



# VALVE DATA MANUAL



**AVO LTD**  
AVOCET HOUSE  
92-96 VAUXHALL BRIDGE ROAD  
LONDON, S.W.1      ENGLAND

PLEASE RETURN THIS POSTCARD AS SOON AS YOU  
RECEIVE THIS PUBLICATION

**IMPORTANT**

New Data is continually becoming available. In order that your information may be kept fully up-to-date, please complete and return this post card. You will then be advised when a new edition of this Manual is published.

**AVO LTD., Avocet House,  
92-96, Vauxhall Bridge Road, London, S.W.1  
VICtoria 3404 (12 lines)**

Please inform me/us immediately a further edition of this Manual becomes available.

Name .....  
(Please be brief)

Address .....

.....  
.....

Please state the serial number of your instrument which appears on either the scale plate or an identification label.

“AVO” Valve Tester Serial No. ....

“AVO” Valve Characteristic Meter Serial No. ....

“AVO” Valve Tester Type 160 Serial No. ....

5/65

“AVO” Value Data Manual

Keeping a manual of this type fully corrected and up-to-date is, as you will appreciate, a complex and exacting task.

If you have any suggestions to make regarding this publication or wish to contribute data or observations which may be to our mutual benefit, we will be very pleased to receive your remarks set out on the postcard below.

NAME AND  
ADDRESS  
OF SENDER

5/65

THE  
**AVO**  
VALVE DATA  
**MANUAL**

SEVENTEENTH EDITION, 1965

FOR USE WITH VALVE CHARACTERISTIC METER MK 1-4  
VALVE TESTER TYPE 160 AND AVO VALVE TESTER

---

Edited by: C. E. BULL



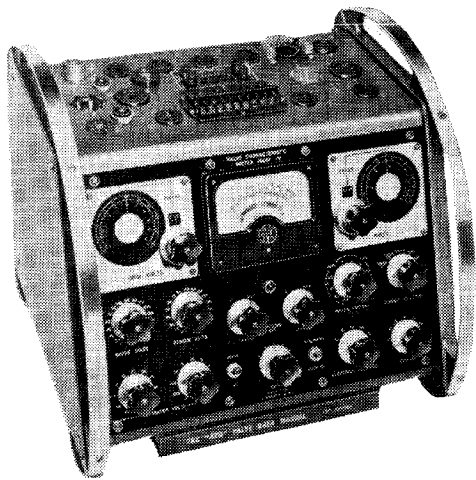
*Published by*

**AVO LTD**

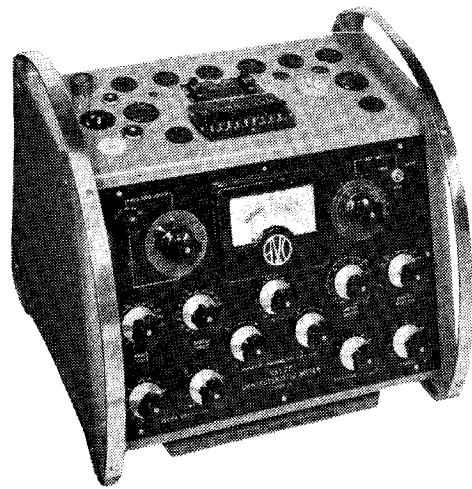
"AVOCET HOUSE," 92-96 VAUXHALL BRIDGE ROAD, LONDON, S.W.1

Telephone : VICToria 3404 (12 lines)





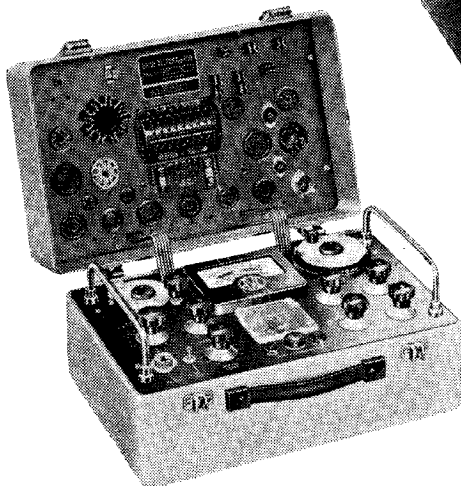
Valve Characteristic  
Meter. Mk. IV



Valve Characteristic  
Meter. Mk. III



Valve Characteristic  
Meter. Mk. I & II



Valve Tester. Type 160



Avo Valve Tester



## FOREWORD

This data manual is primarily intended for use with the "AVO" Valve Characteristic Meter, the "AVO" Valve Tester Type 160, and "AVO" Valve Tester, but once the Selector Switch code is understood, the manual also forms a quick and convenient guide for general use.

The Instruction Book which accompanies the instrument should be thoroughly studied before the data contained in this manual is used.

It is our intention to issue revised copies of this manual from time to time and dates of publication will be given in our advertisements in the Trade Press.

The return of the enclosed postcard will enable us to inform you when new issues become available.

**WATCH OUR ADVERTISEMENTS FOR FURTHER ANNOUNCEMENTS.**

**IMPORTANT**—In the interests of accuracy, it is not recommended that these instruments should be used with a constant voltage transformer, unless it is known that the 3rd and 5th harmonic content is of a negligible proportion.

# Contents

Foreword .. .. .	3
Diagram of Standard Pin Connections .. .. .	7
Diagram of Special Valve Holders fitted to Valve Tester Type 160 only .. .. .	8
Commercial Valve Index and Cross Reference to Service Types .. .. .	1-36
Service Valve Index and Cross Reference to Commercial Types .. .. .	37-55
British Post Office V.T. Series Index and Cross Reference to British Service Types .. .. .	56-57
B.V.A. Utility Equivalents .. .. .	57
Test Data for Receiving and Small Transmitting Valves .. .. .	1-162
Data for Tuning Indicators (Magic Eyes) .. .. .	Appendix I
Test Data for High Voltage Rectifiers .. .. .	Appendix II
Test Data for Service Type Valves .. .. .	Appendix III
Test Data for Russian Valves .. .. .	Appendix IV

## Accessories.

If the valve base required does not appear on the Valve Holder Panel it is necessary to use an adaptor which plugs into an existing valve holder. These are supplied as follows:

No. 1. B7G and B8A.	No. 8. Continental 8 pin (F8).
No. 2. B9G.	No. 9. B7A.
No. 3. B8B.	No. 9/1 B7A for use with
No. 4. B3G. Hivac D.A.4 and 5 pin.	Valve Tester Type 160.
No. 5. Blank.	No. 10 5AA & 7AA (Acorn Valves).
No. 6. Sm7 (6A7 Base).	No. 11 B5A.
No. 7. B9A.	No. 12 B9D.
	No. 13 B10B

Whilst every care has been taken in the preparation of this manual to ensure that the data given is correct, the Company cannot accept any responsibility for damage caused to a valve under test, or the instrument, due to the inclusion of incorrect information.



## NOTES

**TESTING WIRE ENDED (FLYING LEAD) VALVES.** Wire-ended (flying lead) valves may be tested by inserting individual wires into appropriate electrode connections of a suitable valve holder in correct sequence.

**BACK EMISSION.** Alternative test figures are given for use when valve shows signs of back emission from anode to G3. This phenomenon can be recognised by the anode current apparently decreasing as the valve heats up. Data to which this note refers is indicated thus 'ξ'

**GRID BIAS.** When using AVO Characteristic Meter Marks I and II, to check valves requiring a bias of less than 1 volt, erroneous readings may be obtained due to the valve drawing grid current, which has the effect of reducing the grid bias voltage thus producing low mutual conductance readings. Users of these instruments are, therefore, advised to use the alternative data which has been supplied, which is indicated thus φ.

**INTERNAL CONNECTION (\*)** When the symbol \* appears among the Selector Switch set up figures, it indicates that an unknown electrode may be connected to this pin internally. To obtain the complete Selector Switch coding, test with an ohmmeter between pin marked \* and all others. (The ohmmeter should be on a sufficiently low range to discriminate between a dead short and filament resistance). Dependant upon the electrode to which this pin is internally connected the correct code can be set up and normal test procedure followed.

Where the pin marked *	is O.C. to all others	Set Roller to	0
” ” ”	” ” ”	connected to Cathode	1
” ” ”	” ” ”	” ” Heater—	2
” ” ”	” ” ”	” ” Heater+	3
” ” ”	” ” ”	” ” Grid	4
” ” ”	” ” ”	” ” Screen	5
” ” ”	” ” ”	” ” Anode 1	6
” ” ”	” ” ”	” ” Anode 2	7
” ” ”	” ” ”	” ” Diode Anode 1	8
” ” ”	” ” ”	” ” Diode Anode 2	9

**INSULATION TESTING.** The manufacturers of certain specialised types of valve e.g. VHF types, thyratrons etc., limit the maximum applied inter-electrode voltage to very low values, these restrictions apply with the valve either hot or cold.

In the Avo Valve Characteristic Meter, the peak value of the applied insulation potential is 150V, whilst this is perfectly satisfactory for the vast majority of valves listed, users are advised to check with the manufacturers' data sheets when special types are to be tested.

The majority of valves listed in the Avo Valve Data Manual are not subject to this limitation, but where valve data is not given, care should be exercised. Where valves are subject to this limitation they are indicated thus □.

**LOW ANODE IMPEDANCE TRIODES.** It has come to our notice that a number of valves included in the Valve Data Manual which, when tested, produce low anode currents, a typical example being the 6080 valve.

These valves have a moderately high mutual conductance coupled with a very low Ra. In the case of the 6080 this is in the order of 250 ohms. Ideally, when testing this type of valve, the source impedance should be negligible. Unfortunately, with the Valve Characteristic Meter, the source impedance is in the order of 200 ohms, most of which is due to the anode current measuring circuit. Under normal conditions this impedance is negligible when compared with the anode impedance of the valve under test ; when these low impedance types are being tested, the valve is effectively being tested under dynamic conditions. Whilst we appreciate the difficulties with this drawback, we feel it is still acceptable, bearing in mind that the instrument will adequately test some 5000 ordinary valve types.

One suggestion for easing this difficulty is that a valve is selected which, when tested under dc conditions, meets the manufacturers' specifications. This valve should then be used under the same conditions in the Valve Characteristic Meter and the variation in anode currents and mutual conductance should then be noted, and used as a guide when testing valves of the same type.

Since only manufacturers' data is included in this publication anode current and mutual conductance figures have been omitted and the valve has been indicated thus  $\Delta$ .

#### **ABBREVIATIONS**

**D, DD, DDD.**-Diodes and multiple diodes.

**DT, DDT, DP, DDP.**-Valve with another electrode assembly in addition to the diode.

**H.**- Heptode or Hexode.

**N.**- Nonode.

**O.**- Octode.

**P.**- Pentode or Tetrode, **PP.**-Double Pentode or Double Tetrode.

**T.**- Triode, **TT.**-Double Triode, **TH.**-Triode Heptode, or Triode Hexode.

**TP.**- Triode Pentode.

**R.**- Rectifier, **RR.**- Full-wave Rectifier.

**TI.**- Tuning Indicator (magic eye).

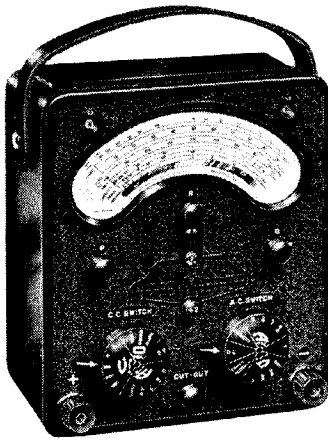
**CCR.**- Cold Cathode Rectifier.

‡ Appearing among ROLLER SELECTOR switch numbers, refers to third diodes in triple diodes. Refer to Working Instructions, Chapter 3, Section headed "Instruction for Testing Specific Valve Types" for full test procedure.

( ) Where brackets appear around stated heater voltage thus (5) it indicates that heater voltage given in Data columns has been uprated to allow for voltage drop at valve base, due to higher current taken by the particular valve.



# Electrical & Electronic Measuring INSTRUMENTS



## Model 7 Universal AVOMETER Mk. 2

A multi-range a.c./d.c. instrument providing 50 ranges of readings on a 5-in. hand calibrated scale. Range selection is by means of two rotary switches, for a.c. and d.c. respectively. A press button provides an additional range for each value of current and voltage shown on the switch knobs. Current consumption at full scale deflection is 1mA or 2mA according to whether press button is used or not. Total resistance is 500,000 ohms. By means of an external accessory (the Universal Avometer Power Factor and Wattage Unit) power factor and power can be measured in a.c. circuits. An automatic cut-out provides protection against damage through overload.

**Current:** a.c. and d.c. 0 to 10A.  
**Voltage:** a.c. and d.c. 0 to 1,000V.  
**Resistance:** Up to 40 megohms.  
**Capacity:** 0.01 to 20 $\mu$ F.  
**Audio-Frequency Power Output:** 0-20W.  
**Decibels:** -25db to  $\pm$  16db.  
Size: 8  $\times$  7 $\frac{1}{2}$   $\times$  4 $\frac{1}{2}$  in. Weight: 6 $\frac{1}{2}$  lb.

## Model 40 Universal AVOMETER Mk. 2

A similar instrument to the Model 7 Avometer described above, but providing 40 ranges of current voltage and resistance. Total resistance is 200,000 ohms.

**Current:** a.c. and d.c. 0 to 12A.  
**Voltage:** a.c. and d.c. 0 to 1,200V.  
**Resistance:** Up to 1 megohm.  
Size: 8  $\times$  7 $\frac{1}{2}$   $\times$  4 $\frac{1}{2}$  in. Weight: 6 $\frac{1}{2}$  lb.

THE phenomenal progress of recent years in electrical engineering owes much to the contemporary advances in the design of electrical measuring instruments.

The equipment of a laboratory for making electrical measurements and tests can involve an expenditure of hundreds of pounds. Likewise the test gear essential to the work of the radio service engineer can also be a source of considerable expense.

This difficulty is largely surmounted, and other advantages are conferred, by the use of modern multi-range testing instruments, which afford maximum usefulness with a reasonable initial outlay.

AVO Instruments are scientifically designed on sound principles, being the outcome of many years of successful experience by the pioneers and leading manufacturers of multi-range instruments. Before leaving our factory, every Avo Instrument is tested and adjusted to give a high degree of accuracy and constancy of performance.

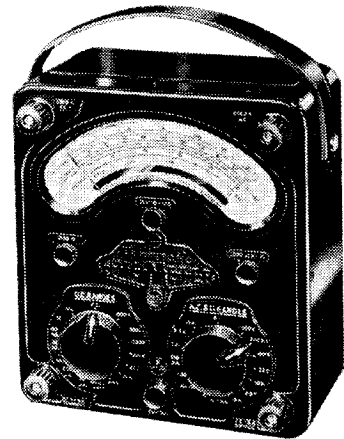
## Model 8 Universal AVOMETER Mk. 3

This multi-range instrument has been designed primarily for the electronic, radio and television engineer. In addition to the many features that made previous models famous, the Mk. 3 model includes increased sensitivity in the lower a.c. voltage ranges, a fused ohm circuit which gives increased protection against inadvertent overload, and improved temperature compensation allowing the use of high current d.c. shunts.

This model incorporates all the facilities of previous Model 8 Avometers, providing means for the measurement of a.c./d.c. voltage up to 2,500V, a.c./d.c. current up to 10A (minimum a.c./d.c. current measurement 100mA and 50 $\mu$ A respectively) and self-contained resistance measurements up to 20 megohms.

It has a sensitivity of 20,000  $\Omega$ /V on all d.c. ranges and 1,000  $\Omega$ /V on a.c. ranges from 10 volts upwards.

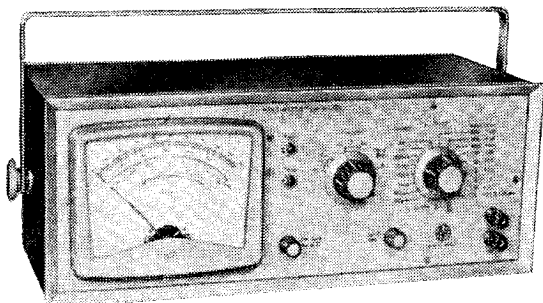
**Voltage:** a.c. and d.c. 0 to 2,500V.  
**Current:** a.c. and d.c. 0 to 10A.  
**Resistance:** 0-20 megohms with internal batteries.  
0-200 megohms with external d.c. supply.  
**Decibels:** -15db to  $\pm$  15db.  
Size: 8 $\frac{1}{2}$   $\times$  7 $\frac{1}{2}$   $\times$  4 $\frac{1}{2}$  in. Weight: 6 $\frac{1}{2}$  lb.



*All Avometers conform where applicable, with the limits of accuracy laid down in Section 6 of the British Standard Specification 89/1954, for Industrial Portable Instruments.*



# MEASURING INSTRUMENTS



## AVO MULTIMETER HI 108

A self-contained, battery operated, multi-range instrument for measuring a.c./d.c. voltage, a.c./d.c. current, resistance and decibels, with provision for measuring r.f. voltage using an external probe.

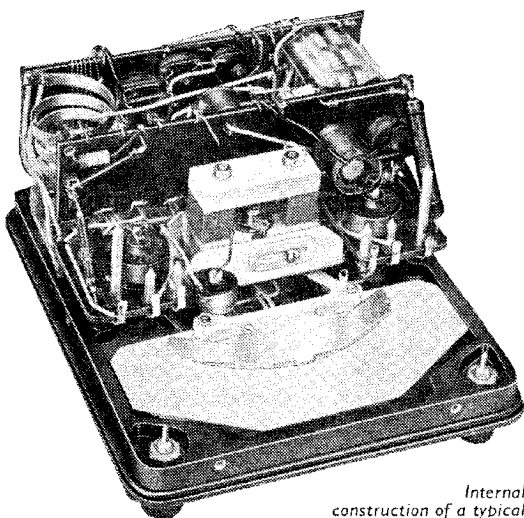
Two transistorised amplifiers, one a.c., one d.c., form the basis of the multimeter. The d.c. amplifier used for d.c. measurements, is a differential long tailed pair, stabilised by heavy negative feedback against supply voltage and temperature variations.

A dual input transistor reduces zero drift with temperature to a negligible value of the order of  $24\mu\text{V}/^\circ\text{C}$ , thus minimising operation of the set d.c. zero control.

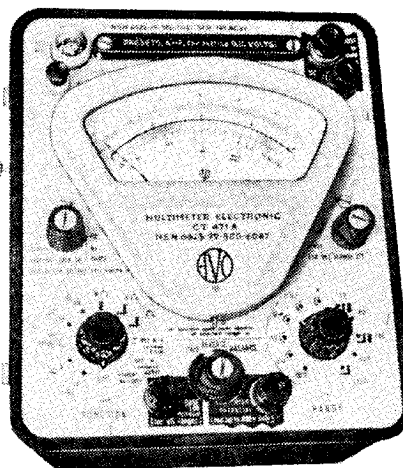
A separate a.c. amplifier, used for a.c. measurements is also stabilised by a high degree of negative feedback which also ensures the linearity of the a.c. scales. Using an r.f. probe and the multiplier unit, r.f. voltage may be measured between 300mV and 10V at frequencies up to 250Mc/s.

Voltage a.c. and d.c. 100mV to 1000V f.s.d.  
 Current a.c. and d.c. 30 $\mu\text{A}$  to 3A f.s.d.  
 Voltage r.f. 300mV to 10V f.s.d.  
 Resistance 0 to 20M $\Omega$   
 Accuracy d.c.  $\pm 3\%$  of f.s.d., a.c.  $\pm 4\%$  of f.s.d.

Size:  $16 \times 7\frac{1}{4} \times 6\frac{1}{4}$  ins. Weight: 10 $\frac{1}{2}$  lb.



Internal construction of a typical Panclimatic Avometer



## ELECTRONIC MULTIMETER CT 471A

A portable battery operated multi-range meter using semi-conductors throughout, of high stability and with an accuracy of  $\pm 2\%$  on d.c. voltage and  $\pm 3\%$  on a.c. voltage.

Three basic scales cover all measurements. The two main scales, used for all voltage and current measurements, are linear and the third scale, used for resistance measurements, indicates increasing resistance towards full scale deflection.

Zero adjustment is effected on any d.c. range without disconnecting the meter from the circuit under test. Provision is made for centre zero operation on d.c. voltage. A reversing facility enables both positive and negative d.c. voltages and current to be measured without reversing the connections. Supplied with high impedance r.f. probe, capacitive divider (division ratio 100-1) and 50 $\Omega$  and 75 $\Omega$  terminating pads.

Voltage a.c. and d.c. 12mV to 1200V f.s.d.  
 Current a.c. and d.c. 12 $\mu\text{A}$  to 1.2A f.s.d.  
 Voltage r.f. 40mV to 4V f.s.d.  
 (up to 1000Mc/s)  
 Resistance 0.1 $\Omega$  to 120M $\Omega$   
 Input resistance 120M $\Omega$  on all ranges above 1.2V

## PANCLIMATIC AVOMETERS

The standard Avometers can be relied upon to give excellent service in any climate. However, where extremes of climatic conditions are experienced, special protection is desirable for certain components.

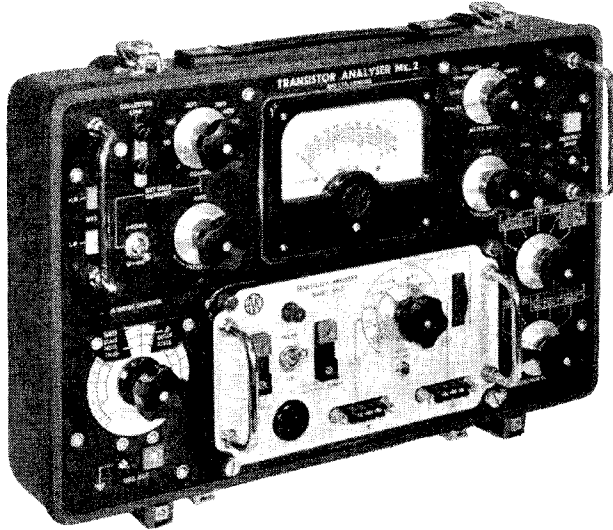
In affording this protection, advantage has been taken of the latest developments in panclimatic techniques—for example, the use of new moulding powders in the manufacture of the cases and the 'potting' of certain components to render them completely impervious to extremes of humidity and resistant to fungus growth.

These special instruments are now available at a small additional charge and are known as:

- The Model 7X Avometer
- The Model 8X Avometer
- The Model 8(S)X Avometer
- The Model 9(S)X Avometer



# MEASURING INSTRUMENTS



## AVO TRANSISTOR ANALYSER Mk.2

A portable, mains operated self-contained instrument for checking signal or medium power transistors. A circuit has been developed which enables noise to be expressed in terms of an equivalent 1,000c/s input, thus giving a quantitative expression of noise.

**I'co:** 2  $\mu$ A first indication.

**Beta:** 0-25 and 0-250, measured at 1,000c/s.

**Noise:** Peak a.f. noise can be measured, in the range 1-40db with a bandwidth of 10kc/s.

**Collector Voltage:** 0-12V, or external.

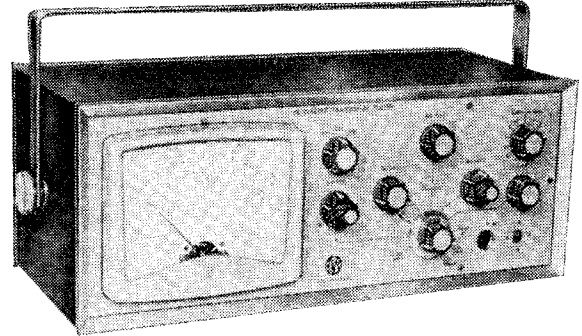
**Base Current:** 0-1mA, or 1-40mA.

**Collector Current:** 0-1A.

**Turnover Voltage:** Means are provided for checking turnover voltage utilising the internal movement, the high collector voltage being applied from an external source.

Size: 15  $\frac{1}{4}$   $\times$  9  $\frac{1}{2}$   $\times$  5 in. Weight: 12 lb.

A battery operated version is also available.



## IN-CIRCUIT TRANSISTOR TESTER TT 162

A portable, battery operated Transistor Tester for the 'In-Circuit' testing of signal or medium power p.n.p. or n.p.n. transistors. Carefully designed circuits balance out the shunting effect of components external to the transistor under test. A d.c. bridge circuit balances out the in-circuit components connected to the transistor collector and enables the collector current and voltage to be set to the required value. An a.c. bridge circuit balances out the in-circuit components connected to the base of the transistor under test and enables beta to be measured at the a.c. bridge frequency of approximately 1,000c/s.

A battery check facility ensures that the supply voltages do not fall below the limit required for satisfactory operation. Overload protection is provided internally.

Collector Voltage	Variable 0-10V
Collector Current	0-30mA
Current Gain ( $\beta$ )	0-300
Leakage Current (I'co)	First indication 2 $\mu$ A.

Size: 16  $\times$  7  $\frac{1}{4}$   $\times$  6  $\frac{1}{4}$  in. Weight: 10  $\frac{1}{2}$  lb.

## THE PRECISION AVOMETER

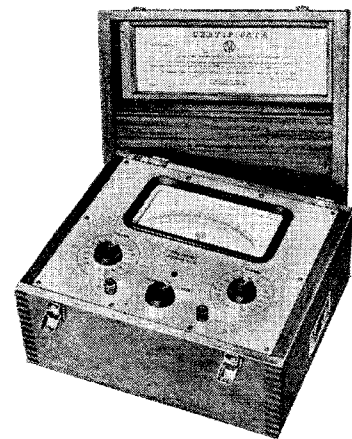
This precision instrument has been designed and developed in the Avo laboratory in response to requests from industrial and laboratory engineers for an accurate and stable local reference or transfer standard for a.c./d.c. voltage and current measurements.

The instrument, which is self-contained and portable, is housed in an attractive polished wooden case. A separate compartment in the removable cover provides storage space for leads, etc., and affixed to the inside of the cover is the test certificate which is supplied for each instrument.

**Current:** a.c. and d.c. 1.5mA to 15A f.s.d.      **Voltage:** a.c. and d.c. 1.5 to 1500V f.s.d.

**Sensitivity:** 100  $\Omega$ /V d.c. and a.c. except the 3V a.c. range which requires 50mA for f.s.d.

Size: 13  $\frac{3}{4}$   $\times$  11  $\frac{1}{2}$   $\times$  6  $\frac{3}{4}$  in. Weight: 21 lb. 12 oz.





# MEASURING INSTRUMENTS

## MULTIMINOR MODEL 4

A compact panclimatic moving coil/rectifier instrument for the measurement of a.c. and d.c. voltage, d.c. current and resistance.

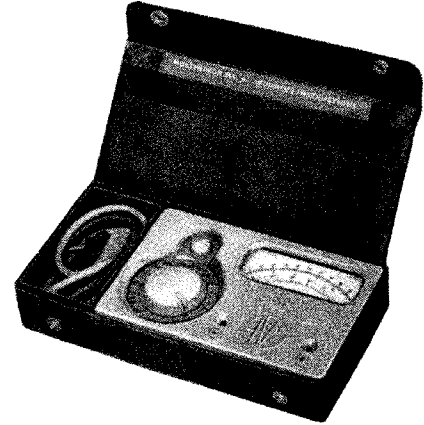
**Ranges:** a.c. and d.c. Voltage 0-1000V.  
d.c. Current 0-1A.  
Resistance: 0-20,000  $\Omega$ , 0-2 Megohms (using  $1\frac{1}{2}$ V cell).

**Accuracy:** d.c.  $\pm 2.25\%$  a.c.  $\pm 2.75\%$   
**Sensitivity:** 10,000  $\Omega$ /V.d.c. 1,000  $\Omega$ /V.a.c.

**Weight:** 16 oz.

**Size:**  $5\frac{5}{8} \times 3\frac{7}{8} \times 1\frac{3}{8}$  in.

Supplied complete with leads, interchangeable crocodile clips and prods together with an instruction booklet, all contained in an attractive P.V.C. case.



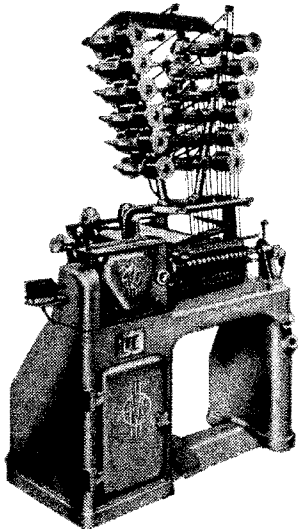
*The following ACCESSORIES are available  
for Avo Testing Instruments*

AvoMeter Voltage Multipliers.	AvoMeter Shunts for d.c. Current.
AvoMeter Transformers for a.c. Current Measurements.	Multiminor Voltage Multipliers.
AvoMeter Resistance Range Extension Units.	Multiminor Shunts.
	Long Reach Safety Clips.

E.H.T. d.c. Voltage multipliers can be supplied for the AVO Electronic Testmeter, the Model 8, 8X, 8(S)X, 9SX, and 9Mk2 AvoMeter.

*Leather Cases are available for most Instruments.*

● A Comprehensive Guide to the complete range of 'Avo' Instruments is available upon request



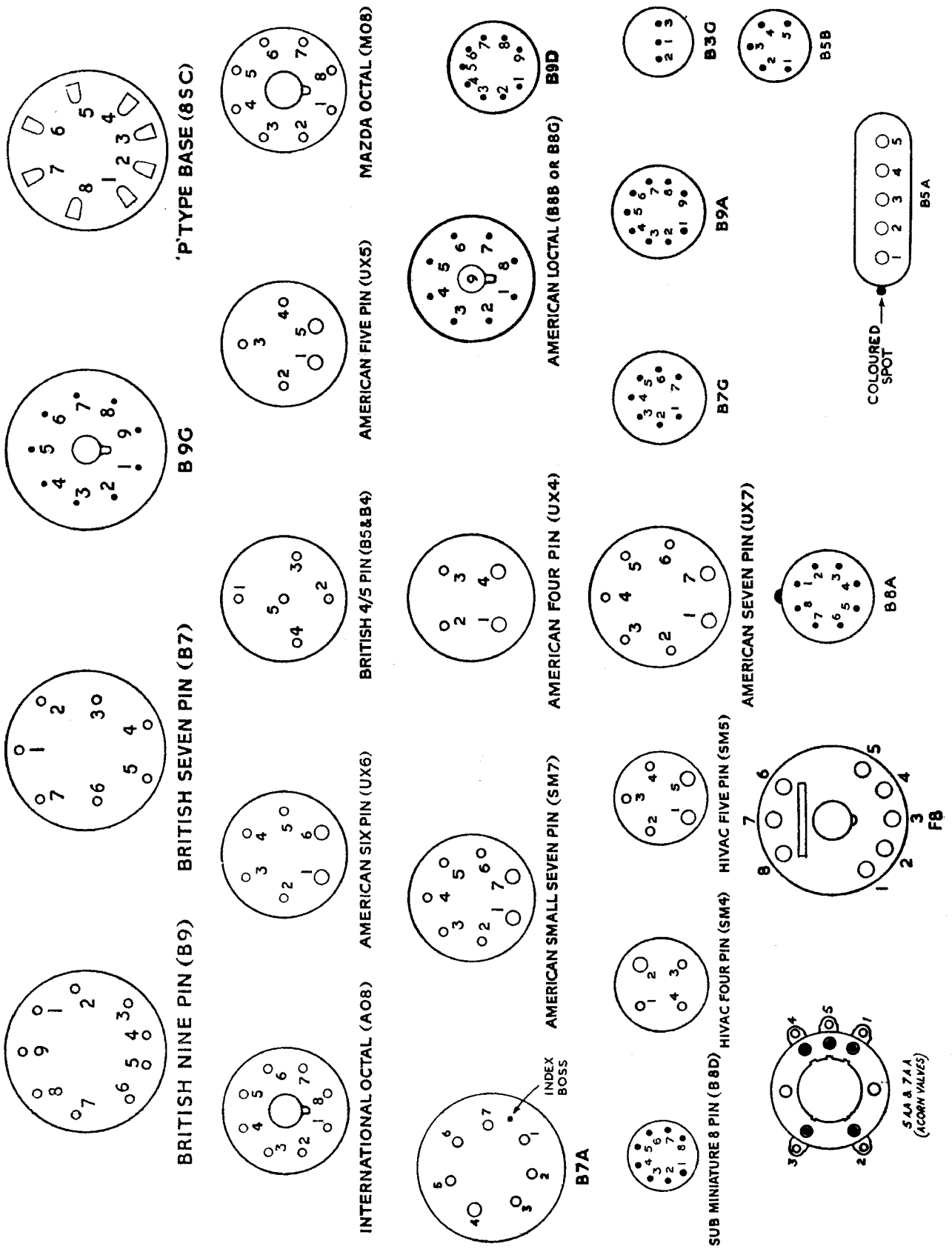
### DOUGLAS and MACADIE COIL WINDERS

The Machine illustrated is the 'Douglas' Fully Automatic Multi-Winder, for the high-speed production of large quantities of coils with or without paper interleaving. It will produce round, square or rectangular coils up to 6 in. each in length, and up to  $4\frac{1}{2}$  in. diameter. As many as 12 smaller coils can be wound simultaneously within the total available winding length of 15 in., at headstock speeds of between 600 and 2,000 r.p.m.

Our complete catalogue illustrates twenty-seven different machines, ranging from a simple Hand-Winder to the large Multi-Winder capable of producing 12 coils simultaneously.

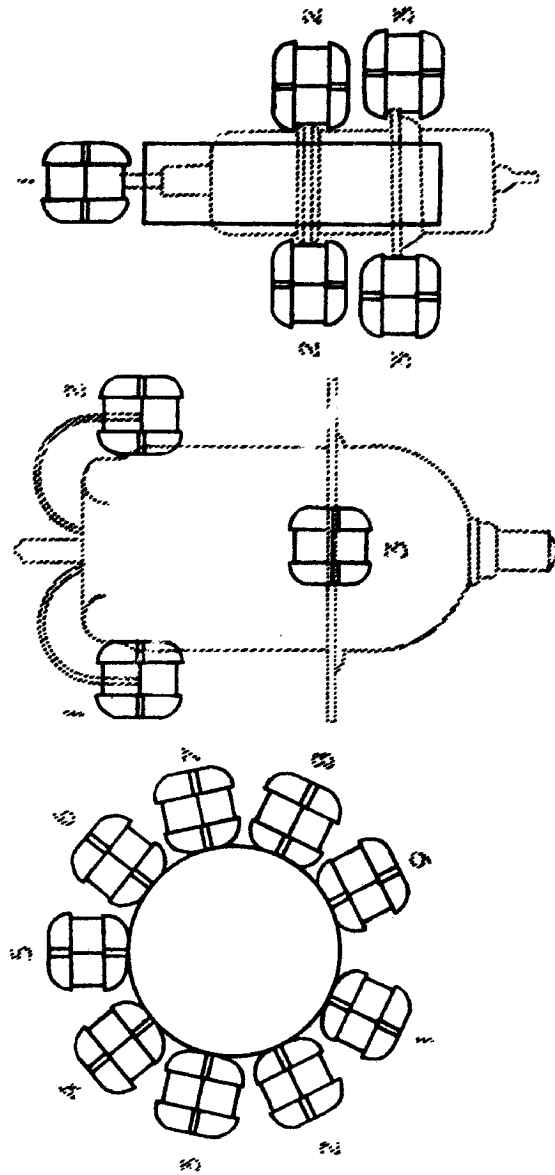
**AVO LTD. LONDON, S.W.1, ENGLAND**

**DIAGRAM OF STANDARD PIN CONNECTIONS**  
*(viewed from underside of base)*



**DIAGRAM OF SPECIAL VALVE HOLDERS FITTED TO  
THE AVO VALVE TESTER TYPE 160**

*(bases are viewed from top of valve panel)*





## Commercial Valve Index and Cross Reference to British Service Types

**NOTE.**—Many of the commercial equivalents listed in the following pages will have different CV. numbers, this is due to special service requirements which do not affect the radio engineer, e.g. interelectrode capacitance, bulb size, life test etc. It should also be noted that test data given in this manual may differ between equivalent valves, due to different sets

TYPE	CV No.	EQUIVALENTS	TYPE	CV No.	EQUIVALENTS
O1A	750		1B35A	3628	6038
O2DF	2260	DF64	1B38	3549	
O9	2725	3209	1B40	2914	
O9D	1596	3209	1B41	3550	
O9J	1518	3209	1B49	508	
O517		PL5557	1B58	3745	
OA2	1832	STV150/30 150CL	1B63A	2826	
OA2WA	4020	M8223	1C1	782	X17 1R5 DK91
OA3	3798	VR75/30 QS75/40	1C2		DK92 X18 1AC6 X20
OA70	8243	1N87	1C3		DK96
OA73	442	1N616	1C3		X25 1AB6 DK96
OA79		1N541	1C5G	1803	DL35 N14
OA85	1354		1C5GT	1805	40SUA
OA86		1N480	1C21	762	G1502D
OA87		1N490	1CP1	2302	DH3-91
OA91	7130	1N617	1D5	764	U4024 405UA RZUR1C
OA95	7041	1N618	1D5GP	705	1D5GT
OA202	7040		1D5GT	1806	
OB2	1833	STV108/30 108C1	1D7	765	
OB2WA	4028	M/8224	1D8GT	1811	
OB3	3799		1E3		DC80
OC3	686	VR105/30	1E5	766	KF35
OC16	7010	2N115	1E5GP	766	1E5GT
2-OC16		2N116	1D13	75	DA90 CL753 1A3
OC44	7003	GET874 TK31C	1E7	1812	
OC70		2N279	1F1		DF96 1AJ4 1AF4 W25
OC71	7005	2N280	1F2	1758	DF92 1L4
OC72	7006	2N281	1F3	785	DF91 1T4 W/17
2-OC72		2N282	1F4	767	
OC73	5337	2N283	1F5	768	KL35
OC76		2N284	1F6	769	
OC77	7007	2N284A	1F7GV	770	
OCF71	7129	2N577	1FD1		DAF96 ZD25 1AH5 1AJ5
OD3	216	QS150/40 VR150/30 150C3	1FD9	784	DAF91 1S5 ZD17
OE3	431	85A1	1G3	1817	1H4G
OG3	449	STV85/10 85A2	1G5	771	
OZ4	692		1G6G	772	
OZ4A	517	1003	1G6GT	773	
1A3	753	DA90 1D13	1G8	7026	ZR11
1A4P	754		1G35		4C35 X8H-100 CV1787
1A5G	755	DL31	1G50	2050	EN32
1A5GT	756		1H4G	774	
1A6	757		1H5G	1818	DAC32 HD14
1A7G	1800	X14	1H5GT	1820	DAC32
1A7GT	1802	DK32 X14	1L4	1758	DF92 1F2
1AB6		DK96 1C3 X25	1LA6	775	
1AC6		DK92 X18 1C2 X20	1LB4	776	
1AD4	2237	DF62 DF652	1LC5	777	
1AF4		DF96 1F1 W25 1AJ4	1LC6	778	
1AH5		DAF96 1FD1 ZD25 1AJ5	1LD5	779	
1AJ4		DF96 W25 1F1 1AF4	1LH4	780	
1AJ5		ZD25 1AH5 DAF96	1LN5	781	
1AM4		1T4SF	1LN5E	781	
1AN5		DF97	1M1	2980	DM70
1AQS		1R5SF	1M3	2980	1M3 DM70 Y25 1M3
1B3/8106	514	U41	1N3		DM71
1B3GT	1830	U41 DY30	1N5G	1821	Z14 DF33
1B4P	758		1N5GT	1823	DF33
1B5/25	759		1N21	727	1N21B CS2A CS37A
1B7GT	760		1N21B	367	CS2A CS37A
1B21A	3586	471A	1N21C	3525	
1B22	761	WE1378X	1N23	5012	1N23E 1N23C
1B23	539	729A	1N23A	749	
1B24	725		1N23B	2856	
1B24A	3548		1N23BM	2857	
1B26	576		1N23CR	5013	
1B27	713	TRC1	1N25	2916	
1B32/532A	2648	532A	1N26	1785	
1B35	369		1N28	2918	CS37A 1N21B

TYPE	CV No.	EQUIVALENTS	TYPE	CV No.	EQUIVALENTS
1N31	3509		2B22	2931	
1N32	5016		2B29	2666	829B QQV07-40
1N34	2829		2B32	788	832A QQV04-15
1N38	3551		2B36	1078	T4D
1N43	2919		2B52	2789	QQV03-20A
1N47	3729		2B94	2797	QQV06-40A
1N53	5015		2BP1	3678	
1N54	1354	OA85	2C21	875	RK33 1642 RK22
1N54A	2961		2C22	792	
1N58	1354		2C26	802	2C26A
1N60		OA159	2C26A	1759	2C26
1N64		OA160	2C33	793	RX233 RX233A
1N69	2923		2C34	18	4074A
1N72	2974		2C39A	2516	TD1-100A
1N75		OA161	2C40	2643	446A 446B
1N78	5014		2C42	2932	TD3-12
1N81	2928		2C43	688	TD3.5-12
1N87		OA70 1N87/A	2C45	596	38142
1N87/A		OA70	2C46	2933	TD05-12
1N198	5076	6CL6	2C51	2831	
1N476	1353	OA81	2C51W	2866	
1N478	1354	OA85	2C53	3559	
1N480		OA86	2D2	794	
1N490		OA87	2D4A	795	D41 D400 DDL4
1N541		OA79	2D13C	796	10D1
1N542		2-OA79	2D21	797	EN91 20A3 5727
1N616	442	OA73	2D21W	2876	M8204
1N617		OA91	2D21Wa	4018	M8204
1N618	7047	OA95	2DP1	1813	
1P1		DL96 N25 3E5 3C4	2E22	798	2P22
1P5	728	1T6GT	2E26	3990	QV01-10
1P10	484	DL92 N17 3S4	2E30	2517	
1P11	2983	DL94 N19 3V4	2G	1842	
1P21	5138	27M1 931A	2G8	7027	2R12 1S001
1P23	2680	868 918 913	2G/402A	1835	3B28 ESU103 RR3-250
1P28		27M3 MS-9SY	2G/472B	2518	4B32 RR3-1250
1P30	1764	CE2 71A3	2G/473C	2399	GXU3 RR3-1250A
1P31	3812	WE3A 3AE	2H28	1835	3B28 RR3-250
1P32	405	CE25 55CG 2530	2H66	32	866A RG3 250A
1Q5G	1824	DL36	2J21	2778	2J21A
1Q22	3555		2J21A	719	
1R4	2709		2J22	800	
1R5	782	DK91 X17 1C1	2J26	1760	
1S2		DY86	2J31	1807	
1S2A		DY87	2J32	1808	
1S4	783	DL91	2J33	1809	
1S5	784	DAF91 ZD17 1FD9	2J34	1810	
1T2		R16 U37	2J36	514	
1T4	785	DF91 W17 1F3	2J42	3676	JP9-7 MAG3 M503
1T5GT	1829		2J42A	3997	MAG4 JP9-15
1U4	2507	DF904 5910	2J48	1822	
1U5	3912	DAR92	2J49	3687	JP9-50B
1V	1999	6Z3	2J50	2793	JP9-50C
1V2	3994		2J51	3560	JPT9-60
1V3		DCF60	2J51A	5134	JPT9-60
1X2A	5032	DY80 R19	2J54	801	
1Z2	2510		2J56	2852	JP9-50
2-25A		AZ35	2J58	997	3092
2-150D	3878	152RA	2K28	1892	
2A3	1831		2K33	1786	
2A5	1834		2K41	3904	
2A6	1769		2K48	3669	
2A7	787		2N115	7010	OC16
2A/100A		D/1	2N280	7005	OC71
2AP1	790	DG4-1	2N281	7006	OC72
2AP1A	790	1814P1	2N284A	7077	OC77
2B4	648	885	2S/140G	469	EA76 6489
2B7	1837		2S/141G	4504	7435
2B21	597	2X2A	2T/270K	261	HR2 R10 6305

TYPE	CV No.	EQUIVALENTS	TYPE	CV No.	EQUIVALENTS
2V3G	804		3BP1	814	3BP1A
2V/400A	32	886A DQ2 ESU886	3BP1A	2934	XP80
2V/401C	1446	4017B	3BX6		XP85
2V/470C	1355	4049C	3BY6		DL96 1P1 N25
2V/471A	1449	872A	3C4		XXB
2V/500C	5	4049D RG4-1250	3C6		
2V/531E	1420	869B 4078A	3C22	999	PL3C23 TQ1/2
2W/540E	1601	4222B	3C23		2T24
2X2	3748	2B21 143D 2Y2	3C24	789	5664
2X2A	597	1K22 R612G 879	3C31/C1B	1765	HK24 25T
2X2/897	3748	2X2A	3C34	941	XH3-045 1G45P
2X2/8907	3748		3C45	372	DET3
2X/105G	448	0A71 GEX54	3C/250A	1034	212E V1505 MY3-275
2X/106G	425	0A74 GEX44	3C/270A	1252	4270A
2Y2	597	R1626 2B21 2X2	3C/350E	30	4357A 833A TY4-350
3/02AM	2230	965K	3C/351H	27	1299 3D6
3A	3812	1P31 3AE	3D6/1299	815	
3A4	2300	DL92	3D21A	2659	
3A5	808	DCC90	3D22	2851	
3A/105B	809		3D/100A	1422	
3A/107A	249		3D/150G	2735	4015A
3A/107B	1655	AR11 425XP	3DL4		YC88
3A/108A	1653	AR12 4020A	3DP1	816	N25 1P1 DL96
3A/108B	1657	4020B	3E5		QQV5-P10
3A/109A	1671	4021A	3E29	3599	701D
3A/109B	1663	AR20 4021B	3EG1	1526	XP183
3A/110B	1659	4022B	3EH7		XF184
3A/135A	2598	264A 426A	3EJ7		1806P1
3A/141A	1639	4101E 3A/141AY	3EP1	817	YC95
3A/142A	1641	4102D 3A/142AY	3ER5		PC95
3A/144A	1694		3ER6		
3A/145/J	16	525A	3FP7	1761	
3A/146J	53		3G15		C1A
3A/147J	82		3G/501A	2215	TK2/6 XR1-6400 5545
3A/148J	88		3GP1	516	
3A/167M	5112	437A	3GRK	442	GEX35 0A73
3AB4		PC92	3H/151J	2516	2C39A TD1/100A
3AE	3812	1P31 3A	3J31	1788	
3AJ8		XCH81	3J/121E	28	ACT9
3AL5		XAA91	3J/160E	2245	
3ALP1	2175	DG7-5	3J/170E	2905	
3AMP1	2431	DG7-32	3J/195E	5071	
3AP1	602	906P1	3J/260E	2908	
3AT4A		PC93	3JP1	2935	
3AU6		XF94	3JP7	2869	
3B4	2240	DL98	3JP12	2816	
3B7	811		3KP1	3733	
3B21	2959	3B22	3NP4	1737	MW6-2
3B22	3815		3P/270B	2950	129B 3Q/191E
3B24	812	732A 428T CE230	3Q4	818	N18 DL95
3B24W	2858	1K24 428T 732A	3Q5GT	819	DL33 N16 N15
3B24WA	4021	732A 428T 3B24	3Q84E		4220C
3B26	3575		3Q/120E	1605	4013C
3B28	1835	RR3/250 ESU130 2H28 GXU1	3Q/150E	1450	4228A
3B29	3689	1K29	3Q/180E	1603	4014A
3B/100B	1689	PA1	3Q/181E	1600	4006A
3B/102B	84		3Q/191E	570	3Q/195E
3B/151A	1648	4205E	3Q/195E	570	3Q/191E
3B/200B	1047	TZ05-20 T206	3Q/211E	1604	SS1971
3B/240M	2214		3Q/212E	1797	4081A
3B/241M	5116		3Q/213E	1734	
3B/252B	1688	4033L	3Q/220E		4009B
3B/254D		6BD4A	3Q/260E	446	
3B/251A	1648	4043C	3Q/293E	1447	4030D
3B/400A	1452	4300A	3Q/310E	3873	
3B/401J	127		3RP1	3941	
3B/501A	49		3S4	820	N17 DL92 1P10
3B/504B	1288	4304CB	3V4	2983	1PL DL94 N19
3B/850A	25	4242A ES85	3V/280B		VLS342A
3B/851A	1620	DET6 4094A	3V/281B		4039A
3BLP7		DP7-10	3V/290A		57
3BLP31		DH7-10			

TYPE	CV No.	EQUIVALENTS	TYPE	CV No.	EQUIVALENTS
3V/390A	5027	PL5559 XG1-2500	4J28	3781	
3V/530E	447	4QV36A	4J29	3782	
3V/390B	5828	FG57	4J30	3783	
3V/390E	5207		4J31	1914	M518A
3V/420B	2126		4J33	1916	
3V/500A		EST102	4J34	1897	M518A
3V/530E	477		4J35	1898	M518A
3V/531E	477		4J50	2284	JP9-520
3W4		3S4SF	4J52	3569	JP9-80
3WP1	3946	DG7-36	4J52A	5018	JP9-80A
4-65A	1905	QY3-65 3F65	4J53	513	M518
4/100BU	1264	FW4-500 U18	4J54	3947	
4-125A	2963	4F21 QY3-125 4D21 Q160-1	4J55	3948	
4-240A	2131		4J56	3949	
4-250A	2964	QY4-2505D22 Q400/1 5F22	4J57	3950	
4-400A	3879	QY4-400 5F23	4J58	3951	
4-1000	3880	7F25	4J78	3953	JP9-250A
4A1	821		4PR60A	252	QV20-P18
4A/137B	243	4045A	4SH	1126	
4B13	26	813 QY2-100	4SHA	825	
4B22	2936		4T16		100TL
4B24	822	EL3L	4T17	1924	100TH
4B25		WL670A	4T100		813
4B26	1836	1163	4THA	826	A36C TH4 AC/TH1
4B28	2777		4TPB (CLEAR)	828	
4B30	934	15R 8022	4TPB (MET)	829	
4B31	3510		4TSP	830	TSP4 AC/SP3
4B32	2518	RR3-1250 DQ4 GXU2	4X150A	2519	QV1-150A 4F15R
4B35	926	12X825 WE327A	4X150D	3991	QV10150D 4F20R
4B36	2779	20X672	4X150G	3893	QV1-150G
4BL8		XCF80	4X250B	2487	4H/160M
4C21	2576	211 211W	4X500A		QBL4/800 QY4/500A
4C22	2987	HF100	4XP	1168	ACO44 PP3/250 PX4
4C27	92	E1232	5/62CM		5BHP1
4C30	933	15E 8023	5/62PM		5BHP11
4C35	1787	XH8-100	5A6	2360	
4C/100A	2756	4260A	5A/102A	3784	
4C/800E		4278A	5A/102D	1724	329A
4CF8		PCF86	5A/105A	1726	
4CM4		PC86	5A/128B	244	4046A
4CSUA	1267	1D5 U4020	5A/136A	2619	4328A
4D1	1109	HL1320	5A/136D	245	4328D
4D21	2963	Q160/1 4-125A	5A/150A		QV05-25 807 4310A
4D32	3543		5A/156M	1136	EF54
4DL4		PC88	5A/157D	358	EF37A OM5B
4E27	824	HK257B	5A/159N	2000	EF91 HP6 6AM6 Z77
4EH7		YF183	5A/160H		6F11 6AM6 6064
4EJ7		YF184	5A/160K		6F11 6AM6 6064
4EP1		DH10-94	5A/163K	1635	
4ES8		XCC189	5A/164K	3536	LS408A
4FR15R	2519	4X150A QV1-150A	5A/170K	3998	E180F 6688 EF861
4FC7		XCC89	5A/172G	4501	7432
4FP7		5087	5A/173G	4502	7433
4FY5		PC97	5A/174G	4503	7434
4G8	7028	2R14 1S003	5A/175G	4506	
4G23		3C23	5ADP1	5035	DG13-34
4G63		5563	5ADP7	5125	DP13-34
4G93		393A	5ADP11		DB13-34
4G/280K	797	2D21 20A3 EN91	5AL5	1377	GZ34
4G/401A		3D22	5AP1	832	1805P1
4H22		4B32 3B22	5AQ4	1864	GZ32 5V4G 5T4
4H72		872A	5AR4	1377	U52 GZ34
4H73		673	5AZ4	1268	U50 R52
4H88		8008	5B1	1018	Z21
4H/135M	2519	4X150A QV1-150A	5B21		1164
4H/136M	3991	4X150D QV1-150D	5B/100A	1369	4061A
4H/182E	1883		5B/151A	1080	4307A 307A
4J/26	3779		5B/152D	2659	3D21A
4J27	3780		5B/250A	124	QV05-25

TYPE	CV No.	EQUIVALENTS	TYPE	CV No.	EQUIVALENTS
5B/251M	428	5B/254M	5Y4GT	1857	
5B/252M	391	LS650	5Z3	1861	U50 A274A
5B/253M	499		5Z4	1864	GZ30 R52U50 GZ30
5B/254M	428	5B/251M	5Z4G	1863	GZ30
5B/255M	391	LS650	5Z4GT	2748	GZ30
5B/256M	499		6/02K		1652M
5B/257M	2220		6/30L2	5264	B729 ECC84 6GA8
5B/258M	2347		6A3	730	
5B/300B	834		6A6	1867	HLA2 41MEL 354V ACHL
5B/502A	1096	828	6A7	1870	
5B/600A	1081	4052A	6A8	579	X63
5B/700A	631	828	6A8G	578	X63
5BKP1	5168	DH13-97	6A8GT	580	
5BP1	601	5HP1	6AB4		EC93
5BP4/1802P4	836		6AB5	843	6N5
5C22	2520	XH16-200 HT415	6AB7	1873	
5C/100A	26	813 QY2-100	6AB8		ECL80 LN152
5C/450A	1506	ESP450	6AC5G	844	
5C/500		P300-1	6AC5GT	845	
5CP1	600	DG13-2	6AC7	660	1852
5CP1A	2191	DG13-2	6AD7	1878	
5CP7	838	5CP7A	6AD8		EBF81
5D21	2814	P552/1E Q160-1 4-250A	6AE8	5115	X79
5D22	2964	Q400-1	6AF4	5036	EC93
5D/100A	1627		6AF4A	5074	
5ES8		YCC189	6AF6G	847	
5F22A	2131	6156 QY4-250	6AG5	848	EF96 6BC5
5FC7		YCC89	6AG6	1438	EL33 KT61 6M6
5FP4A		MW13-35	6AG7	1882	EL821
5FP7	718	MF13-1	6AH6	2521	
5FP7(Special)	1789	5FP14	6AJ4	5126	EC84
5FP7A	3959	MF13-1	6AJ5	995	
5FP11	5070	MW13-1	6AJ7	849	6AC7
5H4	840		6AJ8	2128	ECH81 6C12
5H69A		869B	6AK5	850	EF95 5654 E94F EF905 5591 6096
5HP1	3583	5BP1	6AK5W	2877	M8100
5HP1A	3583	5BP1	6AK6	1762	EL91
5J23	542		6AK7	1784	6AG7
5J26	3602	JNT1-500W	6AK8		EABC80 6LD12 DH719 6T8 6GX8
5J29	3842		6AL3		EY88
5J30	3843		6AL5	283	EB91 6D2 D77
5J31	5844		6AL5W	2882	M8212 5726
5J32	1538		6AL7	3708	
5J59	3952		6AM4	5073	
5J/180E	445		6AM5	136	EL91 N144 7D9 6P17
5JP1	1791	5JP1A	6AM6	138	EF91 6F12 Z77
5JP2A	3918		6AN4	3989	
5L/444	311		6AN5	2854	
5LP1	741	2511A5	6AN7		ECH80
5MP1	740	2505A5	6AQ4	417	EC91
5R4GY	717	5R4WGA	6AQ5	1862	EL90 N727
5R4WGY	2835		6AQ5W	2883	M8245
5T01A	1868	MF13-1 5FP7A	6AQ6	2937	EB91 6AV6 6066
5T4	1846	U52 GZ34	6AQ8		ECC85 6L12 B719 6463
5T21		250TH	6AR6	3613	EL34
5T33	635	833A TY4-350	6AS6	2522	
5U4G	575	U52 GZ31	6AS6W	2884	M8196 5725
5U4GT	841	U52	6AS7G	2523	A1834 6080
5U8		XCF82	6AT6	452	EBC90 DH77
5UP1		DG13-22	6AU6	2524	EF96
5UP7	2840		6AU6WA	4023	
5V4	729	GZ32 6AQ4	6AU7	5052	ECC82
5W4	1849		6AV3		EY89
5W4G	842		6AV4		EZ91
5W4GT	503		6AV6	2526	EBC91
5X4	1852		6B4		6A3
5X4G	1851		6B4G	851	
5Y3G	1854	U50 R52 5AZ4	6B5	1885	
5Y3GT	1856	U50 R52 5AZ4	6B6	1887	DH63
5Y3WGTA	4027		6B7	1891	
			6B8	1893	EBF32

TYPE	CV No.	EQUIVALENTS	TYPE	CV No.	EQUIVALENTS
6BA6	454	EF93 W727	6CT4		A2599
6BA6W	5037	5749	6CT7	3883	EA42
6AB7	2527		6CU7	3888	ECH42 6C10
6BC4	5038		6CV7	3882	EBC41
6BC5	848	6AG5 EF96	6CW5	5094	EL86
6BD7		EBC80	6CW7	5281	ECC84 6L16 B319
6BD7A		EBC81	6D1	1092	EA450
6BE6	453	EK90 X77 X727 5750	6D2	383	6AL5 EB91 B77
6BE7		EQ80	6D4	1949	EN93
6BG6	1887		6D6	1900	
6BH5		EF81	6D7	1776	
6BH6	3909	E90F 6265 7693	6D8	1902	X73M
6BJ5		N78	6DA5	5055	EM81
6BJ6	3909		6DA6	5156	EP89
6BK8	2901	EF86	6DC8		EBF89 6FD12
6BL6	3614		6DG7		EM85
6BL7	5039		6DJ8	5358	ECC88
6BL8	5215	ECP80	6DL4		EC88
6BM6	3616		6DL5		EL95
6BM6A	3939		6DR8		EBF83
6BM8		ECL82 6PL12	6DS8		ECH83
6BN5	3526	EL85	6DU6		EP89F
6BQ5	2975	EL84 N709 6P15	6DX8		ECL84
6BQ6	5040		6E5	1906	
6BQ7A		ECC180	6E8		X61
6BR5	1352	EM80 65ME	6EH7	5831	EP183
6BR7	2135	8B5	6EJ7	5810	EP184
6BS4		EC93	6ES6		EP97
6BS7	5086	EF86 8D7	6ET6		EP98
6BT4	3891	EZ40 UU9 66KU	6F1	3841	
6BT6	452	EBC90 DH77 6AT6	6F1	2939	
6BW4	5072	EZ81 UU12 U709	6F5	1909	H63
6BW6	2136		6F5G	1908	H63
6BX6	1376	EF80 Z719	6F5GT	1910	
6BW7	1376	EF80 8D6 2152	6F6	1912	
6BY7	1375	EF85 W719 6F26	6F6G	1911	KT63
6C4	133	ECH90 L77	6F6GT	731	KT63
6C4W	2842	EC90	6F7	1915	6F7E 6F7B
6C4WA	4058	M8080	6F8	1819	
6C5	582	L63 6J5	6F8G	1917	
6C5G	581		6F11	1901	
6C5GT	583		6F12	138	6AM6 8D3 EP91 Z77
6C6	585		6F13	1829	1T5GT
6C7	584	PE7B GS46	6F14	1919	
6C8G	1896		6F15		EP41
6C9	3888	ECH42 X150 ECH113	6F16	3886	EP41 W150
6C10	3888	ECH42 X150	6F17	416	
6C12	2128	ECH81	6F18		W739
6C16	5215	ECP80 6BL8	6F19	1375	6BY7 EF85
6C21	855	ZP527 1000SP	6F20		N79 W729
6C31	1581	ECH35 X65 6K8	6F21	131	EP92
6CA4	5072	EZ81 UU12	6F22		EP86
6CA7	1741	EL34	6F32	1116	
6CB6	3995	EP19C 6CP6	6F33	329	
6CD7	394	EM34	6F33Special	2209	6AS6
6CP6	3995	EP190 6CB6	6F50R		4X500A QY4-500A
6CP8	2901	EP86 EP806S Z729 6F22	6FG6		EM84
6CH6	2127	EL821	6G5		6U5 6M1
6CJ5	3886	EP41	6G6G	1926	
6CJ6	2721	EL81	6G8	7029	1S004
6CK5	3889	EL41	6G8G	856	
6CK6	2726	EL83	6G10		FG105 XGQ2-6400
6CL6	5041		6G45	2215	5545 XR1-6400
6CM4		EC86	6H1	132	V885
6CM5	2940	EL36	6H5		6U5
6CN5	862	N66 EL35	6H6	1930	D63 EB34
6CN6	450	EL38	6H6G	1929	D63
6CQ6	2937	9D6 EP92	6H6GT	1931	D63
6CR4		A2521	6J4	1763	M8248
6CS6	453	EH90	6J4WA	5029	M8232

TYPE	CV No.	EQUIVALENTS	TYPE	CV No.	EQUIVALENTS
6J5	1933	L63	6S7G	1974	
6J5G	1932	L63	6SA7	1966	
6J5GT	1934		6SA7GT	1967	
6J6	858	ECC91	6SC7	1969	
6J6W	2843		6SC7GT	1970	
6J6WA	4031	M8081 M8212	6SD7GT	865	
6J7	1936	Z63	6SF5	1972	
6J7G	1935	Z63	6SF5GT	1973	
6J7GT	1937		6SG7	1978	
6J8G	859		6SH7	594	
6K4	2955	EC70	6SH7GT	595	
6K65	860		6SH7L	5067	
6K5GT	861		6SJ7	591	
6K6G	1938		6SJ7G	590	
6K6GT	1940		6SJ7GT	592	
6K7	1942	W63	6SJ7WGT	3619	
6K7G	1941	KTW63	6SJ7Y	866	
6K7GT	1943		6SK7	1981	
6K8	1945	X61	6SK7GT	1982	
6K8G	1944	X65	6SL7GT	1985	ECC35
6K8GT	1946		6SN7	278	B65
6K25	2217		6SN7GT	1988	B65
6L5G	862		6SN7WGT	3627	QA2408
6L6	1948	KT66	6SQ7	1990	
6L6G	1947	EL37	6SQ7GT	1991	
6L6GA	2817		6SR7	867	
6L6WGA	3618	5932	6SS7	1993	
6L6WGB	2796	5881	6ST7	1996	
6L7	1951		6ST7G	1995	
6L6G	1950	KT66	6SU7		ECC35
6L12		ECC85	6T4	3808	
6L13	492	12AX7 ECC83	6T7G	500	
6L16	5281	ECC84	6T8		EABC80 DH719 6AK8
6L18	1899		6TH8		6P8
6L19	1850		6U3		EY80
6L34	417	EC91 6AQ4	6U5/6G5	504	6M1
6LD3	3882	EBC41 DH150 DH718	6U5G	2747	Y61 Y63
6LD12		EABC80 6AK8 6T8	6U7G	706	W63 KTW63
6LD13		EBC81 6BD7A	6U8	5065	ECF82 6678
6LD20	1920		6V3A	5021	
6LY1		1652M	6V4	1535	EZ80
6M1	2747	6U5 EM35 Y61	6V6	510	
6M2	394	EM34 6CD7	6V6G	509	
6M6		EL33 6AG6	6V6GT	511	
6N3		EY82	6V7G	870	
6N5	843	6AB5	6W2		6X2 EY51 R12 R12A
6N6	1954		6W7G	512	
6N6G	1953		6X2	426	EY51 R12 R12A 6W2 U43
6N7	1957		6X4	493	EZ90 U78
6N7G	1956		6X4W	4005	6063
6N7GT	1958		6X5	573	U70 E235 6ZY5
6N8		EBF80 WD709	6X5G	572	
6P5	1819		6X5GT	574	U70 EZ35
6P7	864		6X5WGT	3734	
6P8		OM10	6Y3	1816	
6P15	2975	EL84	6Y6G	515	
6P17	136	EL91	6Z4	619	84
6P25	1853	KT61 6A96	6Z5	871	
6Q4	1886	EC80	6ZY5		6X5 EZ35 U70
6Q5	1815	884	6ZY5G	873	
6Q7	588	DL163	6Z7G	872	
6Q7GT	587	DH63	7	874	
6R3	5905	EY81	7A	823	WE7A
6R4	1865	EC81	7A2	1174	Pen4VA AC/Pen
6R6G	1960		7A3	1181	PenA4 AC2/Pen KT41
6R7	1963	DL63	7A4	1770	
6R7GT	1964		7A6	876	
6S2	2966	EY86	7A7	877	W81
6S2A		EY87	7A7LM	877	W81
6S7	1975	KTW61			

TYPE	CV No.	EQUIVALENTS	TYPE	CV No.	EQUIVALENTS
7A8	878		9-3	368	
7AH7		PCC84	9A1	1172	VMP4G
7AHP1	2352	DG16-22	9A8		PCF80 LZ319 30C1
7AHP7	2498	DP16-22	9AB4		UC92
7AHP11		DB16-22	9AK8		PABC80
7AN7	5192	PCC84 B319	9AQ8		PCC85
7B	824	HK257B	9D2	1106	VP1322
7B4	879		9D5	1053	EF36 OM5
7B5	880	EL22 KT81	9D6	131	EF92 6F21 W77
7B5E	880		9HP7	905	
7B5LT	881		9JP1	1783	
7B6	882	DH81	9LD1	254	
7B6LM	882	DH81	9LO1A	464	
7B7	522	W149	9LP7	2789	2P455
7B8	883		9MD6	262	
7B8LM	883		9M06A	2108	
7BP7	884	1813P7 7B4	9MW5AX	2192	
7BP7A	3637	1813P7	9PK5	109	
7C4/1203A	2706	7C4	9T71		5770
7C5	885	N148	9U8		PCF82
7C5LT	886		10	603	2C23
7C6	887	DH149	10Special	906	GL1602
7C6	1777		10C1		X145 X118
7D5	1425		10C14		UCH81 X119 AD8
7D6	1672	Pen3520 Pen36C	10D1	1300	DD620
7D8	889	Pen13C	10D2		UAA91
7D8S	1328		10D3	1419	HAD1320 13DHA
7D9	136	EL91 6AM5 N144	10F1		Z145
7D10	2127	EL821	10F9		W118 W145
7DJ8		PCC88	10F18		UF89 W119
7E5/1201	2704	1201	10FD12		UBF89
7E6	891		10KP7	3693	
7E7	892		10L14		B109 UCC85
7F7	893		10LD3		DH118 DH142 UBC41
7F8	2968		10LD11		DL145
7F16	3886	EF41	10LD12		UABC80 DH109
7F25A		4-1000A	10LD13		DH119 UBC81
7G7	894	EF22	10M2		UM4 UM35
7H7	895	W148	10P13	1977	N118 N145 UL41
7H57		857B	10P18		N119 UL84 45B5
7J7	897		10PL12		UCL82 50BH8
7K7	896		10Y	603	
7MB1A	1880		11E1	2798	QQV03-10
7N7	898		11A2	2813	AC/HL/DD MHD4
7Q7	899		11E2	276	
7R7	900		11E3	73	V1120B
7S7		X81 X148	12A/112A	1714	EF9
7UP7	3639		12A5	908	
7W7	902	1282	12A6	525	
7Y4	901	U82 U149	12A6GT	526	
7YP2	5061		12A7	909	
7Z4	1790	U82	12A8GT	910	
8A1	1124	SP4 MSP4	12AC5		UF41 W142
8A1	1282	DG7-36	12AEP6	429	MF31-55 C12R
8A3	3813	WE8A	12AH7GT	529	
8A8		30C1 PCF80 LZ319	12AT6		HBC90
8D2	1108	SP13C	12AT7	455	B309 ECC81
8D3	138	EF91 6AM6 6F12	12AT7WA	4024	M8162
8D5	2135	6BR7	12AU7	491	B329 ECC82
8D6		6BW7	12AV6		HBC91
8D7		6BS7	12AX7	492	ECC83 6L13 B339
8F66R		6166	12AY7	3650	
8G7	7030	1S007	12B8GT	911	
8HG8		PCF86	12BA6	1928	HF93
8T21		9C21	12BE6		HK90
8T21R		9C22	12C8	531	
8T71R		5671	12C8GT	3827	
8T92		892	12DP7	913	
8T92R		892-R	12DP8	914	12DP7
9/01	254	30D5	12E1	345	



TYPE	CV No.	EQUIVALENTS	TYPE	CV No.	EQUIVALENTS
12E12	398	715B P535/E	15D1	2956	FC13C 15D2
12FP7	915		15D2	1107	
12H6	916		15DQ8		PCL84
12J5	534		15E	933	8023 4C30
12J5GT	535		15L01A	1744	
12J7GT	917		15MW3A		C15B
12K7		W76	15R	934	4B30 8022
12K7GT	918	W76	16A5		PL82 30P16
12K8	703	X76M	16A8		PCL82
12K8GT	3927		16AQ3		XY88
12L01A	2162		17(thy)	2957	PL5557
12MW3		C12D	17BQP4		MW43-69
12MW3A		C12B	17BTP4		AW43-80
12Q7		DH76	17C8		UBF80
12Q7GT	547		17CVP4		C17AA CME1706 AW43-88
12S7		UAF42 WD147	17Z3		PY81
12SA7	537		18GV8		PCL85
12SA7GT	538		19BD		PY80 U152 19U3
12SC7	540		19BR5		UM80
12SF5	919		19FL8		9BF89
12SF5GT	920		19D3		UCH81
12SF7	921		19D8		UCH81
12SG7	694	6SG7Y	19E2	265	
12SH7	922		19G3	277	
12SH7GT	3651		19G6	371	SU45
12SJ7	697		19H1	121	V1920
12SJ7GT	698		19H4	2180	
12SK7	543		19H5	490	
12SK7GT	544		19SU		PY82
12SL7GT	924		19T8		PY82 U319
12SN7GT	925	B36	19U3		PY80 U152
12SQ7	546	DH76	19X3		PY80 U309
12SQ7GT	547		19Y3		PY82 U319 U154
12SP7	3655		20A1	1424	TH4B AC/TH1 TH4 X41
12SR7	700		20A2	1848	EN32 6574
12SW7	3666		20A3	797	2D21 EN91 PL21
12SX7	3697	12SW7 B36	20CV	5120	
12SY7	3668		20D2		X31
12T01A	1869	MF31-95	20D3		12AH8
12T03A	2328	MF31-95	20K	1379	
12X825		68510	21/2	3584	
12XPR4A		MW31-74	21B6		PL81 N339
12Y4	523		24A	936	24E
12Z3	927		24B1	6008	V2023
13CM5		XL36	24B2	339	
13D1	423	25SN7GT	24C3	125	V2024
13D2	1988	6SN7GT	24G		3C24
13D3	2212	6158	25A6	549	KT33
13DHA		11D3 HLDD320 TDD13C	25A6G	550	
13E1	2377		25A7GT	937	
13FGA		15D1 FC13C	25B6	939	
13SPA	929	8D2	25B8GT	940	
13VPA		9D2 VP1322 VP13C	25E5		PL36 30P4
14A7	3935	12B7	25L6	552	KT32
14AF7		XXD	25L6GT	553	KT32
14AHP4A		AW36-80	25SN7GT	423	13D1
14F7	930		25T	941	HK24 3C34
14K7		UCH42	25TG	789	HK24G 3C24
14KP4		MW36-24	25Y4		PY31 U31 25Z4
14L	1087		25Y5	942	
14L7		UBC41 DH142 10LD3	25Z4		U31 PY31 25Y4
14LP4		MW36-24	25Z5	555	
14R7	3937		25Z6	558	
14S7	3936		25Z6GT	559	
15	931		26	943	
15A	986		26A7GT	3577	
15A2	3576	MX40 41MPG A80A	26AE6		PY86
15A6		FL83 N309	26D	2727	3226D
15B	326		26J	2786	
15CW5		PL84	27	944	

TYPE	CV No.	EQUIVALENTS	TYPE	CV No.	EQUIVALENTS
27M1	337	931A 1P21	41STH	2508	AC/TH1 X41 20A1
28D7	945		42	609	42E
28D7GT	946		42E	609	
29C1	430		42MP/Pen	1181	PenA4 7A3 PT4 KT41
29D	2728	3229D	42MPT	1325	
30	604		42OT	2511	PenA4 7A3 PT4
30TWIN	1780		42OTDD	2521	AC2 PenDD DDDP4B
30A5		HL94	42SPT	1444	
30C1		PCF80 9A8 LZ319	43	2514	
30CA	987	V1040	43E	2514	
30C12P1	1746		43IU	1039	R2 UU5
30D5	1860		44A/160M	415	TT15
30E7/P1	400	V1063P1	45	610	
30E8P1	2216		45A5	1977	UL41 N142
30HM/HD	1140	PX25 420XP D024	45B5		UL84
30L1	5192	PCC84 B319 7AN7	45DS	2528	
30P16		PL82 16A5 N329	45IU	2529	
30P18		PL84 15CW8	45SP	596	38412 2C45
31	947		45Z5GT	2530	
31A3		UY41 U142 U404	46	2531	
31C2	2965	RL7076-2B	47	1772	
32	711	32E	49	2532	
32A	951	32G 32E	50	2533	
32E	957	32G 32A	50BM8		UCL82
32G	953	32A 32E	50C5	1959	HL92
32J	958	26J	50L6G	2534	KT71
32L7GT	984	32A	50L6GT	571	
33	949		50Y6GT	805	
33A/100A	1750		51	487	
33A/138M	18	7074A	51A3		WL927
33A/158M	1884		52CG	2986	203A
33B/152M	1540		52KU	1863	5V4 GZ32
34	1751		53	2535	
34E	1751		53A	2536	3-50J4
35/51	1752		53KU	378	U54 GZ37
35A5LT	1753		54KU	729	GZ32
35L6	561		54NCP11	2885	54NCP11
35L6GT	562		55	2537	
35T	668	DET18	55CG	405	927
35TG	1754		55N3		UY82
35Z3	564		56	611	
35Z3LT	726		57	612	XG1-2500
35Z4GT	2500	U76	58	613	
35Z5	568		59	2538	
36	1775		59A3	2962	1N38A
37	606		59A4	2692	918
38	712		59D		WL928
38A	712		59TAV3		WL917
38A3		UY85	60A3		WL920
39/44	1771	329	61A3		WL930
40	2501		61BC	1979	
40PPA		7D3	61DV3		WL929
40SUA	1276	1D5 U4020 UR1C	61P	2539	
40Z5	2530		62BT	1745	
40Z5GT	2530		62DDT	3882	EBC41 6LD3 6CV7
41	608	41E	62TH	3888	ECH42 6C10
41DS	1131		62VP		EF41 6F16 6CJ5
41FP	2520	ML4 AC/P	63D	2540	
41MH	2503	MH41 484V HLA2 AC/2HL	63ME	2747	6M1 6U5G EM35 Y61
41MFH	1037	354V AC/L MH4	63DS	2731	3263DS
41MHL	2504	354V MH4 244V AC/HL	63SPT	1091	EF50 Z90
41MLF	1038	41MHL 244V	63TP		ECL80 6AB8
41MP	1458	ML4 TT4 AC/P	64ME		EM34 6CD7
41MPG	2505	MX40 FC4 15A2 X42	64SPT		EF80 Z719 6BW7
41MPT	2506		64SU	135	EY91
41MRC		AC2HL	65ME		EM80
41MSG		MS4B SP4 AC/SG	66KU	3891	EZ40 6BT4
41MTL	1117	354V	67PT	3889	EL41 6CK5
41MMSG		SP4	70B1	470	
41MXP	1122	PA1	71A	2541	

TYPE	CV No.	EQUIVALENTS	TYPE	CV No.	EQUIVALENTS
71A3	1764	CE2 1P30	161	708	
72	709	RX232 3B24	164V	2562	MHL4
72R	709	RX232 3B24	171DDP		UBF80 17C8
73	2543	RK73 RKR73	172K		MW43-69 17BQP4
73R	2543	RK73 RKR73	173K		MW43-69 17BQP4
75	614		185BT	1980	185BTA
75B1	284	QS75-20	200	2988	HV18
75C1	4084	6065 M8161	202	1200	
76	615		202STH		TH2321
77	616		203A		4242A
78	2544		203B	2986	
78DS	1328	Pen1340 Pen13C	204A	2563	UV204A
79	2545		205D	1749	3B/151A
80	617		205E	2566	3B/151A
81	2546		205F	2567	
82	1773		210DET	2569	HL2
82AV4		WL919	210DDT	1044	TDD2A
83	618		210HF	2570	PM2HL
83V	2547		210HL	2571	PM2HL
84	2548	84/6Z4	210HPT		KTS Pen220
84/6Z4	619	84	210LF	1021	HLB1
84A3		WL923	210PG	1043	FC2
85	2549		210RC	2977	HL2
85A1	431	OE3	210SPG		FC2 X22
85A2	449	QS83/3 OG3	210SPT	1049	Z22
85A4		WL928	210VPA	2574	W21
88D	2185		210VPT	1083	W21
89	833	89Y	210VPT	171	
89D	2193		211	620	4C21
89J	2750		211	2576	4C21
89Y	833	89	211H		T100-1
90AG	2270		212E	2577	4212E MY3-275
90AV	2132	VA50	212K		MW53-80
90CG	2133		215P	1019	PL15
90CV	2134		215SG	1018	PM12M
90EG4	1587	901A	218	2579	
95A1	286	SM95 QS95/10	220B	1032	B21
100B1	1199		220IPT	1333	Z22
100R	2967	8020	220C	2580	
100TH	2552		220HPT	1118	PM22A
101D	1778	3A/141A	220LF	1313	
101F	2553		220LPT	1195	KTW63
102D	1779	3A/142A	220OT	1118	PM22A
104D		3A/144A	220P	1020	PL2
104V	1161	ML4 PA1 45P	220PA	1022	LP2
105		PL105 XGQ2-6400	220PT	1051	Per:220A
108C1	1833	OB2	220RC	1312	
111A	2554		220SG	1018	Z21
112	1774		220TH	1082	H24
116Pen	1337		220VS	2582	PM12M
117L7GT	2556		220VSG	1028	PM12M
117N7GT	2557		225DU	1454	
117Z6GT	2558		228A	734	4228A
120A		4120A	230XP	1023	P2
121A	2560	4121A	231D	2584	6AN5
121K		C12FM MW53-80	238B		PL5555
121VP		UF41 12AC5	239	1771	39/44
122A	2561		240B	2586	B21 PM2BA
129B	2950	3P/270B 3Q/191E	240QP	1035	QP230
141DDT		UBC41 10LD3 14L7	242A		ES85 4242A
141K		MW36-24	242B		4242A ES85
141TH		UCH42	242C	2587	4242A ES85
143D	557	D42	244A	2588	
150B2	2225	6354	244V	1038	354V
150B3	287	QS150/15	249A		2V/400A
150C2	1832	OA2	250TH	2589	RK63
150C3	216	OD3	250TL		WL806
150C4	1832	OA2	256B	2592	
152RA	3878	2-150D	257A	2593	
154V	1037	MHL4	258B	2594	

TYPE	CV No	EQUIVALENTS	TYPE	CV No.	EQUIVALENTS
259A	2595		401CAHA	389	
262A	2597		402Pen	1672	Pen36C
264A	2598		405BU	2640	
264C	2599		408A	2205	E4103-E-14
267B	2600	F267B	408BU		DW2
270A	30	4270A	408C	2211	408CAHA
271A	2601		410LF	1152	L410
272		5557 XG5-500	410PT	1167	PM24A
272A	2602		415XP	1154	PM254
274A	2602	4274A	417A	2642	2K41
274B	684	5U4G	420T	2511	
275A	2604		420XP	1040	PX25 D024
278A	4278A		428T	812	CE230 428T
279A	669	4279A	431U		R3 IW4-500 MU14
282A	2065		436A		A2674
293A	3829		437A		3A/167M
296A		WL849	441U		R3 UU5 IW4/50C
300A	2608	4300A	442BU	1796	R2 DW4-350
300B	2609	9300A	446	3725	GL446
302THA		TH2321	446A	932	
303	2610		446B	687	2C40
303A	2986		446C	2272	
304	1202		450TH	2572	
304TH	2611	HK304H WL535	451PT		UL41 45A5
304TL	3580		460BU	2644	R3 DW4-500
305D		WL801A	464A	688	2C43
307A	2612	4307A	471A	3586	1B21A
310A	2613		484V	1678	HLA2 AC2/HL
310B	1781		506BU	2645	DW2 U10
311		4242A 242B 203A	522	999	3C22
311A	2614		532	2647	
311CH		T100-1 211H	532A	2648	1B32
311SU		UY41 31A3	541U		UL41
313C	2615	4313C	560BU	2645	U10 DW2
314A	2616		576	3749	
316A	683	CL316A	578	2967	8020 10CR
322A	623	RK28A 38803	610XP	1154	PM254
323A	2617		615	3506	HX615
327A	2618	5637 3-10063/327A	616		KT66
327A	926	4B35 12X825	635P	1208	PM256
328A	2619	3B28A	644	670	HK645
329A	2620		648P1	746	
330B	2621		651		PL5552A
331A	2622		652		PL5551A
332A	2623	WE322A	653B	666	9004
332Pen	1401	CL33	657		PL5551A 652
337A	2624	WE337A	672		3V/390A
338A	2625		676		3V/490A
340A	1782		700A	689	4J42
346A	2626		700B	695	4J42
349A	2726	EL83 6CK6	700C	696	4J42
349B	2628		700D	699	4J42
350A	2629		701A	677	WE701A
350B	621	38101 L801	702A	678	702B
351A	2630		703A	679	368AS
351B	2630		705A	3587	8021 ZT/450E
352A	2631		706A	3588	
354A	2632		707A	3589	K307
354B	1173	244V A30D AC/HL	707B	1768	2K28
357A	691	4357A	708A	3590	
357B		3C24	709A	2652	
362A	2633		710A	62	E1046
367	2634		713A	3593	
368A	710		714AY	2653	
371B	3511		715A	2654	
375A	2636		715B	2655	P535/1E
388A	2637		715C	598	
393A	2638		717A	2594	GS1630
394A	2639		719A	3596	CE302
400TDD	2521	6AH6	720C	3907	
401A	967	E4103-B-4	721A	3595	
			722A	3596	CE302

TYPE	CV No.	EQUIVALENTS	TYPE	CV No.	EQUIVALENTS
723A	720		873		TQ4
723A/B	1795	KS9-20	874	643	3918
724A	2656		875A	644	
724B	1793		876	645	
725A	722	JP9-250D	878	2683	
726A	676		879	597	2X2
726B	3597		880	2685	5658
726C	3644		884	647	
729A	539	1B23	885	648	2B4
731A	850	EF95	889	2686	ESW5000
732A	812	3B24	889R	2687	ESA5000
800	2657	RK30	891	2688	ESW891
801	621	38101 WE350D	892R	904	BR175
801A	621	VE310	893R	2689	
802	622	GL802	901A	1587	ECR35 90EG4
803	623	RK28A 38802	902A	2310	GEX64
804	624	4052A	902M	2244	
805	625	T100-1	902P1	3600	902P1A
806	2658	GL806	904V	2690	MH41
807	124	QV05-25 5B/250A	905	736	
807W	3809	QV05-25 5B/250A	906	737	3AP1
808	626		906P1	602	3AP1
809	2660	NU302 HY302	908A	2310	GEX64
810	627	WL810	913	2691	
811	628	GL811	918	2692	1P23
812	2661		919M	420	
813	26		927	405	55CG
814	629	RK47	929	2693	59 61DV3
815	2663	QQV04-20	930	2694	GS1650
816	724		930B	702	HY51B
822	264		931	2695	1P21 27M1
825	2665	C144 QV07-40	931A	2696	27M1 1P21
826	630		935	2697	
828	631	5R700A	946A	1521	E4412/M/9
829A	3599	3E19	953	738	
829B	2666	QQV07-40	954	1095	ZA2 4672
830B	702	HY513 CB30B	956	649	
832	1088	832A	957	2700	
832A	788	QQV04-15	958	650	
833	635	B142	958A	2601	
833A	635	TY4-350	959	1794	
836	636		965K	2230	
837	637	RK44	966	32	DCG4/1000G RG3-250A 866A
838	638	HF130	966A		DQ2
841	906	1602	967		PL5557 TQ2 XG5-500
843	639		972	642	TQ4
845	735	T100-1	972A		DQ4
845W	3646		973		TQ4 873
846	2668		992	651	NE16 CD2005
849	2669		1000UHF		WL1000T
849H	2670		1005	2874	
851	2671		1043	1097	E4504/B/16
852	2672		1048		68530
857		DQ7	1163		68506
857B	2673	DQ7	1164		68508
859	2779	2B26	1201	2704	7E5
860	640		1201A	2704	7E5
861	641		1203	2705	
863	2674		1229	711	32E
864	2675		1231	2707	
865	2676		1252W	2464	
866	32	2V/400A	1257	5027	PL5559 XG1-2500
866A	32	RG3-250A 3B28 AH201	1267	1992	Z300T
866JR	2679	2B26	1282	902	7W7
868	2680	1P23 918	1294	2709	1R4
869B	2723	DQ6 ESU111	1295		WL632B
872	642	F353 4B32 AH217	1299	815	3D6
872A	1449	DQ4	1378X	761	1B22
872AX		DGC5/5000GB	1500T	2711	

TYPE	CV No.	EQUIVALENTS	TYPE	CV No.	EQUIVALENTS
1547	1289	IW4 R3	3226D	2727	26D
1561	1064	DW4-500	3226J	2786	26J
1601A	1385	E4504/B/16	3229D	2728	29D
1601ABC	440		3263DS	2731	63DS
1601E	440		3530	405	55GG
1603	652	6C6	3572		866A DCG4/1000G
1608A	1391	E4504/E/16	3861B	2519	QEL150 4X150A QV1-150A
1609	2712		3874A	26	QB2-250 813 QV2-100
1610	2713		3885		DCX4/1000
1611	653	6P6	3945		845
1612	654		3951	2733	
1613	655		3982	2680	1P23
1614	2714	QV06-20	4003A	2743	
1616	656		4004B	2329	
1619	723		4006A	1600	CAT1 BW173
1620	657	6J7GT	4008A	1601	AW223 CAR1
1622	658	6L6G	4011A	1415	
1625	659		4012A	1445	4094A
1626	1755		4013C	1605	
1629	1756		4014A	1603	
1630	2715		4015A	2735	
1637	1052	ON9 EL32	4017B	1446	
1642	875	2C21 RK33	4018G	1733	
1646	966	E4504/M/16	4019A	249	3A/107A
1652M	1530	6LY1	4019B	1655	AR11 425XD
1655	2716	6SC7	4020A	1653	AR12 3A/10BA
1658M	307	6LY1	4020B	1657	3A/108B
1672		WL172	4021A	1671	3A/109A
1701		PL5557	4021B	1663	AR20 3A/1C9B
1729	2717		4022AR	1664	3A/110B
1754	3618	5948	4022B	1659	
1805P1	832	5AP1	4030A	1447	
1806P1	817	3EP1	4030D	1447	
1813P7	884	7BP7 ZP468	4033A	1220	3B/252B 61P
1814P1	790	2AP1 1814P1	4033AF	2743	
1821	1443	DW2	4033L	1688	3B/252B 61P
1851	599	GL1851	4043C	1448	
1852	660	6AC7	4045A	243	
1853	1873	6AB7	4046A	244	
1861	1039	IW4-500	4047B	1600	CAT1 BW173 4006
1867		IW4-350 R2	4049C	1355	
1876	2718		4049D	5	AH221 RG4-1250 GV21
1877		HVR2	4050AG	2745	
1904		3V/390A	4052A	1081	
1907	3521	XH25-500	4053	950	
1908P1	1783	9JP1	4053A	967	
1909A	2291		4056A	1025	DET25
1924	2719		4059A	1611	MR4
1960	1792	5836	4060A	1030	T250 ET30
1971		WL207	4061A	1369	
2000		68506 1163	4062A	1568	
2000T	998		4064A	2746	DQ4A
2050	2565	EN32 20A2	4064B	1449	872A DQ4
2051	1798	20A2	4066A	1181	KT41 7A3 APP4B
2100A	2967	WL8020 RV12-100	4069A	1372	RK28
2211BRA	439	22/11BXA	4074A	18	DET19 2C34 RK34
2218BRA	439	22/11BXA	4074B	1573	
2269Y	2463		4077A	33	4077D
2501A3	602	906P1	4078A	1420	869B 2V/531E
2505A5	740	5MP1	4078GA	447	
2511A5	741	5LP1	4081	2749	
2529A5	1791	5JP1A	4081A	1797	
3025	2722		4242A	25	ES85 UE311
3069		866A DCG4/1000G	4313C	75	313C
3070		872A DCG5/5000GB	4316A	683	316A
3071	2723	869B	4317	1201	
3072		WL857B	4328A	2619	328A
3078		DCG9/20 6508	4328D	245	
3209	2725	09J	4357A	27	357A ES351
3220K	954	20K	4378	1254	

TYPE	CV No.	EQUIVALENTS	TYPE	CV No.	EQUIVALENTS
4407	1084		5718	3930	
4409	995	6AJ5	5719	4008	
4410	1087		5725	4011	M8196
4412E		V1505	5726	4007	EAA901S 6AL5W
4502	1086		5727	4018	2D21
4602	956		5749	4009	6BA6W
4605	1085		5750	4012	6BE6W
4606	2764		5751	4017	
4607	690	RK48A	5755	3755	
4608	1511		5762		BTL2-1 TY6-5000B
4671	1059	HA2 955 ESO111	5763	2129	QV03-12
4672	4695		5771		BW165
4673	2765		5783	3933	85A3 M8190
4687	2766		5783WA	4066	M8190
4690	2767		5784	3986	ECC70
4701A	677	701A	5787	3897	5787WA
4702A	678	702A	5796	3706	XR1-1600
4703A	679	703A	5799	2678	
4705A	3587	705A	5799	2678	
4706	3588	706A	5800	2730	ME1402
4707A	3589	707A	5814	4016	5814WA
4708A	3590	708A	5814WA	4032	5814
4713A	3593	713A	5823	5122	Z900T
4717A	3594	717A	5829	3998	E180F
4721A	3595	721A	5840	3929	EF732
4722A	3596	722A	5842	3789	1547 WE417A
4726A	676	726A	5846	2859	WL5846
5215A	1081		5847	3905	
5517	2609	CK1013	5852	3943	
5544	2210	XR1-3200	5855	5957	XR1-12
5545	2215	XR1-6400 5686	5861	273	TD03-106
5556	2640	405BU	5866	1924	TB2.5-300 TY2-125
5557	2957	XG5-500	5867	1350	TB3-750 TY30250
5559	5027	XG1-2500 571	5868	1351	TB4-1250 TY4-500
5586	3611		5870		DCG12/30
5620		4004B	5876	2972	
5626	298	FA15	5886	495	ME1401
5628	2952	FA13	5894	2797	QQV06-40A 5894A
5629	2662		5894A	2797	QQV06-40A 5894
5632	5234	PL5632 C3J ZT1011 8063 XR1-1600A	5895	1835	QQC04-15 QQZ04-15
5636	3928	EF730	5896	2698	
5641	473	EY70	5902	4029	EL71
5642	2241	DY70	5915		EH900
5643	474	EM70	5920		E90CC
5644	3987		5923		TBW6/6000
5647	3916		5924		TBL6/6000
5651	2573	QS1209 85A2	5932	3899	
5651WA	4008	M8098	5933	3517	
5654	4010	6AK5WA	5939	3545	WL5939
5656	2970		5948	3518	1754
5657	3958		5949	3521	XH25-500
5663	3610		5962	2383	BR191
5664	1765	3C31/C1B	5963	3900	
5667	2687	889R	5976		KS7-85A
5670	4013		6002	3902	QK221
5672	2238	DL620	6005	4019	M8245 6AQ5W
5675	2971		6007		DL67
5676	2239	XFR3	6008		DF67
5678	2254	DF60	6021	3986	ECC70
5683	2574	6014	6024	3539	ATR387
5684/C3J/A	2753	6011	6027	3997	JP9-15 2J42A
5685/C3JA	2574	210VPA	6038	3628	1B35A
5686	3612		6057	4004	12AX7 M8137
5687	2578		6058	4025	QA2404 M8079
5691	3705		6059	4006	6BR7
5692	3942		6060	4024	M8126
5693	3699		6061	4043	6BW6
5696	3512	EN92	6062	4039	M8091
5702	3895	5702WA	6063	4005	6X4WA
5704	2874	EA76 6489	6064	4014	S6F12 QA2403

TYPE	CV No.	EQUIVALENTS	TYPE	CV No.	EQUIVALENTS
6065	4015	M8161	6922	2492	E88CC
6067	4003	M8136	6923	5140	EA52
6073	2903	0A2	6939	2466	QQE02-5 QQV02-6
6074	4028	OB2WA	6960		QBW7/800 TY7-600W
6075		KPW5/3500	6961	5239	QBL7/800 TY7-6000A
6076	5219	KS7-85A QB15/3500 CR1100	6972		JP9-75
6077		TBW12/100 TY12-50A	6977	6094	DM160
6079	3522	QY5-500	7001	4067	M8167
6080	2984		7004		TBL2/300 TDD2-300A
6083		PE1/100	7028		JP9-2.5
6084	2729	E80F	7034	2519	QV1-150A
6085	5989	E80CC	7035	3991	4X150D QV1-1500
6088	2699		7036		5915A
6095	4019	6AQ5W M8245	7062	5766	E18CC
6096	4010	MB100 5654 6AK5W 6096	7090		JP2-0.2D
6097	4007	M8212 5726 6A25W 6097	7091		JP2-2.5A
6100	4022	M8480	7092		TB5/2500 TY6-800
6101	4031	6J6WA M8081	7118		E181CC
6106	2996	HL41DD	7119		E182CC
6111	3961		7125		EBF89
6117	3906		7136		DCG6/18GB
6130	3629	3C45 XH3-045	7292		JN2-2.5W
6131	3632		7432	4501	EF72
6132	4055	6CH6	7433	4502	EF73
6135	4022	M8080	7434	4503	EF731
6146	3523	QV06-20	7435	4504	EA76
6155	2130	QY3-125	7436	4505	EF71
6156	2131	QY4-250	7437	4057	S1966
6158	4068	13D3	7438	4508	EF70
6161	3901	5580 5946	7457	1070	GD100B
6187	4011	M8196	8001	824	
6189	4003	12AU7WA M8196	8003	2768	T100-1
6199		15OAVP	8008		DCG5/5000GS
6201	3508	ECC801S	8008AX		DCG5/5000GS
6205	2432		8011	62	E1046
6218	5734	E80T	8012	662	GL8012
6227		E80L	8013A	716	8013
6252	2799	QQV03-20A TT20	8016	541	1B3GT R6158A
6261	2901	EF86 Z729	8020	2967	RY12-100
6268	1787	4C35	8021	3587	378A
6279	2520	5C22	8022	944	27
6291		15OAVP 6199	8023	933	4C30 15A
6305		2T/270K	8025	663	3E29
6354	2225	150B2 QS1200	8025A	3915	
6360	2798	QQV03-10	8026	92	4C27
6370	5106	E1T	9001	1757	
6373	2105	DL70	9002	664	GL9002
6374	2235	EY84	9003	665	
6375	2295	DC70	9004	666	653B
6391	476	EF74	9005	667	GL9005
6410	3903	QK338	9006	2967	100R WL578
6488	466	EF73	9901		5867
6489	469	EA76	9903		5894 B1135
6516	4063	M8082	13077	2770	
6538	2236	Z800U	38116		1163
6539	2255	X801U	38166		DCG4/1000G
6574	2253	EN32	38217	2957	5557 XG5-500
6617		TBW12/25 TY12-25W	68503	2773	68510
6618		TBL12/25 TY12-25A	68504	2774	
6627	4028	OB2WA M8224	68506	2775	1163
6686		E81L	68508		1164
6687		E91H	68510	2776	
6688	3988	E180F	68530/U600	3756	1048
6689		E83F	178148		1163 68506 38116
6693		DCG6/18 RG4-3000	180238		1164 68508
6700	5277	ET51	189048	2777	1163
6778	468	EC70	189049		1163 68506
6779	2434	Z803U	217283		1164 180238 68508
6866		E702	289414		1163 189049 38116
6870	5121		289416		1163 289414 189049 38116
			766766		1164 217283 180238 68508
			859483	2779	4B36 20X672



TYPE	CV No.	EQUIVALENTS	TYPE	CV No.	EQUIVALENTS
A11B		1W4-35 R2	AC1S	2819	
A11C		1W4-500 R3	AC/S2	1677	SP4
A11D		1W4-350 R2	AC/S2Pen	1282	HP4101/7
A20B		2D4A	AC/SG	2822	8A1
A23A		TDD4	AC/SG	1190	E1046
A27D		Pen4DD	AC/SGVM	1165	AS5124
A30D		354V	ACSH	1677	S4VB MS4B
A36B		TH4B	AC/SL		SP4
A36C		TH4B	AC/SP1	2820	AC/S2Pen
A40	2800	HA1	AC/SP3	2923	
A40/N3	2801		AC/SP3RH	1430	
A41	1175	ZA1 AP4	AC/S1VM	1165	
A50A		SP4 8A1	AC/TP	1718	
A50B		SP4B	ACT6	2825	
A50M		9A1	ACT9	28	
A50P		VP4B	ACT10	2827	
A70B		Pen4VA 7A2	ACT14		BR140
A70C		PenA4	ACT16	1431	
A70D		PenA4	ACT17	225	
P70E		PenB4	ACT19	379	
A80A		PC4 15A2	ACT22	257	
A207		ESU77	ACT23	288	
A373	1184		ACT24	240	
A800	412		ACT25	436	
A819	1698		ACT27	2163	
A901	1722		ACT28	2163	
A915	1462		ACT29	28	BR1138
A915Met	2803		ACT30	2383	5762
A915AMet	2804		AC/TH1	2830	TH4B
A924	2805		AC/VH	3788	VP4
A1065M	1343		AC/VP	2269	ME1401 5802
A1320	51	Y65	AC/VPB	2823	VP4B
A1714	408		AC/VP1	518	VP4A/5
A1820	409		AC/VP2	2832	VP4B
A1834	2523	RY12-100	AC/VS	1165	
A2087	2171		AC/Y	1174	KT42 7A2
A2134	2179	E2134	AC/YI	1326	APP4E(B4)
A2272	2318		AC/Z	1181	PenA4
A2293	4079	11C1	AD/P4	1198	ACP4
A2426	4082		AF3	2833	
A2521	2453	6CR4	AF350	1252	4212E 14D13
A2688	4081		AFH202	12	E1191
A4501		QE06-50	AFX203	2868	C1A
A4229	824	HK257A	AFX212	1949	EN93 6D4
AC044	1168	P12/250	AFX234	5023	EN93 6D4
AC2/HL	2806	MH41 904V	AG866A	32	DCG4/1000G RG3-1250A
AC2/HLMet	2807	HLA2 904V	AG872A	642	DCG5/5000GB
AC2/Pen	2808	PenA4 7A3	AG8008		DCG5/5000GB
AC2PenDD	519	PT4D DN41	AGR9950		5869
AC/4Pen	1326	Pen4B	AGR9951		5870 DCG12/30
AC/5Pen	2809	PT10 N41	AH200	2168	
AC/5PenDD	1196		AH201	32	ESUB66 RG3-250A 866A
AC/Pen	1189		AH205	532	857B
AC/7	1683	MKT4	AH211	532	GU24
AC104	1161	104V	AH213	2732	869B
AC/DD	1170	SD41	AH217	642	DCG5/5000GB 872A
AC/DDT	2813	TDD4	AH221	5	RG4-1250 4049D GU21
AC/HL	2811		AH238	1629	RG3-1250
AC/HLMet	2812	354V	AL1	159	
AC/HL/DDD	2813	11A2 DDT4	AL22-10	5300	2273P 9RP33
AC/HL/DD		TDD4	AL60	9	
AC/HP	1282	SP4	AN1	1128	ME1502 GT1C
AC/L	1732	TT4 LF4 41FP	AP4	175	XSG1.5
ACP	2815	PA1 4MXP 054 TT4	APP4A	1683	7A2
AC/P	1179	ML4 41FP TT4	APP4B	1181	7A3 PenA4
AC/Pen	1174	P4BA 7A2	APP4C	1684	
ACPT	2818		APP4G	2836	
AC/P4	207		APP4E		PenB4
ACPT8	2818		APV4	1039	1W4-350 R3
AC/Q	1326	B4 Pen428			

TYPE	CV No.	EQUIVALENTS	TYPE	CV No.	EQUIVALENTS
APV4100		1561	BA9-20	2393	7635
AR63	3710		BD78	2125	
AR300	2839	4212E	BLC/1C	433	
AS4120		SP4	BK24		5552A
ASGO4A		BL1267 Z300T	BK34		5553B
ASG5017		PL5557 TQ2	BK42		5551A
ASG5023		PL3C23	BK44	1742	
ASG5025		PL3C23	BK46		5555
ASG5121	789	PL2D21 EN91	BL63	1102	
ASG6011		PL5684 C3JA	BOL014	984	S2A
AT4	1171	HA1 A40	BPM04		6AQ5
AW43-80		17BTP4	BR1	692	OZ4
AW53-80		21CLP4	BR29	2687	ML5667 889
AX4/125A		6155 QB3/300	BR152	28	ACT9
AX105		PL105	BR153	2159	
AX224	1835	DCX4/1000 3B28 GXU1	BR161	2322	
AX230	2518	DCX4/5000 4B32 GXU2	BR175	904	ESA892
AX9900	1924	5866 TB25/300 T350-1	BR179	2323	
AX9902	1351	5868 TB4/1250	BR191	383	
AX9903	2797	5894 QQE06-40	BR191B		5762 TY6-5000B
AX9904	3926	5923 TBW6/6000	BR1130		5736
AX9904R		5924 TBL/6000	BS4	189	
AX9905	1838	5895 QQCO4/15 QQZ04-15	BS4A	1859	
AX9906		6077 TBW12/100 TY12-54W	BS5	233	
AX9906R		6078 TBL12/100 TY12-50A	BS48	460	
AX9907		6075 QBW5/3500 QY5-3000W	BS52	1841	
AX9907R	5219	6076 QBL5/3500 QY5-3000A	BS60	527	DA60
AX9908	3522	6079 QB5/1750 QY5-S10	BS62	1858	
AX9909		6083 FE1/100	BS64	1743	
AX9910	2799	6252 QQE03/20 QQV03-20A	BS82	463	
AX9911	1787	6268 4C35 XH8-100	BS84	462	
AX9912	2520	6269 5C22 XH16-200	BS92	461	
AZ1	2860	A231	BS100	1219	DA100
AZ2	2861		BT5	1147	5559 XG1-2500
AZ31	2862	U143	BT9	1145	
AZ32	2861		BT9A	1146	
AZ41	3892		BT9B	13	
B1C/1C	2734	4003A 5A	BT19	1144	XG2-540
B1C/1E	433		BT25	1147	21N13
B2A	2565	2050	BT45	22	
B4B/1C	536	4120/AA	BT69		6786 DCG7/100B XG15-12
B6	2140		BT75	489	
B6E	2141		BT79	372	3045 FX227
B12	494		BT83	1120	5622 XH16-3200
B12E	2142		BT91	2210	5544 XR1-3200
B21	2864	240B FM2BA	BTR32	458	
B24	2143		BTR34	459	
B24E	2144		BU100/6	2867	
B30	2865		BW	1600	CAT1 4006A
B36	925	12SN7GT	BW129		ESW5000
B63	278	6SN7GT	BW140	2871	CAT6
B65	278	6SN7GT	BW153	2872	CAT9
B109		UCC85	BW175		ESW892
B142	1927		C1A	2868	AFX203
B152	455	12AT7 B309 ECC81	C1B	1765	5664
B217	1021	HLB1 D210	C1C	1400	
B228	1673	PM2HL	C1K	2790	
B230	1032	PD220	C3J	5234	5632 8063 ZT1011
B240	1032	FM2B	C3JA	5234	5684 8063 XR1-1600A
B262	1018	Z21 S6215	C6A	714	
B309	455	ECC81 B152 12AT7	C9A		CRM92
B319	5192	PCC84	C10B		UR1C V20 1D5 BTY36
B329	491	ECC82	C10SS/2G	2794	
B339	492	12AX7 ECC83	C12B	2315	
B719		ECC85 6AQ8	C12A		CRM121
B1109	2736		C12FM		MW31-14
B1135		5867 9901 TY4-400	C12R	429	12AEP26
B2048		X2818	C14HM	3535	
B2049		X2918	C16GS/2G	2745	4050AG

TYPE	CV No.	EQUIVALENTS	TYPE	CV No.	EQUIVALENTS
C17-1A		MW43-69	CE226		1163
C17-2A		MW43-69	CE230	819	PL33 N16
C17-4A		MW43-80	CE235		1164
C17AA		AW43-88	CE309	2957	PL5557 TQ2 X65-500
C20C		10D1	CE311		PL3C23 TQ1/2
C21-1A		MW53-80	CE866		DCG4/1000G
C21AA		AW53-88	CE872A		DCG5/5000GB
C21KM		MW53-80	CE927		3546PW/02
C30B		HL13C 4D	CF1		SP13
C36-24		MW36-24	CF2		VP13A
C36A		TH21C	CF7		SP13
C50B		SP13C 8D2 BTY69	CG1-C	425	0A74
C50N		9D2	CG1-E	425	CEX44
C70D		7D6	CG4E		2X105G
C80B		FC13C 15D1	CG14	496	
C143	26	813 QYZ-100	CK1		FC13
C144	2666	QQV07-40 829B	CK502AX	385	PL71
C178A	2797	5894 QQV06-40A	CK505AX	443	PF70
C180	788	832A QQV04-15	CK506AX	387	PL72
C200	2988	HV18 NU200	CK546DX		DL651
C203A	2986	203A HD203A	CK549DX		DF651
C243N	1118	KT2 PT2 22A	CK707	2848	
C866		DCG4/1000G	CK1005	2874	1005
C866C		DCG4/1000G	CK5672		5672
C872		DCG5/5000G	CK5704	2847	5704
C1108	2130	6155 QV3-125	CK5726		5726
C1111	427	5D21 7156	CK5886		DF703
C1112	2131	6156 QV4-250	CL4	2875	
C1123	3543	4D32	CL33	1401	332Pen
C1133		4PR60	CMG8	1432	GS26
C7501	2869	3JP7	CMG22	1473	5266
CAA322	1904		CMG25	242	5566 927
CAR1	1601	4222B AW223	CMG25	250	
CAR4	1602		CMG25	1472	
CAT1	1600	4006A BW173	CTR139		872R
CAT2	1606		CR176	2324	
CAT6	2871	TX12-12W	CR1100	5219	6076 QBL5/3500 QY5-3000A
CAT9	2872	BW153	CR1101		6181
CAT17	533		CRM91		C9A
CAT20C	421	BW187	CRM92		C9A
CBL31	1463		CRM121		C12A
CC2		HL13	CRT4/1	2880	
CC3D	2870		CRT5/1	487	
CC3L	2266		CS2-A	103	
CC81E		6201	CS2-C	1907	
CC82E		6067	CS3-A	253	
CCE305		3V/340B	CS3-B	1844	
CE1		918	CS4B	2258	
CE1C	2692	918	CT1-500	1144	3V/340B XG2-500
CE1D	2680	1P23	CT1/2500		PL5559/57
CE1E	2680	918	CWS24A	1968	
CE2	1764	1P30	CX25	1766	
CE3		1P31	CX1113	2851	3D22
Ce4		1P36	CXT1	2389	
CE5		1P35	CXT2	2400	
CE11V		917	CY1		G2080
CE20	1474	CE25 NU20	CY1C		UR1C V20
CE21		920	CY31	1402	OM1
CE23		923	D1	1078	T4D
CE25	405	1P32 927	D2	2778	2J21
CE26		1P33	D4	1037	354V
CE29		1P39 929	D41	1187	2D4A
CE31V		919	D42	557	
CE34		934	D61	1092	EA50
CE59		5581	D63	554	6H6G
CE72	709	72R 3B24	D77	140	EB91 6AL5
CE91		1P37	D143		12
CE225		1163	D152	283	EB91 6AL5

TYPE	CV No.	EQUIVALENTS	TYPE	CV No.	EQUIVALENTS
D210	1021	LK31 D210	DET23	354	TDO3-5
D400	1170	SD4A	DET24	397	TDO4-20
D418	1686		DET25	1025	
DA	1109	4D1	DET29	2397	
DA30	563	D026 440XP	DF1	2907	
DA41	1076	TZ40	DF33	1823	1N5GT
DA42		1D13	DF60	2254	5678
DA60	527		DF61	2371	6611
DA90	753	1A3	DF62	2237	1AD4
DA100	1219	ES1102	DF63	2433	
DAC1	2887		DF64	2260	02DF
DAC32	1818	1H5GT	DF66	2107	
DAF70	2104		DF67		6008
DAF91	784	1FD9 1S5	DF70	433	BIC/1E
DAF96		1AH5 1FD1	DF72	2101	
DAG1	2		DF73	2103	
DB7-36		3WP11	DF91	785	1T4 1F3
DB13/14		5ADP11	DF92	1758	1L4 1F2
DB13/134		5ADP11	DF96		1AJ4 1F1
DB16-22		7AMP11	DF97		1AN5
DC2P	1735		DF904		1U4
DC51	1		DG4-1	5131	
DC70	2275	6375	DG7-5	2175	3ALP1
DCC90	808	3A5	DG7-32	2431	3AMP1 5UP1
DCP60		1V6	DG7-36	3946	3WO1
DCG4/1000ED	1425	DQ2A RG3-250	DG13-2	2191	5CP1A
DCG4/1000G	32	DQ2 RG3-250A 866A	DG1334	5035	5ADP1
DCG5-5000GB	642	872A DQ4	DG16-22	2352	7AHP1
DCG9/20		DQ6	DG736		8A1
DCX4-1000	1835	3B28 DX2 RR3-250	DGP	1141	GDT4C
DCX4-5000	2518	4B32 RR3-1250	DH	1665	
DDL4	1691	DD4 D41	DH3-91	2302	1CP1
DD4	1170	2D4A	DH7-91	6095	3AFP1
DD6	140	EB91 6AL5	DH10-94		4EP1
DD6G	140	6AL5 6D2	DH13-97	5168	5BKP1
DD41	1403		DH30	1695	DDL13
DD620	2889		DH42		TDD4
DDA1		2D4A	DH63	587	6Q7G
DDL4	1691	2D4A	DH63M	587	6Q76
DDL13	1695	DH30	DH73M	2909	
DDPP4BM	519	27D Pen4DD	DH76		12Q7GT
DDPP4M		Pen4DD	DH77	452	EBC90 6AT6
DDPP6BS		EBL1	DH81	882	7B6
DDPP6S		EBL1	DH109		UABC80
DDPP39S		CBL1	DH118		DH142 UEC41 14L7
DDR2	173	EF55	DH142		UBC41 14L7
DDT	2813	H4D NA2	DH147	1055	EBC33 6R7G
DDT	2890	TDD4 H4D	DH149		7C6
DDT2		TDD2A	DH150	3882	EBC41 6CV7
DDT4	2813	TDD4	DH719		EABC80 6AK8
DDT220		TDD2A	DH791		3AFP1
DDX52	2232		DH817		DH150
DE5	2891		DK1	2910	
DET5B	2892		DK2		1AC6 1C2
DEQ	1156		DK20		GC10D
DER	1642		DK32	1802	1A7
DET1SW	2895		DK91	782	1R5 1C1
DET3	1034		DK92		1AC6 1C2
DET5	1223		DK96		1AB6 1C3
DET6	1620	4094A	DL	1661	
DET9	2899		DL2	2911	
DET10	2900		DL29		3D6
DET12	1288	4304CB	DL33	819	3Q5GT
DET16	1363	B150	DL35	1805	1C5
DET18	419	35T	DL36		1Q5GT
DET19	18	RK34 2C34 4074A	DL63	2912	6R7
DET20	6	E1148	DL64	2331	
DET22	273	TDO3-10	DL66	2106	
			DL68	2259	

TYPE	CV No.	EQUIVALENTS	TYPE	CV No.	EQUIVALENTS
DL69	2105		E88CC	2492	6922
DL70	2105	6373	E90CC		5920
DL71	385	CK502AX	E90F		6BH6
DL72	387	CK506AX	E91AA		5726
DL73	2299		E91H		6687
DL74M		12Q7GT	E91N	4018	PL5727 2D21W
DL75	2102		E95F	4010	5654 6AK5W 6096
DL82		7B6	E99F		6662
DL91	783	1S4	E125A		6155 QB3/300
DL92	2370	3S4 1P10	E130L		7534
DL93	2390	3A4	E132	1643	
DL94	2983	3B4 1P1	E133	1645	
DL95	818	N18 3Q4	E180CC		7062
DL96		3C4 1P1	E180F	3998	5A/170K 6688
DL98	2240	3B4	E181CC		7118
DL620	2238	5676 XFR3	E182CC	5766	7119
DLS	190	Z530331	E188CC	5354	7308
DLS10	979	Z530331	E255		FM202
DLS19	342	Z530333	E250A	2131	6156 QB35/750
DM6	2146		E446	1282	SP4
DM70	2980	1M3	E707		LK7110
DM71		1M1	E900		TB4/100
DM160		6977	E960	1058	VT58A
DN143		EBL21	E960T	1098	E1235
DO24		PX25	E1024	1184	A373
DO26	1178	440XP DO26	E1046	1090	8011
DO30	1178	DA30	E1097	1111	U27 R11 V1907
DO42		Pen4DD	E1132	1111	V1907 U27
DO60	1206	BS60 M205-60	E1143	1577	KT44
DP7-5	5171	3ALP7	E1148	6	DET20
DP7-91		3AFP1	E1155	44	
DP13-34	5125	3ADP7 5ADP7	E1161	1253	
DP16-22	2498	3AHP7 7AHP7	E1164	1091	EF50
DP61		EF95 6AK5	E1180	1077	EM31
DP495/6		Pen4DD	E1189	1255	
DQZ		DCG4/1000G	E1190	55	
DQ2A	1625	DCG4/1000ED 3B28 AW201	E1191	12	AFH202
DQ4	642	DCG5/5000GB 872A	E1192	1501	TF11
DQ4A	3670	DCG5/5000EG RG4-1000	E1198	38	
DQ6		DCG9/20 6508 869B	E1199	1405	
DQ7		AN205	E1200		TB3/1000G
DQP	1121	T41	E1209	7	
DS103	94		E1226	15	
DT70	798	2E22	E1228	2	
DT436		TDD4	E1229	4	
DV32	88	3A/148J	E1231	52	
DV34	127	3B/401J	E1232	92	4C27
DV40B	228	V246A/1K	E1235	29	
DV55	230	V230C/1D	E1236	69	
DV56	234	V230A/1K	E1242	1510	QV04-7
DW2	1443	RV120/350	E1248	8	E1356
DW3		DW4-350 R2	E1255	40	
DW4		DW4-500 R3	E1267	41	
DW4/350	1796	RV120/350 R1	E1271	57	
DW4/500	1064	RV120/500	E1273	58	
DX144		EC56	E1287	23	
DX145		EC57	E1289	1148	AFH202
DY30		1B3GT	E1297	5	AH221 GU21
DY70	2241	5642	E1320	51	Y65
DY80		1X2A-B	E1323	63	
E1T	5106	6370	E1325	56	
E2D111		AL4	E1331	1510	QV04-7
E80CC		6085	E1335	61	
E80F	2729	6084	E1337	78	
E80L		6227	E1342	64	
E80T		6218	E1355	1433	EC31
E81CC		6201	E1356	8	1248
E81L		6686	E1359	76	
E82CC		6189	E1362	126	
E83F		6689	E1365	114	
E88C		6922			

TYPE	CV No.	EQUIVALENTS	TYPE	CV No.	EQUIVALENTS
E1371	105		E4504/C/16	1517	09D
E1373	99		E4504/E/16	1391	90E64
E1379	79		E4504/M/16	966	
E1411	153		EA50	1092	D61
E1415	115		EA52	5140	6923
E1416	281	X61M	EA76	469	6489
E1417	117		EAA91		6AL5
E1419	154	TDO4-20	EAA901S		5726
E1423	406		EABC80		6AK8 6LD12 6TH
E1429	79		EAC91	137	
E1436	188	7475	EAF42	3883	6CT7
E1453	1646		EB34	1054	6H6
E1457	257	ACT22	EB41	3881	
E1458	168	XD60	EB91	140	6D2 6AL5
E1459	174		EBC3	1428	
E1465	236		EBC21	347	
E1468	172		EBC33	1055	OM4
E1474	78		EBC41	3882	6CV7 6LD3
E1481	192		EBC81		6LD13
E1485	807	3A4 DL93	EBC90	452	6AT6
E1487	208		EBC91	2526	6AV6
1494	191		EBF2	2925	
E1495	259		EBF32	2925	3CV01
E1496	240	ACT24	EBF80		6N8
E1497	215		EBF83		6DR8
E1511	355		EBF89		6DC8 6DF12
E1516	221	TTR31	EBL31	2926	
E1524	338		EBL131	2926	
E1525	290		EC31	1433	
E1531	214		EC50	2927	
E1532	1624		EC52	1137	
E1541	1716		EC53	1197	
E1563	1863	5Z46 R52	EC54	66	HL37
E1591	181	ECC32	EC55	273	5861 TDO3-106
E1599	272	KR6/4	EC70	468	6778
E1606	278	B65	EC71		5718
E1633	456		EC80	1886	6Q4
E1647	288	ACT23	EC81	1565	6R4
E1648	135	EY91	EC90	133	6C4
E1659	543	12SK7	EC91	417	6234 6AQ4
E1706	437	KT67	EC92		6AB4
E1714	408	A1714	ECC31	1285	6N7G
E1769	397	DET24	ECC32	181	6SN7GT
E1860	240	ACT24	ECC33	2821	6SN7
E1935	415	TT15	ECC35	569	6SN7GT
E1938	493	6X4 U78	ECC40	3884	
E1954	25	ES85	ECC81	455	12AT7
E1955	797	2D21 EN91	ECC82	491	12AU7
E1956	261	2T/270K	ECC83	492	12AX7 6U3
E1959	495	ME1401 VX32	ECC84	5281	6CW7
E1996	436	ACT25	ECC85		6L12 6AQ8
E2204	2115	1B3GT	ECC88		16DJ8
E2016	1758	EF92 6CQ6	ECC91	858	6J6
E2018	454	6BA6	ECC189	5331	6ES8
E2095	471	EL70	ECC801S		6201
E2133	2276	2319	ECC802S		6067
E2134	2179		ECC962		E92CC
E2163	491	ECC82 12AU7	ECP82	5065	6U8
E2164	492	12AX7 ECC83	ECH3	2929	
E2221	2277		ECH22	302	
E4103/B/4	1522		ECH33	2930	
E4103/E/4	2205		ECH35	1347	6K8
E4205/B/7	1588	ECR30	ECH42	2888	6CU7
E4025/C/7	1525		ECH81	2128	6AJ8
E4412/B/9	1587	ECR35	ECH83		6DS8
E4412/C/9	2301	902A	ECH113		ECH42
E4412/E/9	1529		ECL80		6AB8
E4412/M/9	1521		ECL82		6BM8
E4504/B/16	1385		ECL84		6DX8
			ECR30	1588	
			ECR35	1587	901A

TYPE	CV No.	EQUIVALENTS	TYPE	CV No.	EQUIVALENTS
ECR57	1587		EL50	2941	
ECR60	1097	1601A	EL70	471	5902 SN947D
ECR75	1787	4C35	EL71		5902
EE17	2957	5557 KG5-500	EL81	2721	6C16
EE866		DCG4/1000G	EL83	2726	6CK6
EE8020	2967		EL84	2975	6BQ5
EF5		EF9	EL85	3526	6BN5
EF8	1713	EF9	EL90	1862	6AQ5
EF9	1427		EL91	136	6AM5
EF22	303	7B7	EL95		6DL5
EF36	1056	OM5	EL360	5830	EL36
EF37	358	5A/157D OM5B	EL821	2127	6CH6
EF37A	5080		EL822	2382	
EF39	1053	6K7GT	EL861		E81L 6686
EF40	3885		ELC3J	5234	TX2/3 5632 8063 2T1011 XR1-1600A
EF41	3886	6CJ5	ELC6J		5632
EF42	3887		ELC6J/A		TX2/6 5684
EF50	1578		EM1	2942	EM1
EF51	1035	QP QTT2	EM4	1434	EM4
EF53	1136		EM31	1077	EM31
EF54	1136		EM34	394	6DC7
EF55	173		EM35	1103	6U5G
EF70	467	6487	EM80	1352	6BR5
EF71	475	5899	EM81	5055	6DA5
EF72	465		EM84		EM840
EF73	466	6488	EM91	797	2D21 20A3
EF74	476	6391	EM840		EM84
EF80	1376	6BX6	EN30	2349	EN30
EF85	1375	6BY7 6F19	EN32	2253	6574
EF86	2901	6267 6F22 6CP8 2729	EN70	474	5643
EF89	5156	6DA6	EN91	797	2D21 20A3
EF91	138	6AM6 6F12	EN92	3512	5696
EF92	131	6CQ6 6F12 9D6	EN93	1949	6D4
EF93	454	6BA6	EQ80		6BET
EF95	850	6AK5	ES15	3853	RS15
EF96		6AG5	ES85	25	4242A 242C UE311 211
EF97		6ES6	ES40A	2563	204A
EF98		6ET6	ES207	3850	RS207
EF183		6EH7	E2850M	1618	TZZ-250
EF730	5831	5636	ES532	3851	RS253
EF731		5899	ES357	27	357A 4357A
EF732		5840	ES450	1207	
EF734		6205	ES833	635	833A TYA-350
EF861	3998	E180F 6688	ES1500	1614	MT13
EFP60	5108		ES1500A	1614	MT13
EH90		6CS6	ESA891	2688	891R
EHA5000	2687	889R 5667	ESA892	701	892R
EHM2	2139		ESA892C	904	892R BR175
EHT1	19	V1901	ESA5000	2687	889R 5667
EHT15		ESU15	ESG250	1031	SG250
EHW3000	2686	889 ESW5000	ESP450	1506	5C/450A
EK2	1426		ESU15		EHT15
EK32	1057		ESU74	74	V1922
EK90	453	6BE6	ESU75	2943	
EL1-1C		3B22	ESU76	2945	
EL1C		3B22	ESU77	2160	A207
EL2	1429		ESU150	2946	
EL3C	822	4B24	ESU200	5	4049D GU20/21
EL5B	2936	4B22	ESU208	1260	
EL22	304		ESU300	2947	AH221 GU21
EL31	2888		ESU450	1259	
EL32	1052	OM9 1637	ESU866	32	DQ2 866A RG3-250A
EL33	2938	6AG6G	ESU872	642	DQ4 872A
EL34	1741	6CA7	ESU1500	2944	
EL35	1269	6L6G	ESU8008		DCG5/5000S
EL36	2940	6CM5	ESW501	1621	
EL37	586	6L6 KT66	ESW5000	2686	889
EL38	450	6CN6	ET3	541	1B3GT R6158A
EL41	3839	6CK5	ET30	1030	T250
EL42	3890		ET51	5277	6700

TYPE	CV No.	EQUIVALENTS	TYPE	CV No.	EQUIVALENTS
ET1000		TB4/800	G5H	2247	
EW2A	2139		G-9		WL868 918
EY51	426	6X2 R12	G10H	2173	MX103
EY70	473	SN954 5641	G10HE	2287	
EY81	5905	6R3	G10/241E	2223	
EY84	2235	6374 R18	G14		WL920
EY86	2966	6S2	G15F		WL927
EY91	135		G20/5D		DQ6
EZ22	346	7Z4	G24	411	
EZ35	574	6X5GT	G24E	2148	GM5B
EZ40	3891	6BT4	G24H	2147	
EZ80	1535	6V4	G48		1163
EZ81	5072	6CA4	G49		1163
EZ90	493	6X4	G50/1G	2208	
F2	2338	1923	G60E	2149	G60E
F60		1163	G75/2D	3798	VR75/30
F123A	2949	T100-1	G75/3G	4030	Q875/60
F129B	2950	129B 3P/270B 3Q/191E	G105/1D	686	VR105/30
F28A	734	228A	G108/1G	1833	OB2
F353	642	872A A4217	G120/1D	438	
F353A	642	872A DQ4	G120/1D	438	
F366A	32	866A	G150/1A	75	4313C 313C
F869B	2723	869B	G150/2D	216	OD3
F872A	642	DQ4	G150/4K	1832	OA2 150G2
F872B	642	4B32 4064B	G180/2D	2029	
F892R	904	892R	G180/2M	395	QS150/45
F/2726	4049	M8180	G210/1C	212	
F/2750	4037	5750	G240/2D	2174	
F/5654	4050	M8180	G400/1K	2194	
F/5750	4037	5750	G400/2G	4047	
F/6057	4035	M8214	G431		DW2
F/6060	4033	M8144	G445B	1651	
F/6061	4045	6BW6 6061	G470		DW2
F/6063	4001	6X4WA	G2080		CY1 UR1C
F/6064	4002	M8140	G4120		DW4-500
F/6067	4034	M8144	G4120N		IW4-500
F/6132	4056	6CH6 6132	GA5A	2647	532
F/6158	4069	13D3 6158	GC10A	2199	
FA13	2952	5628	GC10B/S	2271	Z303C 6482
FA14	2953	5629	GC10/4B	1739	
FA15	298	5626	GD86W	2321	
FC2	1043	210P6 X22	GD86W/S	2321	
FC2A	2954		GD100A/S	188	7475
FC4	2955	15A2 V04	GD100B/S	1070	7475
FC13C	2956	V013	GD120A/S	1110	S130
FG17	2957	5557 TQ2	GD120A/S	45	S130P
FG27A	2958	873	GD150A/S	216	OD3 150L3
FG57	5027	57 5559 XG1-2500	GD150M/S	1832	150C2 OA3
FG67	742	1267 5728	GDT4B	1141	
FG105		105 XGQ2-6400	GET2	743	V611 NE2
FG154		3V/390B	GEX36	2279	
FG235A		PL5552A	GEX45/1	425	2X106G
FG238A		PL5553B	GEX54	448	OA71
FG271		PL5551A	GEX64	2310	
FP54	2960	5740	GEX66	2290	
FVD7	404	HR7	GEX402	2902	
FW4/500	1254	RV200/600	GEX541	5104	
FW4/800	31	U20	GHT1	2203	FX215
FX215	2203	GHT1	GHT2	2418	
FX219	2520	5C22 XH16-200	GL446	3725	GL446A
FX225	1787	4C35 XH8-100	GL446A	932	GL446A
FX227	372	3C45 XH3-045	GL446B	687	GL446B
FX229	3521	5949 XH35-500	GL455	2789	9LP7
FX231	2993	5C32 XH16-200	GL464	3604	2C43 464A
FY		FM24M	GL464A	688	464A GL464A
FZ9011G	2270	90AG	GL471A	3586	1B21A
FZ9011V	2132	90AV	GL532	2647	532
FZ9012G	2133	90CG	GL572		2C39A
FZ9012V	2134	90CV	GL592	1903	592
G1/235G	3524		GL806	2658	806
G1/371K	2224		GL868	2680	868 1P23 918



TYPE	CV No.	EQUIVALENTS	TYPE	CV No.	EQUIVALENTS
GL889R	2687	889R	HA2	1059	955 4671
GL892R	904	892R BR175	HAA91		12AL5
GL918	2692	918	HAD	1419	11D3
GL927		3546PW	HBC80		19T8
GL2050	2565	2050 B2A	HBC90		12AT7
GL8020	2967	8020 8023	HBC91		12AV6
GL8023	933	15E 8023	HD14	1818	1H5G
GLE10000/25/1	1625	DCG4/100ED RG3-250	HD22		TDD2A
GLE20000/2.5/10		6508 DCG9/2	HD24	2985	TDD2A
GLY1		1652M	HD51		0A2
GM1B	2149	G60E	HD52		0B2
GM4	2138		HD203A	2986	203A
GC10D		DK20	HP93	1928	12BA6
GM5	411		HP94	1961	12AU6
GM5B	2148	G24E	HP100	2987	4C22
GN24		DW2	HP130	638	838 RK58
GR1		TV801	HP150		T100-1
GS10C/S	2325	Z502S	HP175		T100-1
GS16S0(80-110)	2694	930	HP200	2988	3C150A
GS16/160	248		HP300	693	
GS16(80-110)	1473		HG2		DQ2A
GS18	242		HK24	941	25T 3C34
GS26	1432		HK24G	789	3C24 25TG
GS46	584	PE7B	HK54	707	4C25
GS47X	405	3546PW 927 5566	HK90		12BE6
GS118	1801		HK254E	2989	
GS146	2692	918	HK357	824	4E27
GS544X	1913		HL2	1673	PM2HL
GT1	2969	849	HL2Met	2991	
GT1A	1143	ME1502	HL2K	1050	PM2HL
GT1C	1128	ME1502	HL4	1173	354V
GT1E	530		HL4X	1037	41MTL ACHL
GT11	435		HL13C	1109	4D1
GTE20000/2.5/10		6508 DCG9/2	HL21	1303	
GTR95M/S	286	SM95	HL21DD	1044	TDD2A
GTR120A/S	45	S130P	HL23	1130	
GTR150M/S	287	SM150	HL23DD	2995	
GU1	1262	RG1-250	HL41	24	
GU5	1072	MU4250	HL41DD	2996	
GU7	2973		HL92	1959	50C5
GU8	1628		HL133	2998	
GU11	532	AW205	HL133DD	2999	
GU12	32	DQ2 866A ESU866	HL210	3500	PM2HL
GU18	1629	RG3-1250	HL210A	1503	
GU20	1435	AH211	HL610	3501	
GU20/21	5	RG4-1250 GU21	HL1320	3502	HL13C 4D1
GU21	5	4049D ESU200 GU21	HLA2	1678	354V
GU50	1072	RG1-240A ESU101	HLB1	1021	21OLF DZ10
GX4W	4005	6063	HLDD/1320	3503	DDT13 11D3
GX402	2902		HM04		6BE6
GXU1	1825	3B28 RR3-250	HN309		PCL82
GXU2	2518	4B32 RR3-1250	HP2	1032	220B FMZB
GXU3	2399	AX228 2G/473C	HP6	138	EF91 6AM6
GXU4/1000		DCX4/5000	HP13S		VP13A
GZ30	2748	5Z4GT	HP210	1322	SP210
GZ31		5U4G	HP215	1322	SP210
GZ32	593	5V4	HP415	1169	9A1 VMP4G
GZ33	378	53KU	HP4101	1124	
GZ34	1377	5AR4	HP4101C	1282	SP4 8A1
GZ37	378	53KU	HP4106	1169	VMP4G 9A1
H2	2977	PM2HL	HP4115	1169	MV5Pen 9A1
H2D	1044	TDD2A	HR1		R10
H12	2978		HR2	261	R10 2T/270K
H30	2979	D5	HR7	404	FVD7
H42	1182	HL4G	HR210	1673	PM2HL
H45	372	BT79 3C45	HT7		XG5-500
H63	1073	6F5G	HT415	3540	5C22
H210	1673	PM2HL	HV18	2988	HP200 NU200
H410	2981		HVR2	1290	SU2150A
H610	2982		HY51B	702	830B UE930B
HA1	1171	A40 AT4	HY61	124	807
			HY75	751	

TYPE	CV No.	EQUIVALENTS	TYPE	CV No.	EQUIVALENTS
HY90		35W4	KS9-20D		723A/B
HY114B	3505		KT2	1118	PM22A
HY615	3506	615 Det20	KT8	1079	
IFW1	1039	1W4 431U	KT8C	1079	
IW2		R2	KT9-150W		55395
IW3	1039	IW4-350	KT24	1334	PM22A
IW3-350	1039	APV4	KT30	3519	
IW4/500	1039	APV4 R3	KT31	3530	
J231AAA		1163	KT32	1287	25L6
JN2-2.5A.5A		7091	KT33		25A6G
JN2-2.5W		7292	KT33C	1503	
JP28-20.2		7090	KT38	1576	VI75A
JP2-2		7091	KT41	1181	7A3
JP2.5		7028	KT42	1175	7A2
JP9-2.5		6972	KT44	1577	VI75A
JP9-7	3676	2142 MAG3	KT44T	1576	VI75A
JP9-7A	370	M508	KT45	1825	
JP9-7D	1866	M503	KT61	1438	6AG6 EL33
JP9-15	3997	2142A MAG4	KT63	1186	6F6G
JP9-50	2852	2156	KT66	1075	EL37 6L6G
JP9-75		6972	KT67	437	
JP9-80	3569	4J52A	KT71		50L6GT
JP9-80A	5018	4J52A	KT81	885	7C5
JP9-250	2284	4J50	KT88		12E13
JP9-250A	3955	4J78	KTW61	1100	
JPT9-01	2420		KTW62	1100	
JPT9-02	2421		KTW63	1195	6K7 6U7
JPT9-60	3560	4J5A1	KTW73	1056	OM5 EF36
K2		DCG4/1000ED	KTW73M	3527	
K3A	410		KTW74M	918	12K7
K7RF4	1808	2J32	KTZ41	3529	
K23B		TDD2A	KTZ63	1074	617G
K30A		PM2HL	KTZ73M	3530	
K30C		PM2HL	KU25	2993	5C22 FX219
K30D		PM2HL	KU45	3875	
K30K		PM2HL	L2	3531	PM2HL
K40N		PM12M	L2/B		PM2HL
K50N		VP2B	L9	328	
K70B		PM22A	L21	3532	PM2HL
K77B		QP22B	L21DD	1308	TDD2A
K80A		FC2	L22DD	3533	
K80B		FC2A	L30	3534	
K301	1261	RX3-120	L63	1067	6J5G
K302	2164		L77	133	EC90 6C4
K305	2263		L210	1021	PM2HL
K307	1871	707B	L410	1152	L410 PM4DX
K308	2283		L600	3537	L600N 6C22
K312	2273		L610	3538	
K322	2791		LD210	502	210LF D210
K324	2304		LG210	1021	D210 L210
K335	2343		LL2	1732	PM2HL
K1051	2849		LN119		UCL82
K1105P2	3736		LN152		ECL80 6AB8
K814024	3514		LN309	5144	PCL83
KB2	3515		LN319		3OPL1
KD21		OA3 VR75/30	LP2	548	220 L2
KD24		OC3 VR105/30	LP2	1023	PM202
KD25		OD3 VR150/30	LP2(Selected)	1304	L2 220
KK2	3516		LP4	1168	ACO44
KR3	218		LP220	1166	LP2 PM2A
KR6/1	116		LS5	1637	
KR6/2	237		LS5A	1637	
KR6/3	238		LS5B	2846	
KR6/4	272		LS5X	1667	
KRN2	87		LS6A	3541	
KRN3	217		LS7	1660	
KST-85		2K26	LS8	1656	
KST-85A		5976	LS9A	1676	
KS9-20	1795	723A/B	LS9B	1676	
KS9-20A	2792	2K25	LS408A	2536	53A
			LS532	3542	

TYPE	CV No.	EQUIVALENTS	TYPE	CV No.	EQUIVALENTS
LS650	391	5B/252M	M8225	4080	75C1
LS731	273	DET22 ME1001	M8232	5029	6J4WA
LZ319		PCF80 9A8	M8234	5082	5725/6AS6W
LZ329		30C1 PCF80	M8237	4049	F/5726
M2H	2886		M8245	4019	6005/6AQJ
M6	2145		MAG8	2380	
M215H	177		MB13-1	5070	5FP11
M500	353		ME41	3565	
M501	76		ME1001	273	TDO3-10
M501A	3660		ME1005	354	TDO3-5
M502	2166	4J50 JP9-250	ME1100	1795	KS9-20 723A/B
M502A	2373	JP9-180	ME1101	3676	2J42 JP9-7
M503	1866	2J42 JP9-70	ME1101A	3997	JP9-15
M505	1747		ME1101D	1866	JP9-7D
M506A	3982		ME1400	432	
M507	69		ME1401	2269	5802
M508	370	JP9-7A	ME1402	2730	5800
M509	3976		ME1403	2348	5889
M510	1827	2J32	ME1500	474	EN70 5643
M511	3953	4J78 JP9-250A	ME1501	2253	6574 EN32
M512	1828	2J36	ME1502	1128	AN1
M513	3528		ME1503	1787	XHS-100 4C35
M518A	1997		MF13-1	3959	5FP7A
M519	1484		MF22-22	3999	
M521	2376		MF22-75	2372	
M523	2412		MF31-55	429	C12R 12AEP26
M525	2365		MF31-95	2328	12T03A PenT139
M526	3676	2J42 JP9-7	MH4	1037	354V
M528	1497		MH4Met	399	NR31
M529	2426		MH41	1505	HLA2 AC2/HL
M536		4J43 4J44	MHD4	3546	DDT4
M537	2281	K308	MHL4	1038	41MLF
M539	2425		MHLD6	1101	
M541		5J26	MHT4	2955	FC4
M542	3611	5586	MKT4	1683	Pen4VA 7A2
M543		7182	ML4	1732	PA1 TT4
M548	5031		ML6	1105	
M549	2424		ML5667	2687	5667 889R
M551	3569	2J42	MM4V	1165	
M8079	4025	6058 QA2404	MM13-10	5164	
M8080	4058	6100 6C4WA	MP31-55	2314	C12R 12AEP26
M8081	4031	6101 6J6WA	MP/Pen	1683	Pen4VA
M8082	4063	N77 EL91	MPT4	1174	Pen4VA 7A2
M8083	4014	6064 S6F12	MPT4K	3552	
M8091	4044	6443	MPT42	2554	111A
M8096	4039	6062	MR4	1611	
M8097	4059	EAC91	MR10	34	
M8098	4048	QS1212	MR75	1142	
M8099	4070	6AQ4	MR300	3557	
M8100	4010	5654 6AK5W	MR300E	3558	
M8122	4007	5726/6AL5W	MS4	1164	
M8124	4035	F/5750	MS4B	3533	SP4
M8136	4003	6067	MS4C		SP4
M8137	4004	6057	MSG/HA		SP4
M8140	4002	F/6064	MSG/LA	1677	SP4
M8141	4036	F/8141	MS/Pen	3561	SP4 8A1
M8142	4054	QS1213	MS/Pen(Clear)	1124	SP4 8A1
M8144	4033	F/6060	MSPen(5Pin)	244	4046A
M8149	4034	F/6067	MS/PenB	1125	
M8157	483	QV04-7	MSP4	1282	SP4
M8161	4015	6065	MSP41	3562	
M8162	4024	12AIT7WA	MS/Pen/T	1129	
M8167	4067	7001	MT4	1610	
M8179	4076	6J2 ECC91	MT9F	1439	
M8180	4050	F/5654	MT9L	1440	
M8190	4066	5783WA	MT11SW	3563	
M8196	4011	5725/6AS6W	MT12	3564	
M8204	4018	5727/2D21	MT12A	1441	
M8216	3987	5644	MT13	1614	ES1500A
M8223	4020	OA2WA	MT14	1442	
M8224	4028	OB2WA			

TYPE	CV No.	EQUIVALENTS	TYPE	CV No.	EQUIVALENTS
MT16	1030	ET30 T250	N308		30P4
MT17	2957	5557 XG5-500	N309		PL83
MT57	5027	5559 XG1-2500	N329		PL82 16A5 30P16
MT105		105 XGQ2-6400	N339		PL81
MT5544	2210	5544 XR1-3200	N359		PL81
MT5545	2215	5545 XR1-6400	N369		PCL82 16A8 30P12
MU1	3567		N379		PL84
MU2	1459		N709		EL84
MU12	1039	IW4-350	N727	1862	EL90 6AQ5
MU12/14	1039	IW4-500	NE2	2976	VG11 GET2
MU4250	1072	GU50 RG1-240A	NE16	651	GL991 CD2005
MV6-5	1976		NE17	359	
MVSG	1165		NE18	360	
MVSPen	3571	VMP4G 9A1	NE19	263	
MVSPenB	3572	AC/YP2	NHP1	310	
MW6-2	1737	3NP4	NL715		PL5557
MW13-35		5FP4A	NO22M		6861
MW13-75		5FP4A	NP90	3607	
MW18-2		CRM71	NSP1	220	631 P1
MW22-3		CRM92 CRM92A	NSP2	2296	
MW22-22	3999		NT2	2213	CC3L
MW31-16		C12FM	NU1	2680	1P23 918
MW31-74		12XP4A C12FM	NU20	1474	CE20 CE25
MW43-69		17BQP4 C17/1A	NU40T2	1076	DA41 T240
MW50-23		21CJP4	NU75H	751	HY75
MW53-80		C21/1A 212K 21CLP4	NU114B	3505	HY114B
MW100		ES85 4242A	NU200	2988	HY18
MX1	25		NU615	3506	615
MX2	1515		O202		FC4
MX40	3576	VO4 15A2 7AHP1	O406		FC4
MX52	306		O1307		FC13
MX57	209		OA2	1832	6073 150L2
MX103	2150		OA2WA	4020	6073 M8223
MX105	2151		OA3	3798	VR75-30
MX107	2152		OA4	752	
MX108	2153		OA70		1N87
MX113		18513	OA73	442	1N616
MX114		18514	OA79		1N541
MY3-275	1252	212E V1505	2-OA79		1N542
MZ05-20	3573		OA81	448	GEX59 GEX55
MX05-60	1206	BS60 DA60	OA85	1354	1N478
MZ1	25	ES85 242C	OA86		1N480
MZ1-75	444		OA87		1N490
MZ1-76	3574		OA91		1N617
MZ1-100	1219	DA100	OA95		1N618
MZ2-200	200		OB2	3799	VR90-30
N14	1803	DL35 1C5	OB2WA	4028	6074 M8224
N16	819	DL33 3Q5	OB3	3799	VR90-30
N17	820	DL92 3S4	OC2.5	1607	
N18	818	DL95 3Q4	OC3	686	VR105-30
N19	2983	DL94 3V4	OC16		2N115
N25		DL96 3C4	OC45	5105	GET873 TK30C
N30		7D5	OC70		2N279
N40		7A2	OC71		2N280
N41	1181	PenA4 7A3	OC72		2N281
N43	1657	40223 3A/110B	2-OC72		2N282
N66	586	EL37	OC73		2N283
N77	136	EL91 6P17 6AM5	OC76		2N284
N78	3711		OD3	216	VR150-30 150C3
N118		N145	OM1	1402	CY31
N119		UL84	OM3	1054	EB34
N142	1977	UL41 45A5	OM4	1055	EB33 6R7
N144	136	EL91 6AM5	OM5	1056	EF36
N147		EL23 6AG6	OM5B		EF37A
N148		7C5	OM6	1063	EF39
N150	3889	EL41 6CK5	OM7		EF39
N151		EL42	OM9	1052	EL32
N152	5077	PL81 21A6	OM10	1581	6K8GT
N153		PL83 15A6	OP41		PenB4
N154		PL82 16A5	OP42		PenA4

TYPE	CV No.	EQUIVALENTS	TYPE	CV No.	EQUIVALENTS
OZ4	517	1003	Pen428	3634	AC4/Pen B4
OZ4QA	692	1003	Pen1340	3635	7D8
P2	1246	PM202	Pen1346	3636	
P2-12		QGE04/20 832A	Pen3520		7D6
P2-40B		829B	PenA4	3638	APP4B 7A3
P6		1163	PenB1	1118	PM22A
P12/250	1168	ACO44	PenB4	3624	GS46
P15		1164	PenDD4020		DDPP39M
P27/500	1040	PX25	RJ8	3640	5556
P41	1408		RJ23	3680	1641
P57	1466		PK150	150	
P61	1066		PL17	2957	TQ2 XG5-500 5557
P215	1019	215P PM2	PL21	797	TQ2 2D21 EN91
P220	3620	P220	PL36		25E5
P220A	1023	PM202	PL81	5077	21A6
P240		PM202	PL82		16A5 30P16
P410	3621	P410 FM4X	PL83		15A6
P415	1154	PM254	PL84		15CW5
P425	1154	PM254	PL522	2520	5G22 FX219
P435		PM24M	PL1265		Z300T
P435/1E	398	715B	PL5632	5234	C3J 8063 2T1011 XR1-1600A
P440N		Pen4VA	PL5684	5234	C3JA 8063 2T1011 XR1-1600A
P441N		Pen4VA	PL6011		C3JA
P460		PX4	PM04	454	6BA6 EF93
P495	1181	PenA4	PM05	850	6AK5 EF95
P535/1E	398	C1111 715B	PM07	138	6AM6 EF91
P552/1E	427	5D12 C1111	PM1A	2977	PM2HL
P610	3622	P610	PM1HF	1673	PM2HL
P625	1208	625P	PM1HL	3641	HL2 21OHL
P807		7293	PM1LF	3642	HLB1 D210
P809		7294	PM2	1019	215P
P810		6198	PM2A	3643	LP2 L2
P811		7295	PM2B	1032	220B
P813		6332	PM2BA	1163	
P816		5820	PM2DL		PM2HL
P817		6474	PM2DX	3645	PM2HL
P882		7389	PM2HL	1050	HL2K
PA1	1689	104	PM3	1151	L410 41OLF
PA20	1732	ML4	PM4DX	1152	41OLF L410
PA40	3623	V503	PM12	1018	215SG 221
PA5021		DCG4/1000G	PM12A	1018	SG215 S2
PABC80		9AK8	PM12M	1041	220VS US2M
PCC84		7AN7 30L1	PM12V	319	
PCC85		9AQ8	PM14	1159	S410
PCC88		7DJ8	PM22	3649	
PCF80		30C1 9A8	PM22A	3647	
PCF82		9U8	PM22D	3578	KT2A
PCL82		16A8	PM24A	1167	
PCL83	5144		PM24D	1237	
PCL84		15DQ8	PM24E	3648	
PD22A	1163		PM202	185	
PD220	1032	220B	PM254	1153	
PD220A	1696	B21 240B	PM256	1208	625P
PE7	3624	GS46	PP2		PM22A
PE8	3625	VS18B0	PP3/250	1168	ACO44 PX4
Pen4DD	519	DDPP4M	PP4		PM24M
Pen4VA	1174	APP4A 7A2	PP5/400	1040	P27/500
Pen4VB		PenA4 7A3	PP6/400		PX25
Pen13C	889	7D8	PP6AS		EL2
Pen25	65	Pen25	PP6BG		EL33
Pen36A	1672		PP13A		7D5
Pen36C	1672	7D6	PP35		7D6
Pen40DD		DDPP39M	PP36	1672	
Pen44	3630		PP60	1075	KT66
Pen45	1407		PP220		PM202
Pen45DD	3631		PP222	1118	KT2
Pen46	1127		PT2	1118	PM22A
Pen220	1118	PM22A	PT4	1181	7A3
Pen220A	1051	22OFT	PP5	3652	
Pen231	3633	PM22D	PT5E	3579	
Pen383	1456	7D6	PT6	3653	SW75Pen

TYPE	CV No.	EQUIVALENTS	TYPE	CV No.	EQUIVALENTS
PT11	3654		QS75/40	1895	6939 VR75/30 OA3
PT15	1104	SW40Pen	QS75/60	434	
PT25	1046		QS83/3	449	85A2
PT41		PM24M	QS92/10	188	7475
PT425	3656		QS95/10	286	95A1
PT425X	1167		QS105/45	422	
PTA	889	7D5	QS108/45	422	
PV05-15	3657		QS150/50	287	SM150 150A2
PV1-35	3658		QS150/30	216	OD3 150C3
PV4		DW4-350	QS150/40	216	VR150/30 OD3 150C3
PV495	1443	DW2	QS150/45	395	BS54
PV4200		DW4-500	QS1200	2225	6354 150B2
PX4	1168	ACO44	QS1202	4052	
PX5	1040	420XP D024	QS1203	4053	
PX25	1040	P27/500	QS1205	3798	VR75/30
PX41	1168	ACO44	QS1206	686	VR105/30
PX230		PM202	QS1207	1832	OA2
PY3-600	1373		QS1208	1833	OB2
PY80		19X3	QS1209	449	85A2 063
PY81		17Z3	QS1210	4020	M8223 OA2WA
PY82		19Y3 U192	QS1212	4048	M8224 OB2WA
PY88		30AE3	QS1213	4054	M8142
PZ1-35	1240		QV03-12	2129	5763
PZ1-75	1221	SW75Pen PT5E	QV04-7	309	
QA75/40	1895	STV70/60	QV04-7R	483	M8157
QA2400	4015	6065 M8161	QV05-25	124	807
QA2401	133	L77 6C4	QV06-20	3523	6146
QA2402	136	N77 EL91	QV1-150	2519	4X150A
QA2403	4014	M8083	QV1-150A	2519	4X150A
QA2404	4025	6058 EB91	QV20-P18	2752	4PR60A
QA2405	415	44A/160M	QY2-100	26	C143 813
QA2406	4024	M8162	QY3-65	1905	4-65A
QA2407	4005	6063 6X4WA	QY3-125	2130	6155
QB2-250	26	813	QY4-250	2131	6156
QB3-300	2130	6155 C1108 Q160-1	QY4-400	5959	C1136
QB3.3-750		6156 C1112 Q400-3	QY4-500A		QBL4/800
QB3-1750		6079	QY5-300W		CW1100
QBL5/3500	5129	6076 ACS4 CR1110	QY5-500	3522	6078
QBW5/3500		6075 CW1100	QY5-3000A	1098	ACS4
QE03-10	2129	5763	QYS50-P40	313	
QE05/40H		6159	R1	1443	APV4
QF196	1078	D1 2B36	R2		IW4-350
QK26	1768	707B	R2/10	97	
QK221	3902	6002	R2/38	98	
QK283	3685		R3	1039	IW4-500
QK284	3686		R3/10	95	
QK338	3903	6410	R3/16	96	
QK353	3737		R4	1796	DW4-350 R2
QK533		N1034	R4A	1074	DW4-500 R3
QK610		N1010	R6A	2775	1163
QMG159	2874	1005	R10	261	2T/270K
QP21	1035	240QP	R11	1111	U27
QP22B	1035	QP22	R12	426	EY51 6X2
QP25	556		R14		PZ30
QP230	1035	QP22B	R15A		1164
QPT2	1035	240QP	R16		1T2
QQE03-12	2798	6360	R17	2218	6157
QQE06-40	424	5894	R186	2235	EY84 6374
QQV02-6		TT23	R19		1X2B
QQV03-10	2798	11E13 TT24	R41		DW4-500
QQV03-20	2799	6252	R42		IW4-350
QQV03-20A	2799	TT20	R52	1863	5Z4G GZ30
QQV04-15	788	832A C180	R243		EC55 5861
QQV04-20	2663	815	R290		K81A
QQV06-40	424	5894	R612G	597	2X2A
QQV06-40A	2797	TT25	R4410	521	
QQV5-P10	2295	3E29	R6015	2354	
QQZ04-15	1838	5895	R6010	2353	
QS70/20	284	75B1 STV70/20	REB614		LK4110
QS75/20	284	75B1	RENS1824		X2818
			RENS1834		X2918

TYPE	CV No.	EQUIVALENTS	TYPE	CV No.	EQUIVALENTS
RG1-204A	1072	MU4250	RX233	3688	2C33
RG1-240A		ESU101	RX233A	793	2C33
RG1-125	1263		RX2235	709	72 3824
RG1-240	1626	GU50	RY12		8020
RG1-250	3667	DCG1-250	RZ		UR1C 1D5
RG3-250	1625	DQ2A ESQ866	RZ1-150	3690	
RG3-250A	32	866A GU12 DQ2	RZ1-250	2853	
RG3-1250	1629	DCG4/5000	S1M2	2134	90CV
RG3-1250A	5	AH221 GU21	S1M5	2155	C512BR
RG4-1000	3670		S1.5/80DV		5552A
RG4-1250	5	GU20/21	S2	1018	215SG 221
RG5-500	1349	4064A	S2A	984	
RG5-12GC		6786 DGG7/100B	S3A	374	
RG1000/3000		DCG5/5000GB DQ4	S4V		SP4 AS4120
RGN4004		G4004	S4VB	1677	MS4B
RHK6332		732A/B	S6P12	4041	
RK18		T50-1	S6P17	4040	
RK20		4052A	S6P33	4064	
RK28	704		S11A		DW2
RK28	3672	4069A	S11D		DW4-350 R2
RK28A	3673	803	S11E2	4060	
RK30	2657	800	S13A	3694	
RK31	3674		S15/5D		TQ6
RK33	875	2C21 1642	S23	3691	215SG 221
RK34	18	4074A	S23Met	3692	SG215 221
RK38	2591		S24	1018	221 215SG
RK47	3677	814	S25A	16	3A/145J
RK48		813 P120-1	S26A	53	3A/146J
RK48A	690		S27A	82	3A/147J
RK51		T50-1	S28A	88	3A/148J
RK49	3679	807	S30A	127	3B/401J
RK57	625	805 T100-1	S30C		ACO44
RK60	3680	1641	S130	1110	GTR120A
RK62	3681		S130P	45	GTR120A
RK63	2589	250TH HK454H	S213		PM12M
RK6112	2116		S215	3695	221 215SG
RKR47	3683		S215A	3696	221
RKR72	709	72 3B24	S215B	1018	221
RKR73	2543	73	S215VM	1028	PM12M
RL7	1136	EP54	S218		SP2
RL16	1137	EC52	S410	1159	PM14
RL17	2957	5557 XG5-500	S420		VP4B
RL18	1197	EC53	S435N		SP4
RL21	797	2D21 EN91	S610	3698	
RL37	66	EC54	S625	1317	
RL57	5027	5559 XG1-2500	S856		OA2
RL1267		1267 Z300T	S860		OB2
RR3-250	1835	3B28 ESU103 GXU1	S1328		SP13
RR3-1250	2518	4B32 GXU2	SAL39	3876	
RR3-1250A	2399	2G/473C GXU3	SC1/350	2456	
RR3-1250B		GXU4	SC1/400	2457	
RS566		3Q/310E	SC1/600	2458	
RS613	1924	5866 TB2.5/300 TY2-125	SC1/800	2549	
RS630		5867 TB3/750 TY4-400	SC1/1000	2460	
RS631	1351	5868 TB4/1250 TY4-500	SC1/1200	2461	
RS685	2130	6155 QB3/300 QY3-125	SC1/1400	2462	
RS686	2131	6156 QB3.5/750 QY4-250	SD2		PM2HL
RS687	3522	6079 QB5/1750 QY3-125	SD6	1989	
RS1002		QB4/1100	SD61	1092	EA50
RS1007	1924	6155 QB3/300 QY3-125	SDR		5555
RS103L1		TBL12/50	SDS		5553B
RS1013W		TBW12/50	SE211C		PM12M
RS1061		5868 TB4/1250	SG215	3702	
RSQ15/5		TQ6	SG215A		PM12M
RV120/250	1064	DW4-500 1561	SG220	1018	221
RV120/350		DW4-350	SG250	1031	ESG250
RV120/500		DW4-500	S1M2	2154	CS12B
RV200/600		U18/20	S1M5	2155	CS12BR
RX3-120	1261		SM95	286	GTR9SM/S 95A1
RX120A		1164	SM150	287	150A2 150B3

TYPE	CV No.	EQUIVALENTS	TYPE	CV No.	EQUIVALENTS
SN947D	471	EL70 5902	SW75Pen	1371	PZ1-75
SN954	473	5641 EY70	SX541	2384	ZS10C
SN956B	2251		SX542	2413	ZS20
SP2	1320	210SPT	SX643	4077	ZS21
SP4	1324	AC/S2 HP4101C	SX644	4078	ZS22
SP4B	3703		T2G9/10E	357	D165747
SP6	136	EF91 8D3 6AM6	T4D	3721	
SP13C	3704	8D3	T6D		EA50
SP40Pen	1104	PT15	T20	3772	V970
SP41	1547		T20G	1047	3B/200B
SP42	1336		T21	3679	RK49
SP61	1065		T40		T50-1
SP210	1332	SP2	T41	3723	
SP215	1320		T55		T50-1
SP220		PM202	T200	3727	H4D 11A2
SP1320		SP13C	T250	1030	ET30
SPT2	1049	210SPT	T300/1		TB3/1000
SPT4A	1282	8A1	T814	2658	806
SRS4452	2799	QQE03/20	T2000	1121	
SS22AF	39		TB2.5/300	1924	5866
SS1971	1604		TB3/750		5867 T3501-1
ST11	188	7475 E1436	TB4/1250	1351	5868
ST90K		Z900T 5823	TB5/2500		7092
STE1000/2.5/15	5027	5559 XG1-2500	TBL2/300		7004
STE1300/01/5	797	2D21 EN91	TBL6/6000	3926	5924
STE2500/6/40		105	TBL7/8000		6961
STE15000/15/45		DCG7/100	TBL12/250		6618
STR108/30		0B2	TBL12/100		6078
STR150/30		0A2	TBW6/600		5923
STV70/20	284	75B1	TBW7/800		6960
STV70/60	1895		TBW12/25		6617
STV85/10	449	85A2 OG3	TBW12/100		6077
STV108/30	1833	0B2 108C1	TD1-100A	2516	2C39A
STV150/30	1832	0A2 150C2	TD2.5-12	688	464A
STV150/200	3709		TD3-12	2932	2C42
STV280/40	1068		TD4-10	2201	E2043
STV280/80	1069		TD6		EA50 2B35
STV280/80A	3712		TDD2A	3726	TDD2A
SU41	1113	U17	TDD4	3727	DDT4 11D3
SU44	261	2T/270K	TDD13C	1419	DDT13 11D3
SU45	371	1966	TD03-5	345	DET23
SU61		EY51 6X2 R12 R12A	TD03-10	273	DET22
SU150	128		TD03-10F	2204	TD03-10F
SU2150A	1290		TD04-20	397	DET24
SU4150A	1134	HVR2	TD05-12	2933	2C46
SV-0A2	1832	0A2 4020	TG30		3C45
SV-0B2	1833	0B2 108C1	TG57		PL5557
SV2C39A	2516	2C39A	TG200B		6268 4C35
SV-2D21	797	2D21 EN91	TG1000		6278 5C22
SV-3B28	1835	3B28	TG3000		5949
SV-3D21A	2659	3D21A	TGRB		872A
SV-3D22	2851	3D22	TH2	1410	
SV-4B32	2518	4B32	TH4A	1194	XA1 20A1
SV4X/150A	2519	4X150A	TH4B	1194	ACTH1
SV-4X150D	3991	4X150D	TH22C		TH29
SV-57	5027	3V390B	TH41	1411	
SV-75/30	3598		TH225		2K25
SV280/40	1068		TH813	26	QB2-250
SV280/80	1069		TH1249		2J49
SV-705A	3587	705A 2T/450E	TH1250		2J50
SV813	26	813 C143	TH1450		4J50
SV-828	631	828	TH1452		4J52
SV-5545	2215	XR1-6400	TH1478		4J78
SV-VR150/30	216	0D3 150C3	TH1526		5J26
SW5	3715		TH1725A		725
SW7	3719		TH2200		K345
SW7	1069		TH2312		TH29
SW10H	1076	DA91 TZ40	TH5021B	32	DCG4/1000G
SW35Pen	1370	FY1/35	TH5021V	1625	DCG4/1000ED



TYPE	CV No.	EQUIVALENTS	TYPE	CV No.	EQUIVALENTS
TH5031	1449	872A	TY4-350	536	4120/AA
TH5031B	1835	DCG5/5000GB 3B28	TY4-500	1351	5868
TH5040		869B	TY5-500		TB4/1500
TH5221		3B28	TY6-800		TB5/2500 7092
TH5221V/B		DCX4/1000	TY6-5000A	3926	5924
TH6011		PL5577	TY6-5000W		5923-TBW6/6000
TH6031		PL5559	TY7-6000A	5239	TBL7/8000 696T
TH6120		PL105	TY7-6000W		TBW7/8000 8268
TH6220		PL5545	TY12-25		TBW12/25
TH6230		PL3C23	TY12-25A		TBW12/25 6618
TH6345		3C45	TY12-50A		6078 TBL12/100
TH6435	1787	6268 4C35 XH8-100	TY12-50W		6077 TBW12/100
TH6522	2520	6276 5C22 HT415 XH16-200	TYA4-500	1889	
TH6907	3521	5949 1907 XH25-500	TZ03-20	1047	3B/200B
TH7020		5551A	TT23		QQVO2-6
TH7030		5552A	TT24		QQVO3-10
TH7040		5553B	TT25		QQVO6-40A
TMC15B	3730		TZ2-250	1618	ES250M
TMC16B	3731		TZ2-300	3741	
TMC20B	3732	405UA	TZ4C		DA41
TP22	1344		TZ20	3742	
TP25	1345		TZ40	1076	DA41 SW40W
TP26	3735		U4	1608	
TQ1/2		3C23 ASG5023	U5	3743	
TQ2		PL17 TH6011 FG17 ASG5017	U6	3744	
TQ2-3	2210	5544 ASG5044A XR1-3200	U10	1443	RV120/350 R1
TQ2/6	2215	5545 C6J TH6020 XR1-6400	U12	1064	DW4-500
TRP4	2378		U14	1064	DW4-500
TRPS	2379		U15	3747	R4A 1561
TRW1	2351		U16	1290	SU2150A
TRW2	2303		U17	1113	
TRW5	2297		U18	1264	FW4-500 451U
TRW7	3539	6024 ATR387	U18/20	31	FW4-800
TS70	798	2E22	U19	187	
TSP4	560		U19/23	187	
TSW05	1288	DET12	U20	31	FW4-800
TSW50	1288	DET12	U21	3751	
TSW50A	1235		U22	3750	
TSY4-500	1889		U23	235	
TT4	1179	41FP ML4	U24	1927	B142
TT10	26	813	U27	1111	V1907
TT11	1501	E1192	U30	3752	
TT12	524		U31	3753	25Z4G
TT15	415	44A/160M	U37	2289	1T2
TT16	2963	C1108	U41	2115	1T2
TT17		PL5557	U43	246	EY51 R12A 6X2
TT18	2666	829B C144	U45		U25
TT20	2799	QQVO3-20	U47		U26
TRR31	221	E1516	U50	1268	5Y3GT 5Z4
TRR31MC	1748		U52	1071	5U4G
TRR21MR	3841	6F1	U54	378	53KU GX37
TRR31MR	1923		U60	4075	
TVO3-10	1573		U70	574	6X5GT EZ35
TVO3-10A	1089		U74		35Z4GT
TV4	1412		U76		35Z4GT
TV101		ESU151	U78	493	6X4 EZ90
TV102	1504	VU504	U82	3919	Z724 7Y4
TV801		4303CB TY1-50	U118		U145
TX2/3	2210	5544	U119		UY85 35A3
TX2/6	2215	5545	U142		UY41 31A3
TX3-200	3739		U143	2862	AZ31
TX4	1194	X41 20A1	U147	574	6X5 EZ35
TX5-400	3740		U149		7Y4
TX12-12		CAT6	U150	3891	EZ40 6BT4
TX41		TH4B	U151	426	EY51 6X2 R12
TXM100		2D21 EN91	U152		PY80 19X3
TY1-50	1288	DET12 8019	U153		PY81 17Z3
TY2-125	1924	5866	U154		PY82 19Y3
TY3-250	1350	5867	U192		PY82 19Y3
TY4-350	635	833A	U201		CY31
			U281		CY31

TYPE	CV No.	EQUIVALENTS	TYPE	CV No.	EQUIVALENTS
U291		PY32	V203A/1K	234	
U301		CY31	V203C/LD	230	
U319		PY82 19Y3	V226	3765	
U381		UY85	V230A/K	299	
U404		31A3	V233A/1K	2190	
U600	3756		V235A/1K	2221	
U709	5072	EZ81 6CA4	V239/1K	5048	
U718	3891	UU9 EX40 6BT4	V240C/2K	2189	
U4020	1267	V30 UR1C 1D5	V241C/1K	5049	
UABC80		DH109 10LD12	V245	1367	
UAF42		12S7	V246A/1K	228	
UBC41		14L7 10LD3	V248A	1366	
UBC81		10LD13	V257	1723	
UBF80		171DDP 17C8	V312	3766	
UBF89		10FD12	V339	3767	
UC92		9AB4	V503	3768	DA30 440XP
UCC85		B109 10L14	V625	93	
UCH42		14K7	V630	201	
UCH81		X119 10C14 19D8	V872	1116	6F32
UCL82		50BM8	V877	3769	
UD2		PM202	V884	131	6CQ6 EF92
UD143	2293	XB1	V885	132	
UD166C	2257	XC11	V887	136	EL91 N77
UE301	621	801	V914	1170	2D4A
UE311	25	4242A ES85	V994A	3797	
UE905	625	805 RK57	V995	3770	
UE938	638	838 RK58	V960	54	
UE945	735	845	V970	3772	
UE966		DCG/1000G 866A	V1010	3773	
UE966A		DCG4/1000G 866A	V1020	3774	
UE972	642	872A	V1021	3775	
UE972A		DCG5/5000GB	V1023	3776	
UE1967		PL5557	V1029	3777	
UF41		12AC5	V1040	987	
UF85		19BY7	V1042	275	
UF89		12DA6	V1043	401	
UL41	1977	45A5	V1047	961	
UL84		10D18 45B5	V1052	441	
UM80		Y119 19BR5	V1063P1	400	
UM85		10M2	V1101	1361	MX05-20
UR1		CY1	V1105	3778	
UR1C	1267	V20 1D5	V1111	1127	Pen46
UR3C	3758		V1120	72	
UU2		R2	V1120B	73	11E3
U33		1W4-350 R2 R3 R1	V1133	276	11E2
UU4	3759	1W4-350 R3	V1135B	345	12E1
UU5	1039	1W4-500 R3	V1135C	277	1963
UU6	1413		V1501	3581	
UU7	3761		V1505	1252	212E MY-275
UU9	1855	EZ40	V1507A	1504	EHT1
UU10		RV200/600	V1901	1504	EHT1
UU12	5072	EZ81 6CA4	V1904	1072	MU4250
UU60/250		1W4-350 R2	V1906	20	
UU120/250		1W4-350 R2	V1907	1111	R11
UU120/350	1796	RV120/350 R2	V1913	1508	U19
UU120/500	1064	APV4 R3	V1920	121	19H1
UV203A	2986	203A	V1922	74	ESU74
UX866		DCG4/1000GB	V1924	100	
UX6653	3592		V1928	261	2T/270K R10
UY41		31A3	V1939	371	19G6
UY85		U381 38A3	V2024	125	
UY807		807	V2030F	349	
V20	764	UR1C	V2046A	486	
V20S		CY1	V2053	403	
V40	2967	8020 RY12-100	VA16	528	
V54		K358	VA35	285	
V70D		T50-1	VA50	2132	90AV
V120	3762		VA201B		K351
V123	3763		VA220		K345
V154		K353	VFO1	80	
			VFO3	81	

TYPE	CV No.	EQUIVALENTS	TYPE	CV No.	EQUIVALENTS
VFT6	2976	6U5G	W76		12K7GT
VFT6	2747	6U5G	W77	131	EF92 9D6 6F21
VG1	2976	NE2 GET2	W81		7H7
VH550		DCG4/100QED	W118		W145
VH550A		DCG4/1000G	W142		UF41 12AC5
VH7400		DCG4/5000GB	W143		EF22 7H7
VH7400A		DCG4/5000EG	W147	1053	EF39
VHT2		FC2	W148		7H7
VHT2A	1043	FC2A	W149		7B7
VHT4	2955	FC4 15A2	W150	3886	EF41 6C15
VHTA	2956	15D1	W719	1375	EF85
VJ5552		PL552A5	W727	454	EF93 6BA6
VLS452	3784	5A/102A	W731D	2538	59
VLS492AG	1527		W739		6F18
VM4V		AS4125	WD30	3810	
VMP4	1169	9A1	WD119		UBF89
VMP4G	1169	9A1	WD142		UAF42 12S7
VMP4Met	1169	9A1	WD150	3883	EAF42 6CT7
VMS4	1165	AS4125	WD709		EBF80
VO2		FC2A	WE12		EM4
VO4	2955	FC4	WE17		5551
VO13		FC13C	WE189		1163
VO13S		FC13	WL17		5551
VP2	3787	VP21	WL631		5559 3V/390A
VP2B	520		WL651		5552A
VP4Met	3788	9A1	WL652		5551A
VP4A	1169	9A1	WL653B		5555
VP4B	3582	AC/VP2	WL655		5553B
VP6	133	EF92 9D6 6CQ6	WL2899416D		1163 VE289
VP13C	3790	9D2	WT210-0001		2D21
VP21	1083	VP210	WT210-0003		WL884
VP23	3792		WT210-0004		WL2050
VP24Met	3793		WT210-0008		866A
VP41	21		WT210-0011		OC3
VP133	1457		WT210-0016		OB3
VP210	3794	VP2	WT210-0038		WL172
VP1322	3796	VP13B 9D2	WT210-0043		5796
VPT2		VP210	WT210-0044		575A
VPT4	1083	VP21	WT210-0045		892
VPT4	1169	9A1	WT210-0047		3C23
VPT4B	1169	9A1	WT210-0051		0A2
VPT210	1083	VP2	WT210-0054		5830
VR75/30	3798	OA3	WT210-0056		PL5559
VR90-30	3799	OB3	WT210-0057		632B
VR90-ST		OB3	WT210-0058		KU676
VR105-30	686	OC3	WT210-0059		677
VR105-MT		OB2	WT210-0063		5685
VR105-ST		OC3	WT210-0066		5665
VR150-30	216	OD3 QS150/40 150C3	WT210-0069		5557
VR150-MT		OA2	WT210-0070		5550
VR150-ST		OD3	WT210-0071		5551A
VS2	3800	PM12M	WT210-0072		5552A
VS18B0	3625	PE8	WT210-0073		5553B
VS24	3802	PM12M	WT210-0074		WL105
VS24/KMet	3803	PM12M	WT210-0075		5822
VS26	161		WT210-0077		5727
VS210		PM12M	WT210-0078		WL182
VS215		PM12M	WT210-0079		105
VX2		VP2B	WT210-0086		833A
VX550A		DCX4/1000	WT210-0091		0A4G
VX7400		DCX4/5000	WT210-0093		5668
W7/1D	2358		WT210-0100		5796
W7/2D	2188		WT210-0116		632B
W17	785	DF91 1T4	WT210-0120		KU610
W21-4	171	210VPT	WT210-0134		678
W21-7	3804	VP21	WT210-0137		502A
W25		DF96	WT210-0141		5796
W30K	3805		WT210-0157		5552A
W31	3806		WT262		2V/400A
W61	100	V1924	WT269		VR105
W63	1183	6K7G 6UT			

TYPE	CV No.	EQUIVALENTS	TYPE	CV No.	EQUIVALENTS
WT272		FL5557 TQ2	XH3-045	372	BT79 3645
WT294		VR150	XH8-100	1787	6268 4C35
WT606		2D21	XH16-200	2520	6279 5C22
WT-T105		892	XH25-500	3521	5949 1907
WT-T106		6011	XL02.0V	1701	
WT-T108		3C23	XL1.5	1720	
WT-T110		5830	XL2V	3831	
WT-T111		5559	XN	14	
WT-T112		632B	XP1.5	176	
WT-T113		KU676	XP2V	1702	
WT-T117		5557	XP4		PX4
WT-T118		105	XR1-12	5957	5855
WT-T119		172	XR1-600	3706	5796
WT-T127		833A	XR1-3200	2210	5544
WT-T132		0A4G	XR1-6400	2215	5545
WT-T141		VR57 VR75/30	XR6	465	EF72
X14		1A7	XR7	466	EF73 6488
X17	782	DK91 1R5	XR8	468	EL70 6K4
X18		DK92 1AC6	XSG1.5V	175	
X20		DK92	XSG2V	3833	
X21	3816	FC2A	XW2V	1703	
X21Met	3817		Y25		1M1 DM70
X22	3818	FC2	Y61	1103	6U5G
X23	1082	220TH	Y63	1103	6U5G
X24	3819	220TH	Y65	51	A1320
X24Met	3820	220TH	Y119		UM80
X25		DK96	Y220	1118	ET2 PT2
X30		1501	Z14		1N5G
X31	3821	2002	Z21	3836	2155G 52
X31Met	3822		Z62	3838	12CS7GT
X41	1460	20A1 ACTH1	Z63		6J7G
X41Met	2833		Z66	3839	6BM6
X42	3576	MH4105 15A2	Z77	138	EF91 8D3 6AM6
X61M	281	6K39 ECH35	Z90	1091	EF50
X63	3825	6ABG	Z142		UF42
X64	1208	6L7G	Z150	3887	EF42
X65	3826	6K8G	Z152	1376	EF80 6BX6 6BW7
X66	1099	AF3	Z203C	2271	GC10B
X71		12K8	Z225		DQ2
X76		12K8	Z303C	2271	QC10B
X77	132	EK90 6BE6	Z239/1G	2187	
X81		7S7	Z300T	1992	1267
X117		5D22	Z319	2276	
X118		X145	Z319/1G	2187	
X119		UCH81	Z329		30F5
X142		UCH42 14K7	Z502S	2325	GC10C/S
X143		ECH21	Z719	1376	6BX6 EF80 6BW7 Z152
X147	1581	ECH35 6K8G	Z729	2901	EF86 6F22
X148		7S7	Z759	5060	
X150	3888	ECH42 6C07	Z800U	2236	
X661	2183		Z801U	2255	
X662	2234		Z803U	2434	6779
X719	2128	ECH81 6AJ8	Z900T	5122	5823
X727	453	EK90 6BE6	Z5823		Z900T
XB1	2293	UD143	ZA1	1175	A41 AP
XB875B		2051	ZA2	1095	4672
XE1	495	5802	ZD17	784	DAF91 1S5
XE2	2202		ZD25		DAF96
XG1-2500		5559	ZD152		6N8 EBF80
XG2-12		255	ZG532	2647	532
XG2-500	1144	BT19	ZG547	372	BT19
XG5-500	2957	FG17	ZP455	2789	9LP7
XG15/10		DCG7/100	ZP477	914	12DP7
XG15/12		DCG7/100B	ZP527	855	6C21
XG25		PL260	ZP572		2C39A
XGQ2-6400		PL105	ZP579	3842	5J29
XGR3	151		ZP584	3843	5J30
XH1.5	3830		ZP590	3844	5J31

SERVICE TYPE	COMMERCIAL EQUIVALENT	SERVICE TYPE	COMMERCIAL EQUIVALENT	SERVICE TYPE	COMMERCIAL EQUIVALENT
AD1	DLS10	ATP4	V248A	CV53	3A/146J
AR4	PM1HF	ATP5	V245	CV54	V960
AR5	P220	ATP7	V266	CV55	E1190
AR6	LP2	ATP10	1062A	CV56	E1325
AR7	4D1	ATP35	PV1-35	CV57	E1271
AR8	HL23DD	ATP75	PT6	CV58	E1273
AR9	PM1LF	ATP100	4069A	CV62	E1046
AR10	TDD2A	ATS25A	807	CV63	E1323
AR11	4019B	ATS70	4282B	CV64	E1342
AR12	4020A	AU1	U18	CV65	Pen25
AR13	B406	AU2	RG250	CV66	RL37
AR14	220RC	AU3	U12/14	CV69	E1326
AR15	220LF	AU3A	1561	CV71	ASGL1M
AR16	220B	AU4	U17	CV72	V1120
AR17	MH4	AU5	V1907	CV73	11E3
AR20	4021B	AU6	GU50	CV74	ESU74
AR21	EBC33	AU8	U22	CV75	4313C
ARD2	D1	AU12	U15	CV76	E1359
ARD4	D42	AU13	524	CV77	K TUBE
ARDD1	10D1	AW2	7475	CV78	E1379
ARDD3	6H6	AW3	S130	CV79	E1429
ARDD5	EB34	AW4	STV280/40	CV80	VFO1
ARH1	6L7	AW5	ME41	CV81	VFO8
ARP1	PT2	AW6	EM31	CV82	3A/147J
ARP2	SP2	CV1	D051	CV84	4033A
ARP3	9D2	CV2	E1228	CV85	V2023
ARP4	SP210	CV3	AFN202	CV86	V1507
ARP5	VP2	CV4	E1229	CV87	KRN2
ARP6	SP4	CV5	4049D	CV88	DV32
ARP7	42MPT	CV6	E1148	CV89	E1380
ARP8	AC4Pen	CV8	E1356	CV90	E1368
ARP9	Pen1340	CV9	AL60	CV92	E1332
ARP9A	7D8	CV12	E1191	CV93	V625
ARP10	PenA4	CV13	BT9B	CV94	DS103
ARP11	TSP4	CV14	XN	CV95	R3/10
ARP12	VP23	CV15	E1226	CV96	R3/16
ARP13	VP210	CV16	S25A	CV97	R2/10
ARP14	2201PT	CV18	DET19	CV98	R2/38
ARP15	KTW63	CV19	EHT1	CV99	E1373
ARP16	6J7	CV20	V1906	CV100	V2D33B
ARP17	6F6	CV21	VP41	CV105	E1371
ARP18	KT24	CV22	BT45	CV108	BM313
ARP19	SP41	CV24	HL41	CV109	9KP5
ARP21	Z62	CV25	4242A	CV110	VS68
ARP22	116/Pen	CV26	813	CV114	E1265
ARP23	MS/Pen	CV27	4357A	CV115	E1415
ARP24	220VPT	CV28	ACT9	CV116	KR6/1
ARP25	KT41	CV29	E1235	CV117	E1417
ARP26	KT44	CV30	4270A	CV118	SP61
ARP33	MSP4	CV31	U20	CV119	XJ
ARP34	EF39	CV32	RG3-250A	CV120	MF
ARP35	EF50	CV33	4077A	CV121	V1920
ARP36	SP61	CV34	MR10	CV122	E1336
ARP37	QP25	CV38	E1198	CV123	E1330
ARP38	KTZ73	CV39	S22AF	CV124	807
ARS7	VS24	CV40	E1255	CV125	2043
ARS8	PM12V	CV41	E1267	CV126	E1362
ARTH2	ECH35	CV42	E1256	CV127	S30A
ARTP1	TP22	CV44	E1155	CV128	SU750
ARTP2	TP25	CV45	S130P	CV129	KRN2A
AT20	MZ05/20	CV46	8011	CV130	KRN3
AT35	DET25	CV49	3B/501A	CV131	9D6
AT37	ACT36	CV51	A1320	CV132	V885
ATS25	807	CV52	E1231	CV133	6C4

SERVICE TYPE	COMMERCIAL EQUIVALENT	SERVICE TYPE	COMMERCIAL EQUIVALENT	SERVICE TYPE	COMMERCIAL EQUIVALENT
CV135	EY91	CV225	ACT17	CV312	ESU74
CV136	7D9	CV228	DV40B	CV313	QSY50-P40
CV137	EAC91	CV229	1336	CV315	TY1-51
CV138	EF91	CV230	DV55	CV319	E1453
CV139	6L34	CV232	MF	CV320	E4103/B/4
CV140	6AL5	CV233	B55	CV321	KT66
CV141	U4B	CV234	DV56	CV324	CV1628
CV142	XP1.5	CV235	U23	CV326	15B
CV143	U3	CV236	E1465	CV327	EF52
CV144	U4	CV237	KR6/2	CV328	L9
CV145	U5	CV238	RK6/3	CV329	6F33
CV147	U7	CV240	ACT24	CV335	VCR522B
CV148	U8	CV242	GS18	CV336	VCR522C
CV149	U7	CV243	4045A	CV337	27M1
CV150	PK150	CV244	AF2	CV338	E1524
CV152	GU21	CV245	4328D	CV339	24B2
CV153	E1411	CV248	GS16	CV342	DL519
CV154	E1419	CV249	4019A	CV343	V894
CV155	E1190	CV250	CMG25RS	CV344	E1323
CV158	KR3	CV251	MX57	CV345	12E1
CV159	AL1	CV252	ACR22	CV346	EZ22
CV160	E1342	CV253	CS3A	CV347	EBC21
CV161	E1342	CV254	9LO1A	CV349	V2030E
CV162	5Z094	CV256	NS2	CV350	E1368
CV163	5744WA	CV257	ACT22	CV352	EBC33
CV164	CG3E	CV258	E1273	CV353	M500
CV165	CS36A	CV259	E1495	CV354	ME1005
CV166	GEX54/3	CV260	SP61	CV355	E1511
CV167	TY4/500B	CV261	R10	CV356	E1511
CV168	XD60	CV262	9MP6	CV357	DL65747
CV169	XD61	CV263	VX3026	CV358	EF37A
CV170	12SF7GT	CV264	AP1188	CV359	NE17
CV171	210VPT	CV265	19E2	CV360	NE18
CV172	E1468	CV266	E1336	CV361	5B/700A
CV173	EF55	CV267	E1336	CV363	VX363
CV174	E1459	CV268	E1330	CV366	6AG7
CV175	XSG1.5	CV269	VCR97	CV367	1N21B
CV176	XP1.5	CV271	V986	CV368	9-3
CV177	813	CV272	KR6/4	CV369	1B35
CV178	E1458	CV273	5861	CV370	2J42
CV180	KR4	CV275	V1042	CV371	19G6
CV181	ECC32	CV276	11E2	CV372	3C45
CV182	E1488	CV277	19G3	CV374	S3A
CV185	PM202	CV278	E1606	CV375	EA50
CV186	E1342	CV279	NG16	CV377	V1135C
CV187	U19	CV281	X61	CV378	53KU
CV188	7475	CV282	E4504/M/16	CV379	ACT19
CV189	BS4	CV283	6AL5	CV380	EF54
CV190	DLS10	CV284	STV30/20	CV381	VX4024
CV191	E1494	CV285	VA35	CV382	T24/40JA
CV192	E1481	CV286	QS95/10	CV383	T24/40JB
CV199	NT99	CV287	ACT23	CV384	DET5
CV200	MZ2-200	CV288	ACT23	CV385	DL71
CV201	V630	CV289	G400	CV386	DF70
CV202	YF	CV290	E1527	CV387	DL72
CV207	AC/P4	CV292	E1481	CV388	VX4055
CV208	1487	CV293	CV497	CV389	VCRX210
CV209	MX57	CV295	BS54	CV391	5B/255M
CV211	V2030B	CV296	DDR2	CV392	VCRX241
CV212	LS594	CV298	FA15	CV393	VX7026
CV214	E1531	CV299	V230A/1K	CV394	EM34
CV215	E1497	CV302	ECH22	CV395	QS150/45
CV216	VR150/30	CV303	EF22	CV396	VCRX245
CV217	KRN3	CV304	EL22	CV397	DET24
CV218	KRN3	CV305	EF51	CV398	715B
CV290	E1046	CV306	MX52	CV399	MH4
CV220	631/P1	CV307	QV04-7	CV400	3E7
CV221	E1516	CV309	QV04-7	CV401	V1043
CV222	E1489	CV310	NHP1	CV402	BS68
CV223	KRN2A	CV311	54/444	CV403	FVD7
CV224	KRN2A			CV404	8R7
				CV405	927

SERVICE TYPE	COMMERCIAL EQUIVALENT	SERVICE TYPE	COMMERCIAL EQUIVALENT	SERVICE TYPE	COMMERCIAL EQUIVALENT
CV406	E1423	CV482	A237	CV553	25L6
CV408	A1714	CV483	QV04-7R	CV554	D63
CV409	A1820	CV484	DL92	CV555	25Z5
CV410	K3A	CV486	V2046A	CV556	QP25
CV411	GM5	CV487	6RT/51	CV557	D42
CV412	A800	CV488	BS90	CV558	25Z6
CV413	G150/2D	CV489	BT75	CV559	25Z6
CV415	TT15	CV490	19H5	CV560	TSP4
CV416	6F17	CV491	12AU7	CV561	35L6
CV417	EC91	CV492	12AX7	CV562	35L6
CV418	MX2	CV493	6X4	CV563	DA30
CV419	EC91	CV494	B12	CV564	35Z3
CV420	VCRX277	CV495	5802	CV565	35Z3
CV421	CAT20C	CV496	CG14	CV566	RG-2
CV422	QS108/45	CV498	NE17	CV567	35Z5
CV423	25SN7	CV499	5B/256M	CV568	35Z5
CV424	QQV06-40	CV500	6T7	CV569	ECC35
CV425	CG1-C	CV501	EBF32	CV570	3Q/195E
CV426	EY51	CV502	LD210	CV571	50L6
CV427	5D21	CV503	5W4	CV572	6X5
CV428	5B/254M	CV504	6U5	CV573	6X5
CV429	12AEP6	CV505	MT16	CV574	EZ35
CV430	29C1	CV506	GL8023	CV575	5U4
CV431	85A1	CV507	REL64	CV576	1B26
CV432	ME1400	CV508	4B49	CV578	6A8
CV433	BC1CE	CV509	6V6G	CV579	6A8
CV434	QS75/60	CV510	6V6	CV580	6A8
CV435	GT11	CV511	6V6	CV581	6C5
CV436	ACT25	CV512	6W7	CV582	6C5
CV437	KT76	CV513	4J53	CV583	6G5
CV438	G120/1B	CV514	2J36	CV584	GS146
CV439	22/11BXA	CV515	6Y6	CV585	6C6
CV440	1601ABC	CV516	3GP1	CV586	EL37
CV441	V1052	CV517	0Z4A	CV587	6Q7
CV442	GEX35	CV518	AC/VP1	CV588	6Q7
CV443	CK505AX	CV519	Pen4DD	CV589	6Q7
CV444	MZ1-75	CV520	VP2B	CV590	6SJ7
CV445	5J/180E	CV521	R4410	CV591	6SJ7
CV446	3Q/260E	CV522	7B7	CV592	6SJ7
CV447	4078GA	CV523	12X4	CV593	GZ32
CV448	GEX54	CV524	TT12	CV594	6SH7
CV449	85A2	CV525	12A6	CV595	6SH7
CV450	EL38	CV526	12A6	CV596	2C45
CV451	ET3	CV527	DA60	CV597	2X2A
CV452	6AT6	CV528	VA16	CV598	715C
CV453	6BE6	CV529	12AH7	CV599	1851
CV454	6BA6	CV530	6T1E	CV600	5CP1
CV455	12AT7	CV531	12C8	CV601	5BP1
CV456	E1633	CV532	GU11	CV602	3AP1
CV458	BTR32	CV533	CAT17C	CV603	10
CV459	BTR34	CV534	12J5	CV604	30
CV460	BS48	CV535	12J5	CV605	32
CV461	BS92	CV536	4120/AA	CV606	37
CV462	BS84	CV537	12SA7	CV607	38
CV463	BS82	CV538	12SA7	CV608	41
CV464	9L01A	CV539	G71E	CV609	42
CV465	EF72	CV540	12SC7	CV610	45
CV466	EF73	CV541	1B3	CV611	56
CV467	EF70	CV542	5J23	CV612	57
CV468	EC70	CV543	12SK7	CV613	58
CV469	EA76	CV544	12SK7	CV614	75
CV470	VX8036	CV545	ACSP3	CV615	76
CV471	EL70	CV546	12SQ7	CV616	77
CV472	EF74	CV547	12SQ7	CV617	80
CV473	EY70	CV548	LP2	CV618	83
CV474	5643	CV549	25A6	CV619	84/6Z4
CV475	EF71	CV550	25A6	CV620	211
CV476	T921	CV551	26L6	CV621	801
CV477	5899	CV552	25L6	CV622	802

SERVICE TYPE	COMMERCIAL EQUIVALENT	SERVICE TYPE	COMMERCIAL EQUIVALENT	SERVICE TYPE	COMMERCIAL EQUIVALENT
CV623	803	CV700	12SR7	CV770	1F7
CV624	804	CV701	ESA892	CV771	1G5
CV625	805	CV702	830B	CV772	1G6
CV626	808	CV703	12K8	CV773	1G6
CV627	810	CV704	RK20A	CV774	1H4
CV628	811	CV705	1D5GP	CV775	1LA6
CV629	814	CV706	6U7	CV776	1LB4
CV630	826	CV707	HK54	CV777	1LC5
CV631	828	CV708	161	CV778	1LC6
CV632	829	CV709	72	CV779	1LD6
CV633	829A	CV710	368A	CV780	1LH4
CV634	832	CV711	32	CV781	1LN5
CV635	833	CV712	38	CV782	1R5
CV636	836	CV713	1B27	CV783	1S4
CV637	837	CV714	C6A	CV784	1S5
CV638	838	CV715	6P5GT	CV785	1T4
CV639	843	CV716	8013A	CV786	1T5
CV640	860	CV717	5R4GY	CV787	2A7
CV641	861	CV718	5FP7	CV788	832A
CV642	872A	CV719	2J21A	CV789	3C24
CV643	874	CV720	723A	CV790	2AP1
CV644	875A	CV722	725A	CV791	2B7
CV645	876	CV723	1619	CV792	2C22
CV646	879	CV724	816	CV793	2C33
CV647	884	CV725	1B24	CV794	2D2
CV648	885	CV726	3523	CV795	2D4A
CV649	956	CV727	1N21	CV796	2D13C
CV650	958	CV728	1P66T	CV797	2D21
CV651	991	CV729	5V4	CV798	2E22
CV652	1603	CV730	6A3	CV800	2J22
CV653	1611	CV731	6R6	CV801	2J54
CV654	1612	CV732	6W4GT	CV802	2C26
CV655	1613	CV733	REL8D	CV803	2V3
CV656	1616	CV734	228A	CV804	2V3
CV657	1620	CV735	845	CV805	5OY6
CV658	1622	CV736	905	CV807	3A4
CV659	1625	CV737	906	CV808	3A5
CV660	6AC7	CV738	953	CV809	3A/105B
CV661	6AB7	CV739	3AP1	CV810	3AE
CV662	8012	CV740	5MP1	CV811	1291
CV663	8025	CV741	5LP1	CV812	3B24
CV664	9002	CV742	FG67	CV813	959
CV665	9003	CV743	GET2	CV814	3BP1
CV666	9004	CV744	GET4	CV815	3D6
CV667	9005	CV745	HK24	CV816	3DP1
CV668	35T	CV746	468P1	CV817	3EP1
CV669	279A	CV747	6AC7	CV818	3Q4
CV670	HK645	CV748	725A	CV819	3Q5
CV676	WE726A	CV749	1N23A	CV820	354
CV677	WE761A	CV750	01A	CV821	4A1
CV678	702A	CV751	HY75	CV822	4B24
CV679	703A	CV752	0A4	CV823	7A
CV683	316A	CV753	1A3	CV824	4E27
CV684	274B	CV754	1A4P	CV825	4SHA
CV685	VR150-30	CV755	1A5	CV826	4THA
CV686	OC3	CV756	1A5	CV828	4TPB
CV687	446B	CV757	1A6	CV829	4TPB
CV688	2C43	CV758	1B4P	CV830	4TSP
CV689	700A	CV759	1B5	CV831	5AP1
CV690	RK48A	CV760	1B7	CV832	5AP1
CV691	357A	CV761	1B22	CV833	89
CV692	0Z4	CV762	1C21	CV834	5B/300B
CV693	HF300	CV763	1CA4	CV835	5BP1
CV694	12SG7	CV764	1D4	CV836	5BP4
CV695	700B	CV765	1D7	CV837	12C8
CV696	700C	CV766	1E5GP	CV838	5CP7
CV697	12SJ7	CV767	1F4	CV839	5GP1
CV698	12SJ7	CV768	1F5G	CV840	5H4
CV699	700D	CV769	1F6	CV841	5U4



SERVICE TYPE	COMMERCIAL EQUIVALENT	SERVICE TYPE	COMMERCIAL EQUIVALENT	SERVICE TYPE	COMMERCIAL EQUIVALENT
CV842	5W4	CV916	12H6	CV1021	210LP
CV843	6AB5	CV917	12J7	CV1022	220PA
CV844	6AC5	CV918	12K7	CV1023	230XP
CV845	6AC5	CV919	12SP5	CV1025	DET25
CV846	6AC7	CV920	12SF5	CV1027	210LF
CV847	6AF6G	CV921	12SF7	CV1028	220VSG
CV848	6AG5	CV922	12SK7	CV1029	ESU150
CV849	6AC7	CV923	12SJ7	CV1030	4060A
CV850	6AK5	CV924	12SL7	CV1031	ESG250
CV851	6B4	CV925	12SN7	CV1032	220B
CV852	6C4	CV926	4B35	CV1034	DET3
CV854	6C7	CV927	12Z3	CV1035	QP21
CV855	6C21	CV928	13-4	CV1036	220PA
CV856	6G8	CV929	13SPA	CV1037	MH4
CV857	6H7	CV930	14F7	CV1038	MHL4
CV858	6J6	CV931	15	CV1039	1561
CV859	6J8	CV932	446A	CV1040	PX25
CV860	6K5	CV933	15E	CV1041	PM12M
CV861	6K5	CV934	15R	CV1042	210LF
CV862	6L5	CV936	24A	CV1043	210PG
CV864	6P7	CV937	25A7	CV1044	210DDT
CV865	6SD7	CV938	25AC5	CV1045	X56
CV866	6SJTY	CV939	25B6	CV1046	PT25H
CV867	6SR7	CV940	25B8	CV1047	TZ05-50
CV869	6V5GT	CV941	HK24	CV1048	210SG
CV870	6V7	CV942	25Y5	CV1049	210SPT
CV871	6Z5	CV943	26	CV1050	HL2
CV872	6Z7	CV944	27	CV1051	Pen220A
CV873	6ZY5	CV945	28D7	CV1052	EL32
CV874	7	CV946	28D7	CV1053	EF39
CV875	1642	CV947	31	CV1054	EB34
CV876	7A6	CV948	32L7	CV1055	EBC33
CV877	7A7	CV949	33	CV1056	EF36
CV878	7A8	CV950	E4103/B/4	CV1057	EK32
CV879	7B4	CV951	32A	CV1058	EP60
CV880	7B5	CV952	4081	CV1059	955
CV881	7B5	CV953	32	CV1060	807
CV882	7B6	CV954	20K	CV1061	DET19
CV883	7B8	CV955	4409	CV1062	TY1-50
CV884	7BP7	CV956	4602	CV1064	U12/14
CV885	7C5	CV957	32	CV1065	SP61
CV886	7C5	CV958	26J	CV1066	P61
CV887	7C6	CV959	20K	CV1067	6J5
CV888	7D7	CV960	E4504/B/16	CV1068	STV280/40
CV889	7D8	CV961	NC13	CV1069	STV280/80
CV890	7E5	CV962	E4504/E/16	CV1070	7475
CV891	7E6	CV963	CV1596	CV1071	U52
CV892	7E7	CV964	E4205-B	CV1072	GU50
CV893	7F7	CV966	E4504/M/16	CV1073	H63
CV894	7G7	CV967	E4103/B/4	CV1074	6J7
CV895	7H7	CV979	DSL10	CV1075	KT66
CV896	7K7	CV982	X962106	CV1076	DA41
CV897	7J7	CV983	X961101	CV1077	EM31
CV898	7N7	CV984	S2A	CV1078	D1
CV899	7Q7	CV986	15A	CV1079	KT8
CV900	7R7	CV987	NC13A	CV1080	4307A
CV901	7Y4	CV988	X961101	CV1081	4052A
CV902	7W7	CV989	41D5	CV1082	220TH
CV904	892R	CV995	6AJ5	CV1083	210VTP
CV905	9HP7	CV996	EL32	CV1087	14L
CV906	1602	CV997	3092	CV1088	832
CV907	12A	CV998	2000T	CV1089	TV03-10A
CV908	12A5	CV999	3C22	CV1090	E1046
CV909	12A7	CV1000	4D1	CV1091	EF50
CV910	12A8	CV1001	SU2150A	CV1092	EA50
CV911	12B8	CV1002	E1192	CV1095	954
CV913	12DP7	CV1018	215SG	CV1096	5B/502A
CV914	12DP7	CV1019	PM2	CV1097	ECR60
CV915	12FP7	CV1020	220P		

SERVICE TYPE	COMMERCIAL EQUIVALENT	SERVICE TYPE	COMMERCIAL EQUIVALENT	SERVICE TYPE	COMMERCIAL EQUIVALENT
CV1098	E960T	CV1175	AP4	CV1293	PT6
CV1099	X66	CV1176	AP4	CV1296	MU14
CV1100	KTW62	CV1177	4D1	CV1300	10D1
CV1101	MHLD6	CV1178	DA30	CV1301	6H6
CV1102	BL63	CV1179	ML4	CV1302	D42
CV1103	Y63	CV1180	244V	CV1303	PM1HF
CV1104	PT15	CV1181	KT41	CV1304	LP2
CV1105	ML6	CV1182	H42	CV1305	4D1
CV1106	9D2	CV1183	W42	CV1306	HL23DD
CV1107	15D2	CV1184	A373	CV1307	PM1LF
CV1108	8D2	CV1186	6F6	CV1308	TDD2A
CV1109	4D1	CV1187	D41	CV1309	4019B
CV1110	S130	CV1188	N43	CV1310	KC1
CV1111	V1907	CV1189	AC6Pen	CV1311	B406
CV1112	V1026	CV1190	ACP4	CV1312	220RC
CV1113	U17	CV1191	KTZ41	CV1313	220LF
CV1114	E1024	CV1192	Z62	CV1314	DLS10
CV1116	V872	CV1193	X65	CV1316	4021B
CV1117	41MTL	CV1194	X41	CV1317	5625
CV1118	KT2	CV1195	KTW63	CV1318	VS24
CV1119	DDL4	CV1196	AC5PenDD	CV1319	PM12V
CV1120	SU2150A	CV1197	EC53	CV1320	SP2
CV1121	T41	CV1198	ACP4	CV1321	9D2
CV1122	41MXP	CV1200	202	CV1322	SP210
CV1123	EF8	CV1201	4317	CV1323	VP2
CV1124	MS/Pen	CV1202	304	CV1324	SP4
CV1125	MS/PenB	CV1205	E1007	CV1325	42MPT
CV1126	4SH	CV1206	DO60	CV1326	AC4Pen
CV1127	Pen46	CV1207	ES50	CV1327	Pen1340
CV1128	GT1C	CV1208	PM256	CV1328	7D8
CV1129	MS/Pen	CV1219	MZ1-100	CV1329	PenA4
CV1130	HL23	CV1220	4033L	CV1330	TSP4
CV1131	41DS	CV1221	PZ1-75	CV1331	VP23
CV1133	V960	CV1222	ACT6	CV1332	VP21
CV1134	HVR2	CV1223	DET5	CV1333	220IPT
CV1135	E1148	CV1235	DET12	CV1334	KT24
CV1136	EF54	CV1237	PM24D	CV1335	SP41
CV1137	EC52	CV1238	PM24D	CV1336	SP42
CV1138	E4412/B/9	CV1240	PZ1-35	CV1337	116Pen
CV1140	12MD6	CV1246	PM202	CV1338	220VPT
CV1141	DPQ	CV1250	4279A	CV1339	KT41
CV1142	MR75	CV1252	4212E	CV1340	KT45
CV1143	GT1A	CV1255	E1232	CV1341	MSP4
CV1144	BT19	CV1256	E1232	CV1342	QP25
CV1145	BT9/A	CV1257	E1155	CV1343	KTZ73
CV1147	BT35	CV1259	ESU450	CV1344	TP22
CV1148	E1289	CV1260	ESU208	CV1345	TP25
CV1149	BT41	CV1261	RX3-120	CV1347	ECH35
CV1151	PM3	CV1262	GU1	CV1349	RG5-500
CV1152	PM4DX	CV1263	RG1-125	CV1350	TB3/750
CV1153	PM254	CV1264	U18	CV1351	TB4/1250
CV1155	DEQ	CV1265	U15	CV1352	EM80
CV1156	DEQ	CV1266	U15	CV1353	OA81
CV1158	PM14	CV1267	U4020	CV1354	OA85
CV1159	PM14	CV1268	5Y3	CV1355	ESU300
CV1160	104V	CV1279	MU2	CV1356	U22
CV1161	104V	CV1280	6L7	CV1357	SG250
CV1163	PD220A	CV1281	KTW61	CV1359	ME41
CV1164	ACSG	CV1281	KTW61	CV1361	MZ05-20
CV1165	VMS4	CV1282	MSP4	CV1362	Det25
CV1166	P220	CV1283	SP4	CV1363	DET16
CV1167	PM24A	CV1284	MS/Pen	CV1364	807
CV1168	FX4	CV1285	6N7	CV1365	4282B
CV1169	VMP4G	CV1286	6L6	CV1366	V248A
CV1170	D41	CV1287	KT32	CV1367	V245
CV1171	AT4	CV1288	244V	CV1368	V266
CV1172	VMP4G	CV1289	1561	CV1369	4061A
CV1173	354V	CV1290	SU2150A	CV1370	PV1-35
CV1174	KT42	CV1291	HVR2	CV1371	PZ1-35

SERVICE TYPE	COMMERCIAL EQUIVALENT	SERVICE TYPE	COMMERCIAL EQUIVALENT	SERVICE TYPE	COMMERCIAL EQUIVALENT
CV1372	4069A	CV1451	4274A	CV1553	ESU450X
CV1373	PY3-600	CV1452	4300A	CV1565	230XP
CV1374	807	CV1453	4378	CV1567	2C25
CV1375	EF85	CV1454	225DU	CV1568	4062A
CV1376	EF80	CV1455	411U	CV1569	R3
CV1377	GZ34	CV1456	Pen383	CV1570	EK32
CV1379	20K	CV1457	VP133	CV1571	VT58A
CV1380	20K	CV1458	41MP	CV1572	807
CV1382	ACR10	CV1459	MU2	CV1573	4074B
CV1384	41DS	CV1460	X41	CV1574	SP41
CV1385	E4504/B/16	CV1461	U22	CV1575	VU71A
CV1386	ACR3	CV1462	A915	CV1576	KT38
CV1387	ACR4	CV1463	CBL31	CV1577	E1143
CV1388	ACR5	CV1464	EF39	CV1578	EF50
CV1389	ACR6	CV1466	P57	CV1579	954
CV1390	ECR35	CV1467	PY3-600	CV1580	E1235
CV1391	E4504/E/16	CV1468	SP4	CV1581	ECH35
CV1393	ACR17	CV1469	Z22	CV1582	S130
CV1394	ACR18	CV1470	3P/270B	CV1585	T41
CV1397	E4504/M/16	CV1471	4049A	CV1586	HL23
CV1400	C1C	CV1472	CMG25	CV1587	ECR35
CV1401	CL33	CV1473	CMG25	CV1588	ECR30
CV1402	CY31	CV1474	CE20	CV1592	E4504/C/16
CV1403	DD41	CV1475	M501	CV1596	091
CV1404	EF36	CV1476	M507	CV1597	E4103/B/4
CV1405	E1199	CV1477	M507	CV1598	41DS
CV1406	HL41	CV1478	M501	CV1600	CAT1
CV1407	Pen45	CV1479	M501	CV1601	CAR1
CV1408	P41	CV1480	M501	CV1602	CAR4
CV1409	SP2	CV1481	M501	CV1603	4104A
CV1410	TH2	CV1482	M501	CV1604	SS1971
CV1411	TH41	CV1483	M519	CV1605	4013C
CV1412	TV4	CV1484	M519	CV1606	CAT2
CV1413	UU6	CV1485	M519	CV1607	OC2.5
CV1414	VP41	CV1486	M519	CV1608	U4
CV1415	4011A	CV1495	M528	CV1609	SW7
CV1417	ES85	CV1496	M528	CV1610	MT4
CV1418	10D1	CV1497	M528	CV1611	MR4
CV1419	11D3	CV1498	M528	CV1612	VT9B
CV1420	4078A	CV1499	M528	CV1614	ES1500A
CV1422	3D/10A	CV1500	M528	CV1615	ESU1500
CV1423	9D2	CV1501	E1192	CV1618	ES250M
CV1424	20A1	CV1502	KT32	CV1619	4212E
CV1425	7D5	CV1503	KT33C	CV1620	DET6
CV1426	EK2	CV1504	V1901	CV1621	ESW501
CV1427	EF9	CV1505	MH41	CV1622	4052A
CV1428	EB33	CV1506	ESP450	CV1623	RGL250
CV1429	EL2	CV1508	V1913	CV1624	P21-75
CV1430	ACSP3	CV1510	E1242	CV1625	RG3-250
CV1431	ACT16	CV1515	MX1	CV1626	RG1-240A
CV1432	CMG8	CV1517	E4504/C/16	CV1627	5D/100A
CV1433	EC31	CV1518	09D	CV1628	GU8
CV1434	EM4	CV1519	V1042	CV1629	RG3-1250A
CV1435	GU2	CV1521	E4412/M/9	CV1630	ESP450
CV1436	HL2	CV1522	E413-B4	CV1632	1N82
CV1437	E1143	CV1525	E4205/C/7	CV1633	3V4
CV1438	KT61	CV1526	3EG1	CV1634	XB2
CV1439	MT9F	CV1527	VLS492AG	CV1635	5A/163K
CV1440	MT9L	CV1529	E4412/E/9	CV1636	LS5
CV1441	MT12A	CV1530	6LY1	CV1637	LS5
CV1442	MT14	CV1535	EZ80	CV1638	4101D
CV1443	R1	CV1536	1608ABA	CV1639	4101E
CV1444	42SPT	CV1537	3ACP2	CV1640	4002D
CV1445	4012A	CV1538	5J32	CV1641	4102E
CV1446	4107B	CV1539	D15	CV1642	DER
CV1447	4030D	CV1540	33B/152M	CV1643	E132
CV1448	4043C	CV1543	12MD6	CV1644	E1532
CV1449	4064B	CV1546	12MD6	CV1645	E133
CV1450	4227A	CV1552	VX3B	CV1646	E1453

SERVICE TYPE	COMMERCIAL EQUIVALENT	SERVICE TYPE	COMMERCIAL EQUIVALENT	SERVICE TYPE	COMMERCIAL EQUIVALENT
CV1647	LS5B	CV1719	U22	CV1793	724B
CV1648	4205E	CV1720	XL1.5	CV1794	959
CV1649	6C5	CV1721	XP1.5	CV1795	723A/B
CV1650	LS5A	CV1722	A901	CV1796	DW4
CV1651	G455B	CV1723	V257	CV1797	4081A
CV1652	P220A	CV1724	5A/102D	CV1798	2051
CV1653	KC1	CV1726	5A/105A	CV1799	350B
CV1655	4019B	CV1727	Z22	CV1800	1A7
CV1656	LS8	CV1728	WE262B	CV1801	GS118
CV1657	4020B	CV1731	S130	CV1802	1A7
CV1658	LS9B	CV1732	ML4	CV1803	1C5
CV1659	4022B	CV1733	4108AG	CV1805	DL35
CV1660	LS7	CV1734	3Q/213E	CV1806	1D5
CV1661	DL	CV1735	DC2P	CV1807	2J31
CV1662	P215	CV1737	MW6-2	CV1808	2J32
CV1663	4021B	CV1738	R5161	CV1809	2J33
CV1664	B406	CV1739	GC10/4B	CV1810	3J34
CV1665	DH	CV1740	GS12C	CV1811	1D8
CV1666	P610	CV1741	EL34	CV1812	1E7
CV1667	LS8A	CV1742	BK44	CV1813	2DP1
CV1668	4033L	CV1743	BS64	CV1814	5LP1
CV1669	P625	CV1744	15L01A	CV1815	6Q5
CV1670	HL1320	CV1745	62BT	CV1816	6Y3
CV1671	4021A	CV1746	30C12P1	CV1817	1G4
CV1672	Pen36C	CV1747	M505	CV1818	1H5
CV1673	PM2HL	CV1748	TTR31MC	CV1819	6P5
CV1674	AC/S2/Pen	CV1749	205D	CV1820	1H5
CV1675	N43	CV1750	33A/100A	CV1821	1N5
CV1676	LS8A	CV1751	34	CV1822	2J48
CV1677	AS52	CV1752	35	CV1823	1N5
CV1678	HLA2	CV1753	35A5	CV1824	1Q5
CV1679	DA30	CV1754	35TG	CV1825	KT45
CV1680	PM202	CV1755	1626	CV1826	1Q5
CV1681	TSP4	CV1756	1629	CV1827	M510
CV1683	MKT4	CV1757	9001	CV1828	M512
CV1684	APP4C	CV1758	1L4	CV1829	1T5
CV1685	APP4C	CV1759	2C26A	CV1830	1B3
CV1686	D418	CV1760	2J26	CV1831	2A3
CV1687	D418	CV1761	3FP7	CV1832	0A2
CV1688	4033L	CV1762	6AK6	CV1833	0B2
CV1689	PA1	CV1763	6J4	CV1834	2A5
CV1690	9A1	CV1764	CE2	CV1835	3B28
CV1691	DDL4	CV1765	5664	CV1836	4B26
CV1692	AC/P	CV1766	CX25	CV1837	2B7
CV1694	3A/144A	CV1768	7076	CV1838	QQZ04-15
CV1695	DH30	CV1769	2A6	CV1839	6F13
CV1696	B21	CV1770	7A4	CV1841	BS52
CV1697	X41	CV1771	39/44	CV1842	2G
CV1698	A819	CV1772	47	CV1843	2Y2
CV1699	SP41	CV1773	82	CV1844	GS3/B
CV1700	SP41	CV1774	112A/12A	CV1846	5T4
CV1701	XL0	CV1775	36	CV1847	19H4
CV1702	XP	CV1776	6D7	CV1848	20A2
CV1703	XW	CV1777	7C7	CV1849	5W4
CV1704	57	CV1778	101D	CV1850	6L19
CV1705	58	CV1779	102D	CV1851	5X4
CV1706	2B7	CV1780	30TWIN	CV1852	5X4
CV1707	2A5	CV1781	310B	CV1853	6P25
CV1708	80	CV1782	340A	CV1854	5Y3
CV1709	6D6	CV1783	9JP1	CV1855	UU9
CV1710	6C6	CV1784	6AK7	CV1856	5Y3
CV1711	6B7	CV1785	1N26	CV1857	5Y4
CV1712	42	CV1786	3K33	CV1858	BS62
CV1713	EF8	CV1787	4C35	CV1859	BS4A
CV1714	EF9	CV1788	3J31	CV1860	30D5
CV1715	EBC3	CV1789	5FP14	CV1861	5Z3
CV1716	E1541	CV1790	7Z4	CV1862	6AQ5
CV1717	4307A	CV7091	5LP1	CV1863	5Z4
CV1718	ACTP	CV1792	1960	CV1864	5Z4

SERVICE TYPE	COMMERCIAL EQUIVALENT	SERVICE TYPE	COMMERCIAL EQUIVALENT	SERVICE TYPE	COMMERCIAL EQUIVALENT
CV1867	6A6	CV1943	6K7	CV2127	6CH6
CV1865	6R4	CV1944	6K8	CV2128	6AJ8
CV1868	5T01A	CV1945	6K8	CV2129	5763
CV1869	12T01A	CV1946	6K8	CV2130	TT16
CV1870	6A7	CV1947	6L6	CV2131	5022
CV1871	K307	CV1948	6L6	CV2132	90AV
CV1873	6AB7	CV1949	6D4	CV2133	90CG
CV1876	1852	CV1950	6L7	CV2134	90CV
CV1878	6AD7	CV1951	6L7	CV2135	8D5
CV1879	HP4101	CV1953	6N6	CV2136	6BW6
CV1880	7BM1A	CV1954	6N6	CV2137	E4504/M/16
CV1882	6AG7	CV1955	EF91	CV2138	GM4
CV1883	4H/180E	CV1956	6N7	CV2139	EHM2
CV1884	33A/158M	CV1957	6N7	CV2140	B6
CV1885	6B5	CV1958	6N7	CV2141	B6E
CV1886	EC80	CV1959	50C5	CV2142	B12E
CV1887	6B6	CV1960	6R6	CV2143	B24
CV1888	EC81	CV1961	12AU6	CV2144	B24E
CV1889	TSY4-500	CV1962	6R7	CV2145	M6
CV1891	6B7	CV1963	6R7	CV2146	DM6
CV1892	2K28	CV1964	6R7	CV2147	G24H
CV1893	6B86	CV1965	ET30	CV2148	GM5B
CV1894	6B8	CV1966	6SA7	CV2149	GM1B
CV1895	STV/70/60	CV1967	6SA7	CV2150	MX103
CV1896	6C8	CV1968	CWS24A	CV2151	MX105
CV1897	4J34	CV1969	6SC7	CV2152	MX107
CV1898	4J35	CV1970	6SC7	CV2153	MX108
CV1899	6L18	CV1971	1T4	CV2154	S1M2
CV1900	6D6	CV1972	6SF5	CV2155	S1M5
CV1901	6F11	CV1973	6SF5	CV2159	BR153
CV1902	6D8	CV1974	6S7	CV2160	ESU77
CV1903	592	CV1975	6S7	CV2161	K301
CV1904	CAA322	CV1976	MV6-5	CV2163	ACT28
CV1905	4-65A	CV1977	UL41	CV2166	4J50
CV1906	6E5	CV1978	6SG7	CV2171	A2087
CV1907	CS2-C	CV1979	61BF	CV2173	G10H
CV1908	6F5	CV1980	185BT	CV2174	G240/2D
CV1909	6P5	CV1981	6SK7	CV2175	DG7-5
CV1910	6F5	CV1982	6SK7	CV2179	A2134
CV1911	6F6	CV1984	6SC7	CV2180	19H4
CV1912	6F6	CV1985	6SL7	CV2181	BS104
CV1913	GS44X	CV1986	6SN7	CV2183	X661
CV1914	4J31	CV1988	6SN7	CV2185	88D
CV1915	6F7	CV1989	SD6	CV2187	Z239/1G
CV1916	3B/151A	CV1990	6SQ7	CV2188	W7/2D
CV1917	6F8	CV1991	6SQ7	CV2189	V24C/2K
CV1918	6F8	CV1992	1267	CV2190	V233A/1K
CV1919	6F4	CV1993	6SS7	CV2191	DK13/2
CV1920	6LD20	CV1995	6ST7	CV2192	9MW5AX
CV1921	U24	CV1996	6ST7	CV2193	89D
CV1923	TTR31MR	CV1999	1V	CV2194	G400/1K
CV1924	TY2-125	CV2000	5A/159M	CV2195	EF91
CV1926	6G6	CV2006	EF55	CV2199	GC10A
CV1927	B142	CV2029	G180/2G	CV2201	E2043
CV1928	12BA6	CV2101	DF72	CV2202	XE2
CV1929	6H6	CV2102	DL75	CV2203	GHT1
CV1930	6H6	CV2103	DF73	CV2204	TD03-10F
CV1931	6H6	CV2104	DAF70	CV2205	E4103/E/34
CV1932	6J5	CV2105	DF70	CV2208	G50/1G
CV1933	6J5	CV2106	DL66	CV2209	6F33Special
CV1934	6J5	CV2107	DF66	CV2210	5544
CV1935	6J7	CV2108	9M06A	CV2212	13D3
CV1936	6J7	CV2109	VX4099	CV2213	NT2
CV1937	6J7	CV2110	E2004	CV2214	3B/240M
CV1938	6K6	CV2115	U41	CV2215	5545
CV1939	37X50	CV2116	VX5029	CV2216	30E8/P1
CV1940	6K6	CV2124	BK24	CV2217	6K25
CV1941	6K7	CV2125	BD78	CV2218	6157
CV1942	6K7	CV2126	3V/42DB		

SERVICE TYPE	COMMERCIAL EQUIVALENT	SERVICE TYPE	COMMERCIAL EQUIVALENT	SERVICE TYPE	COMMERCIAL EQUIVALENT
CV2220	5B/257M	CV2325	Z502S	CV2506	41MPT
CV2221	V235A-1K	CV2328	MF31-35	CV2507	1U4
CV2223	G10/241/K	CV2329	4004B	CV2508	41STH
CV2224	G1/371K	CV2331	DL64	CV2509	41FP
CV2225	150B2	CV2338	F2	CV2510	1Z2
CV2229	M502A	CV2343	K335	CV2511	420T
CV2231	E2266	CV2347	5B/258M	CV2512	420TDD
CV2232	DDX52	CV2348	5826	CV2514	43
CV2233	G5H	CV2349	EN30	CV2516	2C39A
CV2234	X662	CV2352	DG16-21	CV2517	2E30
CV2235	ET84	CV2353	R61010	CV2518	4B32
CV2236	Z800U	CV2354	R6015	CV2519	4X150A
CV2237	1AD4	CV2358	WT/1D	CV2520	5C22
CV2238	5672	CV2360	5A6	CV2521	6AH6
CV2239	5676	CV2361	DL69	CV2522	6AS6
CV2240	3B4	CV2362	M525	CV2523	6AS7G
CV2241	DY70	CV2363	M525	CV2524	6AU6
CV2243	PSG8	CV2364	M525	CV2525	6AV6
CV2245	3J/160E	CV2365	M525	CV2526	6AV6
CV2246	DDX52	CV2367	M525	CV2527	6BA7
CV2247	G5H	CV2368	M525	CV2528	45DS
CV2253	ME1501	CV2369	AA76	CV2529	451U
CV2254	5678	CV2370	3S4	CV2530	45Z5
CV2255	Z801U	CV2371	DF61	CV2531	46
CV2256	X662	CV2372	MF22-75	CV2532	49
CV2257	UD166C	CV2373	M502A	CV2533	50
CV2258	C43B	CV2374	GD60	CV2534	50L6
CV2259	DL68	CV2375	GD100	CV2535	52
CV2260	DF64	CV2376	M521	CV2537	55
CV2263	K305	CV2382	EL822	CV2538	59
CV2266	CC3L	CV2383	BR191	CV2539	61P
CV2269	ME1401	CV2384	ZS10C	CV2540	63D
CV2270	9OAG	CV2389	CXT1	CV2541	71A
CV2271	GC10B	CV2390	3A4	CV2542	72
CV2273	K312	CV2393	BA9-20	CV2543	73
CV2274	BS114	CV2394	DA42	CV2544	78
CV2275	DC70	CV2399	2G/473C	CV2545	79
CV2276	Z319	CV2400	CXT2	CV2546	81
CV2277	13E1	CV2412	M253	CV2547	83V
CV2281	M537	CV2413	SX642	CV2548	84
CV2282	K308	CV2414	XC305/1	CV2549	85
CV2283	VX7069	CV2416	C1133	CV2550	100T
CV2284	4J50	CV2418	GHT2	CV2551	100TH
CV2286	E4412/E/9	CV2420	JPT9-01	CV2552	100TH
CV2287	G10H	CV2421	JPT9-02	CV2553	101F
CV2288	DL66	CV2424	M549	CV2554	111A
CV2289	U37	CV2425	M539	CV2556	117L7
CV2290	GEX36	CV2426	M529	CV2557	117N7
CV2291	1909A	CV2428	25110	CV2558	117Z6
CV2293	XB-1	CV2431	DG7-32	CV2560	2J51
CV2295	3E29	CV2432	6025	CV2561	122A
CV2296	NSP2	CV2433	DF63	CV2562	164V
CV2299	DL73	CV2434	6779	CV2563	204A
CV2300	3A4	CV2449	7182	CV2565	2050
CV2301	E4412/C/9	CV2450	7182	CV2566	205E
CV2302	1CP1	CV2451	7182	CV2567	205F
CV2304	K324	CV2452	7182	CV2569	210DET
CV2306	BS122	CV2473	JP9-250F	CV2570	210HF
CV2307	BS120	CV2486	XC18	CV2571	210HL
CV2308	BS116	CV2487	QV2-250B	CV2572	450TH
CV2309	BS118	CV2492	E88CC	CV2573	5651
CV2310	GEX64	CV2493	E88CC/01	CV2574	210VPA
CV2314	MP31-55	CV2497	MG13-11	CV2575	5670
CV2315	C12B	CV2498	DP16-22	CV2576	211SP
CV2316	6260B	CV2500	35Z4	CV2577	26A7
CV2317	6260C	CV2501	40	CV2578	5687
CV2321	GD86W/S	CV2502	41FP	CV2579	218
CV2322	BR161	CV2503	41MH	CV2580	220C
CV2323	BR179	CV2504	41MHL	CV2581	220OT
CV2324	CR176	CV2505	41MPG	CV2582	220VS

SERVICE TYPE	COMMERCIAL EQUIVALENT	SERVICE TYPE	COMMERCIAL EQUIVALENT	SERVICE TYPE	COMMERCIAL EQUIVALENT
CV2584	231D	CV2659	3D21A	CV2743	4033AF
CV2585	39	CV2660	809	CV2744	4J34
CV2586	240B	CV2661	812	CV2745	4050AG
CV2587	242C	CV2662	5639	CV2746	4064A
CV2588	244A	CV2663	815	CV2747	6U5G
CV2589	250TH	CV2664	822	CV2748	5Z4
CV2591	100TH	CV2665	825	CV2749	4081
CV2592	256B	CV2666	829B	CV2750	89J
CV2593	257A	CV2668	846	CV2751	4096AB
CV2594	258B	CV2669	849	CV2752	4PR60A
CV2595	259A	CV2670	849H	CV2753	5684
CV2597	262A	CV2671	851	CV2754	5685
CV2598	264A	CV2672	852	CV2755	4251AX
CV2599	264C	CV2673	852	CV2756	4260A
CV2600	267B	CV2674	863	CV2759	4304
CV2601	271A	CV2675	864	CV2760	430B
CV2602	272A	CV2676	865	CV2761	4304BB
CV2603	274A	CV2678	5799	CV2762	4316A
CV2604	275A	CV2679	866J	CV2764	4606
CV2605	282A	CV2680	868	CV2765	4673
CV2606	284	CV2683	878	CV2766	4687
CV2607	284D	CV2685	880	CV2767	4960
CV2608	300A	CV2686	889	CV2768	8003
CV2609	330A	CV2687	889R	CV2769	9006
CV2610	3030	CV2688	891R	CV2770	13077
CV2611	04TH	CV2689	893R	CV2772	23043
CV2612	307A	CV2690	904V	CV2773	68503
CV2613	310A	CV2691	913	CV2774	68504
CV2614	311A	CV2692	981	CV2775	68506
CV2615	313C	CV2693	10KPT	CV2776	68510
CV2616	314A	CV2694	930	CV2777	4B28
CV2617	323A	CV2695	931	CV2778	2J21A
CV2618	327A	CV2696	931A	CV2779	4B36
CV2619	328A	CV2697	935	CV2786	26J
CV2620	329A	CV2698	5896	CV2788	NT13
CV2621	330B	CV2699	6088	CV2789	9LP7
CV2622	331A	CV2700	957	CV2790	C1K
CV2623	332A	CV2701	958A	CV2791	K332
CV2624	337A	CV2704	7E5	CV2792	2K25
CV2625	338A	CV2705	1203	CV2793	2J50
CV2626	346A	CV2706	7C4	CV2794	C10SS/2G
CV2627	349A	CV2707	1231	CV2795	1L4
CV2628	349B	CV2709	1R4	CV2796	6L6WGB
CV2629	350A	CV2710	3D6	CV2797	5894A
CV2630	351A	CV2711	1500T	CV2798	QQV03-12
CV2631	352A	CV2712	1609	CV2799	QQV03-20
CV2632	354A	CV2713	1610	CV2800	A40
CV2633	362A	CV2714	1614	CV2801	A40/N3
CV2634	367	CV2715	1630	CV2803	2915
CV2636	375A	CV2716	6SC7	CV2804	A915A
CV2637	388A	CV2717	1729	CV2805	A294
CV2638	393A	CV2718	1876	CV2806	AC/2HL
CV2639	394A	CV2719	1924	CV2807	AC2HL
CV2640	405BU	CV2721	6CJ6	CV2808	AC2Pen
CV2642	417A	CV2722	3025	CV2809	AC5Pen
CV2643	2C40	CV2723	869B	CV2810	E4504/M/16
CV2644	460BU	CV2725	09	CV2811	AC/HL
CV2645	R1	CV2726	6CK6	CV2812	AC/HL
CV2647	532	CV2727	26D	CV2813	AC/HLDD
CV2648	632A	CV2728	29D	CV2814	5D21
CV2650	12AY7	CV2729	E80F	CV2815	ACP
CV2651	707B	CV2730	5800	CV2816	3JP12
CV2652	709A	CV2731	63DS	CV2817	6L6GA
CV2653	714A	CV2733	3951	CV2818	AC/PT8
CV2654	715A	CV2734	4033A	CV2819	AC/S
CV2655	715B	CV2735	4015A	CV2820	AC/SP1
CV2656	724A	CV2736	3C24	CV2821	ECC33
CV2657	800	CV2738	RG1-240	CV2822	AC/SG
CV2658	806	CV2742	114	CV2823	AC/SP3

SERVICE TYPE	COMMERCIAL EQUIVALENT	SERVICE TYPE	COMMERCIAL EQUIVALENT	SERVICE TYPE	COMMERCIAL EQUIVALENT
CV2924	AC/SPen	CV2900	DET10	CV2975	6BQ5
CV2825	ACT6	CV2901	EF86	CV2976	NE
CV2826	1B63A	CV2903	OA2	CV2977	H2
CV2827	ACT10	CV2905	3J/170E	CV2978	H12
CV2829	293A	CV2907	DF1	CV2979	H30
CV2830	AC/TH1	CV2908	3J/260E	CV2980	DM70
CV2831	2C51	CV2909	DH73	CV2981	H410
CV2832	AC/VP2	CV2910	DK1	CV2982	H610
CV2833	AF3	CV2911	DL2	CV2983	DL94
CV2834	AGT1	CV2912	DL63	CV2984	6080
CV2835	5R4WGY	CV2913	DL51	CV2985	HD24
CV2836	APP4G	CV2914	1B40	CV2986	HD203A
CV2837	APP4G	CV2916	1N25	CV2987	HF100
CV2839	AR300	CV2918	1N28	CV2988	HF200
CV2840	5UP7	CV2919	1N43	CV2989	HK354E
CV2841	ARP12T	CV2920	E1148	CV2990	6136
CV2842	6C4W	CV2923	1N69	CV2991	HL2
CV2843	6J6W	CV2924	1N70	CV2992	6106
CV2844	6X4W	CV2925	EBF2	CV2993	KU25
CV2845	LS5	CV2926	EBL31	CV2994	HL23
CV2846	LS5B	CV2927	EC50	CV2995	HL23DD
CV2847	5704	CV2928	1N81	CV2996	HLD41D
CV2848	CK707	CV2929	ECH3	CV2997	HL63
CV2849	K1051	CV2930	ECH33	CV2998	HL133
CV2850	AT200A	CV2931	2B22	CV2999	HL133DD
CV2851	3D22	CV2932	2C42	CV3500	HL210
CV2852	2J56	CV2933	2C46	CV3501	HL610
CV2853	RZ1-250	CV2934	3BP1A	CV3502	HL1320
CV2854	6AN5	CV2935	5JP1	CV3503	HLDD1320
CV2855	6K4	CV2936	4B22	CV3506	HY615
CV2856	1N23B	CV2937	6A05	CV3508	6208
CV2857	1N23BM	CV2938	EL33	CV3509	1N31
CV2858	3B24W	CV2939	6F4	CV3510	4B31
CV2859	5846	CV2941	EL50	CV3511	371B
CV2860	AZ1	CV2940	EL36	CV3512	5696
CV2861	AZ2	CV2942	EM1	CV3514	K8140824
CV2862	AZ31	CV2943	ESU76	CV3515	KB2
CV2864	B21	CV2944	ESU1500	CV3516	KK2
CV2865	B30	CV2945	ESU75	CV3517	5933
CV2866	2C51W	CV2946	ESU150	CV3518	5948/1754
CV2867	BU100/6	CV2947	ESU300	CV3519	KT30
CV2868	C1A	CV2948	ESU450	CV3520	KT31
CV2869	3JP7	CV2949	F123A	CV3521	5949/1907
CV2870	CG3D	CV2950	129B	CV3522	6079
CV2871	CAT6	CV2952	FA13	CV3523	6146
CV2872	CAT9	CV2953	FA14	CV3524	T1/236G
CV2974	1005	CV2954	FC2A	CV3525	1N21C
CV2875	CL4	CV2955	FC4	CV3526	EL85
CV2876	2D21W	CV2956	FC13C	CV3527	KTW73
CV2877	6AK5W	CV2957	FG17	CV3528	M513
CV2878	CRT1	CV2958	FG278	CV3529	KT41
CV2879	CRT1	CV2959	3B21	CV3530	KTZ73
CV2880	CRT4/1	CV2960	FP54	CV3531	L2
CV2882	6AL5W	CV2961	1N54A	CV3532	L21
CV2883	6A05W	CV2962	1N38A	CV3533	L22DD
CV2884	6AS6	CV2963	4-125A	CV3534	L30
CV2885	54NCP11	CV2964	4-250A	CV3535	C14HM
CV2886	M2H	CV2966	EY86	CV3536	LS408A
CV2887	DAC1	CV2965	RL7076-2A	CV3537	L500
CV2888	EL31	CV2964	5D22	CV3538	L610
CV2889	DD620	CV2963	4D21	CV3539	6024
CV2890	DDT	CV2967	8020	CV3540	HT415
CV2891	DE5	CV2968	7F8	CV3541	LS6A
CV2892	DE5B	CV2969	GT1	CV3542	LS532
CV2895	DET1SW	CV2970	5656	CV3543	4D32
CV2896	52CG	CV2971	5675	CV3545	5939
CV2897	7MB1A	CV2972	5876	CV3546	MHD4
CV2898	DET8	CV2973	GU7	CV3547	MH14
CV2899	DET10	CV2974	1N72	CV3548	1B24A



SERVICE TYPE	COMMERCIAL EQUIVALENT	SERVICE TYPE	COMMERCIAL EQUIVALENT	SERVICE TYPE	COMMERCIAL EQUIVALENT
CV3549	1B38	CV3626	PenB4	CV3702	SG215
CV3550	1B41	CV3627	6SN7WGT	CV3703	SP4B
CV3551	1N38	CV3628	1B35A	CV3704	SP13C
CV3552	MPT4	CV3629	6130	CV3705	5691
CV3553	MS4B	CV3630	Pen44	CV3706	5796
CV3554	MPT42	CV3631	Pen45DD	CV3707	6AL7GT
CV3555	1Q22	CV3632	6131	CV3709	STV150/200
CV3557	MR300	CV3633	Pen231	CV3710	AR63
CV3558	MR300/E	CV3634	Pen428	CV3711	N78
CV3559	2C53	CV3635	Pen1340	CV3712	STV280/80A
CV3560	2151	CV3636	Pen1346	CV3714	822Special
CV3561	MS/Pen	CV3637	7BP7A	CV3715	SW5
CV3562	MSP41	CV3638	PenA4	CV3719	SW7
CV3563	MT11SW	CV3639	6F4	CV3721	T4D
CV3564	MT12	CV3640	PJ8	CV3722	T20
CV3565	ME41	CV3641	PM1HL	CV3723	T41
CV3567	MU1	CV3642	PM1LF	CV3724	T200
CV3569	4J52	CV3643	PM2A	CV3725	GL446
CV3570	MU4250	CV3644	726C	CV3726	TDD2A
CV3571	MVSPen	CV3645	PM2DX	CV3727	tDD4
CV3572	MVSPenB	CV3646	845W	CV3729	1N47
CV3573	MZ05-20	CV3647	PM22A	CV3730	TMC15B
CV3574	MZ1/76	CV3648	PM24E	CV3731	TMC16B
CV3575	3B26	CV3649	PM22	CV3732	TMC20B
CV3576	MX40	CV3650	12AY7	CV3733	3KP1
CV3577	25A7GT	CV3651	12SH7GT	CV3734	6X5WGT
CV3578	FM22D	CV3652	PT5	CV3735	TP26
CV3579	PT5E	CV3653	PT6	CV3736	K1105P2
CV3580	304TL	CV3654	PT11	CV3737	QK353
CV3581	V1501	CV3655	12SP7	CV3738	VXR130
CV3582	VP4B	CV3657	PV05-15	CV3739	TX3-200
CV3583	5HP1	CV3658	PV1-35	CV3740	TX5-400
CV3584	21/2	CV3659	M501A	CV3741	TZ2-300
CV3586	471A	CV3660	M510A	CV3742	TZ20
CV3587	705A	CV3661	M501A	CV3743	U5
CV3588	706A	CV3662	M501A	CV3744	U6
CV3589	707A/B	CV3666	12SW7	CV3745	1B58
CV3590	708A	CV3667	RG1-250	CV3746	U14
CV3592	UX6653	CV3668	12SY7	CV3747	U15
CV3593	713A	CV3669	2K48	CV3748	2X2
CV3594	717A	CV3670	RG4-1000	CV3749	576
CV3595	721A	CV3671	RK25	CV3750	U22
CV3596	726B	CV3672	RK28	CV3751	U21
CV3597	726V	CV3673	RK28A	CV3752	U30
CV3599	829B	CV3674	RK31	CV3753	U31
CV3600	202P1	CV3675	9004	CV3754	U50
CV3601	7193	CV3676	2J42	CV3755	5755
CV3602	5J26	CV3677	RK47	CV3756	U600
CV3604	GL464	CV3678	2BP1	CV3758	UR3C
CV3605	GL464	CV3679	RK49	CV3759	R2
CV3606	5J29	CV3680	RK60	CV3760	UU5
CV3607	NP90	CV3681	RK62	CV3761	UU7
CV3608	5J30	CV3683	RKR47	CV3762	V120
CV3609	5517	CV3685	QK283	CV3763	V123B
CV3610	5663	CV3686	QK284	CV3765	V226
CV3611	5586	CV3687	4J49	CV3766	V312
CV3612	5686	CV3688	2C33	CV3767	V339
CV3613	6AR6	CV3689	3B29	CV3768	V503
CV3614	6BL6	CV3690	RZ-150	CV3769	V877
CV3615	6BM6	CV3691	S23	CV3770	V955
CV3616	6BN6	CV3692	S23	CV3772	V970
CV3618	6L6WGA	CV3693	10KP7	CV3773	V1010
CV3619	6SJ7WGT	CV3694	S130A	CV3774	V1020
CV3620	P220	CV3695	S215	CV3775	V1021
CV3621	P410	CV3696	S215A	CV3776	V1023
CV3622	P610	CV3697	12SX7GT	CV3777	V1029
CV3623	PA40	CV3698	S610	CV3778	V1105
CV3624	PE7B	CV3699	5693	CV3779	4J26
CV3625	PE8				

SERVICE TYPE	COMMERCIAL EQUIVALENT
CV3780	4J27
CV3781	4J28
CV3782	4J29
CV3783	4J30
CV3784	5B/102A
CV3785	VMP4G
CV3786	VMP4G
CV3787	VP2
CV3788	VP4
CV3789	5842
CV3790	VP13C
CV3791	VP21
CV3792	VP24
CV3794	BP210
CV3795	VP215
CV3796	VP1322
CV3797	V944A
CV3798	OA3
CV3799	OB3
CV3800	VS2
CV3802	VS24
CV3803	VS24
CV3804	W21
CV3805	W30
CV3806	W31
CV3808	6T4
CV3809	807W
CV3810	WD30
CV3812	1P31
CV3813	8A
CV3815	3B22
CV3816	X21
CV3817	X21
CV3818	X22
CV3819	X24
CV3820	X24
CV3821	X31
CV3822	X31
CV3823	X41
CV3825	X63
CV3826	X65
CV3827	12C8GT
CV3828	X66
CV3829	293A
CV3830	XH1.5
CV3831	XL2
CV3832	XP2
CV3833	XSG2.OV
CV3834	XW2
CV3835	Z21
CV3836	Z21
CV3837	Z21
CV3838	Z62
CV3839	Z66
CV3840	TTR31MR
CV3841	6F1
CV3842	5J29
CV3843	5J30
CV3844	5J31
CV3845	RS366
CV3846	RS261
CV3847	RS250
CV3848	RS260
CV3849	RS217
CV3850	RS207
CV3851	RS253
CV3852	RS285
CV3853	RS15
CV3854	RS47

SERVICE TYPE	COMMERCIAL EQUIVALENT
CV3855	RS329
CV3856	RS330
CV3857	RS283A
CV3858	RS18
CV3859	RV271A
CV3860	RS282
CV3862	R555
CV3863	RS289
CV3864	RS389
CV3865	RS288
CV3866	RS203
CV3867	RSQ15/40
CV3868	RSQ15/5
CV3869	RSQ15/5
CV3870	RGQ10/4D
CV3871	RS254
CV3872	RS255
CV3873	RS566
CV3874	ATR388
CV3875	KU54
CV3876	SAL39
CV3877	1B56
CV3878	2-150D
CV3879	4-400A
CV3880	4-100A
CV3881	EB41
CV3882	EBC41
CV3883	EAF42
CV3884	ECC40
CV3885	EF40
CV3886	EF41
CV3887	EF42
CV3888	ECH42
CV3889	EL41
CV3890	EL42
CV3891	EZ40
CV3892	AZ41
CV3893	4X150G
CV3894	6BF7
CV3895	5702
CV3896	5784
CV3897	5787
CV3898	5829
CV3899	5932
CV3900	5963
CV3901	6161
CV3902	6002
CV3903	QK338
CV3904	2K41
CV3905	5847
CV3906	6117
CV3907	720C
CV3908	6BH6
CV3909	6BJ6
CV3912	1U5
CV3915	8025A
CV3916	5647
CV3917	5703
CV3918	5JP2A
CV3919	U82
CV3920	A2196
CV3921	A2244
CV3923	1N21B
CV3924	6AC1W
CV3926	7C23
CV3927	12K8
CV3928	5636
CV3929	5840
CV3930	5718

SERVICE TYPE	COMMERCIAL EQUIVALENT
CV3931	5906
CV3932	5977
CV3933	5783
CV3934	1N34A
CV3935	14R7
CV3936	14S7
CV3937	14R7
CV3938	12CS7GT
CV3939	6BM6A
CV3940	2C39
CV3941	3RP1
CV3942	5692
CV3943	5852
CV3944	2J30
CV3945	2K45
CV3946	3WP1
CV3947	4J54
CV3948	4J55
CV3949	4J56
CV3950	4J57
CV3951	4J58
CV3952	4J59
CV3953	4J78
CV3954	5CP7
CV3955	5CP12
CV3956	719A
CV3957	1258
CV3958	5657
CV3959	5FP7A
CV3960	5783
CV3961	6111
CV3963	559
CV3964	354
CV3965	2C46
CV3966	QK428
CV3967	1N63
CV3968	3DP1A
CV3969	577
CV3970	5721
CV3971	89L
CV3972	6095
CV3973	6ACTY
CV3974	6ASTY
CV3975	6236
CV3976	M509
CV3977	1N35
CV3978	6AG7Y
CV3979	OD3W
CV3980	12SR7GT
CV3981	G5S3
CV3982	M506
CV3983	12SW7GT
CV3985	6SL7WGT
CV3986	6021
CV3987	5644
CV3988	6442
CV3989	6AN4
CV3990	2E26
CV3991	4X150D
CV3992	HD6002
CV3993	1N67A
CV3994	1V2
CV3995	6CB6
CV3996	U709
CV3997	JP9-15
CV3998	E180F
CV3999	MW22/22
CV4001	F/6063
CV4002	F/6064

SERVICE TYPE	COMMERCIAL EQUIVALENT	SERVICE TYPE	COMMERCIAL EQUIVALENT	SERVICE TYPE	COMMERCIAL EQUIVALENT
CV4003	12AU7	CV4504	2S/141G	CV5074	6AF4A
CV4004	6057	CV4506	5A/175G	CV5075	622C
CV4005	6X4	CV5001	601C	CV5076	1N198
CV4006	6059	CV5002	CS3A	CV5077	PL81
CV4007	6AL5W	CV5003	BU28/4	CV5078	XC17
CV4008	6719	CV5004	3JP2	CV5079	5643
CV4009	6BA6W	CV5005	6110	CV5080	EF37A
CV4010	5654	CV5006	6021	CV5081	61SPT
CV4011	6AS6W	CV5007	6112	CV5082	M8234
CV4012	5750	CV5008	6080WA	CV5083	QS75-20
CV4013	5670	CV5009	6203	CV5084	30B1P3
CV4014	6064	CV5010	5644	CV5085	27M2
CV4015	6065	CV5011	TH1657A	CV5086	6BS7
CV4016	5814	CV5012	1N23C	CV5087	4EP7
CV4017	5751	CV5013	1N23CR	CV5088	XC15
CV4018	2D21W	CV5014	1N78	CV5089	L3040
CV4019	6AQ5W	CV5015	1N53	CV5090	L4031
CV4020	0A2WA	CV5016	1N32	CV5092	EF800
CV4021	3B24WA	CV5017	450TL	CV5093	EL803
CV4022	6135	CV5018	JP9-80	CV5094	EL86
CV4023	6AU6WA	CV5019	QK387	CV5095	GK2261
CV4024	12AT7WA	CV5020	QK388	CV5096	GK2401
CV4025	6AL5	CV5021	6V3A	CV5098	ZS21
CV4026	6R4WGA	CV5022	CS31A	CV5099	ZS22
CV4027	5Y3WGTA	CV5023	AFX212	CV5100	GJ3M
CV4028	0B2WA	CV5024	MX-408/U	CV5101	GJ5M
CV4029	5902	CV5025	XB2	CV5102	GJ6M
CV4030	G75/3G	CV5026	1N320	CV5103	ZS20B
CV4031	6J6WA	CV5027	XG1-2500	CV5104	GEX541
CV4032	6814A	CV5028	3V/390B	CV5105	OC45
CV4033	F/6060	CV5029	6J4WA	CV5106	E1T
CV4034	F/6067	CV5030	26Z5W	CV5107	KD63
CV4035	F/6057	CV5031	M548	CV5108	EFF60
CV4036	F/6443	CV5032	1X2A	CV5109	GE10
CV4037	F/5750	CV5033	3-14	CV5112	3A/167M
CV4039	6062	CV5034	3JP11	CV5113	5787WA
CV4040	S6F17	CV5035	DG13-34	CV5114	6260B
CV4041	S6F17F	CV5036	6AF4	CV5115	X79
CV4042	19G6	CV5037	6BA6W	CV5116	3B/241M
CV4043	6061	CV5038	6BC4	CV5120	20CV
CV4044	6443	CV5039	6BL7	CV5121	6870
CV4045	F/6061	CV5040	6BQ6	CV5122	Z900T
CV4047	G400/2G	CV5041	6CL6	CV5123	JP9-15D
CV4048	QS1212	CV5042	12BH7	CV5125	DP13-34
CV4049	F/5726	CV5043	311A	CV5131	DG4-1
CV4050	F/5654	CV5044	5836	CV5132	M8163
CV4051	F/6158	CV5045	5837	CV5134	JP79-60
CV4052	QS1202	CV5046	5844	CV5140	EA52
CV4053	QS1203	CV5047	G7B	CV5144	PCL83
CV4054	F/5654	CV5048	V239C/1K	CV5156	EF89
CV4055	6132	CV5049	V241C/1K	CV5157	DP13-2
CV4056	F/6132	CV5050	212-G11A	CV5168	DH13-97
CV4058	6C4WA	CV5051	HD2016A	CV5171	DP7-5
CV4059	M8097	CV5052	6AU7	CV5172	DK92
CV4060	S11E12	CV5053	6098CT	CV5173	90C1
CV4063	6516	CV5054	6390	CV5192	PCC84
CV4066	M8190	CV5055	EM81	CV5214	E90CC
CV4067	M8167	CV5056	A2094	CV5215	ECF80
CV4068	6158	CV5057	5702WA	CV5219	QY5-3000A
CV4069	F/6158	CV5058	578WA	CV5233	EL32
CV4070	M8099	CV5059	5829WA	CV5234	ZT1011/XR1-1600A
CV4073	SX641	CV5060	Z759	CV5235	JP9-50
CV4074	SX642	CV5061	7YP2	CV5239	TY7-6000A
CV4076	M8179	CV5062	5841	CV5244	MB13-1
CV4077	SX643	CV5063	1N70	CV5247	XH8-100
CV4078	SX644	CV5064	1N38A	CV5249	KS9-30
CV4080	M8225	CV5065	6U8	CV5269	DG7-6
CV4085	M8195	CV5066	BL25	CV5277	ET51
CV4098	M8234	CV5067	6SH7L	CV5278	Z520M
CV4100	M8223	CV5068	ES75H	CV5281	ECC84
CV4101	M8224	CV5069	6621	CV5282	AL13-36
CV4104	M8224	CV5070	5FP11	CV5300	AL22-10
CV4501	5A/172G	CV5071	3J/195E	CV5302	DH7-91
CV4502	5A/173G	CV5072	EZ81	CV5304	6463
CV4503	5A/174G	CV5073	6AM4	CV5311	M8248

SERVICE TYPE	COMMERCIAL EQUIVALENT	SERVICE TYPE	COMMERCIAL EQUIVALENT	SERVICE TYPE	COMMERCIAL EQUIVALENT
CV5331	ECC189	NR42	P220	NU16	GU5
CV5354	E188CC	NR43	PM24A	NU17	UU5
CV5358	ECC88	NR44	PX4	NU18	U17
CV5365	6BQ7A	NR45	VMP4G	NU20	U50
CV5369	DHM10-93	NR46	D41	NU31	MU2
CV5397	EC157	NR47	PX25	NU33	SU2150A
CV5412	DM160	NR48	EBC33	NU33A	HVR2
CV5418	DG7-31	NR49	EF36	NU34	HVR2
CV5430	TD1-100A	NR50	AT4	V177	EM31
CV5434	EM84	NR51	VMP4G	V1103	Y63
CV5443	JPG9-02C	NR52	354V	VR18	2155G
CV5458	TD03-10E	NR53	KT42	VR19	PM2
CV5472	E88CC	NR54	AP4	VR21	21OLF
CV5473	QQV02-6	NR54A	AP4	VR22	22OPA
CV5724	E80T	NR55	4D1	VR27	21OLF
CV5745	GZ33	NR56	DA30	VR28	22OVSG
CV5754	TD04-20A	NR57	ML4	VR32	22OB
CV5760	DP13-97	NR58	244V	VR35	QP21
CV5766	E182CC	NR59	KT41	VR37	MH4
CV5793	DN13-34	NR60	H42	VR38	MHL4
CV5808	E55L	NR61	W42	VR40	PX25
CV5809	E810F	NR64	KTW62	VR41	PM12M
CV5810	EF184	NR65	MSP4	VR43	21OPG
CV5811	DH13-10	NR66	D41	VR44	21ODDT
CV5820	Z700U	NR67	6L7	VR45	X56
CV5830	EL360	NR68	6Q7	VR46	PT25H
CV5831	EP183	NR69	Y63	VR47	TZ05-20
CV5847	QQV07-50	NR70	MS/Pen	VR49	21OSP
CV5883	DNM9-11	NR71	MS/PenT	VR53	EF39
CV5900	KS7-85A	NR72	N43	VR54	EB34
CV5905	EY81	NR73	6N7	VR55	EB3C3
CV5940	DP4-1	NR74	PV1-35	VR56	EF36
CV5956	TD03-10	NR75	ACP4	VR57	EK32
CV5957	XR1-12	NR76	KTZ41	VR57A	EK32
CV5959	QY4-400	NR77	6L6	VR59	955
CV5961	CV5961	NR78	6C5	VR65	SP61
CV5962	TD03-10D	NR78A	L63	VR655A	SP41
CV5989	E80CC	NR79	Z62	VR66	P61
CV6007	XH3-045	NR80	E1148	VR67	6J5
CV6008	24B1	NR81	6K7	VR78	D1
CV6072	JP8-02B	NR82	X65	VR82	220TH
CV6087	LA9-3B	NR83	6J7	VR83	21OVPT
CV6094	DM160	NR84	20A1	VR91	EF50
CV6095	DH7-91	NR85	6R6	VR91A	EF50
CV6114	JPT9-02E	NR86	KTW63	VR92	EA50
CV7129	OCE71	NR87	AC5PenDD	VR95	954
NR16A	FM4DX	NR94	ACP4	VR95A	954
NGT1	DPQ	NS1	STX280/80	VR99	X66
NGT2	GT1C	NS3	202	VR99A	ECH35
NGT4	GT1A	NS4	4713	VR100	KTW62
NGT121	T41	NS5	304	VR101	MHLD6
NGT128	GT1C	NT18	DO60	VR102	BL63
NR15	PM3	NT20	PM365	VR105	ML6
NR15A	PM4DX	NT36	DA100	VR106	9D2
NR16	PM254	NT37	4033A	VR107	15D2
NR18	DEQ	NT38A	PZ1-75	VR108	8D2
NR22	PM14	NT39	ACT36	VR109	4D1
NR23	PM14	NT40	DET5	VR109A	4D1
NR26	MHL4	NT58	DET12	VR116	V872
NR27	104V	NT62	PM24D	VR117	41MTL
NR27A	104V	NT62A	PM24D	VR117A	41MTL
NR28	PM2	NT65A	PZ1-35	VR118	KT2
NR31	MH4	NT82	PM202	VR119	DDL4
NR35	PD220A	NU3	U12/14	VR122	41MXP
NR37	ACSG	NU5	RX3-120	VR123	EP8
NR38	VMS4	NU12	U18	VR124	MS/Pen
NR39	PM22A	NU13	U15	VR125	MS/PenB
NR40	PM24D	NU13A	U15	VR126	4SH
NR41	21OVPT	NU15	U4020	VR129	MS/Pen

SERVICE TYPE	COMMERCIAL EQUIVALENT	SERVICE TYPE	COMMERCIAL EQUIVALENT	SERVICE TYPE	COMMERCIAL EQUIVALENT
VR130	HL23	VT60A	807	VT127	Pen46
VR135	E1148	VT61	DET19	VT139	MH4
VR136	EF54	VT61A	TV03-10	VT180	EF39
VR137	EC52	VT62	TY1-50	VT195	5Z4G
VR502	KT32	VT73	6F5	VT501	E1192
VR503	KT33C	VU71A	U52	VT501A	E1192
VR505	MH41	VU72	GU5	VU29	ESU150
VS68	STV280/40	VT74	6J7	VU39	MU12/14
VS69	STV280/80	VT75	KT66	VU64	U12/14
VS70	7475	VT75A/B	KT44	VU71	U52
VT20	220P	VT76	DA41	VU111	V1907
VT23	230XP	VT79	KT8	VU113	U17
VT23A	230XP	VT80	4307A	VU120	SU2150A
VT25	DET25	VT81	4052A	VU120A	SU2150A
VT45	X56	VT88	832	VU133	V960
VT46	PT25H	VT96	5B/502A	VU134	HVR2
VT50	HL2	VT104	PT15	VU504	V1901
VT51	Pen220A	VT105	ML6	VU508	V1913
VT52	EL32	VT107A	6V6GT	VW36	220PA
VT60	807	VT107B	6V6G	VW42	210LF
				VW48	2155G

SERVICE TYPE	COMMERCIAL EQUIVALENT	SERVICE TYPE	COMMERCIAL EQUIVALENT	SERVICE TYPE	COMMERCIAL EQUIVALENT
VT1	203A	VT85	6K7	VT136	1625
VT2	205B	VT86	6K7	VT137	1626
VT4B/C	211	VT86A	6K7G	VT138	1629
VT5	215A	VT86B	6K7GT	VT139	VR150-30
VT6	212A	VT87	6L7	VT140	1628
VT7	WX12	VT87A	6L7G	VT141	531
VT8	UV204	VT88	6R7	VT142	WE39DY
VT17	860	VT88A	6R7G	VT143	805
VT19	861	VT88B	6RIGT	VT144	813
VT22	204A	VT89	89	VT145	5Z3
VT24	864	VT90	6H6	VT146	1N5GT
VT25	10	VT90A	6H6GT	VT147	1A7
VT25A	10	VT91	6J7	VT148	1D8
VT26	22	VT91A	6J7GT	VT149	3A8
VT27	30	VT92	6Q7	VT150	6SA7
VT28	24	VT92A	6Q7G	VT150A	6SA7GT
VT29	27	VT93	6B8	VT151	6A8
VT30	01A	VT93A	6B8G	VT151A	6A8GT
VT31	31	VT94	6J5	VT152	6K6
VT33	33	VT94A	6J5G	VT152A	6K6GT
VT34	207	VT94B	6J5	VT153	12C8
VT35	35/51	VT94C	6J5	VT154	814
VT36	36	VT94D	6J5GT	VT158	3092
VT37	37	VT95	2A3	VT161	12SA7
VT38	38	VT96	6N7	VT162	12SJ7
VT39	869	VT96B	6N7	VT163	6C8
VT39A	869A	VT97	5W4	VT164	1619
VT40	40	VT98	6U5/6G5	VT165	1624
VT41	851	VT99	6F8	VT166	371A
VT42	872	VT100	807	VT167	6K8
VT42A	872	VT100A	807	VT167A	6K8GT
VT43	845	VT101	837	VT168A	6Y6
VT44	32	VT103	6SQ7	VT169	12C8
VT45	45	VT104	12SQ7	VT170	1E5GP
VT46	866	VT105	6SC7	VT171	1R5
VT46A	866A	VT106	803	VT171A	1R5
VT47	47	VT107	6V6	VT172	1S5
VT48	41	VT108	450TH	VT173	1T4
VT49	39/44	VT109	2051	VT174	3S5
VT50	50	VT111	5BP4/1802P4	VT175	1613
VT51	841	VT112	6AC7	VT176	6AB7
VT52	2C45	VT114	5T4	VT177	1LH4
VT54	34	VT115	6L6	VT178	1LC5
VT55	865	VT115A	6L6GT	VT179	1LN5
VT56	56	VT116	6SL7	VT180	3LR4
VT57	57	VT116A	6SJ7GT	VT181	7Z4
VT58	58	VT116B	6SJ7Y	VT182	3B7
VT60	850	VT117	6SK7	VT183	1R4
VT62	801	VT117A	6SK7GT	VT184	VR90/30
VT63	42	VT118	832	VT185	3D6
VT64	800	VT119	2X2	VT187	575A
VT65	6C5	VT120	954	VT188	7E6
VT65A	6C5G	VT121	955	VT189	7F7
VT66	6F6	VT122	530	VT190	7H7
VT66A	6F6G	VT123	5586	VT191	316A
VT67	30	VT124	1A5	VT192	7A4
VT68	6B7	VT125	1C5	VT193	7C7
VT69	6D6	VT126	6X5	VT194	7J7
VT70	6F7	VT126A	6X5G	VT195	1005
VT72	842	VT126B	6X5GT	VT196	6W5
VT73	843	VT128	1630	VT197A	5Y3G
VT74	5Z4	VT129	304TL	VT198A	6G6
VT75	75	VT130	250TL	VT199	6SS7
VT76	76	VT131	12SK7	VT200	VR105-30
VT77	77	VT132	12K8	VT201	25L6
VT78	78	VT133	12SR7	VT201C	25L6GT
VT80	80	VT134	12A6	VT202	9006
VT83	83	VT135	12J5	VT203	9003
VT84	84/6Z4	VT135A	12J5	VT204	HK24G

SERVICE TYPE	COMMERCIAL EQUIVALENT	SERVICE TYPE	COMMERCIAL EQUIVALENT	SERVICE TYPE	COMMERCIAL EQUIVALENT
VT205	6ST7	VT229	6SL7	VT282	ZG489
VT206A	5V4G	VT230	350A	VT283	QF-206
VT207	12AH7	VT231	6SN7	VT284	QF-197
VT208	7B8	VT232	E1148	VT285	QF-200C
VT209	12SG7	VT233	6SR7	VT286	832A
VT210	1S4	VT234	114B	VT287	815
VT211	6SG7	VT235	615	VT288	12SH7
VT212	958	VT236	836	VT289	12SL7
VT213A	6L5	VT237	957	VT249	1006
VT214	12H6	VT238	956	VT250	EP50
VT215	6E5	VT239	1LE3	VT251	WL441
VT216	816	VT240	710A	VT252	923
VT217	811	VT241	7E5	VT254	304TH
VT218	100TH	VT243	7C4	VT255	705A
VT220	250TH	VT244	5U4	VT256	GL486
VT221	305	VT245	2050	VT257	K-7
VT222	884	VT246	918	VT259	829
VT223	1H5	VT247	6AG7	VT260	0A3
VT224	RK34	VT248	3CP1/180P1	VT264	3Q4
VT225	307A	VT277	417	VT266	1616
VT226	3EP1/1806P1	VT279	GY2	VT267	WL578
VT227	7184	VT280	C7063	VT268	12SC7
VT228	8012	VT281	HY145ZT	VT269	717A

## British Post Office V.T. Series Index and Cross Reference to British Service Types

VALVE	C.V.N.O	EQUIVALENTS	VALVE	C.V.N.O	EQUIVALENTS
10	1610	MT4	105	1673	PM2HL
11	1611	MR4	106	1674	AC/S2Pen
16	1607	OC2.5	107	1675	N43
17	1608	U4	108	1676	LS8A
19	1612	VT9B	109	1677	AC52
20	1613		110	1678	HLA2
24	1636	LS5	111	1679	DA30
25	1637	LS5	112	1680	PM202
26	1600	CAT1	113	1681	TSP4
27	1601	CAR1	114	1682	
31	1638	4101D	115	1683	MKT4
32B	1640	4002D	116	1684	APP4C
32D	1641	4102E	116A	1685	APP4C
33	1642	DER	118A	1686	D418
35	1615	ESU1500	118B	1687	D418
34	1614	ES1500A	119	1169	VMP4G
36	1602	CAR4	120	1688	3B/252B
37B	1643	E132	121A	1288	3B/252B
37C	1644	E1532	122	244	AF2
38	1645	E133	125	1689	PA1
38A	1646	E1453	126	1690	9A1
40	1647	LS5B	127	1187	D41
46	1616		127A	1691	DDL4
47	1603	4104A	128	1692	AC/P
51	1617		130	1621	ESW501
52	1025	DET25	131	1168	FX4
53	1604	SS1971	132	1694	3A/144A
54	1618	ES250M	133	1695	DH30
56	1648	4205E	136	1118	KT2
57	25	ES85	137	1081	4502A
58	1619	4212E	138	1623	RG1-250
59	1620	DET6	139	399	MH4
60	1605	4013C	140	1166	P220
61	1609	SW7	142	1039	R3
62	1606	CAT7	143	1696	B21
65	1649	GC5	144	1371	PZ1-35
66	1650	LS5A	145	243	4045A
68	1651	G455B	146	1625	RG30250
69	1652	P220A	147	1697	X41
72	249	4019A	148	1689	A819
73A	1653	KC1	149	1349	RG5-500
74	1654		150	1699	SP41
75	1655	4109B	150A	1700	SP41
78	1656	LS8	151	1701	XLO
79A	1657	4020B	152	1702	XP
80A	1658	L29B	153	1703	XW
81	1659	4022B	154	1067	6J5
82	1660	LS7	155	1704	57
85	1661	DL	156	1705	58
86	1662	P215	157	1706	2B7
87	1663	4021B	158	1707	2A5
88	1664	B406	159	1708	80
89	1665	DH	160	1709	6D6
90	1732	ML4	161	1710	6C6
91	1038	MHL4	162	1711	6B7
92	1735	DC2P	163	1712	42
93	1666	P610	164	1713	EF8
94	1667	LS8A	165	1714	1F9
95	1668	4033L	166	1715	EBC3
98	1669	P625	167	1716	E1541
100	1670	HL1320	168	1626	RG10240A
100B	1670	H11320	169	1717	4307A
102	1671	4021A	170	1718	AC/TP
103B	1672	Pen36C	171	1719	U22



VALVE	C.V.N.O	EQUIVALENTS	VALVE	C.V.N.O	EQUIVALENTS
177	1720	XL1.5	194	587	6Q7
178	1721	XP1.5	195	1863	5Z4
179	1722	A901	196	509	6V6
180	1053	EF39	197	1629	RG3-1250A
181	1052	EL32	198	1075	KT66
182	1823	1N5	199	124	807
183	1724	5A/102D	200	1065	SP61
185	245	4328D	201	1056	EP36
186	1726	5A/105A	202	1054	EB34
187	1627	5D/100A	203	9	AL60
188	1727	Z22	204	18	DET19
189	1128	GT1C	205	1630	ESP450
190	1728	WE262B	206	1120	SU2150A
191	1628	GUB	207	1091	EF50
193	1100	KTW61			

#### B.V.A. UTILITY EQUIVALENTS

The last figure of this number denotes the manufacturer and can be disregarded.  
E.g., all the 260 series are equivalent to an EL33.

B.V.A. No.	Civilian No.	B.V.A. No.	Civilian No.	B.V.A. No.	Civilian No.
132	HL23DD	172	TP25	264	EL33
142	VP23	211	DW4/350	274	ECH35
162	Pen25	243	EF29		



# TEST DATA FOR RECEIVING AND SMALL TRANSMITTING VALVES <sup>1</sup>

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
OZ4	007 060 010		-		250		58	3kΩ	No Data Available			A08	CCR
O0	364 200 000		5	0	40		1.0	0.66	No Data Available			UX4	T
O0A	364 200 000		5	0	40		1.5	0.66	No Data Available			UX4	T
O1	364 200 000		5	4.5	90		2.5		80			UX4	T
O1A	364 200 000		5	9	150		3	0.8	80		0.7	UX4	T
O1AA	364 200 000		5	4.5	90		3.2	0.9	90		0.8	UX4	T
O1B	364 200 000		5	4.5	90		2.5	0.72	90		0.8	UX4	T
O6F90	653 420 000		0.6	1.1	20	20	.05	0.1	No Data Available			B5A	P
O54V	642 310 000		4		100			4	100		4	B5	T
O84	642 300 000		4	2.0	150		4.0	1.4	125		1.4	B4	T
1	281 300 000		6				60		REC		20mA	UX4	R
1A3	281 008 300		1.4						D			B7G	D
1A4	365 200 000	G1	2	3	150	75	2.2	0.6	100	75	0.6	UX4	P
1A4E	365 200 000	G1	2	3	150	75	2.2	0.6	100	75	0.6	UX4	P
1A4P	365 200 000	G1	2	3	90	75	2.2	0.7	80	75	0.7	UX4	P
1A4T	265 300 000	G1	2	3	150	75	2.2	0.6	100	75	0.6	UX4	P
1A5	036 540 200		1.4	4.5	90	90	4	0.85	80	75	0.8	A08	P
1A6	266 453 000	G1	2	0	150	75	3	0.4	80	60	0.4	UX6	P
1A7	892 300 000		4				60		REC		20mA	B4	RR
1A7	026 546 300	G1	1.4	0	90	50	1.8	0.5	80	60	0.5	A08	H
1A8	327 546 280	G1	1.4		90	90	1.2	0.7	80	90	0.7	A08	DTP
1AB5	365 004 220		1.2	1.5	150	150	6.8	1.35	100	100		B8B	P
1AB6	265 461 300		1.4	4.1	60	60	1.65	0.1	No Data Available			B7G	H
1AC5	*4* 23* 650		1.2	4.5	60	60	2.0	0.75	60	60	0.7	B8D	P
1AC6	266 464 300		1.4	4.0	60		4	2.2	80			B7G	H
1AD4	652 430 000		1.2	1.6	90	90	5.7	2.3	80	75	2.0	B5A	P
1AD5	*4* 23* 650		1.2	3.0	60	60	1.85	0.73	60	60	0.7	B8D	P
1AE4	265 024 300		1.2	0	90	90	3.5	1.55	90	80	1.5	B7G	P
1AE5	642 453 000		1.2		40	40	0.9	0.2	No Data Available			B5A	P
1AF4	265 024 300		1.4	0	90	90	1.65	0.95	80	90	0.9	B7G	P
1AF5	208 564 300		1.4	0	90	90	1.1	0.6	80	90	0.6	B7G	DP
1AF33	208 564 300		1.4		60	60	1.6	0.5	No Data Available			B7G	DP
1AF34	208 564 300		1.2		60	60	1.6	0.5	No Data Available			B7G	DP
1AG4	653 420 000		1.2	3.6	40	50	2.4	1	No Data Available			B5A	P
1AG5	658 243 000		1.2	2	40	40	0.2	0.2	No Data Available			B5A	DP
1AH4	652 453 000		1.2		40	40	0.7	0.7	No Data Available			B5A	P
1AH5	208 564 300		1.4	1.5	60	60	0.17	0.17	60	60	0.1	B7G	DP
1AJ4	265 124 300		1.4	0.8	75	75	1.4	0.65	80	75	0.7	B7G	P
1AJ5	658 243 000		1.2		40	40	1	0.4	No Data Available			B5A	DP
1AK4	652 430 000		1.2		40	40	0.7	0.7	No Data Available			B5A	P
1AL4	365 004 020		1.4	4.5	90	90	4	0.8	80	75	0.8	B8B	P
1AM4	265 024 300		1.4		90	60	2.4	0.3	80	60	0.2	B7G	P
1AN5	265 224 300		1.4	0	60	60	1.0	0.7	80	75	0.8	B7G	P
1AQ5	266 424 300		1.4		90	40			No Data Available			B7G	H
1AR5	208 564 300		1.4		60	60	0.9	0.5	No Data Available			B7G	DP

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
1AS4	265 024 300		1.4	0	90	90	1.6	0.85	100	90		B7G	P
1AS5	265 804 300		1.4		60	60	0.9	0.5	No Data Available			B7G	DP
1AU3	030 000 200	D1	1.2						D			A08	D
1AX2	230 232 032	D1	1.4						D			B9A	D
1B3	020 000 300	D1	1.2						D			A08	R
1B4	365 200 000	G1	2	3	200	60	1.7	0.6	100	60		UX4	P
1B4P	365 200 000	G1	2	3	90	75	1.6	0.6	80	60	0.6	UX4	P
1B4T(T)	265 300 000	G1	2	3	150	75	1.7	0.6	100	60	0.6	UX4	P
1B5	268 943 000		2	3	150		0.8	0.57	100		0.5	UX6	DDT
1B5L	368 942 000		2	3	100		0.8	0.5	100		0.5	UX6	DDT
1B6	265 406 300		1.4	1.5	90	75	1.5	0.75	80	75	0.7	B7G	P
1B7	026 546 300	G1	1.4	0	90	50	1.5	0.8	80	60	0.8	A08	H
1B8	037 546 280		1.4	6	90		0.1	0.3	80	60	0.1	A08	DTP
1C	289 300 000		6		90	90	6.3	1.1	80	75	1.1		
1C1	266 424 300		1.4	4	75		4.5	1.2	80		1.4	B7G	H
1C2	266 464 300		1.4	4	60		4	1.2	80		1.4	B7G	H
1C3	260 406 300		1.4	3	90		1.4	0.76	80		0.7	B7G	T
1C3	266 464 300		1.4		60		3		No Data Available			B7G	H
1C4	365 200 000	G1	2	0	150	75	2.5	1	150	75	1	UX4	P
1C5	036 540 200		1.4	7.5	90	90	7.5	1.55	80	75	1.5	A08	P
1C6	366 452 000	G1	2	0	150	75		1	150	75	1	UX6	H
1C7	026 546 300	G1	2	0	150	75		1	150	75	1	A08	H
1C8	240 236 540		1.2	0	30	30	0.3		No Data Available			B8D	H
1C91	624 300 000		1.2	2.5	150		7		100			B5A	T
1C91	026 447 300		1.2	2.5	125		7		100			A08	T
1D3	402 306 060		1.2	5	90		12.5	3.4	100		3.4	B8A	T
1D4	264 530 000		2	6	150	150	9.5	2.4	100	100		UX5	P
1D5	802 310 000		40				120		REC		60mA	B5	R
1D5EG	026 500 300	G1	2	3	150	60	2.2	0.7	100	60	0.6	A08	P
1D5G	026 503 000	G1	2	3	200	75	2.3	0.7	100	75		A08	P
1D5GP	026 500 300	G1	2	3	90	75	2.2	0.7	80	60	0.7	A08	P
1D5GT	026 500 300	G1	2	3	150	75	2.2	0.6	100	60	0.6	A08	P
1D6	280 183 000		25				60		REC		60mA	UX6	R
1D7	036 546 200	G1	2	0	150	75	3	0.42	150	75	1.0	A08	P
1D8	037 546 280	G1	1.4	9	90		1.1	0.5	80	60	0.5	A08	DTP
					90	90	5	0.9	80	75	0.9		
1D13	281 0*8 300		1.4						D			B7G	D
1DN5	265 804 300		1.4		60	60	2.1	0.6	No Data Available			B7G	DP
1E3	402 203 060		1.2	0	150		20	3.5	100			B9A	T
1E4	026 040 300		1.4	3	90		1.4	0.76	80		0.7	A08	T
1E5	036 500 200	G1	2	3	150	75	1.7	0.6	100	60	0.6	A08	P
1E5GP	036 500 200	G1	2	3	90	75	1.6	0.6	80	60	0.6	A08	P
1E7	036 447 250		2	4.5	150	150	7.5	1.43	100	100	1.4	A08	PP
1E8	240 236 540		1.2	0	60	60	1.8	0.74	No Data Available			B8D	H
1F1	265 024 300		1.4	0.8	75	75	1.4	0.65	80	60	0.7	B7G	P
1F2	265 024 300		1.4	1.0	90	75	2.9	0.92	80	75	0.9	B7G	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
1F3	265 024 300		1.4	1.0	90	50	1.9	0.75	80	60	0.7	B7G	P
1F4	364 520 000		2	3	90	90	4	1.4	80	75	1.4	UX5	P
1F5	036 540 200		2	3	90	90	4	1.4	80	75	1.4	A08	P
1F6	365 892 000	G1	2	1.5	150	75	2.2	0.6	150	75	0.6	UX6	DDP
1F7	036 895 200	G1	2	1.5	150	75	2.2	0.6	150	75	0.6	A08	DDP
1F7GV	036 895 200	G1	2	1.5	150	75	2.2	0.6	150	75	0.6	A08	DDP
1F33	265 024 300		1.4		90	60	3.5	0.7	80	60		B7G	P
1F34	265 024 300		1.2		90	60	3.5	0.7	80	60		B7G	P
1F860	141 230 651		20		200	175	10	7.5	100	100	7	B9A	P
1FD1	2*8 564 300		1.4	1.5	60	60	0.17	0.17	80	60	0.1	B7G	DP
1FD9	208 564 300		1.4	1.0	75	75	1.6	0.63	80	75	0.6	B7G	DP
1G3	*2* 0*0 3*0	D1	1.2						D			A08	D
1G4	036 040 200		1.4	6	90		2.3	0.82	80		0.8	A08	T
1G5	036 540 200		2	6	90	90	8.5	1.5	80	75	1.5	A08	P
1G6	026 447 300		1.4	0	90		1.0	0.67	80		0.6	A08	TT
1H2	23* 232 *32	D1	1.4						D			B9A	D
1H3C	026 447 300		1.2	5.5	150		2.3	0.8	100			A08	TT
1H4	026 040 300		2	9	150		3	0.9	100		0.9	A08	T
1H5	036 080 200	G1	1.4	0.5	100		0.1	0.2	80		0.2	A08	DT
1H6	036 894 200		2	3	150		0.8	0.57	100		0.5	A08	DDT
1H33	265 424 300		1.4		90	60	1.6		80	60	0.3	B7G	H
1H34	265 424 300		1.2		90	60	1.6		80	60	0.3	B7G	H
1H35	265 454 300		1.4		90	40	0.6		No Data Available			B7G	H
1J3	020 000 300	D1	1.2						D			A08	D
1J5	036 540 200		2	16.5	150	150	7	0.95	100	100	0.9	A08	P
1J6	026 447 300		2	3	150		1.7		100			A08	TT
1J6GX	026 447 300		2	0	150		2		125			A08	TT
1K3	020 000 300	D1	1.2						D			A08	D
1K4	365 200 000	G1	2		150	75	2.5	1	150	75	1	UX4	P
1K5	026 500 300	G1	2		125	75	2.5	1	125	75	1	A08	P
1K5B	026 500 300	G1	2		125	75	1	1	125	75	1	A08	P
1K6	369 852 000	G1	2	3	150	90	0.9	0.6	100	75	0.6	UX6	DDP
1K7	026 895 300	G1	2	4.4	150	150	1.5	0.7	100	100	0.7	A08	DDP
1L4	265 024 300		1.4	0	90	75	2.9	0.92	80	75	0.9	B7G	P
1L5	026 540 300		2	6	200	200	10	2.4	100	150	2.4	A08	P
1L6	266 451 300		1.4	0	90	50	4	0.55	80	60		B7G	H
1L33	264 526 300		1.4	7	90	60	7.4	1.4	80	60		B7G	P
1L34	254 526 300		1.2	7	90	60	7.4	1.4	80	60		B7G	P
1L60	642 300 000		1		150		6.0	1.2	150		1.2	B4	T
1L84	365 004 020		1.4	4.5	90	90	4	0.85	80	70	0.8	B8B	P
1L91	652 430 000		1.2	4.5	40	40	1.2	0.5	No Data Available			B5A	P
1L861	041 230 651		20		200	200	15	9	100	100		B9A	P
1LA4E	365 004 020		1.4	4.5	90	90	3.5	0.8	80	75	0.8	B8B	P
1LA6	366 454 020		1.4	0	90	50	1.8	0.55	80	60	0.5	B8B	H
1LA6E	366 454 020		1.4	0	90	50	1.8	0.55	80	60	0.5	B8B	H
1LB4	365 004 020		1.4	9	90	90	5	0.9	80	75	0.9	B8B	P
1LB6	276 554 430		1.4	{	75		1.2		80			B8B	H
				0	90	75	0.4		80	75			

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE	
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V			
1LB7	265 104 130		1.4	3	40	40	1	0.3	No Data Available	80	60	0.7	A08	P
1LC5	365 124 020		1.4	0	90	50	1.15	0.77	80	60	0.7	B8B	P	
1LC6	266 454 030		1.4	0	90	50	3	0.55	80	60	0.5	B8B	H	
1LD5	365 804 020		1.4	0	90	50	0.6	0.57	80	60	0.5	B8B	DP	
1LE3	350 0*4 020		1.4	3	90		1.4	0.76	80		0.76	B8B	T	
1LF3	260 004 020		1.4	3	90		1.4	0.76	80		0.7	B8B	T	
1LG5	365 124 020		1.4	1.5	90	90	3.7	1.15	80	90	1.1	B8B	P	
1LH4	260 804 020		1.4	0	90		0.15	0.27	80		0.2	B8B	DT	
1LN5	365 124 020		1.4	0	90	90	1.6	0.8	80	90	0.8	B8B	P	
1LN5E	365 124 020		1.4	0	90	90	1.6	0.8	80	90	0.8	B8B	P	
1M5G	036 500 200	G1	2		150	75	2.5	1	150	75	1	A08	P	
1N2	*2* *** 3*0	D1	1.2						D			A08	D	
1N5	036 500 200	G1	1.4		90	90	1.2	0.7	80	75	0.7	A08	P	
1N6	036 548 200		1.4	4.5	90	90	3.4	0.8	80	75	0.8	A08	DP	
1NA31	802 208 300		5				15		REC		10mA	B7G	R	
1P1	365 024 300		1.4	5.2	90	90	5.0	1.4	80	75	1.4	B7G	P	
1P5	036 500 200	G1	1.4		90	90	2.3	0.7	80	90	0.7	A08	P	
1P10	264 536 200		1.4	7	90	75	7.4	1.57	80	60	1.5	B7G	P	
1P11	365 024 300		1.4	4.5	90	90	9.5	2.15	80	75	2	B7G	P	
1Q5	036 540 200		1.4	4.5	90	90	9.5	2.2	80	75	2.2	A08	P	
1Q6	040 238 650		1.25	0	60	60	1.6	0.6	No Data Available			B8D	DP	
1R	026 510 300	G1	1.4		90	90	1.2	0.7	80	90	0.7	A08	P	
1R4	200 800 130		1.4						D			B8B	D	
1R5	266 424 300		1.4	4	75		5	1.2	80		1.4	B7G	H	
1R6	230 232 032	D1	1.2						D			B9A	D	
1LB7	265 104 130		1.4	3	40	40	1	0.3	No Data Available			A08	P	
1LC5	365 124 020		1.4	0	90	50	1.15	0.77	80	60	0.7	B8B	P	
1S2A	32* 323 *23	D1	1.4						D			B9A	D	
1S4	264 526 300		1.4	7	90	75	7.4	1.57	80	60	1.5	B7G	P	
1S4T	264 5*6 300		1.4	7	90	75	7.2	1.6	100	75		B7G	P	
1S5	208 564 300		1.4	0	75	75	1.6	0.62	80	75	0.6	B7G	DP	
1S5T	2*8 564 300		1.4		90	75	1.6	0.5	75	60		B7G	DP	
1S6	604 238 050		1.2	0	60	60	1.6	0.6	No Data Available			B8D	DP	
1SA6	021 405 360		1.4	0	90	75	2.45	0.97	80	75	0.9	A08	P	
1SB6	036 580 240		1.4	0	90	75	1.45	0.66	80	75	0.6	A08	DP	
1T	036 500 320	G1	1.4	4.5	90	90	0.9	2.1	80	75	2.1	A08	P	
1T2	123 000 000	D1	1.4						D			B3G	D	
1T4	365 200 000		2	0	150	75	2.5	1	150	75	1	UX4	P	
1T4	265 024 300		1.4	0	90	75	3.5	0.9	80	75	0.9	B7G	P	
1T4T	265 024 300		1.4		90	75			80	75		B7G	P	
1T5	036 540 200		1.4	6	90	90	6.5	1.15	80	75	1.1	A08	P	
1T6	604 238 050		1.2	0	60	60	1.6	0.6	No Data Available			B8D	DP	
1U4	265 024 300		1.4	0	90	90	0.8	0.68	80	90	0.9	B7G	P	
1U5	265 804 300		1.4	0	75	75	1.6	0.62	80	75	0.6	B7G	DP	
1U6	266 541 300		1.4	0	75	50	1.7	0.3	No Data Available			B7G	H	
1V	281 300 000		6				60		REC		20mA	UX4	R	
1V2	8** 230 **8		0.625						D			B9A	D	
1V4	260 *24 300		1.25	0	150	100	1.6		125	100		B7G	P	
1V5	*4* 23* 650		1.2	4.5	60	60	2	0.75	No Data Available			B7G	P	

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
1W4	892 300 000		4				30		REC		40mA	B4	RR
1W4	265 004 300		1.4	9	90	90	5	0.92	80	75	0.9	B7G	P
1W5	040 230 650		1.25	0	60	60	1.8	0.73	No Data Available			B8A	P
1W50	842 300 000		1.0						D			B4	D
1X2	230 232 032	D1	1.2						D			B9A	R
1X2B	*2* *** **3	D1	1.2						D			B9A	D
1Y2	200 300 000	D1	1.4									UX4	R
1Y32	232 232 300	D1	1.4						D			B7G	D
1Y32T	232 232 300	D1	1.4						D			B7G	D
1Z1	020 000 300	D1	0.7						D			A08	D
1Z2	232 232 300	D1	1.2						D			B7G	D
1Z2S	2** *** 300	D1	1.2						D			B7G	D
2	642 300 000		2	4	150		1.5		100			B4	T
2/25A	200 300 000	D1	6				30		REC		18mA	UX4	R
2/50A	200 300 000	D1	5				60		REC		20mA	UX4	R
2A1M	026 546 300	G1	2		150	75	2.2		100	80		A08	H
2A3	264 300 000		2.5	45	250		60	5.2	100		5.2	UX4	T
2A3H	364 200 000		2.5	62	300		40	5.25	100		5.2	UX4	T
2A3W	264 300 000		2.5	45	250		60	5.2	100		5.2	UX4	T
2A5	265 413 000		2.3(3)	16.5	250	250	34	2.5	100	150	2.5	UX6	P
2A6	269 813 000	G1	2.5	2	250		0.9	1.1	150		1.1	UX6	DDT
2A6S	269 813 000	G1	2.5	2	250		0.9	1.1	150		1.1	UX6	DDT
2A7	265 541 300	G1	2.5	8	250	100	3.5	1.1	150	100	1.1	Sm7	H
2AF4	642 314 600		2.5	4.0	100		15	6.6	80		6.0	B7G	T
2B3	*20 000 3*0	D1	1.7						D			A08	D
2B5	267 413 000		2.5		300		9		No Data Available			UX6	TT
2B5	634 224 370		1.2	1	90		2.6	1.1	80		1.1	B8A	TT
2B7	265 891 300	G1	2.5	3	250	125	9	1.1	100	100	1.1	UX7	DDP
2B7S	265 891 300	G1	2.5	3	250	100	6	1	100	100	1	UX7	DDP
2B21	300 200 000	D1	2.5				5		D			UX4	R
2B22	021 010 310	D1	6						D			A08	D
2B25	200 800 300		1.4						D			B7G	D
2B26	280 300 000		2.5				120		REC		30mA	UX4	R
2B35	123 000 000	D1	6						D			B3G	D
2B36	123 000 000	D1	4						D			B3G	D
2BN4	142 361 400		2	1.5	150		9	6.8	100		7	B7G	T
2BN4A	142 361 400		2	1.5	150		9	6.8	100		7	B7G	T
2C21	217 461 300	G1	6	16.5	250		8.3	1.3	100		1.3	UX7	TT
2C22	020 000 310	A1 G1	6	10.5	300		11	3	100		3	A08	T
2C23	264 300 000		7.5	32	350		16	1.55	100		1.5	UX4	T
2C25	264 300 000		7	100	350		50		No Data Available			UX4	T
2C26	020 000 310	A1 G1	6	15	350		16		100			A08	T
2C26A	020 000 310	A1 G1	6	15	350		16		100			A08	T
2C40	*21 010 310	A1 G1	6	5	250		20		100			A08	T
2C43	*21 010 310	A1 G1	6.3		400		38		100			A08	T
2C45	364 200 000		7	40	250		29		100			UX4	T
2C48	265 004 130		6	15	250	250	70		100	150		B8B	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
2C50	461 471 230		12.6		200		18	2.9	100			A08	TT
2C50	265 004 130		12	15	250	250	70		100	150		B8B	P
2C51	214 607 413		6	2	150		8.2	5.5	125		5.5	B9A	TT
2C51L	214 607 413		6		150		8.2	5.5	100			B9G	TT
2C52	461 471 230		12.5	2	250		1.3	1.9	200		1.9	A08	TT
2CY5	412 365 100		2.5	1	150	80	10	8	125	75	8	B7G	P
2D1	289 130 000		2.5						D			UX5	DD
2D2	892 310 000		2						D			B5	DD
2D4	892 310 000		4						D			B5	DD
2D4A	892 310 000		4						D			B5	DD
2D4B	091 231 800		4						D			B7	DD
2D13	023 180 000	D2	13						D			B5	DD
2D13A	823 190 000		13						D			B5	DD
2D13C	892 310 000		13						D			B5	DD
2D21	412 316 100		6		400		50	6k $\Omega$	No Data Available			B7G	THY
2DL4	414 234 464		2		150		12.5	14	No Data Available			B9A	T
2E22	254 130 000	A1	6	15	400	250	60	5.5	100	150		UX5	P
2E24	235 242 300	A1	3	18.5	400	200	16	3.2	200	100	3.2	A08	P
2E25	020 540 320		6	22.5	400	250	40		No Data Available			A08	P
2E26	125 141 300	A1	6	20	200	200	20	3.5	100	75	3.5	A08	P
2E30	413 365 200		3	20	250	250	40	3.7	100	100	3.7	B7G	P
2E31	652 430 000		1.25	0	20	20	0.4	0.5	No Data Available			B5A	P
2E32	652 430 000		1.25	0	20	20	0.4	0.5	No Data Available			B5A	P
2E35	652 430 000		1.25	0	20	20	0.27	0.38	No Data Available			B5A	P
2E36	652 430 000		1.25	0	20	20	0.27	0.38	No Data Available			B5A	P
2E41	658 243 000		1.25	0	20	20	0.36	0.37	No Data Available				P
2E42	658 243 000		1.25	0	20	20	0.35	0.37	No Data Available			B5A	P
2E50	412 265 300		6	20	250	250	10	3.4	100	100		B7G	P
2EA5	412 365 100		2.3	1	250	150	10	8	100	100		B7G	P
2EM5	092 310 800		2.1						D			B7G	DD
2EN5	092 310 800		2.1						D			B7G	DD
2ER5	142 360 100		2.3	1.2	200		10		100			B7G	T
2ES5	142 360 100		2.3	1	200		15	9.5	100		9.5	B7G	T
2EV5	265 424 300		2.4		250	75	11.5	8.8	100	80		B7G	P
2F7	275 641 300	G1	2.5	{	3	100	4		100	3.8		UX7	TP
				}	3	250	100	2.8	100	100			
2FH5	142 360 100		2.3	1	150		11	9	100			B7G	T
2FQ5	142 360 100		2.3	1.2	150		11.5	11	100			B7G	T
2FQ5A	142 360 100		2.3	1.2	150		11	12	100			B7G	T
2FS5	412 365 100		2.4	0.2	275	150	10	10	100	100		B7G	P
2FV6	265 424 300		2.4	1	150	75	10	8	100	80		B7G	P
2FY5	142 360 100		2.4	1.2	150		11	12	100			B7G	T
2GK5	142 360 100		2.3	1.2	150		11	15	No Data Available			B7G	T
2H1	026 447 300		2.1		150		3.2	2.1	100		2.1	A08	TT
2H1M	026 447 300		2	2	150		1.2	1	100		1	A08	TT
2HMD	452 310 000	A1 A2	4		200	100	3.8	1.1	100	100	1.1	B5	PP
2HR8	501 236 014		2.1		250	150	3	1.8	100	100		B9A	P
2J2	230 232 032	D1	2						D			B9A	D



VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
2K2	026 500 300	G1	2	2	100	100	2.5	0.9	100	100	0.9	A08	P
2L32	264 536 200		1.4	7	60	60	7	1.5	60	60		B7G	P
2L33	265 436 200		1.4	8.4	150	90	14.1	1.9	100	80		B7G	P
2L34	264 536 200		1.4	7	60	60	7	1.5	60	60		B7G	P
2L35	265 242 300		1.2		150	90	14.8	2.1	100	90		B7G	P
2L35	265 143 200		1.2	8.8	150	90	14.2	2.1	100	100		B7G	P
2M2M	264 536 200		1.2	3.5	60	60	3.7	1.1	80	60		B7G	P
2-01C	2** *** 300	D1	5						D			B7G	D
2P	642 300 000		2	22	250		40	7	100		7	B4	T
2S	289 130 000		2.5				15		REC		10mA	UX5	RR
2S/140G	208 130 800		6.3				5		D			B7G	R
2SC10	642 300 000		2.5	1	250		15	2.4	100			B4	T
2T4	642 310 600		2.3	2.7	75		18	7	75		7	B7G	T
2T/270K	112 311 100	D1	4						REC		5mA	B7G	R
2U14	642 300 000		2		150		2	0.6	125		0.6	B4	T
2U15	642 300 000		2		150		4	0.8	100		0.8	B4	T
2V2	020 000 03*	D1	2.5						D			A08	D
2V3	020 000 300	D1	2.5(3)						D			A08	R
2W3	020 800 030		2.5				60		REC		20mA	A08	R
2X2	300 200 000	D1	2.5(3)						D			UX4	R
2X2A	300 200 000	D1	2.5(3)						D			UX4	R
2X3	020 800 030		2.5				120		REC		30mA	A08	R
2XP	642 300 000		2	36	300		50	7	100		7	B4	T
2Y2	200 300 000	D1	2.5				5		D			UX4	R
2Z2	280 300 000		2.5				60		REC		20mA	UX4	R
2.5C9	642 300 000		2.5	4	250		8	2.2	100			B4	T
3	642 300 000		2	7.5	150		3.4	0.9	100		0.9	B4	T
3A2	230 232 032	D1	3						D			B9A	D
3A3	*2* 0*0 3*0	D1	3						D			A08	D
3A4	365 426 300		1.4	8.4	150	90	13.3	1.9	100	75	1.9	B7G	P
3A5	264 347 200		1.4	2.5	90		3.7	1.8	80		1.8	B7G	TT
3A8	237 546 380	G1	1.4	{ 0	90		0.2	0.3	80		0.3	A08	DTP
				{ 0	90	90	12	0.7	80	60			
3A/107A	264 300 000		4	8	150		6.5	1.6	100		1.6	UX4	T
3A/107B	642 300 000		4	8	150		6.5	1.6	100		1.6	B4	T
3A/108A	264 300 000		2	1.5	150		0.9	0.5	100		0.5	UX4	T
3A/108B	642 300 000*		2	1.5	150		0.9	0.5	100		0.5	B4	T
3A/109A	264 300 000		4	8	150		19	1.2	100		1.2	UX4	T
3A/109B	642 300 000		4	8	150		19	1.2	100		1.2	B4	T
3A/154M	260 0*4 130		6	2	250		12	3	100		3	B8B	T
3A/167M	2*0 61* 430		6.3	3.5	200		10	30	No Data Available			B8G	T
3AB4	602 304 100		3.1	2	250		10	5.5	100			B7G	T
3AE4	365 004 230		1.4	9	90	90	1.8	1.6	80	75	1.6	A08	P
3AF4A	642 314 600		3	4	100		15	6.6	100		7.5	B7G	T
3AJ8	541 237 464		3.1	{ 3	100		5	2.3	100	60	2.3	B9A	TH
				{ 2	250	100	6.5	2.4	150	100	2.4		
3AL5	192 310 800		3				5		D			B7G	DD

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
3AT4A	602 304 100		3.1	1	200		11.5	6.7	100			B7G	T
3AU6	412 365 100		3	1.0	250	150	10	5.2	100	150	5	B7G	P
3AV6	412 398 600		3	2	250		1.2	1.6	200		1.6	B7G	DDT
3AW3	*2* 0*0 3*0	D1	3.1						D			A08	D
3AY6	412 389 600		3	2	250		1.2	1.6	200		1.6	B7G	DDT
3AZ4	020 809 030		5				60		REC		15mA	A08	RR
3B2	*2* 0** 3*0	D1	3						D			B8A	D
3B4	524 332 600		1.25	10	150	125	30	2.2	100	100	2	B7G	P
3B5	036 540 320		1.4	7	75	75	6.7	1.5	80	60	1.5	A08	P
3B7	364 204 730		1.4	0	90		5.2	1.85	80		1.8	B8B	TT
3B24	320 200 000	D1	2.5				30		REC		15mA	UX4	R
3B29	300 200 000	D1	2.5					REC					R
3B/102B	643 210 000		6		400		100	6	No Data Available			B5	T
3B/240M	214 444 130	A1	6	1	300		50	27	No Data Available			B8B	T
3B/241M	214 444 130	A1	19	1	300		50	27	No Data Available			B8B	T
3B/252E	642 310 000		6	20	400		60	10	100		8	B5	T
3BA6	412 365 100		3	1	250	100	11	4.4	100	100	4.4	B7G	P
3BC5	412 365 100		3	1.3	250	150	7.5	5.7	100	150	5.8	B7G	P
3BE6	412 366 100		3.1	2	100	100	11	7	100	100	5	B7G	H
3BF6	142 360 100		3.1	9	250		9.5	1.9	100			B7G	T
3BN4	142 361 400		2.8	2	150		9	6.8	100		6	B7G	T
3BN6	412 354 600		3	1	60	60	0.5	1	80	60	1	B7G	P
3BU8	157 231 461		3	1	100	60	1	1.5	100	60	1.5	B9A	PP
3BX6	141 230 651		3.4	2	200	175	10	7.2	100	100	6	B9A	P
3BY6	412 365 400		3	2.5	250	100	6.5	2.4	100	100	2.0	B7G	H
3BY7	141 230 651		3.2	1.8	250	75	8	5.7	100	75		B9A	P
3BZ6	412 365 100		3	1.0	150	125	14	8	200	150	6	B7G	P
3C2	020 *3* 2*0		1.5						D			A08	D
3C4	365 *24 300		1.4	5.2	90	90	5.0	1.4	80	75	0.7	B7G	P
3C5	036 540 320		1.4	9	90	90	6	1.4	80	75	1.4	A08	P
3C6	206 447 320		1.4	0	90		4.5	1.3	80		1.3	B8D	TT
3C24	200 300 000	A1 G1	6.3	3	400		4.5	1.2	100			UX4	T
3C36	412 365 100		3	2.2	200	150	9.5	6.2	100	150	6	B7G	P
3CB6	412 365 100		3	1.0	150	125	13	8.0	100	150	6.0	B7G	P
3CE5	412 365 100		3.1	2.1	200	150	9.5	6.2	100	100		B7G	P
3CF5	402 365 100		3.1		150	125	11	7.6	100	100		B7G	P
3CF6	412 365 100		3	1.0	150	125	12	7.8	100	150	6	B7G	P
3CS6	412 365 100		3	1.0	100	30	1.0	1.1	100		1.1	B7G	H
3CY5	412 365 100		2.9	1	150	75	10	9	100	80	8	B7G	F
3D6	365 004 230		1.4	4.5	150	90	10.2	2.4	100	75	2.4	B8B	P
3D21A	320 504 210	A1	6.3	30	400	300		5.5	No Data Available			A08	P
3DG4	414 234 464		2.6		150		12.5	14	No Data Available			B9A	T
3DG4	1*1 080 900		3.3				120		REC		30mA	A08	RR
3DK6	412 365 100		3.1	0.9	150	125	12	9.8	100	100	9.5	B7G	P
3DL4	414 234 464		2.6	1.2	150		12	14	No Data Available			B9A	T
3DT6	412 365 100		3	2.2	150	100	1.1	0.8	150	100	2.0	B7G	P
3E5	365 024 300		1.4	8	90	90	6	1.2	80	75	1.2	B7G	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
3E6	265 134 020		1.4	0	90	90	2.5	1.8	90	90	1.8	A08	P
3EA5	402 365 100		3	1	250	100	10	8	100	100		B7G	P
3EH7	141 230 651		3.4	2	200	90	12	12.5	No Data Available			B9A	P
3EJ7	141 230 510		3.4	2.5	200	200	10	15	No Data Available			B9A	P
3ER5	142 360 100		3.6	1.2	250		10	10.5	100			B7G	T
3ES5	142 360 100		3	1	200		15	9.5	100			B7G	T
3EV5	265 424 300		2.9		250	75	11.5	8.5	100	80		B7G	P
3FH5	142 360 100		3	1	150		11	9	100			B7G	T
3FQ5	142 360 100		2.8	1.2	150		11.5	11	100			B7G	T
3FQ5A	142 360 100		2.8	1.2	150		11	12	No Data Available			B7G	T
3FS5	412 365 100		2.9	0.2	300	150	9	10	No Data Available			B7G	P
3FY5	142 360 100		3.1	1	150		11	13	No Data Available			B7G	T
3G10	892 300 000		2.5				30		REC	15mA		B4	RR
3G130	265 300 000		2.5				30		REC	15mA		B4	RR
3GK5	142 360 100		2.8	1	150		11.5	15	No Data Available			B7G	T
3GS8	156 231 471		3.1		100	75	2	1.2	100	75		B9A	PP
3HM5	412 360 100		2.9	1.2	150		12.5	14.5	No Data Available			B7G	T
3HS8	157 231 461		3.1		100	75	2	0.4	100	75	0.4	B9A	PP
3L31	265 436 200		1.4	8.7	150	90	14.2	2.1	100	90		B7G	P
3L35	265 243 200		1.4		150	125	18.5		100	100		B7G	P
3LE4	365 004 230		1.4	9	90	90	1.8	1.6	80	75	1.6	A08	P
3LF4	365 004 230		1.4	4.5	90	90	8	2	80	75	2	B8B	P
3Q4	364 526 300		1.4	5	90	90	6.9	1.97	80	75	1.9	B7G	P
3Q5	036 540 320		1.4	4.6	90	90	9	2	80	75	2	A08	P
3S4	364 526 300		1.4	7	90	75	7.4	1.57	80	60	1.5	B7G	P
3S4T	264 526 300		1.4	7	90	60	7.4	1.4	80	60	1.4	B7G	P
3SB6	036 540 200		1.4		90	60	1.4	0.6	80	60		A08	P
3V4	365 024 300		1.4	4.5	90	90	7.7	2	80	75	2	B7G	P
3W4	264 536 200		1.4	5.2	90	90	6.8	1.7	80	75	1.5	B7G	P
3Y4	264 536 200		1.4	5.4	60	60	5	1.2	80	60		B7G	P
3Y6A1	023 104 560		6.3		400	300		2	No Data Available			F8	P
3Z4	264 536 200		1.4	7	60	60	6.5	1.4	No Data Available			B7G	P
4	642 300 000		2	1	150		1	0.9	150		0.9	B4	T
4/100BU	892 300 000		4				120		REC	30mA		B4	RR
4A6G	026 447 230		2	1.5	90		1.2	0.9	80		0.9	A08	TT
4A07	642 300 000		4	2	100		1.4	1.2	100		1.2	B4	T
4A08N	642 300 000		4		200		6	2.4	100			B4	T
4A10	642 300 000		4	2.5	150		6	1.8	125		1.8	B4	T
4A15	642 300 000		4		100		7	2.2	100		2.2	B4	T
4A80	642 310 000		4		150		6	2	150		2	B5	T
4A80N	642 310 000		4		200		6	2.4	100			B5	T
4A90	642 310 000		4		200		8	3.5	100		3	B5	T
4A120	642 310 000		4		150			1.4	125		1.4	B5	T
4AU6	412 365 100		4	1	250	150	10	5.2	100	60	5.2	B7G	P
4AV6	412 389 600		4.2	2	250		1.2	1.6	100		1.2	B7G	DDT
4BA6	412 365 100		4.2	1	250	100	11	4.4	100	100	4.4	B7G	P
4BC5	412 365 100		4.2	1.3	250	150	7.5	5.7	100	150	5.7	B7G	P
4BC8	741 236 410		4.2	2.2	150		10	6.2	150		5	B9A	TT

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
4BE6	412 366 100		4.2	2	100		11	7	100		5	B7G	H
4BL8	645 237 114		4.5	2	100		14	5	100		5	B9A	TP
4BN4	142 361 400		4	2.2	150	175	10	6.2	100	100	7		
4BN6	142 354 600		4.2	1	60	60	0.5	1.0	80	60	1.0	B7G	P
4BQ7A	741 236 410		4	2	150		9	6.4	100		6	B9A	TT
4BS8	641 237 410		4.2	4.4	150		10	7.2	100		7	B9A	TT
4BU8	157 231 461		4.2	1	150	100	4	3.5	150	100	3.5	B9A	PP
4BX8	641 237 410		4.2		150		11	7.5	125			B9A	TT
4BZ6	412 365 100		4.2	1	100	100	12	8	100	100	8	B7G	P
4BZ7	741 236 410		4.2	2.2	150		10	6.8	100			B9G	TT
4BZ8	641 237 410		4.2	2	150		10	8	125		8	B9A	TT
4BZ11	741 236 410		4	2.2	150		10	6.8	100		6	B9A	TT
4C1	264 300 000		3	3	90		5	1	80		1	UX4	T
4C1A	264 300 000		3	3	90		5	1	80		1	UX4	T
4C2	642 310 000		4	5	150		11	2.5	125		2.5	B5	T
4C3	642 310 000		4	3.5	200		6	2.4	100		2	B5	T
4C4	642 310 000		4	3.5	200		6	2.4	100		2	B5	T
4C5	642 300 000		4	10	400		30	4	No Data Available			B4	T
4C101	023 004 060		4	45	250		60	6	100			F8	T
4C102	642 300 000		4	45	250		40	2	No Data Available			B4	T
4C103	642 300 000		4	35	250		45	3.5	No Data Available			B4	T
4CB6	412 365 100		4.2	1	150	125	13	8	125	125	8	B7G	P
4CE5	412 365 100		4.2	1	150	125	11	7.6	125	125	7.6	B7G	P
4CF6	412 365 100		4.2	2	200	150	9.5	6.2	100	100		B7G	P
4CF8	501 236 014		4.5	2	250	150	3	2	100	100		B9A	P
4CM4	641 234 146		3.6	1.5	200		12	14	No Data Available			B9A	T
4CS6	412 365 100		4	1	100	30	1	11	No Data Available			B7G	P
4CX7	641 237 410		4.2	10	150		9	6.4	150			B9A	TT
4CY5	412 365 100		4.2	1	150	80	10	8	125	75	8	B7G	P
4D1	000 231 600	G1	13	3	250		10	5	100		4	B7	T
4D80	642 310 000		4		100		2	1	100		1	B5	T
4DE6	412 365 100		4.2	1.1	150	125	15.5	8	100	100		B7G	P
4DK6	412 365 100		4.2	0.9	150	125	12	9.7	100	100	9.5	B7G	P
4DL4	414 234 464		4	1.2	150		12	14	No Data Available			B9A	T
4DT6	412 365 100		4.2		150	150	12	9	150	100	2	B7G	P
4DT6A	412 365 100		4.2		150	100	12	9	150	100	2	B7G	P
4E2	023 189 560	G1	4	14	250	275	72		100	100		8SC	DDP
4E4	023 110 560	G1	4	2	250	100	3	2.1	100	100		8SC	P
4E104	265 004 130		4	6	250	250	36	9	100	100		B8G	P
4E201	023 110 560		4	3	250	100	8	1.8	100	100		F8	P
4EH7	141 230 651		4.4	2	200	100	12	12.5	100	100		B9A	P
4EJ7	141 230 651		4.4	2.5	200	200	10	15	No Data Available			B9A	P
4ER5	142 360 100		4.2	1.2	200		10	10.5	100			B9A	T
4ES8	741 236 410		4	1.2	90		15	12.5	No Data Available			B9A	TT
4EW6	412 365 100		4.2	0.8	150	125	11	14	No Data Available			B7G	P
4FC7	146 234 117		3.8	1.2	90		15	12.3	80			B9A	T

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
4FS7	141 234 675		4.6	{ 3 1.2	100 200	150	14 10	5.5 1.2	100 100	60 100		B9A	TP
4G30	892 300 000		4				15		D			B4	RR
4G105	892 300 000		4				30		REC	15mA		B4	RR
4G200	892 300 000		4				60		REC	20mA		B4	RR
4G5000	023 000 000	D1	4						D			F8	R
4GG1	892 300 000		4				30		REC	15mA		B4	RR
4GG2	892 300 000		4				60		REC	20mA		B4	RR
4GG3	892 300 000		4				120		REC	30mA		B4	RR
4GG4	023 080 090		4				30		REC	15mA		F8	RR
4GK5	142 360 100		4	1	150		11.5	15	No Data Available			B7G	T
4GM6	412 365 100		4.2		150	125	14	13	No Data Available			B7G	P
4GS8	156 231 471		4.2		100	75	2	1.2	100	75		B9A	PP
4GZ5	142 345 600		4		250	250	16	8.5	100	100		B7G	P
4H07	642 300 000		4		150		3	1.1	100		1	B4	T
4H07N	642 300 000		4		150		3	1.1	100			B4	T
4H08	642 300 000		4		150		5	1.2	100		1	B4	T
4H80	642 300 000		4		150		3	1.1	100		1	B4	T
4HS8	157 231 461		4.2		100	75	2	0.4	100	75	0.4	B9A	PP
4K30	642 300 000		4	10	150		20	3.6	100		3	B4	T
4K32	642 300 000		4	15	200		30	3.6	100		3.0	B4	T
4K50	642 300 000		4	20	200		60	5	No Data Available			B4	T
4K60	642 300 000		4	20	300		60	3.5	No Data Available			B4	T
4K61	642 300 000		4		300			3	No Data Available			B4	T
4K100	642 300 000		4	3	300	200	50	4	No Data Available			B4	T
4L11	642 300 000		4		150		7	1.4	100		1.0	B4	T
4L12	642 300 000		4		150		9	2	100		1.5	B4	T
4L13	642 300 000		4		200		8	2	100		2	B4	T
4L13A	642 300 000		4	11	200		14	2.5	100			B4	T
4L14	642 300 000		4		200		10	2.2	No Data Available			B4	T
4L15	642 300 000		4		100			2.2	100		2.2	B4	T
4L16	642 300 000		4	8	150		100	2.2	100		2.0	B4	T
4L20	642 300 000		2		100			1.4	100		1.4	B4	T
4L28	642 300 000		4	4	150		10.5	4	100		3	B4	T
4L29	642 300 000		4	8	150		20	3.6	100			B4	T
4LMBT	642 310 000		4	1	200		3.4	2.6	100		2	B5	T
4MBT	642 310 000		4	1	200		3.4	2.6	100		2.6	B5	T
4MP12	412 365 400		4	6	200	175	25	5.5	100	100		B7G	P
4N08	642 300 000		4		100		8	1.2	100		1.2	B4	T
4N100	642 310 000		4		150			3.5	100		3	B5	T
4N110	642 310 000		4		200		5	1.5	100		1.3	B5	T
4NG	892 300 000		4				30		REC	15mA		B4	RR
4P25	642 300 000	G2	4	19	250	150	12	1.3	100	100		B4	P
4R-HH2	741 236 410		4.2	1	90		8.5	8	80		8	B9A	TT
4R-HH8	641 237 410		4.2	1	100		16	16	No Data Available			B9A	TT
4R-HH9	641 237 410		4.2		90		16	16	No Data Available			B9A	TT
4S	289 130 000		2.5						D			UX5	DD
4S09	542 300 000	A1	4		200		1	0.6	100			B4	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE	
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V			
4S120	542 310 000	A1	4		200		2	0.7	100	100		B5	P	
4S121	542 310 000	A1	4		200	100	6	1	100	100		B5	P	
4S126	542 310 000	A1	4	2	200	100	3	2	100	100		B5	P	
4T1	642 314 600		4.7		75		16	6.6	75			B7G	T	
4THA	645 231 700	G1	4	{	5	100		1.5	1.5	80	60	1.5	B7	TH
				2	250	100		3.5	2.5	100	100	2.2		
4TP	446 231 500	A2	4	5	150	150	16	4.5	150	100	4.5	B7	TP	
4TPB	061 321 500	G1	4	3	250	150	12	8	100	100	7	B7	P	
4TSA	045 231 600	A1	4		250	100	5	1.6	250	100	1.6	B7	P	
4TSP	041 231 500	A1	4	3	250	150	12	8	100	100	7	B7	P	
4U130	643 210 000		3.5		100			2.8	100			B5	T	
4W03	642 300 000		4				80	0.04	1.1	80		1.1	B4	T
4W03N	642 300 000		4				200	0.4	1.1	100		1.0	B4	T
4W08	642 300 000		4				150			100			B4	T
4W100	642 310 000		4				200	1.5	3.5	100		3	B5	T
4W120	642 310 000		4				200	2	0.7	100			B5	T
4W200	642 310 000		4				150		3.3	100		3	B5	T
4X150A	512 1*1 314	A1	6.3	30	250	200	32	4.0	100	100			B9G	P
4XP	642 300 000		4	28.5	250		48	5	100		7		B4	T
4Z60A	023 080 090		4				30		REC		15mA		F8	RR
5A6	601 225 413		2.5	15	150	150	20		100	100			B9A	P
5A/102D	026 510 310	G1	7.5	18	200	150	42	2.5	100	100	2.5		A08	P
5A/136D	026 510 310	G1	7.5	5.5	250	150	5.2	2	100	100	2		A08	P
5A/137D	026 510 310		6.3	2	250	100	1.8		100	100			A08	P
5A/150A	265 113 00	G1	10	5.5	250	150	5.2	2	100	100	2		UX6	P
5A/152M	265 104 130		6	2	250	150	10	7.5	100	100	5		B8B	P
5A/155M	256 101 403		6	2	250	250		6.5	100	100	5		B9G	P
5A/156M	265 114 113		6	1.7	250	250	10	7.7	100	150	6		B9G	P
5A/157D	026 510 310	G1	6	2	250	100		1.8	100	100	1.8		A08	P
5A/159G	412 361 500		6.3	2	250	250	10	7.5	100	100	5		B7G	P
5A/159H	412 361 500		6.3	2	250	250	10	7.5	100	100	5		B7G	P
5A/160H	412 361 500		6.3	2	250	250	10	7.5	100	100	5		B7G	P
5A/160K	412 361 500		6.3	2	250	250	10	7.5	100	100	5		B7G	P
5A/163K	141 236 115		6	1.5	200	200	15	15	No Data Available			B9A	P	
5A/170K	141 230 615		6.3	1.5	200	150	13	16.3	No Data Available			B9A	P	
5A/171G	102 513 410	A1	6	5	100	100	20	2.7	100	100	2.5		B8D	P
5A/180M	412 365 400		6.3		200	150	26	32	No Data Available			B8G	P	
5A/189KY	412 361 500		6.3	2	250	250	10	7.6	100	100	5		B7G	P
5AM8	145 236 181		5	1.7	200	150	11.5	7.0	100	150	7.0		B9A	DP
5AN8	641 237 541		5	{	6	200		13	3.3	100	60	3	B9A	TP
				2.2	200	150		9.5	6.2	100	150	6		
5AQ5	412 365 400		5	12.5	250	250	45.0	4.1	100	150	4.0		B7G	P
5A .R4	*30 809 020		5				120		REC		30mA		A08	RR
5A S4	030 908 020		5				120		REC		30mA		A08	RR
5A S4A	020 908 030		5				120		REC		40mA		A08	RR
5A S8	451 238 116		5	2.2	200	150	9.5	6.2	100	150	6.0		F9A	DP
5A T4	070 809 020		5.0										A08	R
5A T8	461 237 514		5	{	1	100		8.5	5.8	100	60	5	B9A	TP
				1.8	250	150		7.7	4.6	100	150	4		

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE	
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V			
5AU4	020 809 030		5				180		REC		40mA	A08	R	
5AV8	146 234 157		5	{	6	200		13	3.3	100	60	} B9A	TP	
					2.2	200	150	9.5	6.2	100	100			
5AW4	020 809 030		5				120		REC		40mA	A08	RR	
5AW8	641 237 541		4.7	{	6	200		13	3.3	100	60	} B9A	TP	
					2.1	200	150	9.5	6.2	100	150			3
5AX4	020 809 030		5				60		REC		20mA	A08	RR	
5AZ4	020 809 030		5				60		REC		20mA	B8B	RR	
5B1	542 300 000	A1	2		1	150	90	2	1.4	150	90	1.3	B9A	P
5B8	146 234 157		5	{	6	200		13	3.3	100	60	} B9A	TP	
					1.8	200	150	9.5	6.3	100	150			6
5B/110M	265 104 130		6		6	250	150	38	6.5	100	100	5	B8B	P
5B/250A	254 130 000	A1	6		12.5	400	250	83	6.3	100	150	6	UX5	P
5B/251M	215 044 130	A1	6		15	250	250	72	6	100	100	5	B8B	P
5B/252M	265 044 130		6		15	250	250	72	6	100	100	5	B8B	P
5B/253M	265 044 130		19		15	250	250	72	6	100	100	5	B8B	P
5B/254M	215 144 130	A1	6		20	300	250	50	5.6	100	100	5	B8B	P
5B/255M	265 144 130		6		20	300	250	50	5.6	100	100	5	B8B	P
5B/256M	215 144 130	A1	19		20	300	250	50	5.6	100	100	5	B8B	P
5B/257M	265 144 130		12		20	300	250	50	5.6	100	100	5	B8B	P
5B/258M	215 144 130		19		14	250	250	72	6	No Data Available			B8B	P
5B/354D	*36 541 210		6.3		20	300	150	90	10	No Data Available			A08	P
5B/355D	*36 541 210		6.3		20	300	150	90	10	No Data Available			A08	P
5BC3	2*3 *9* **8		5				120		REC		40mA	B9A	RR	
5BE8	461 237 414		4	{	1	150		18	8.5	100	60	} B9A	TP	
					1	250	100	10	5.2	150	100			7
5BK7A	741 236 411		5		2	150		10.7	9.3	100		9	B9A	TT
5BQ7A	741 236 410		5.6		2	150		9	6.4	100		5	B9A	TT
5BR8	461 237 514		5	{	1	150		18	8.5	100	60	} B9A	TP	
					0.9	250	100	10	5.2	100	100			8
5BS8	641 237 410		5.6			150		10	7.2	100			B9A	TT
5BT8	981 236 541		4.7		2.2	200	150	9.5	6.2	100	100		B9A	DDP
5BW8	918 234 156		4.7		1.1	250	100	10	5.2	100	100		B9A	DDP
5BX7	641 237 410		5.6			150		10	6.8	100		6.8	B9A	TT
5BZ7	741 236 410		5.6		2.2	150		10	6.8	100		6	B9A	TT
5CG4	030 809 020		5				60		REC		20mA	A08	RR	
5CG8	461 237 514		4.7	{	0.9	100		8.5	5.8	100	60	} B7G	TP	
					1.9	250	150	7.7	4.6	100	100			5.8
5CL8	461237 514		4.7	{	0.9	150		15	8	100		} B9A	TP	
					1	150	125	12	5.8	100	100			0.8
5CM6	504 234 106		4.7		12.5	250	250	45	4.1	100	100	4	B9A	P
5CM8	641 237 514		4.7	{	2	250		1.8	2	100	60	} B9A	TP	
					2.2	200	150	9.5	6.2	100	100			
5CQ8	645 237 114		4.2	{	0.8	150	125	15	8	100		} B7G	TP	
					1	150		12	5.8	125	125			8
5CR8	641 237 514		4.7	{	2	125		12	4	100	60	} B9A	TP	
						125	125	13	7.7	100	100			4
5CU4	120 809 030		5				180		REC		60mA	A08	RR	
5CZ5	504 234 1*6		4.7		6.7	100	100	43	9	100	100		B9A	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
5DH8	461 237 514		5.2	{ 2.5 1	250 150		7 13	4.4 8.6	100 125	60 125	4 8.6	B9A	TP
5DJ4	228 899 330		5.0				120		REC		40mA	A08	RR
5DN4	228 899 330		5				120		REC		40mA	A08	RR
5E255	642 350 000		2	4.5	150	150	9.5	2.5	100	100	2.5	B5	P
5E415	642 350 000		4	25	300	200	20	1.7	100	150	1.7	B5	P
5EA8	645 237 114		4.7	{ 1 1	150 150		18 12	8.5 6.4	100 100		8.5 6.4	B9A	TP
5EH8	146 231 457		4.7	{ 1 1	150 150		13.5 12	7.5 6	100 100	60 100		B9A	TP
5ES8	641 237 410		5.6	1.2	90		15	12.5	100			B9A	TT
5EU8	746 231 415		4.7	{ 1 1	150 150		18 12	8.5 6.4	100 100	60 100		B9A	TP
5EW6	412 365 100		5.6	0.8	150	125	11	14	No Data Available			B7G	P
5FC7	146 234 117		5.1	1.2	100		15	12.3	No Data Available			B9A	TT
5FG7	461 237 514		4.7	{ 1 1	150 150	125	13 11	7.5 6	100 100	60 100	7 6	B9A	TP
5FV8	461 237 514		4.7	{ 1 1	150 150		14 12	8 6.5	100 100	60 100	8 6.5	B9A	TP
5GK18	020 809 030		5						REC			A08	RR
5GK20	030 809 020		5				120		REC		40mA	A08	RR
5GK22	030 809 020		5						REC			A08	RR
5GK24	030 809 020		5				120		REC		30mA	A08	RR
5GH8	645 237 114		4.7	{ 1 1	150 150	125	13 12	8.5 7.5	100 100	60 100		B9A	TP
5GM6	412 365 000		5.6	56	150	150	14	13	No Data Available			B7G	P
5GX6	412 365 100		4.7		150	100	3.7	3.7	100	100		B7G	P
φ 5J6	672 344 100		5	{ 0.8 3	100 150		8.5 5	5.3 4.5	100 100		5.3 5.3	B7G	TT
5MK9	002 380 000		5				60		REC		20mA	B7G	R
5MHH3	672 344 100		4.7	1	100		11	7.5	100		7.5	B7G	TT
5M-HH3	142 360 100		4.7	1	100		11	7.5	100		7.5	B7G	T
5P29	120 540 310	A1	6	7	250	250	100	14.3	No Data Available			A08	P
5Q5	036 540 320		1.4	4.6	90	90	4.5	2	80	75	2	A08	P
5R4	020 809 030		5(5.7)				60		REC		25mA	A08	RR
5R4GY	020 809 030		5(5.7)				60		REC		20mA	A08	RR
5R-DDH1	911 238 641		4.7	2	250		1.6	1.6	100		1.6	B9A	DDT
5RHH5	641 227 413		4.6	1	100		0.6	0.3	100		0.3	B9A	TT
5RK16	800 230 090		5				120		REC		30mA	B9A	RR
5T4	020 809 030		5				120		REC		30mA	A08	RR
5T4A	041 231 500	A1	4	4.5	250	150	4.5	1.7	100	100		B7	P
5T8	†91 238 146		5	3	250		1.0	1.2	150		1.3	B9A	DDDT
5U4	020 809 030		5(5.7)				120		REC		70mA	A08	RR
5U8	645 237 114		5	{ 1 1	150 250	100	18 10	8.5 5.2	100 100	60 100	7 5	B9A	TP
5V3	020 809 030		5				120		REC		30mA	A08	RR
5V4	030 809 020		5(5.7)				60		REC		60mA	A08	RR
5V6	026 540 310		4.7	12.5	250	250	45	4.1	100	150	4	A08	P



VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
5W4	020 809 030		5				60		REC		20mA	A08	RR
5X3	289 300 000		5				15		REC		10mA	A08	RR
5X4	008 090 230		5				120		REC		30mA	A08	RR
5X8	146 231 457		5	1.8	100	150	8.5	5.8	100	60	5	B9A	TP
5Y3GB	030 809 020		5(5.7)				7.7	4.6	100	150	4		
5Y3GR	020 809 030		5(5.7)				60		REC		20mA	A08	RR
5Y3GT	020 809 030		5(5.7)				60		REC		20mA	A08	RR
5Y4	008 090 230		5				60		REC		30mA	A08	RR
5Y4SG	008 090 230		5				60		REC		20mA	A08	RR
5Z3	289 300 000		5(5.7)				120		REC		30mA	UX4	RR
5Z4	030 809 020		5(5.7)				60		REC		40mA	A08	RR
5Z4G	030 809 020		5(5.7)				60		REC		40mA	A08	RR
5Z10	020 908 030		5				120		REC		30mA	B8A	RR
6/30L2	741 236 410		6.3	7.9	200		10	3.4	100	100	3	B9A	TT
6A3	264 300 000		6	36	250		60	5.25	100		5	UX4	T
6A4	264 530 000		6	9	150	150	14	1.9	100	100	1.9	UX5	P
6A5	026 040 310		6	45	250		60	5.25	100		5	A08	T
6A6	274 146 300		6	5	250		3.0	1.6	100		3.1	UX7	TT
6A7	265 541 300	G1	6	8	250	100	3.5	1.1	100	100	1.1	Sm7	H
6A7E	265 541 300	G1	6	8	250	100	3.5	1.1	100	100	1.1	Sm7	H
6A7S	265 541 300	G1	6	8	250	100	3.5	1.1	100	100	1.1	Sm7	H
6A8GT	026 545 310	G1	6	8	250	100	3.5	1.1	100	100	1.1	A08	H
6A10C	026 541 340		6		250	100	3.5		100	100		A08	H
6AB4	602 304 100		6	2	250		10	5.5	100		5.5	B7G	T
6AB6	026 740 310		6.3		250		34	1.8	100		1.8	A08	TT
					250		5		100				
6AB7	021 415 360		6	3	300	200	12.5	5	100	150	5	A08	P
6AB8	641 237 154		6	8	100		4	1.4	100	60	1.4	B9A	TP
					200	200	17.5	3.5	100	150	3.5		
6AC5	026 040 310		6	0	250		2.5		No Data Available			A08	T
6AC6	026 740 310		6		200		45	2	100		2	A08	TT
6AC7	021 415 360		6	2	300	150	10	9	100	100	8	A08	P
6AD4	402 013 080		6	11.5	100		1.4	2	100		2	B8B	T
6AD5	026 040 310		6	1	250		0.9	1.5	200		1.5	A08	T
6AD7	427 546 310		6	16.5	250	250	4	0.3	100	60	0.3	A08	TP
					250	250	34	2.5	100	150	2.5		
6AD8	541 236 891		6	2.0	250	90	6.7	1.1	100	90		B9A	DDP
6AE5	026 040 310		6	15	100		7	1.2	80		1.2	A08	T
6AE6	026 740 310		6	1.5	250		6.5	1	200		1	A08	TT
6AE7	026 414 310		6	13.5	250		10	3	100		3	A08	TT
6AE8	541 237 46*		6	2	100		5.2	2.2	100	60	2.8	B9A	TH
					250	90	3.5		150	90			
6AF3	*** 23* **8	C	6				120		REC		40mA	B9A	R
6AF4	642 314 600		6	4	100		15	6.6	80		6	B7G	T
6AF4A	642 314 600		6	3	100		20	7.5	100		7.5	B7G	T
6AF5	026 040 310		6	18	200		7	1.5	100		1.5	A08	T
6AG5	412 365 100		6	1.5	250	150	6.5	5	100	100	5	B7G	P
6AG6	026 540 310		6	6	250	250	32	10	100	150	9	A08	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE	
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V			
6AG7	120 415 360		6	3	300	150	30	11	100	100	410	A08	P	
6AH4	420 060 310		6	23	250		30	4.5	100			A08	T	
6AH5	520 604 310		6	18	350	250	54	5.2	100	150	5	A08	P	
6AH6	412 365 100		6	2	300	150	10	9	100	100	8	B7G	P	
6AH7	461 471 230		6	16	250		10	2.2	100		2.2	A08	TT	
6AH7GT	417 146 230		6	9	250		12	2.4	100		2.4	A08	TT	
6AJ4	414 464 234		6	2	125		8	7	100		10	B9A	T	
6AJ5	412 369 100		6	7.5	200	175	2.9	2.7	100	75		B7G	P	
6AJ7	020 415 360		6		300	150	10	9	150	150	7.5	A08	P	
6AJ8	541 237 164		6	{	3	100	5	2.3	100	60	2.3	B9A	TH	
				2	250	100	6.5	2.4	150	100	2.4			
6AK4	402 013 060		6	2.5	250		9.5	3.8	100		3	B8D	T	
6AK5	412 365 100		6	2.3	150	150	7	4.3	100	100	4	B7G	P	
6AK6	412 365 100		6	9	200	175	15	2.3	100	100	2.3	B7G	P	
6AK7	120 415 360		6	3	300	150	30	11	100	100	9	A08	P	
6AK8	†91 238 146		6	3	250		1.0	1.2	100		1.3	B9A	DDDT	
6AL3	*** 23* **8	C	6							D		B9A	D	
6AL5	192 310 800		6						D		6.0	B7G	DD	
6AL6	020 540 310	A1	6	14	250	250	72	6	100	150	6	A08	P	
6AL7	426 89† 310		6	6	300				100			A08	DDDT	
6AM4	414 464 234		6	1	200		10	9.8	100		6	B9A	T	
6AM5	412 360 500		6	13.5	250	250	16	2.6	100	150	2.6	B7G	P	
ξ6AM6	412 361 500		6	{	2	250	250	10	7.5	100	150	5	B7G	P
				1.5	200	150	4	6.4	100	150	5			
6AM8	145 236 181		6	1.7	200	150	11.5	7	100	150	7	B9A	DP	
6AM8A	145 236 181		6	1.7	200	150	9.5	5.8	100	150	7	B9A	DP	
6AN4	642 314 600		6	1.3	200		13	10	100			B7G	T	
6AN5	412 365 100		6	6	150	125	35	8	100	100	7	B7G	P	
6AN6	289 ††1 300		6						D			B7G	DDDD	
6AN7	541 230 764		6	{	2	100	5	2	100	60	2.8	B9A	TP	
				2	250	100	3	0.7	100	100				
6AN8	641 237 541		6	{	6	200	13	3.3	100	60	3	B9A	TP	
				2.2	200	150	9.5	6.2	100	150	6			
6AN8A	641 237 541		6	{	6	200	13	3.3	100	60	3	B9A	TP	
				2.2	200	150	9.5	6.2	100	100	6			
6AQ4	412 314 600		6	2	250		6	8.5	200		8	B7G	T	
6AQ5	412 365 400		6	12.5	250	250	45	4.1	100	150	4	B7G	P	
6AQ5A	412 365 400		6	12.5	250	250	45	4.1	100	150	4	B7G	P	
6AQ6	412 398 600		6	3	250		1.0	1.2	150		1.2	B7G	DDT	
6AQ7	918 461 230		6	2	250		2.3	1.6	100		1.6	A08	DDT	
6AQ8	741 236 410		6	2.3	250		10	5.5	100		5	B9A	TT	
6AR5	412 365 000		6	16	250	250	34	2.4	100	150	2.4	B7G	P	
6AR6	106 052 430		6	36	300	300	58	4.3	100	150	4.3	A08	P	
6AR7	461 891 230		6	2	250		1.3	1	200	1		A08	DDT	
6AR7GT	206 598 130		6	2	250	100	7	2.5	100	100	2.5	A08	DDP	
6AR8	115 324 166		6	3	250	250	10	4	100	100		B9A	P	
6AS4	001 080 230		6						REC			A08	R	
6AS5	142 345 600		6	8.5	150	125	35	5.6	100	100	5	B7G	P	

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
6AS6	412 365 100		6	2	150	125	5.5	3.5	100	100	3.5	B7G	P
6AS6	471 461 230		6	40	100		50	7	100			A08	TT
Δ6AS7	471 461 230		6	40	100				No Data Available			A08	TT
6AS8	541 238 116		6	2.2	200	150	9.5	6.2	100	150	6	B9A	DP
6AT6	412 389 600		6	3	250		1	1.2	100		1.2	B7G	DDT
6AT7	641 237 410		6	{ 2 1	250 100		10 3.7	5.5 4	100 100	60	5 4	B9A	TT
6AT8	461 237 514		6	{ 1 1.8	100 250	150	8.5 7.7	5.8 4.6	100 100	60 150	5.8 4	B9A	TP
6AT8A	461 237 514		6	{ 1 1.8	100 250	150	8.5 7.7	5.8 4.6	100 100	60 100	5.8 4	B9A	TP
6AU4	001 080 230		6				120		REC		40mA	A08	R
6AU5	421 060 350		6	20	200	150	50	5.6	80	60	6	A08	P
6AU6	412 365 100		6	1	250	150	10	5.2	100	100	3.9	B7G	P
6AU6A	412 365 100		6	1	250	150	10	5.2	100	100	3.9	B7G	P
6AU7	641 227 413		3	8.5	250		10	2.2	100		2	B9A	TT
6AU8	146 231 457		6	{ 1.2 1.5	150 200	125	8.5 15	4.8 7	100 100	60 100	5 7	B9A	TP
6AU8A	146 231 457		6	{ 1.2 1.5	150 200	125	8.5 15	4.9 7	100 100	60 100	5 7	B9A	TP
6AV4	802 309 100		6				30		REC		15mA	B7G	RR
6AV5	421 060 350		6	22.5	250	150	57	5.9	100	100	5.8	A08	P
6AV6	412 389 600		6	2	250		1.2	1.6	100		1.2	B7G	DDT
6AV8	464 231 751		6	6	200		13	3.3	100	60	3	B9A	TP
6AW4	289 130 000		6	2.2	200	150	9.5	6.2	100	150	6	B9A	TP
			6				30		REC		15mA	UX5	RR
6AW5	208 190 310		6				30		REC		15mA	A08	RR
6AW6	412 365 100		6	1.8	250	150	7	5	100	150	5	B7G	P
6AW7	149 816 230		6	0	100		1.4	1.2	100		1.2	A08	DDT
6AW8	146 231 457		6	{ 2 3	200 200	150	4 13	4 9	100 100	60 100	4 9	B9A	TP
6AX2	23* 232 *32	D1	6				120		REC		30mA	B9A	R
6AX4	001 080 230		6				120		REC		35mA	A08	R
6AX5	029 080 310		6				60		REC		20mA	A08	RR
6AX6	028 190 310		6				120		REC		30mA	A08	RR
6AX7	641 227 413		3	2	250		1.2	1.6	100		1.2	B9A	TT
6AX8	546 237 114		6	{ 1 1.2	150 250	100	18 10	8.5 4.8	100 100	60 100	8	B9A	TP
6AY3B	*8* 23* 8*1		5				180		REC		60mA	B9D	R
6AY3	*8* 23* 810		6				120		REC		30mA	B9A	R
6AY5	023 540 310	A1	6	12.5	250	250	47	4.1	100	150	4	A08	P
6AY8	026 589 310	G1	6	5	250	100	52	9.5	100	90	9	A08	DDP
6AZ5	810 230 190		6						D			B8A	DD
6AZ6	083 113 900		6						D			B8A	DD
6AZ8	751 324 164		6	{ 6 2.3	200 200	150	13 9.5	3.3 6	100 100	60 100	3 6	B9A	TP
6B3	080 230 808	C	6						D			B9A	R
6B4	026 040 300		6	45	250		60	5.2	100		5	A08	T
6B4	036 040 200		6	45	250		60	5.2	No Data Available			B8A	T

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
6B6	026 890 310	G1	6	2	250		0.9	1.1	100		1.1	A08	DDT
6B7	265 891 300	G1	6	3	250	150	9	1.1	100	100	1.1	Sm7	DDP
6B7E	265 891 300	G1	6	3	250	150	9	1.1	100	100	1.1	Sm7	DDP
6B7S	265 891 300	G1	6	3	250	150	9	1.1	100	100	1.1	Sm7	DDP
6B8	026 985 310	G1	6	3	250	150	10	1.3	100	100	1.3	A08	DDP
6B8G	026 985 310	G1	6	3	250	150	9	1.1	100	100	1.3	A08	DDT
6B8SG	026 985 310	G1	6	3	250	150	9	1.1	100	100	1.2	A08	DDP
6B11	276 454 130		6	3	100		5	2.3	100	60	2.3	B9A	TH
6B31	821 013 900		6.3		150	125	5		100	100			
6B32	182 311 900		6.3				5		D			B7G	DD
6BA3	*8* 23* 8*1		6.3				180		REC		35mA	B9A	R
6BA5	402 063 510		6	2	100	100	5.5	2.1	100	100	2	B8A	P
6BA6	412 365 100		6	1	250	100	11	4.4	100	100	4.4	B7G	P
6BA7	641 231 106		6	2	100		18	7.0	100		7	B9A	H
6BA8	146 231 457		6	8	200		8	2.7	100	60	5	B9A	TP
					2.5	200	150	13	9	100	100		
6BA8A	146 231 457		6	8	200		8	2.7	100	60	2.5	B9A	TP
					2.5	200	150	13	9	100	100		
6BC4	644 231 446		6	1.5	150		14.5	10	100		10.0	B8A	T
6BC5	412 365 100		6	1.3	250	150	7.5	5.7	100	150	5.7	B7G	P
6BC7	180 239 1†1		6				5		D			B9A	RRR
6BC8	741 236 410		6	2.2	150		10.0	6.2	150		5	B9A	TT
6BC32	412 389 600		6.3	2	250		1	1.6	100		1.2	B7G	DDT
6BD5	421 060 350		6	12	200	200		5	100	100	5	A08	P
6BD6	412 365 100		6	3	250	100	9	2	100	100	2	B7G	P
6BD7	641 238 09*		6	3.0	250		1.0	1.2	150		1.2	B9A	DDT
6BD7A	641 238 09*		6.3	3	250		1	1.2	150		1.2	B9A	DDT
6BE6	412 365 400		6	1.5	250	100	3	2.75	100			B7G	H
6BE7	541 236 114		6	1	250	20	0.95	0.7	No Data Available			B9A	N
6BE8	461 237 514		6	1	150		18	8.5	100	60	8	B9A	TP
					250	100	10	5.2	100	100			
6BF5	412 265 400		6	7.5	100	100	36	7.5	100	90	7	B7G	P
6BF6	412 398 600		6	9	250		9.5	1.9	100		1.9	B7G	DDT
6BF7	642 113 470		6	0.8	100		8	4.8	100		4.8	B8D	TT
6BG6	021 040 350	A1	6	15	250	250	75	6	No Data Available			A08	P
6BG7	742 113 460		6	0.8	100		8	4.8	100		4.8	B9A	TT
6BH3	*8* 23* 8*1		6.3				180		REC		50mA	B9D	R
6BH5	541 236 000		6	2.5	250	100	6	1.7	150	100	1.7	B9A	P
6BH6	412 365 100		6	1	250	150	7.4	4.6	100	100	3.4	B7G	P
6BH6	141 230 651		6.3		250	250	40	20	No Data Available			B9A	P
6BH8	146 321 457		6	5	150		9.5	3.3	100	60		B9A	TP
					1.6	200	125	15	7	100	100		
6BJ5	412 36* 500		6	5	250	250	35	10.5	100	150	10	B7G	P
6BJ6	412 365 100		6	1	250	100	9.2	3.6	100	100	3.6	B7G	P
6BJ7	1†0 239 181		6						D			B9A	DDD

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
6BJ8	645 237 114		6.3	8.5	250		10.5	2.2	100	60		B9A	TP
6BJ8	811 239 641		6		3	250	100	3	1.6	100	100		
6BK5	604 231 450		6	5	250	250	35	8.5	100	150	8	B9A	P
6BK6	412 389 600		6	2	250		1.2	1.6	100		1.6	B7G	DDT
6BK7	741 236 410		6	1.0	100		9	6.1	100		6.0	B9A	TT
6BK7A	741 236 410		6	2	150		10.7	9	100		9	B9A	TT
6BK7B	741 236 410		6	2	150		10.7	9	100		9	B9A	TT
6BK8	501 236 014		6		150	150	3	1.8	100	100		B9A	P
6BL4	**1 *8* 230		6				180		REC		40mA	A08	R
6BL7	471 461 230		6	9	250		40	7	100		6	A08	TT
6BL8	645 237 114		6	2	100		14	5	100	60	5	B9A	TP
6BM5	412 365 400		6		2	200	175	10	6.2	100	150		6
6BM8	414 237 516		6	1	200		3.7	2.5	100	60	2.5	B9A	TP
6BN4	142 361 400		6		16	200	200	35	6.4	100	100		6
6BN5	441 231 615		6	2.2	150		9	7	100		7	B7G	T
6BN6	142 354 600		6	10.8	250	225	26	3.2	100	150	3.2	B9A	P
6BN8	811 239 641		6.3	1	60	60	0.5	1.0	80	60	1	B7G	P
6BN8	026 895 310	G1	6	3	250	150	9	1.1	100	100	1.1	B9A	DDT
6BP16	260 153 041		6.3		150	150	50	26	No Data Available			B9A	P
6BQ5	*41 23* 6*5		6	7.3	250	250	48	11.3	100	150	10	B9A	P
6BQ6	020 540 310	A1	6	22.5	250	150	57	5.9	100	100	5	A08	P
6BQ7	741 236 410		6	2	150		9	6	150		6	B9A	TT
6BQ7A	741 236 410		6	2	150		9	6	100		5	B9A	TT
6BR7	041 230 651		6	3	250	100	2	1.2	100	100	1.2	B9A	P
6BR8	461 237 514		6	1	150		18	8.5	100	60	8	B9A	TP
					0.8	250	100	10	5.2	100	100		
6BR22	601 420 135		6.3		150	125	25	31	No Data Available			B9A	P
6BS3	*8* 23* 8*1		6.3				180		REC		40mA	B9D	R
6BS4	642 314 600		6	4	100		16	8	100		8	B7G	T
6BS5	541 236 **1		6	7.5	250	250	50	7	100	100		B9A	P
6BS7	001 230 651	G1	6	3	250	100	2	1.2	100	100	1.2	B9A	P
6BS8	641 237 410		6	2.2	150		10	7.2	100		7	B9A	TT
6BT4	280 009 130		6				30		REC		15mA	B8A	RR
6BT6	412 389 600		6	3	250		1	1.2	150		1.2	B7G	DDT
6BT8	891 236 541		6	2.2	200	150	9.5	6.2	100	100		B9A	DDP
6BU6	412 389 600		6	9	150		9.5	1.9	100		1.9	B7G	DDT
6BU8	157 231 461		6		100	60	2.2	1.5	100	60		B9A	PP
6BV7	865 239 141		6	5	250	250	38	10	100	150	10	B9A	DDP
6BV8	146 239 118		6	3.7	200		11	5.6	100			B9A	DDT
6BW4	800 230 901		6				30		REC		15mA	B9A	RR
6BW6	*41 230 651		6	13	300	225	34	3.7	100	150	3.7	B9A	P
6BW7	141 230 651		6	2.4	250	250	9.7	8.2	100	100	7	B9A	P
6BW8	918 234 156		6.3	1.1	250	100	10	5.2	100	100		B9A	DDP
6BX4	802 309 100		6				30		REC			B7G	RR
6BX6	141 230 651		6	3	200	200	8	7.2	100	100	7	B9A	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
6BX7	471 461 230		6	16.4	250		42	7.6	100		6	A08	TT
6BX8	641 237 410		6	5	150		11	7.5	125		7	B9A	TT
6BY5	120 980 310		6				60		REC		20mA	A08	RR
6BY6	412 365 400		6	2.5	250	100	6.5	2.4	100	100	2	B7G	H
6BY7	141 230 651		6	2	250	100	10	6	150	100	5	B9A	P
6BY8	411 238 651		6.3	1.1	100	100	5	3.9	100	150	10	B9A	DP
6BZ6	412 365 100		6	1	100	125	14	8	125	125	7	B7G	P
6BZ7	741 236 410		6	2.2	150		10	6.8	100		6	B9A	TT
6BZ8	641 237 410		6	1	150		10	8	125		8	B9A	TT
6C2C	026 447 300		6.3	8	250		9	2.6	100			A08	TT
6C3M	026 040 300		2	2.5	150		1.5	1.3	100		1.3	A08	T
6C4	602 364 100		6	8.5	250		10.5	2.2	100		3	B7G	T
6C4C	026 040 300		6.3		250		60	5.2	100			A08	T
6C5	026 040 310		6	8	250		8	2	100		2	A08	T
6C6	265 113 00	G1	6	3	250	100	2	1.2	100	100	1.2	UX6	P
6C7	260 891 300	G1	6	9	250		4.5	1.2	100		1.2	Sm7	DDT
6C8	026 147 310	G1	6	4.5	250		3.2	1.6	100		1.6	A08	TT
6C9	276 454 130		6	2.5	100		5	3	100	60	3	B8A	TH
				2.5	150	100	8	2.5	100	100	2.5	B8A	TH
6C10	276 454 130		6	2	100		5	2.2	100	60	2.8	B8A	TH
				2	250	100	8	2.4	100	100	3.5	B8A	TH
6C12	541 237 164		6.3	3	100		3	2	100	60	3	B9A	TH
				2	250	100	6.5	2.4	100	100	2.4	B9A	TH
6C16	645 237 114		6	2	100		14	5	100	60		B9A	TP
				2	200	175	10	6.2	100	100		B9A	TP
6C31	027 546 310	G1	6	4	100		7	3.4	100	60	5	A08	TH
				3	250	100	5	2.8	100	100	3.1	A08	TH
6C31	412 344 600		6.3	15	150			12	No Data Available			B7G	T
6CA4	8*1 23* 9**		6				60		REC		20mA	B9A	RR
6CA5	142 345 600		6	4.5	150	125	36	9.2	125	125	9.2	B7G	P
6CA7	126 540 310		6	14.5	250	250	57	8.5	100	100	9	A08	P
6CB6	412 365 100		6	1	150	125	13	8	100	150	6	B7G	P
6CB6A	412 365 100		6.3	2	200	150	9.5	6.2	100	100		B7G	P
6CC10	461 471 230		6.3	9	250		6.5	2.2	100		3	B8A	TT
6CC31	672 344 100		6.3		200		6	3	100		4	B7G	TT
6CC40	641 237 410		6.3	8.5	250		10.5	2.2	100		3	B9A	TT
6CC41	741 236 410		6.3	1.5	250		2.3	2	100			B9A	TT
6CC42	214 607 413		6.3	2	150		8	5.2	100		5.5	B9A	TT
6CC43	641 237 410		6.3	2.3	250		10	5.9	100			B9A	TT
6CD6	021 040 350	A1	6	30	200	175	75	7.7	100	100	7	A08	P
6CE5	412 365 100		6	1	200	125	11	7.6	125	125	7.6	B7G	P
6CF5	402 365 100		6.3		150	125	11	7.6	100	100		B7G	P
6CF6	412 365 100		6	1	200	125	12	7.8	100	150	6	B7G	P
6CF8	501 236 014		6	2	250	150	3	1.85	100	100		B9A	P
6CG6	412 365 100		6	8	250	150	9	2	100	100		B7G	P
6CG7	641 237 410		6	8	250		9	2.6	100		3	B9A	TT
6CG8	461 237 514		6		100		8.5	5.8	100	60	5.9	B9A	TP
				2	250	150	7.7	4.6	100	150	4	B9A	TP

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
6CG8A	461 237 514		6		100		8.5	5.8	100	60		B9A	TP
6CH6	041 230 651		6	4.5	250	250	40	11	100	150	9	B9A	P
6CH7	741 236 410		6	2.2	150		10	6.8	150		6.8	B9A	TT
6CH8	175 321 446		6	2	200		13	3.3	100	60	4.9	B9A	TP
6CH40	541 237 464		6.3	2	200	150	9.5	6.3	100	150	5	B9A	TP
					100		4.5		100	60		B9A	TH
					250	100	10	3.2	100	100		B9A	TH
6CJ5	260 054 130		6	2.5	250	100	6	2.2	100	100	2.2	B8A	P
6CJ6	041 230 051	A1	6		200	200	45	6.2	No Data Available			B9A	P
6CK4	424 060 310		6	28	250		40	5.5	No Data Available			A08	T
6CK5	261 054 130		6	7	250	250	36	10	100	150	8	B8A	P
6CK6	541 231 600		6	5.5	250	250	36	10	100	150	9	B9A	P
6CL5	521 441 350	A1	6.3	40	150	150	80	6.3	100	100		A08	P
6CL6	145 236 154		6	3	250	150	30	11	No Data Available			B9A	P
6CL8	461 237 514		6	0.8	150		15	8	100	60	8	B9A	TP
					150	125	12	5.8	100	100	5	B9A	TP
6CL8A	461 237 514		6	0.8	150		15	8	100	60	8	B9A	TP
					150	125	12	5.8	100	100	5	B9A	TP
6CM4	641 234 146		6	1	200		12	14	No Data Available			B9A	T
6CM6	504 234 106		6	12.5	250	250	45	4.1	100	100	4	B9A	P
6CM7	701 236 441		6	7	200		5	2	100	60	2.8	B9A	TT
					250		20	4.4	100	100	4.7	B9A	TT
6CM8	641 237 514		6	2	250		1.8	2	100	60		B9A	TP
					200	150	9.5	6.2	100	100		B9A	TP
6CN5	026 540 310		6.3	18	350	250	66	5.2	No Data Available			A08	P
6CN6	120 540 310		6	7	250	250	100	14.3	100	150	10	A08	P
6CN7	981 331 462		3	3	250		1	1.2	100		1.3	B7G	DDT
6CQ4	**1 080 230		6.3				180		REC		30mA	A08	R
6CQ6	412 361 500		6	2.5	250	200	8	2.5	100	150	2.5	B7G	P
6CQ8	645 237 114		6	0.8	150		15	8	100		8	B9A	TP
					150	125	12	5.8	125	125	5.8	B9A	TP
6CQ8A	645 237 114		6	0.8	150		15	8	100	60	8	B9A	TP
					150	125	12	5.8	125	125	5.8	B9A	TP
6CR4	414 464 234		6.3	1	150		16	6	No Data Available			B9A	T
6CR5	154 231 541	A1	6.3	22.5	250	150	65	6	100	100		B9A	P
6CR6	182 365 400		6	2	250	100	9.5	2	250	100	1.9	B7G	DT
6CR8	641 237 514		6	2	150		12	4	100	60	4	B9A	TP
					150	125	13	7.7	100	100	7	B9A	TP
6CS5	514 234 1*6		6	10	200	125	47	8	100	100		B9A	P
6CS6	412 365 100		6	1	100	30	1	1.1	No Data Available			B7G	H
6CS7	604 237 411		6	8.5	250		10.5	2.2	100		2	B9A	TT
					250		19	4.5	100		4	B9A	TT
6CS8	641 237 514		6	2	150		12	4	100	60	4	B9A	TP
					150	125	13	7.7	100	100	7	B9A	TP
6CT4	411 231 146		6.3	1	150		16	15	No Data Available			B9A	TT
6CT7	268 154 130		6	2	250	100	5	1.8	100	100	1.8	B8A	DP
6CU5	142 345 600		6	8	125	100	50	7.5	125	100	7.5	B8G	P
6CU6	020 540 310	A1	6	22.5	250	150	57	5.5	100	100	6	A08	P
6CU7	276 454 130		6	2	100		5	2.2	100	60	2.8	B8A	TH
					250	100	8	2	100	100	3.5	B8A	TH
6CU8	175 231 446		6	6	200		13	3.3	100	60	3	B9A	TP
					200	150	9.5	6.2	100	150	6	B9A	TP
6CV7	264 089 130		6	3	250		1	1.3	150		1.3	B8A	DDT
6CW5	*41 23* 6*5		6	12.5	200	175	70	10	100	100	9	B9A	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
6CW7	147 234 116		6	1.5	90		12	6	100		6	B9A	TT
6CX7	641 237 411		6	2	150		9	6.4	100		6	B9A	TT
6CX8	146 231 457		6	1.5	150		9	4.6	100	60	4.6	B9A	TP
6CY5	412 365 100		6		200	125	24	10	100	100			
6CY7	714 236 411		6	18.5	150		1.2	1.3	100		1.5	B9A	TT
			6		250		30	5.4	100				
6CZ5	504 234 1*6		6	14	250	250	46	4.8	100	100		B9A	P
6D1	123 000 000	D1	6						D			B3G	D
6D2	192 310 800		6						D			B7G	RR
6D3	812 380 000		6						D			B7G	R
6D5	026 040 310		6	40	300		31	2.1	100		2.1	A08	T
6D6	265 113 000	G1	6	3	250	100	2	1.2	100	100	1.2	Sm7	P
6D7	265 101 300		6	3	250	100	2	12.2	100	100		A08	P
6D8	027 546 310	G1	6	3	150		4.2		100	60		A08	H
6DA4	**1 080 230		6		250	100	3.5		150	100			
6DA6	041 230 651		6	2	250	100	9	3.6	100	100	30mA	A08	R
6DA7	604 237 411		6	8	250		9	2.6	100			B9A	TT
			6		17.5	150		40	5.7	100			
6DB5	514 234 1*6		6	9.6	200	125	46	8	100	100		B9A	P
6DB6	412 365 100		6	1	150	150	5.8	2	100	100		B7G	P
6DC6	412 365 100		6	2.2	200	150	9.5	5.5	150	100	5	B7G	P
6DC8	541 236 891		6	2	250	100	9	3.8	100	100		B9A	DDP
6DDHV1	145 237 864		6	2	250		91	1.6	100	50		B9A	DTP
			6		1	250	100	9	3.5	100	100		
6DE4	001 080 230		6				120		REC		30mA	A08	R
6DE6	412 365 100		6	1.1	150	125	16	8	100	100	8	B7G	P
6DE7	744 236 411		6	17.5	150		32	6.5	100			B9A	TT
			6		11	250		5.5	2	100			
6DG6	026 540 310		6	7.5	200	125	47	8	100	150		A08	P
6DG7	041 230 651		6	20	250	100	11	4.4	100	100	5	B9A	P
6DJ8	641 237 411		6	1.3	90		15	12.5	No Data Available			B9A	TT
6DK6	412 365 100		6	0.9	150	125	12	9.8	100	100	9.5	B7G	P
6DL4	414 234 464		6		150		12.5	14	No Data Available			B9A	T
6DL5	412 365 400		6	7.3	250	225	26	5.5	100	100		B7G	P
6DM4	001 080 230		6				180		REC		35	A08	R
6DN6	021 040 350	A1	6	18	200	125	70	9	100	100		A08	P
6DN7	461 471 230		6	9.5	250		34	7.4	100			A08	TT
6DQ5	421 541 350	A1	6	17.5	150	100	10.5		No Data Available			A08	P
6DQ6	020 540 310	A1	6	22.5	250	150	75	6.6	125	100		A08	P
6DR4	123 000 000	D1	6						D			B3G	D
6DR6	*41 23* *51		6	23	200	175	45	6.6	100	100		B9A	P
6DR7	644 237 411		6	17.5	150		35	6.5	100			B9A	TT
			6		3	250		1.4	1.6	100			
6DR8	541 236 891		6		12	12	45		No Data Available			B9A	DDP
6DS5	412 365 100		6	8.5	250	200	29	5.8	100	100		B7G	P



VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
6DS8	541 237 564		6		12		0.7	1.4	No Data Available			B9A	TP
6DT5	504 230 1*6		6.3	16.5	250	250	38	6.5	100	100		B9A	P
6DT6	412 365 100		6.3	2.2	150	100	11	0.8	150	100	2	B7G	P
6DT8	741 236 410		6.3	2.5	250		10	5.5	100		4	B9A	TT
6DW4	*8* 23* 8*1		6.3				180		REC		40mA	B9D	R
6DW5	504 234 106		6.3	22.5	200	150	55	5.5	100	100		B9A	P
6DY7	041 230 605		6.3	12.5	250	150	50	6	100	100		B9A	P
6DZ4	642 314 600		6.3	0.3	75		15	6.7	80		7.5	B7G	T
6DZ7	426 517 310		6.3	7.3	250	250	48	11.3	No Data Available			A08	PP
6DZ8	414 237 516		6		150		0.8	1.4	100	60	1.4	B9A	TP
					150	125	45	7.5	100	100			
6E4	541 237 464		6.3	2.6	200		5.4		100	60		B9A	TH
					200	100	3.7		100	100			
6E6	274 146 300		6	27.5	250		18	1.7	100		1.7	UX7	TT
6E7	265 101 300	G1	6	2	250	100	8.2	1.6	100	100	1.6	Sm7	P
6E8G	027 546 310	G1	6	4.8	150		3.3	2.8	100	60	1.9	A08	TH
				2.3	250	100	2.3	3.5	100	100			
6E102	602 301 450		6.3	7	250	250	72	15	No Data Available			F8	P
6EA5	412 365 100		6.3	1	250	150	10	8	No Data Available			B7G	P
6EA7	461 471 230		6.3	25	200		48	6.5	No Data Available			A08	TT
6EA8	645 237 114		6.3	1	150		18	8.5	100	60		B9A	TP
6EB5	182 310 900		6.3	1	125	125	12	6.4	100	100	6		
							7		D			B7G	DD
6EB8	146 231 457		6	2	250		2	2.7	100	60	2.5	B9A	TP
				2	200	125	25	12	100	60			
6EF6	026 540 310		6.3	18	250	250	50	5	No Data Available			A08	P
6EH5	142 345 600		6	3.2	100	125	42	14.6	100	125		B7G	P
6EH6	412 365 100		6	1	250	150	7.4	4.6	100	150	4	B7G	P
6EH7	141 230 651		6.3	2	200	90	12	12.5	No Data Available			B9A	P
6EH8	146 231 457		6	1	150		13	7.5	100	60	7.5	B9A	TP
				1	150	125	12	6	100	100	6		
6EJ7	141 230 651		6.3	2.5	200	200	10	15	No Data Available			B9A	P
6EL7	141 230 651		6.3	1.8	200	175	10	8.8	100	100		B9A	P
6EM5	504 234 106		6	18	250	250	35	5.1	100	100		B9A	P
6EM7	471 461 230		6.3	3	250		1.4	1.6	100			A08	TT
				20	150		50	7.2	100				
6EQ7	141 235 680		6.3		100	100	9	3.9	100	100		B9A	DP
6ER5	142 361 *10		6.3	1.2	200		10	10.5	100			B7G	T
6ES5	142 360 100		6.3	1	200		15	9.5	100			B7G	P
6ES6	412 365 100		6.3	0.7	12	12			No Data Available			B9A	P
6ES8	641 237 410		6.3	1.2	90		15	12.5	100			B9A	TT
6ET6	412 365 100		6.3	1	12	12	4.8	3	No Data Available			B7G	P
6ET7	189 231 456		6.3		200	150	25	11.5	No Data Available			B9A	DDP
6EU7	230 146 741		6.3	2	250		1.2	1.6	100			B9A	TT
6EU8	746 231 415		6	1	150		18	8.5	100	60		B9A	TP
				1	150	100	12	6.4	100	100			
6EV5	265 424 300		6.3		200	80	11.5	8.8	100	80		B7G	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
6EV6	641 237 410		6.3	2	250		9.2	5.2	100			B9A	TT
6EV7	641 237 410		6.3	2.0	250		9.2	5.2	100		5.0	B9A	TT
6EW6	412 365 100		6	0.8	150	125	11	14	No Data Available			B7G	P
6EW7	744 236 411		6.3	17.5 11	150		45	7.5	100			B9A	TT
6EX4	802 309 100		6		250		5.5	2	100		15mA		
6EX6	021 040 350	A1	6.3		200	150	67	7.7	100	100		A08	P
6EY6	026 540 310		6.3	17.5	250	250	44	4.4	No Data Available			A08	P
6EZ5	026 540 310		6.3	20	250	250	43	4.1	No Data Available			B8A	P
6EZ8	144 127 464		6.3	1	150		4.2	4.2	100		4.2	B9A	TT
6F1	261 514 130		6	1.8	200	200	10	9	100		60 8	B8A	P
6F5	020 600 310	G1	6	2	250		0.9	1.5	100		1.5	A08	T
6F6	026 540 310		6	16.5	250	250	34	2.5	100	150	2.5	A08	P
6F7	275 641 300	G1	6	3 3	100		3.5	0.5	100	60	0.5	Sm7	TP
					100	100	6.3	1	100	100	1		
6F7B	275 641 300	G1	6	3 3	100		3.5	0.5	100	60	0.5	UX7	TP
					100	100	6.3	1	100	100	1		
6F7E	275 641 300	G1	6	3 3	100		3.5	0.5	100	60	0.5	UX7	TP
					100	100	6.3	1.05	100	100	1.05		
6F7M	023 756 410	G1	6	3 3	100		3.5	0.5	100	60	0.5	UX7	TP
					100	100	6.3	1	100	100	1		
6F8	027 146 310	G1	6	8	250		9	2.6	100		2.6	A08	TT
6F10	021 415 360		6.3	2	300	150	10	9	100	100		A08	P
6F11	260 154 130		6	1.8	250	100	4.4	2.2	100	100	2.2	B8A	P
ξ 6F12	412 361 500		6	2 1.5	250	250	10	7.5	100	150	5	B7G	P
					200	150	4	6.4	100	150	5		
6F13	260 154 130		6	1.8	200	200	10	9	150	150	8	B8A	P
6F14	260 154 130		6	1.25	150	150	28	10.6	100	100	8	B8A	P
6F15	261 154 130		6	2.5	250	100	7	2.3	100	100	2.3	B8A	P
6F16	261 154 130		6	2.5	250	100	6	2.2	100	100	2.2	B8A	P
6F17	412 361 500		6	5	100	100	12.5	4.0	100	100		B7G	P
6F18	141 230 651		6	1.3	200	100	12	4.5	125	100		B9A	P
6F19	141 230 651		6	2	250	100	10	6	150	100	5	B9A	P
6F20	141 230 651		6.3	2	200	175	10	6	100	100		B9A	P
6F21	412 361 500		6	2.5	250	200	7.8	2.5	100	100		B7G	P
6F22	501 236 014		6	2	250	150	3	1.8	100	100		B9A	P
6F23	141 231 651		6.3	2	200	175	10	9.2	100	100		B9A	P
6F24	141 230 651		6.3		200	200	10	15	No Data Available			B9A	P
6F25	141 230 651		6.3		200	200	11.5	12.5	No Data Available			B9A	P
6F26	141 230 651		6.3	2	250	100	10	6	100	100	6	B9A	P
6F28	*41 234 650		6.3	2.9	200	200	10	12.5	100	100		B9A	P
6F29	141 230 651		6.3	2	200	90	12	12.5	No Data Available			B9A	P
6F30	141 230 651		6.3	2.5	200	200	10	15.4	No Data Available			B9A	P
6F31	412 365 100		6.3	1	250	100	11	4.2	100	100		B7G	P
6F32	412 365 100		6.3		200	125	8	4.6	100	100		B7G	P
6F32	216 510 030	G1	6	4.5	200	200	5.1	3	100	150	3	M08	P
6F32V	412 365 000		6.3	3	150	150	7	4.3	100	100		B7G	P
6F33	412 361 500		6.3	2	125	125	5.2	3.5	100	100	3	B7G	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
6F35	412 365 100		6.3		40	30	2.7	2.7	No Data Available			B7G	P
6F36	412 365 100		6.3		300	150	10	9	No Data Available			B7G	P
6F40	111 231 654		6.3	2	250	150	3	2	100	100		B9A	P
6F41	141 230 651		6.3	2.0	150	150	10	7.4	100	100	6	B9A	P
6F60	041 230 665		6.3	23	250	200	55	5	100	100		B9A	P
6F80	541 231 600		6.3		200	200	36	10	100	100		B9A	P
6FC7	146 234 017		6.3	1.2	90		15	12	No Data Available			B9A	TT
6FD6	412 365 100		6.3		12	12		1.4	No Data Available			B7G	P
6FD7	644 237 411		6.3	17.5	150		45	7.5	100			B9A	TT
6FD12	541 236 891		6.3		2	250	100	9	3.8	100	100		
6FE5	026 540 310		6.3	12.5	100	100	94	9.5	No Data Available			A08	P
6FG5	412 365 100		6.3	0.2	250	250	9	9.5	No Data Available			B7G	P
6FG7	461 237 514		6.3	1	125		13	7.5	100	60	7	B9A	TP
6FH5	142 360 100		6.3		1	125	125	11	6	100	100		
6FH6	020 540 310	A1	6.3	22.5	250	150	75	6	100	100		A08	P
6FH8	146 234 517		6.3	1	100		7.9	5.5	100	60	5	B9A	TP
6FJ8	210 541 380	A1	6.3		2	250	250	7.3	4.4	100	100		
6FLD12	541 236 891		19	22.5	250	150	75	6.6	100	100		A08	DP
6FM8	181 239 146		6.3	2	250	100	9	3.8	100	100		B9A	DDP
6FN5	521 441 350		6.3	3	250		1	1.2	100			B9A	DDT
6FR7	644 237 411		6.3	3	250		1.4	6.8	100			B9A	TT
6FQ5	142 360 100		6.3		20	150		50	5.4	100			
6FQ7	741 236 410		6.3	1.2	150		11	11	No Data Available			B7G	T
6FR7	644 237 411		6.3	8	250		9	2.6	100			B9A	TT
6FS5	412 365 100		6.3	3	250		1.4	1.6	100		1.5	B9A	TT
6FV6	402 365 100		6.3		20	150		50	7.2	100			
6FV8	461 237 514		6	0.2	300	150	9	10	No Data Available			B7G	P
6FW5	421 060 350		6.3	1	150	75	10	8	100	80	8	B9A	P
6FW8	741 236 410		6	1	150	125	12	6.5	100	60	8	B9A	TP
6FX4	902 309 100		6		1	150	150	65	7.3	100	100		
6FY5	142 360 100		6.3	22.5	250	150	65	13	No Data Available			A08	P
6FY8	455 237 461		6.3	1.2	100		15	13	No Data Available			B9A	TT
6G6	026 540 310		6				30		REC		15mA	B7G	RR
6G7	026 985 310	G1	6	1	150		11	13	No Data Available			B9A	T
6G8	026 985 310	G1	6	1.5	150		2.5	2	100	60		B9A	TP
6GA4	026 040 310		6		13.5	150	125	50	7	100	100		
6GA8	641 237 410		6	9	200	175	15	2.3	100	100	2.3	A08	P
6GA8	426 040 310		6.3	3	250	125	10	1.3	100	100	1.3	A08	DDP
6GB3A	020 540 310	A1	6	3	250	125	9	1.1	100	100	1.1	A08	DDP
6GB6	020 540 310	A1	6.3	18.5	250		50	7	100			A08	T
6GB7	020 540 310	A	6.3	18.5	250		50	7	100			A08	T
6GB3A	020 540 310	A1	6.3	7.7	100	100	100	14	No Data Available			A08	P
6GB6	020 540 310	A1	6.3	22.5	250	150	6.5	6	100	100		A08	P
6GB7	020 540 310	A	6.3	7.7	100	100	100	14	No Data Available			A08	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
6GB9	020 540 310	A1	6.3	22.5	250	150	75	6.6	125	100	A08	P	
6GC5	514 234 156		6.3	7.5	100	100	50	8	100	100	B9D	P	
6GC6	021 540 350	A1	6.3	22.5	250	150	75	6.6	100	100	A08	P	
6GE8	514 236 147		6.3	{ 21 2	150 150		35 5.5	5 3.2	100 100	60 100	B9A	TP	
6GF7	141 237 064		6.3	{ 3 20	250 150		1.4 50	1.6 7.2	100 100		B9D	TT	
6GG6	802 300 190		6				30		REC	15mA	F8	RR	
6GH8	645 237 114		6	{ 1	150		13.5	8.5	100	60	B9A	TP	
6GJ5	541 234 5**	A1	6.3	22.5	250	150	70	7.1	100	100	B9D	P	
6GJ8	645 237 114		6.3	{ 1	150		13.5	8.5	100	60	B9A	TP	
6GK5	142 360 100		6.3	1	150		11.5	15	No Data Available		B7G	T	
6GK6	141 230 651		6.3	7.3	250	250	48	11.3	100	100	B9A	P	
6GK17	001 080 230		6.3				120		REC	30mA	A08	R	
6GM5	500 234 106		6.3	10	300	300	60	10.2	No Data Available		B9A	P	
6GM6	412 365 100		6.3	56	150	25	14	13	No Data Available		B7G	P	
6GN6	412 365 800		6.3	68	250	100	11	4.4	100	100	B7G	DP	
6GN8	146 231 457		6.3	{ 2 3	250 200	150	2 25	2.7 11.5	100 100	60 100	3	B9A	TP
6GQ7	1†* 239 181		6.3				5		D		B9A	DDD	
6GS8	156 231 471		6.3		100	75	2	1.2	100	75	B9A	PP	
6GT5	541 234 5*6		6.3	42	250	150	70	7.1	100	100	B9D	P	
6GU5	412 365 100		6.3	0.4	150	150	9	15	100	100	B7G	P	
6GV7	657 231 414		6.3	{ 1.5 0.6	100 100	150	14 11	5.5 11	100 100	60 100	5 9	B9A	TP
6GV8	641 237 514		6.3	{ 15 1.7	200 250	175	41 1.2	7.5 1.6	100 100	100 60		B9A	TP
6GW8	415 237 146		6.3	{ 7	250	250	36	10	100	100	1.5	B9A	TP
6GX6	412 365 100		6.3		150	100	3.7	3.7	100	100	B7G	P	
6GY6	412 365 100		6.3		150	100	3.7	3.7	100	100	B7G	P	
6GY8	414 236 117		6.3		150		4.5	4.6	100		4	B9A	TT
6H1	412 360 500		6	1.8	250	100		2.1	100	100	2	B7G	H
6H4	020 800 310		6						D			A08	D
6H6	029 180 310		6						D		4	A08	DD
6H7C	026 447 310		6.3	5	250		3	1.6	100			A08	TT
6H7G	126 447 310		6.3		300		35	3.2	100			A08	TT
6H8C	461 471 230		6.3	8	250		9	3	100			A08	TT
6H8G	026 985 310	G1	6	2	250	125	8.5	2.4	100	100	2.4	A08	DDP
6H8MG	026 985 310	G1	6	2	250	125	6	1.8	100	100	1.8	A08	DDP
6H9C	461 471 230		6.3	2	250		2.2	1.6	100			A08	TT
6H10C	064 471 230		6.3	2	250		2	1.3	100		1.3	A08	TT
6H13C	461 471 230		6.3	30	90		80	5	No Data Available			A08	TT
6H31	412 365 100		6.3		250	100	3		100	100		B7G	H
6HA5	412 360 100		6.3	1	150		11.5	14.5	No Data Available			B7G	T
6HB6	141 230 651		6.3	33	250	125	40	24	No Data Available			B9A	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE	
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V			
6HC8	414 237 516		6.3	{ 3 18	250		1.4 38	2 5.1	100	60		B9A	TP	
6HF8	146 231 457		6.3	{ 2 200	200	125	4 25	4 12.5	100	60		B9A	TP	
6HG8	141 234 675		6.3	{ 3 1.2	100		14 10	6 12	100	60	6.5	B9A	TP	
6HJ8	145 236 181		6.3	6	150	125	11.5	9.3	100	100		B9A	DP	
6HK8	641 237 410		6.3	1	90		8.5	8	100		8	B9A	TT	
6HM5	412 360 100		6.3	1.2	150		12.5	14.5	No Data Available			B7G	T	
6HR6	412 365 100		6.3	1.2	200	100	13.2	8.5	100	100		B7G	P	
6HS6	412 365 100		6.3	0.8	150	75	8.8	9.5	100	100		B7G	P	
6HS8	157 231 461		6.3		100	75	2	0.4	100	75	0.4	B9A	PP	
6HU8	546 234 175		6.3	9	250	250	24	6	100	100		B9A	PP	
6HW8	165 234 161		6.3	3.5	250	250	13	4	100	100		B9A	P	
6HZ8	146 231 457		6.3	{ 2 250	200	175	3.5 29	4 12.6	100	60	100	B9A	TP	
6J4	412 344 600		6	1.5	150		15	12	100		10	B7G	T	
6J5	026 040 310		6	8	250		9	2.6	100		2.6	A08	T	
6J6	762 344 100		6	3	150		5	4.5	100		5.3	B7G	TT	
6J6A	672 344 100		6	3	150		5	4.5	100		5.3	B7G	TT	
6J7	026 510 310	G1	6	3	250	100	2	1.2	100	100	1.3	A08	P	
6J8	027 546 310	G1	6.3	{ 3 3	100	100	3 1.3	1.6 1.2	100	60	100	1.6 1.5	A08	TH
6JB6	541 234 51*	A1	6.3	22.5	250	150	70	7.1	100	100		B9D	P	
6JB8	645 237 114		6	{ 8.5 3	250		10.5 3	2.2 1.6	100	60		B9A	TP	
6JC8	145 237 146		6.3	{ 1 1	150	125	12 9	6.5 5.5	100	60		B9A	TP	
6JE6	541 234 51*	A1	6.3		150	100	100	10	No Data Available			B9D	P	
6JE8	146 231 457		6.3	{ 2 200	200	175	4.5 22	4.2 12	100	60	100	B9A	TP	
6JF8	210 541 380	A1	6.3	22.5	250	150	75	6.6	100	100		A08	DP	
6JG6	541 231 5*6		6.3		150	100	80	10	No Data Available			B9D	P	
6JH8	115 324 166		6.3		250	250	14	4.4	100	100		B9A	P	
6JK8	641 237 410		6.3	{ 1 1.2	100		5.3 10	6.8 13	100		6	B9A	TT	
6JT6	541 231 5*6		6.3	22.5	250	150	70	7.1	100	100		B9D	P	
6JV8	146 231 457		6.3	{ 2 1	200	150	4 22	4 11.5	100	60	4 10	B9A	TP	
6K5	026 000 310	G1	6	3	250		1.1	1.4	200		1.4	A08	T	
6K6	026 540 310		6	18	250	250	32	2.3	100	150	2.3	A08	P	
6K7	026 510 310	G1	6		250	100	10.5	1.5	100	100	1.6	A08	P	
6K8	027 546 310	G1	6	{ 1 3	100	100	8 4	2.5 1.2	100	60	3 100	A08	TH	
6K25	026 040 310		6		100		30	2kΩ	No Data Available			A08	Thy	
6KM8	668 231 456		6.3		100	100	4.2	3.4	100	100	3.4	B9A	DP	
6KR8	146 231 457		6.3	{	100		15	10.4	100	60		B9A	TP	
					200	100	19.5	20	80	60				

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
6KY8A	141 237 564		6.3	{ 3	250		1.4	1.6	100	60	1.6	B9D	TP
				10	150	100	39	8.4	100	100			
6KZ8	641 237 514		6.3	{ 1.0	150		13.5	8.5	100	60		B9A	TP
				1.0	150	150	12	7.5	100	100	7		
6L1	274 164 130		6	8.6	200		10	2.8	100		2	B8A	TT
6L5G	026 040 310		6	9	250		8	1.9	100		1.9	A08	T
6L6	026 540 310		6	18	350	250	54	5.2	100	150	5.2	A08	P
6L7	026 540 310	G1	6	3	250	100	6.3	1.1	100	100	1.1	A08	H
6L10	120 415 360		6.3	3	300	150	30	11	100	100		B8A	P
6L12	741 236 410		6	2.3	250		10	5.9	100		5	B9A	TT
6L13	741 226 413		6	2	250		1.2	1.6	100		1.6	B9A	TT
6L15	147 234 116		6.3	1.2	90		15	9	100		9	B9A	TT
6L16	146 234 107		6.3	1.5	90		12	6.2	80		6.2	B9A	TT
6L18	260 064 130		6	13.3	250		12	5.5	80		7	B8A	T
6L19	274 164 130		6	1.8	200		5	3.1	150		3.1	B8A	TT
6L31	412 365 400		6.3	12.5	250	250	45	4.1	100	100	4	B7G	P
6L34	412 314 600		6	1.5	250		10	9	150		7	B7G	T
6L41	601 235 144		6.3	17.2	250	250	45	7	100	100		B9A	P
6L43	145 236 154		6.3	3	300	150	30	11	No Data Available			B9A	P
6L50	214 451 130	A1	6.3	12.6	200	250	70	5	No Data Available			B9A	P
6L50V	215 445 113	A1	6.3	25	400	250	30	3.5	100	100		B9A	P
6LD3	264 098 130		6	1.9	250		0.85	1.95	150		1.9	B8A	DDT
6LD12	†91 238 146		6.3	1.0	100		0.8	1.45	100		1.4	B9A	DDDT
6LD13	641 238 09*		6	1.9	250		0.85	1.2	100			B9A	DDT
6LD20	264 098 130		6	5.9	250		5	2.3	100		3	B8A	DDT
6LFD12	541 236 891		19	2	250	100	9	3.8	100	100		B9A	DDP
6M3	*28 0*0 *30		6						D			A08	R
6M5	541 230 600		6	7	250	250	36	10	100	100	10	B9A	P
6M6	026 540 310		6	6	250	250	36	9.5	100	150	8	A08	P
6M7	026 510 310	G1	6	2.5	250	125	10.5	3.4	100	100	3.2	A08	P
6M7MG	026 510 310	G1	6	2.5	250	125	6	2	100	100	2	A08	P
6M8	137 546 280	G1	6	{ 1	100		0.5	1.1	100	60	1.1	A08	DTP
				3	100	100	8.5	1.9	100	100	1.9		
6MD3	802 380 100		6.3				10		REC		5mA	B7G	R
6MD4	102 310 800		6.3						D			B7G	D
6MH1	412 344 600		6.3		150		14.5	13	No Data Available			B7G	T
6MHH3	672 344 100		6.3	1	100		11	7.5	100		7.5	B7G	TT
6M-L2	642 364 100		6.3	4.5	150		14	5	100			B7G	T
6M-L4	642 314 600		6.3		100		17	6.5	100			B7G	T
6MK7	026 510 310	G1	6	2	250	100	5	2.3	100	100	2.3	A08	P
6MP2	412 365 000		6.3	6	200	175	25	5.5	100	100		B7G	P
6MP17	412 365 400		6.3	8	250	250	32	5.2	100	100		B7G	P
6N3	**1 23* **8		6				180		REC		50mA	B9A	R
6N4	412 361 400		6	3	200		12	6	150		6	B7G	T
6N7	027 446 310		6	5	250		3	1.6	100		1.6	A08	TT
6N7	026 510 310	G1	6	2.5	250	125	10.5	3.4	100	100	3.2	A08	P
6N8	541 236 891		6	2	250	90	5	2.2	100	90	2.2	B9A	DDP
6NK7	026 510 310	G1	6	2.5	250	125	10.5	3.4	100	100	3.2	A08	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
6P1	026 540 310		6	8.5	250	250	30	8.8	100	150	8	A08	P
6P2	412 365 100		6.3	68	250	150	10.6	5.2	No Data Available			B7G	P
6P5	026 040 310		6	13.5	250		5	1.25	100		1.4	A08	T
6P6	215 413 000	A1	6	8	250	150	34		100	100		UX6	P
6P7	023 756 410	G1	6	{ 3 3	100		3.5	0.5	100	60	0.5	A08	TP
					100		6.3	1	100	100	1		
6P8	027 546 310	G1	6	{ 2.4 6	250	75	2.2		100	60		A08	TH
					250	250	30	7	100	75			
6P9	412 365 400		6	6	250	250	30	7	No Data Available			B9A	P
6P15	*41 23* 6*5		6	7.5	250	250	49	11.3	100	150	10	B9A	P
6P17	412 360 500		6	13.5	250	250	16	2.6	100	100		B7G	P
6P25	026 540 310		6	8.5	250	250	40	8.8	100	100	8	A08	P
6P26	026 540 310		6	8.5	250	250	40	8.8	100	150	8	A08	P
6P28	020 540 310		6.3	8.8	350	250	72	9.5	No Data Available			A08	P
6PL12	414 237 516		6.3	{ 8.5 6	250	250	40	8.8	100	100		B9A	P
					250		40	8.8	100	100			
6PX6	026 540 310		6	6	250		35	9.2	100	150	8	A08	P
6PZ8	026 598 310	G1	6	6	250	250	36	9.2	100	150	8	A08	DDP
6Q4	441 230 446		6	1.5	250		15	12	No Data Available			B9A	T
6Q6	026 080 310		6	3	250		1.2	1.05	150		1.0	A08	DT
6Q7	026 980 310	G1	6	3	250		1	1.2	100		1.5	A08	DDT
6QL6	541 236 154		6	11.5	200	175	52	9.5	125	100		B9A	P
6R	026 510 310	G1	6	2	250	100	3.7	2	100	100		A08	P
6R4	401 230 060		6	2	150		30	5.5	100		5	B9A	T
6R6	026 500 310	G1	6	3	250	100	7	1.45	100	100	1.4	A08	P
6R7	026 980 310	G1	6	9	250		9.5	1.9	100		1.9	A08	DDT
6R8	8*1 239 146		6	9	250		9.5	1.9	100		1.9	B9A	DDDT
6R51P	451 23* 6*5		6.3	8	250	250	54	11	No Data Available			B9A	P
6RA2	014 234 006		6.3	31	150		100	8.5	No Data Available			B9A	P
6RA5	606 023 041		6.3	20	100		80	11	No Data Available			B9A	T
6RB11	504 234 106		6.3	1	100		2	1	100		1	B9A	TT
6R-DHV1	145 327 864		6.3	{ 2 1	250		1.2	1.6	100	60		B9A	DTP
					250	100	9	3.5	100	100			
6RHH2	741 236 410		6.3	1	90		8.5	8	100		8	B9A	TT
6R-HH8	641 237 410		6.3		100		16	16	No Data Available			B9A	TT
6R-HH9	641 237 410		6.3		90		16	16	No Data Available			B9A	TT
6RHH1	145 237 164		6	{ 2 1	250	100	12	1.6	100	60		B9A	TP
					250		9	3.5	100	100			
6RK19	*** 23* **8	C	6.3				180		REC		40mA	B9A	R
6RP10	260 153 041		6.3	2.6	150	150	36	13.5	No Data Available			B9A	P
6RP15	451 23* 6*5		6.3	8	250	250	59	11	100	100		B9A	P
6RR8	402 106 053		6.3		150	150	13	12.6	No Data Available			B9A	P
6RR8C	402 106 053		6.3		150	150	13	12	No Data Available			B9A	P
6RR21	541 236 891		6.3		150	150	13.5	15	No Data Available			B9A	DDP
6RV	026 510 310	G1	6	2	250	100	6.4	2.1	100	100	2.1	A08	P
6S2	230 232 032	D1	6.3						D			B9A	R
6S2A	*** 23* ***	D1	6.3						No Data Available			B9A	D

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
6S4	*1* 234 **6		6	8	250		26	4.5	100		4.5	B9A	T
6S6	120 600 350	G1	6	2	250	100	13	4	100	100	4	A08	P
6S7	026 510 310	G1	6	3	250	100	8.5	1.75	100	100	1.7	A08	P
6S8	†18 916 230	G1	6	2	250		0.9	1.1	200		1.1	A08	DDDT
6SA7	126 641 310		6	3.6	100		12	4.3	100		1.4	A08	H
6SA7G	026 641 310		6	3.6	100		12	4.3	100		1.4	A08	H
6SB7Y	126 541 310		6	1	250	100	3.8		100	100		A08	H
6SC5	026 400 310		6	4	250		7.5	2.7	100		2.7	A08	T
6SC7	074 461 230		6	2	250		2	1.3	200		1.3	A08	TT
6SD7	021 415 360		6	2	250	100	6	3.6	100	100	3.6	A08	P
6SE7	021 415 360		6	1.5	250	100	4.5	3.4	100	100	3.4	A08	P
6SF5	014 060 320		6	2	250		0.9	1.5	200		1.5	A08	T
6SF7	041 581 360		6	1	250	100	12.4	2.05	100	100	2	A08	DP
6SG7	021 415 360		6	1	250	125	11.8	4.7	100	100	4.7	A08	P
6SH7	021 415 360		6	1	250	150	10.8	4.9	100	150	4.9	A08	P
6SJ7	021 415 360		6	3	250	100	3	1.65	100	100	1.6	A08	P
6SJ8EG	027 546 310	G1	6	3	150		5	1.6	100	60	1.6	A08	TH
				3	150	100	1.3	1.2	100	100	1.2		
6SJ8G	027 546 310	G1	6	3	150		5	1.6	100	60	1.6		
6SK7	021 415 360		6	3	250	100	9.2	2	100	100	2	A08	P
6SL7	461 471 230		6	2	250		2.3	1.6	150		1.6	A08	TT
6SN7	461 471 230		6	8	250		9	2.9	100		2.6	A08	TT
6SQ7	041 896 230		6	2	250		0.9	1.1	200		1.1	A08	DDT
6SR7	041 986 230		6	9	250		9.5	1.9	100		1.9	A08	DDT
6SS7	021 415 360		6	3	250	100	9	1.85	100	100	1.8	A08	P
6ST7	041 896 230		6	9	250		9.5	1.9	100		1.9	A08	DDT
6SU7	471 461 230		6	2	250		2.3	1.6	200		1.6	A08	TT
6SV7	041 586 230		6	1	250	150	7.5	3.4	100	150	3.5	A08	DP
6SZ7	041 986 230		6	3	250		1	1.2	200		1.2	A08	DDT
6T	205 413 000	A1	6	12.5	250	250	4.5	4.1	100	150	4	UX6	P
6T1	642 314 600		6		75		16	6.6	80			B7G	T
6T4	642 314 600		6	3	80		18	7	80		7	B7G	T
6T6	026 500 310	G1	6	1	250	100	10	5.5	100	100	5.5	A08	P
6T7	026 980 310	G1	6	3	250		1.2	1	100		1	A08	DDT
6T8	†91 238 146		6	3	250		1	1.2	150		1.3	B9A	DDDT
6T8A	†91 238 146		6	3	250		1	1.2	100		1.3	B9A	DDDT
6T24	647 230 114		6	2	150		17	7	100			B9A	TT
6T26	641 237 410		6	2.3	250		10	6	100			B9A	TT
6T27	641 237 410		6		150		10	6.8	100			B9A	TT
6TE8	427 546 310	G1	6	2	100		3.7		100	60		A08	TH
				2	250	100	3.5		100	100			
6TE9	651 237 440		6	2.5	100		4	2	100	60	2	B9A	TH
				200	90		3	0.7	100	90			
6TH8	027 546 310	G1	6	7	150		6	1.1	150	60		A08	TH
				1.5	200	75	3.5		100	75			
6TP	205 413 000	A1	6	14.5	250	250	12	6	100	150	6	UX6	P



VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
6TP1	645 237 114		6	68	150		18	8.5	100	60	B9A	TP	
6TP3	641 237 154		6		2	100		4	2	100		60	B9A
6TP4	145 237 614		6	68	150		18	8.5	100	60	B9A	TP	
6TP5	541 327 164		6		250	100	10	5.2	100	100		B9A	TP
6U3	**1 23* **8		6		100		2.2	1.3	100	60	B9A	TP	
					200	100	9		100	100		R	
6U4	001 080 230		6				120		REC	30mA	A08	R	
6U5M	028 090 310		6				30		REC	15mA	A08	RR	
6U6	026 540 310		6	14	200	150	56	6.2	100	100	6.2	A08	P
6U7	026 510 310	G1	6	3	250	100	8	1.5	100	100	1.5	A08	P
6U8	645 237 114		6	1	150		18	8.5	100	60	7	B9A	TP
					1	250	100	10	5.2	150	100		5
6U8A	645 237 114		6	1	150		18	8.5	100	60	B9A	TP	
					250	100	10	5.2	100	100			
6V3A	082 230 808	C	6				120		REC	30mA	B9A	RR	
6V4	8*1 23* 9**		6				30		REC	15mA	B9A	RR	
6V5	006 540 230		6	12.5	250	250	45	4.1	100	150	4.1	A08	P
6V6	026 540 310		6	12.5	250	250	45	4.1	100	150	4	A08	P
6V7	026 980 310	G1	6	20	250		8	1.1	100		1.1	A08	DDT
6V8	681 234 †19		6	3	250		1	1.2	100		1.3	B9A	DDDT
6W2	023 000 000	D1	6						D			B3G	D
6W3	**1 23* **8		6				20		REC	40mA	B9A	R	
6W4	001 080 230		6				120		REC	30mA	A08	R	
6W5	028 090 310		6				60		REC	20mA	A08	RR	
6W6	026 540 310		6	9.5	150	150	58	8	100	100	8	A08	P
6W7	026 510 310	G1	6	3	250	100	2	1.2	100	100	1.2	A08	P
6WC5	266 114 300		6	3.6	100		12	4.3	No Data Available			B7G	H
6X2	023 000 000	D1	6						D			B3G	D
6X3	020 000 310	D1	6				5		D			A08	R
6X4	802 309 100		6				30		REC	35mA	B7G	RR	
6X5	028 090 310		6				30		REC	35mA	A08	RR	
6X8	146 231 457		6	1	100		8.5	5.8	100	60	5	B9A	TP
					1.8	250	150	7.5	4.6	100	150		4
6X8A	146 231 457		6	1	150		8.5	5.8	100	60	5	B9A	TP
					1.8	150	150	7.7	4.6	100	100		4
6Y3	030 000 200	D1	6				5		D			A08	R
6Y5	208 193 000		6				30		REC	15mA	UX6	RR	
6Y6	026 540 310		6	13.5	150	150	58	7	100	100	7	A08	P
6Y7	027 446 310		6	0	250		5.3	1.8	150		1.8	A08	TI
6Y50	802 308 001		6				180		REC	40mA	B9A	R	
6Z3	381 200 000		6				60		REC	20mA	UX4	R	
6Z4	289 130 000		6				30		REC	45mA	UX5	RR	
6Z5	328 192 000		6				30		REC	15mA	UX6	RR	
6Z6	028 190 310		6				30		REC	15mA	A08	RR	
6Z7	026 447 310		6	0	200		4.2	0.5	150		0.5	A08	TT

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE	
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V			
6Z31	802 309 100	C	6.3				30		REC		15mA	B7G	RR	
6Z40	000 230 008		6.3				120		REC		30mA	B9A	R	
6ZDH3A	264 813 000		6	2	250		1.5	1.5	100		1.2	UX6	DT	
6ZP1	265 413 000		6	9	200	200	15	1.7	100	100		UX6	P	
6ZY5	028 090 310		6				15		REC		15mA	A08	RR	
7A2	045 231 600		4	17	250	250	40	3.2	100	150	2.3	B7	P	
7A3	045 231 600		4	6	250	250	32	10	100	100	10	B7	P	
7A4	260 0*4 130		6	8	250		9	2.6	100		2.6	B8B	T	
7A5	265 004 130		6	9	150	125	44	6	100	90	6	B8B	P	
7A6	219 008 130		6				5		D			B8B	RR	
7A7	265 104 130		6	3	250	100	9.2	2	100	100	2	B8B	P	
7A8	266 451 130		6	1	250	100	14	1.4	100	100	1.6	B8B	0	
7AB7	526 141 310		6	2	250	100	4	1.8	100	100	1.2	B8B	P	
7AC7	412 365 100		6		300	150	10	9	100	100	8	B7G	P	
7AD7	265 104 130		6	2.3	300	150	28	9.5	100	150	9	B8B	P	
7AF7	217 446 130		6	9	250		9	2.1	100		2.1	B8B	TT	
7AG7	265 114 130		6	2	250	250	6	4.2	200	200	4.2	B8B	P	
7AH7	265 114 130		6	2	250	250	6.8	3.3	100	150	3.3	B8B	P	
7AJ7	265 104 130		6	3	250	100	2.2	1.5	100	100	1.5	B8B	P	
7AK7	265 104 130		6	0	150	90	40	6.5	100	100	6.0	B8B	P	
7AN7	147 234 116		7.5	1.	90		12	6	100		6	B9A	TT	
7AU7	741 226 413		3.5	8.5	250		10.5	2.2	100		2.2	B9A	TT	
7B4	260 004 130		6	2	250		0.9	1.5	200		1.5	B8B	T	
7B5	265 004 130		6	18	250	250	32	2.3	100	150	2.3	B8B	P	
7B6	264 *98 130		6	2	250		0.9	1.1	200		1.1	B8B	DDT	
7B7	265 104 130		6	3	250	100	8.5	1.7	100	100	1.7	B8B	P	
7B8	265 454 130		6	2	250	100		1.1	100	100	1.1	B8B	H	
7C4	2*0 800 130		6				5		D			A08	R	
7C5	265 004 130		6	12.5	250	250	45	4.1	100	150	4.1	B8B	P	
7C5LT	265 004 130		6	12.5	250	250	45	4.1	100	150	4.1	B8B	P	
7C6	264 198 130		6	1	250		1.3	1	250		1	B8B	DDT	
7C7	265 114 130		6	3	250	100	2	1.3	100	100	1.3	B8B	P	
7CE40	146 234 117		7	1.5	90		12	6	80		6	B9A	TT	
7D3	045 231 600		40	20	150	125	36	2.4	100	100	3.8	B7	P	
7D5	045 231 600		13	16.5	250	250	34	2.3	100	150	2.3	B7	P	
7D6	045 231 600		40	6	250	250	32	10	100	100	10	B7	P	
7D7	276 454 130		6	{	3	150	3		100	60		B8B	TH	
				{	3	250	100	1.3	0.2	100	100			
7D8	045 231 600		13	6	250	250	32	10	100	100	10	B7	P	
7D9	412 360 500		6	13.5	250	250	16	2.6	100	150	2.6	B7G	P	
7D9	045 231 600		13	25	250	250	32	1.8	100	150	1.8	B7	P	
7D10	*41 230 651		6	4.5	250	250	40	11	100	150	9	B8A	P	
7D11	026 540 310		6.3	20	350	250	95	9	100	100		A08	P	
7DJ8	641 237 411		7	1.3	90		15	12.5	No Data Available			B9A	TT	
7E5	426 141 630		6	3	200		5.5	3	150		3	B8B	T	
7E6	264 *98 130		6	8	250		9.5	1.9	100		1.9	B8B	DDT	
7E7	269 854 130		6	3	250	100	7.5	1.3	100	100	1.3	B8B	DDP	
7ED7	141 230 651		7.3	1.9	200	175	10		100	100		B9A	P	

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
7EK7	146 234 117		7	1.2	200		15	4	100		4	B9A	TT
7ES8	641 237 410		7	1.2	90		15	12.5	No Data Available			B9A	TT
7EY6	026 540 310		7.2	17.5	250	250	44	4.4	100	100		A08	P
7F7	217 446 130		6	2	250		2.3	1.6	200		1.6	B8B	TT
7F8	427 116 340		6	3	250		6	3.3	200		3.3	B8B	TT
7F16	261 154 130		6	2.5	250	100	6	2.2	100	100	2.2	B8A	P
7FC7	146 234 117		7.2	1.2	90		15	12	No Data Available			B9A	TT
7G7	265 114 130		6	2	250	100	6	4.5	100	100	4.6	B8B	P
7G8	265 441 730		6	2.5	250	100	4.5	2.1	100	100	2.1	B8B	PP
7GH8	576 234 141		8	{	3	100	14		100	60		B9A	TH
					1.2	200	150	10	100	100			
7GV7	657 231 414		7.4	{	3	100	14	5.5	100	60		B9A	TP
					2	250	250	10	11	100	100		
7H6	265 114 130		6	2.5	250	150	9.5	3.5	100	150	3.5	B8B	P
7H7	265 114 130		6	2	250	150	10	4.2	100	150	4.2	B8B	P
7HG8	146 234 117		7.9	3	100		14		100			B9A	TT
7J7	276 454 130		6	{	3	150	6.6	1.4	150	60	1.4	B8B	TH
					3	250	100	1.4	100	100			
7K7	216 498 130		6	2	250		2.3	1.6	200		1.6	B8B	DDT
7L7	265 104 130		6	1.5	250	100	4.5	3.1	100	100	3.1	B8B	P
7MP18	412 365 400		7.5	5	200	175	35	11	No Data Available			B9A	P
7N7	217 446 130		6	8	250		9	2.6	100		2.6	B8B	TT
7Q7	266 414 130		6	2	100		15	6	100		4.5	B8B	H
7R1	280 300 000		7.5				60		REC		20mA	UX4	R
7R7	269 854 130		6	1	250	100	6.2	3.4	100	100	3.4	B8B	DDP
7S7	276 454 130		6	{	1	100	4.8	1.4	100	60	1.8	B8B	TH
					2	250	100	4	2	100	100		
7T7	265 104 130		6	1	250	150	10.8	4.9	100	150	4.9	B8B	P
7V7	265 114 130		6	2	300	150	10	5.8	100	150	5.8	B8B	P
7W7	265 114 130		6	2	300	150	10	5.8	100	150	5.8	B8B	P
7X6	218 009 130		6				30		REC		15mA	B8B	RR
7X7	264 189 130		6	1	250		1.9	1.5	250		1.5	B8B	DDT
7Y4	208 009 130		6				30		REC		30mA	B8B	RR
7Z4	209 008 130		6				60		REC		20mA	B8B	RR
8A1	542 310 000	A1	4	1.5	200	75	3.5	4	100	75	4	B5	P
8A1	041 231 500	A1	4	1.5	200	75	3.5	4	100	75	4	B7	P
8A2	542 310 000	A1	4	2.1	200	100	3	2.4	100	100	2.4	B5	P
8A8	645 237 114		9	{	2	100	14	5	100	60	5	B9A	TP
					2	200	175	10	6.2	100	150		
8AU8	146 231 457		8.5	{	1.25	150	8.5	4.9	100	60	5	B9A	TP
					1.5	200	125	16	7	100	100		
8AU8A	146 231 457		8.5	{	1.2	150	8.5	4.9	100	60	5	B9A	TP
					1.5	200	125	16	7	100	100		
8AW8	146 231 457		8.4	{	2	200	4	4	100	60	4	B9A	TP
					3	200	150	13	9	100	100		
8B8	414 237 516		8	{	1	100	1	1.9	100	60	1.9	B9A	TP
					16	200	200	35	6.4	100	100		

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
8BA8	146 231 457		8.4	{ 8	200		8	2.7	100	60	5	B9A	TP
				{ 3	200	150	13	9	100	100			
8BH8	146 231 457		8.4	{ 5	150		9.5	3.3	100	60		B9A	TP
				{ 1.6	200	125	15	7	100	100			
8BM8	414 237 516		7.9	{ 1	200		3.7	2.5	100	60	2.5	B9A	TP
				{ 16	200	200	35	6.4	100	100			
8BN8	811 239 641		8.4	{ 3	250		1.6	2.6	100		3.5	B9A	DDT
8BQ5	*41 23* 6*5		8		250	250	48	11.5	No Data Available			B9A	P
8BQ7A	641 237 410		8.4	{ 2	150		9	6.4	100		6	B9A	TT
8CF40	645 237 114		9	{ 2	100		14	5	100	60		B9A	TP
				{ 2	200	175	10	6.2	100	100			
8CG7	741 236 410		8.4	{ 8	250		9	2.6	100		3	B9A	TT
8CM7	701 236 441		8.4	{ 7	200		5	2	100		2.8	B9A	TT
				{ 8	250		20	4.4	100		4.7		
8CN7	891 221 643		4.2	{ 3	250		1	1.2	100		1.3	B9A	DDT
8CS7	704 236 411		8.4	{ 10.6	250		19	4.5	100		4	B9A	TT
8CW5	*51 23* 6*5		8	{ 12.5	200	175	70	10	100	60		B9A	P
8CW8	415 237 146		8	{ 1.7	250		1.2	1.6	100	60	1.6	B9A	TP
				{ 7	250	250	36	10	100	100			
8CX8	146 231 456		8	{ 1.5	150		9	4.6	100	60	4.6	B9A	TP
				{ 2	200	125	25	10	100	60			
8CY7	6*4 237 411		7.9	{ 3	250		1.2	1.3	100			B9A	TT
				{ 150			30	5.4	100				
8D2	061 231 500	G1	13	{ 3	250	100	2	1.25	100	100	1.25	B7	P
ξ 8D3	412 361 500		6	{ 2	250	250	10	7.5	100	PenLF 5	5	B7G	P
				{ 1.5	200	150	4	6.4	100	PenLF 5	5		
8D4	026 510 310	G1	6	{ 2	250	100	3	1.8	100	100	1.8	A08	P
8D5	041 230 651		6	{ 3	250	100	2	1.2	100	100	1.2	B9A	P
8D6	141 230 651		6	{ 2	200	175	10	2.5	100	100	2.5	B9A	P
8D7	001 230 651	G1	6	{ 3	250	100	2	1.25	100	100	1.2	B9A	P
8D8	501 236 014		6	{ 2	250	150	3	1.9	100	100		B9A	P
8DX8	461 237 145		7.5	{ 1.7	200		30	4	100	60		B9A	TP
				{ 2.1	200	175	18	11	100	100			
8EB8	146 231 457		8	{ 2	250		2	2.7	100	60		B9A	TP
				{ 200	125	25	12.5	100	100				
8EM5	504 234 106		8.4	{ 18	250	250	35	5.1	100	100		B9A	P
8FQ7	741 236 410		8.4	{ 8	250		9	2.6	100			B9A	TT
8G140	892 300 000		8				60	REC		20mA		B4	RR
8GE8	146 231 457		8.2	{ 2	200		4.5	4.2	100	60		B9A	TP
				{ 200	175	22	12	100	100				
8GK6	141 230 651		8	{ 7.4	250	250	48	11.3	No Data Available			B9A	P
8GN8	146 231 457		8	{ 2	250		2	2.7	100	60	3	B9A	TP
				{ 3	200	150	25	11.5	100	100			
8GW8	414 237 146		7.5	{ 1.7	250		1.2	1.6	100	60	1.5	B9A	TP
				{ 7.0	250	250	36	10	100	100			
8HG8	141 234 675		8	{ 3	100		14	5.5	100	60	5.5	B9A	TP
				{ 1.2	200	150	10	12	100	100			
8JE8	146 231 457		8.2	{ 2	200		4.5	4.2	100	60	4	B9A	TP
				{ 250	150	22	12	100	100				

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
8JK8	641 237 410		8.4	{ 1.0 1.2	100 150		5.3 10	6.8 13	100 100		6	B9A	TT
8MP12	412 365 400		8.5		200	175	25		100	100		B7G	P
8NP12	412 365 400		8.5		200	175	25		100	100		B7G	P
8RB11	504 234 106		8.5	12.5	200	200	45	7.5	100	100		B9A	P
8RHP1	414 237 516		8.2	{ 16 16	100 200	200	3.5 35	2.5 6.4	100 100	60 100	2.5 6	B9A	TP
8SN7	461 471 230		8.4	8	250		9	2.6	100		2.6	A08	TT
8T27	641 237 410		8.4		150		10	6.8	100			B9A	TT
9A1	542 231 000	A1	4	1.5	200	75	5	4.2	100	75	4.2	B5	P
9A1	045 231 500	A1	4	1.5	200	75	5	4.2	100	75	4.2	B7	P
9A3	061 231 500	G1	4	2	250	125	10	1.8	100	100	1.8	B7	P
9A8	645 237 114		9	{ 2 2	100 200	175	14 10	5 6.2	100 100	60 150	5 5	B9A	TP
9AB4	602 304 100		9	2	250		10	5	100			B7G	T
9AK8	†91 238 146		9.5	2.3	200		1	1.4	100		1.4	B9A	DDDT
9AQ8	641 237 410		9	2.1	200		10	5.8	200		5.8	B9A	TT
9AU7	741 226 413		4.7	3.5	250		10.5	2.2	100		2.2	B9A	TT
9BM5	412 365 400		9	6	250	250	30	7	100	100		B9A	P
9BQ7A	641 237 410		8.4	2	150		9	6.4	100		6	B9A	TT
9BR7	641 229 813		4.7	2.0	250		10	4	100		4	B9A	DDT
9BW6	*41 230 651		9	12.5	250	250	45	4.1	100	150	4	B9A	P
9C8	645 237 114		9	{ 2 2	100 200	175	14 10	5 6.2	100 100	60 100	5	B9A	TP
9CL8	461 237 514		9.5	{ 0.75 0.1	150 150	125	15 12	8 5.8	100 125		7.5 5	B9A	TP
9D2	061 231 500	G1	13	3	250	125	10.5	1.65	100	100	1.8	B7	P
9D6	412 361 500		6	2.5	250	200	8	2.5	100	100	2.5	B7G	P
9D7	141 230 651		6	1.5	250	100	10	8.4	100	100		B9A	P
9DZ8	414 237 516		9	{ 150 150	125	45	0.8 7.5	1.4 100	100 100	60 100	1.4	B9A	TP
9EF6	026 540 310		9.4	18	250	250	50	5	100	100		A08	P
9EN7	157 236 414		9	{ 150 200	150	7.6	6 8.5	5 100	100 100	60 100		B9A	TP
9GB8	641 237 541		9.4	{ 250 250	250	12	8 100	100 100	100 100	60 100		B9A	TP
9J6	762 344 100		9	0.85	100		8.5	5.3	100		5.3	B7G	TT
9P9	412 365 400		9	6	250	250	30	7	100	100		B9A	P
9RA6	140 230 406		9.5	12	250		26	8.5	100			B9A	T
9T8	†91 238 146		9.5	3	250		1	1.2	100		1.3	B9A	DDDT
9T26	641 237 410		9.5	2.3	250		10	6	100		6	B9A	TT
9TP4	145 237 614		9.4	{ 68 68	150 250	100	18 10	8.5 5.2	100 100	60 100		B9A	TP
9U8	645 237 114		9.5	{ 1 1	150 250	100	18 10	8.5 5.2	100 100	60 100	8.5 5	B9A	TP
9U8A	645 237 114		9.5	{ 1 1	150 250	100	18 10	8.5 5.2	100 100	60 100	8.5 5	B9A	TP
9X8	146 231 457		9.5	{ 3.5 3.5	100 150	150	8.5 6.2	5.8 2.1	100 100	60 100		B9A	TP

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
10	264 300 000		7.5	32	250		16	1.55	100		1.5	UX4	T
10BM8	414 237 516		10	11.5	100		3	2.2	100	60		B9A	TP
10BQ5	041 230 605		10		150	150	41	7.5	100	100			
10C1	276 454 130		28	3.3	100		6	3	100	60	3	B8A	TH
10C2	276 454 130		28		200	100	8	2.5	100	100	2.5		
				1.5	175	100	3	5	100	100	5	B8A	TP
10C8	641 237 541		10.5	2.7	250		7.3	4.4	100	60	5	B9A	TP
					1.5	150	125	11.5	8	125	125		
10C14	541 237 164		19	2.2	100		13.7	3.7	100	60		B9A	TP
					200	100	5	2.3	100	100			
10CW5	*41 23* 6*5		10	12.5	150	150	70	10	No Data Available			B9A	P
10D1	892 310 000		13				5		D			B5	RR
10D2	192 310 800		19				5		D			B7G	RR
10DA7	614 237 411		10.5	8	250		9	2.6	100			B9G	TT
					17.5	150		40	5.7	100			
10DA8	604 237 411		10.5	8	250		9	2.6	100			B9A	TT
10DE7	744 236 411		10	17.5	150		32	6.5	100			B9A	TT
					11	250		5.5	2	100			
10DR7	744 236 411		9.7	17.5	150		35	6.5	100			B9A	TT
					3	250		1.4	1.6	100			
10EB8	146 231 457		10.5	2	250		2	2.7	100	100		B9A	TP
					200	125	25	12.5	100	100			
10EG7	461 471 230		9.7	11	350		5.5	2	100			A08	TT
					17.5	150		45	7.5	100			
10EM7	461 471 230		9.7	20	150		50	7.2	100			B9A	TT
					3	250		1.4	1.6	100			
10ER5	142 360 100		10.8	1.2	200		10	10.5	No Data Available			B7G	T
10EW7	744 236 411		9.7	17.5	150		45	7.5	100			B9A	TT
					11	250		5.5	2.0	100			
10DX8	461 237 145		10	1.7	200		3	4	100	60	4	B9A	TP
					2.1	200	175	18	11	100	100		
10F1	261 514 130		22	1.8	200	200	10	9	100	100		B8A	P
10F3	260 154 130		22	2.3	200	200	6	6.5	100	150	7	B8A	P
10F9	260 154 130		13	2.5	200	100	7	2.3	100	100	2.3	B8A	P
10F18	141 230 651		13	1.3	200	100	12	4.5	100	100		B9A	P
10FD7	644 237 411		9.7	17.5	250		6	1.6	100		1.6	B9A	TT
					150		45	7.5	100				
10FD12	541 236 891		19	1.5	200	200	11	4.5	100	100		B9A	DDP
10FG7	141 237 064		9.7	3	250		1.4	1.6	100			B9A	TT
					150		50	7.2	100				
10GF7	141 237 064		9.7	20	150		50	7.2	100			B9D	TT
					3	250		1.4	1.6	100			
10GN8	146 231 457		10.5	2	250		2	2.7	100	60	3	B9A	TP
					3	200	150	25	11.5	100	100		
10GW8	415 237 146		10	1.7	250		1.2	1.6	100	60	1.6	B9A	TP
					7	250	250	36	10	100	100		
10HP8	146 231 457		10		250		4	4	100	60	4	B9A	TP
					250	250	18	12.5	100	100			

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE	
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V			
10JY8	146 231 457		10.5	{	125		15	10.4	100	60	}	B9A	TP	
					200	150	24	11	100	100				
10KR8	146 231 457		10.5	{	100		15	10.4	No Data Available			}	B9A	TP
					200	100	19.5	20.0						
10L1	412 314 600		19	1.5	250		10	8.5	100		8	B7G	T	
10L14	641 237 410		26	2.1	200		10	5.8	100		5	B9A	TT	
10LD3	264 098 130		14	1.1	150		0.6	1.95	150		1.9	B8A	DDT	
10LD11	264 098 130		15	5.9	250		5	2.3	100		3	B8A	DDT	
10LD12	†91 238 146		28	2.3	200		1	1.4	100		1.4	B9A	DDDT	
10LD13	641 238 09*		13	4.4	150		0.5	1.4	100		1.4	B9A	DDT	
10P13	260 054 130		40	6	150	150	30	7.5	100	100	6	B8A	P	
10P14	026 540 310		40	9.4	200	175	40	7.2	100	150	6	A08	P	
10P18	*41 23* 6*5		45	12.5	200	175	70	10	100	100	9	B9A	P	
10PL12	414 237 516		50	{	100		3.5	2.5	100	60	}	B9A	TP	
					200	200	35	6.4	100	100				
11	362 400 000		1.1	4.5	90		2.5	0.4	80		0.4	UX4	T	
11A1	*1* 234 **6		6.3		150		100	12				B9A	T	
11A2	908 231 600	G1	4	2	200		3	2.8	100		2.8	B7	DDT	
11A6	264 147 300		10	1	100			3.1	100		3.1	A08	TT	
11C5	026 040 310		10	1	100			2	100		2	A08	T	
11CY7	742 364 110		11	{	3		250	1.2	1.3	100	}	B9A	TT	
					150		30	5.4	100					
11D3	908 231 600	G1	13	2	250		0.6	1.1	100		1.1	B7	DDT	
11D5	908 231 600	G1	13	3	250		3.8	1.5	150		1.5	B7	DDT	
11E1	216 540 030		6		250	250	50	7.3	100	100	7	M08	P	
11E2	020 540 310	A1	6	16.5	200	200	25	9	100	150	8	A08	P	
11E8	200 647 310	G1	11		150		20		100			A08	TT	
11E13	414 226 573		6.3	40	300	200	74		No Data Available			B9A	PP	
11F6	026 540 310		10	1	100	150		2.5	100	150	2.5	A08	P	
11J7	026 500 310	G1	10	1	250	100		1.2	250	100	1.2	A08	P	
11JE8	146 231 457		10	{	2		200	4.5	4.2	100	60	}	B9A	TP
					200	175	22	12	100	100				
11K7	026 500 310	G1	10	1	250	100		1.4	250	100	1.4	A08	P	
11L6	026 540 310		10	1	100	150		6	100	150	6	A08	P	
11N7	026 447 310		10	1	100			3.1	100		3.1	A08	TT	
11X5	028 090 310		11				30		REC		15mA	A08	RR	
12	364 200 000		1.1	4.5	90		2.5	0.42	80		0.4	UX4	T	
12A	264 300 000		5	4.5	90		5	1.5	80		1.5	UX4	T	
12A4	142 330 406		6	9	250		23	0.8	250		0.8	B9A	T	
12A5	265 413 200		6	15	100	100	17	1.7	100	90	1.7	UX7	P	
12A6	026 540 310		12.5	12.5	250	250	30	2	100	150	3	A08	P	
12A7	265 181 300	G1	12.5	{			30		REC		15mA	}	Sm7	RP
					12.5	150	150	9	1	100	100			
12A8	026 545 310	G1	12.5	3	250	100	3.5	1.15	100	100	1.1	A08	H	
12AB5	504 234 156		12	12.5	250	250	45	4.1	250	200	4	B9A	P	
12AB5	421 060 350		12	22.5	250	150	57	5.9	100	100	5.8	A08	P	
12AC5	26* *54 130		12	3	200	125	2.3	2.3	100	150	2.3	B8A	P	
12AC6	412 365 100		12.6		12.6		0.5	0.7	No Data Available			B7G	P	

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE	
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V			
12AD5	541 236 **0		12.6	2.5	100	100	6	2.2	100	100	2.5	B9A	P	
12AD6	412 365 100		12.6		12	12	5	3.8	No Data Available			B7G	P	
12AD7	641 227 413		6	2	250		1.25	1.6	100			B9A	TT	
12AE6	412 389 600		12.6		12.6		0.7	1	No Data Available			B7G	DDT	
12AE7	641 227 413		6.3		12.6		0.9	6.5	No Data Available			B9A	TT	
12AF3	*** 23* 88*		12.6				120		REC		40mA	B9A	R	
12AF6	412 365 100		12.6		12	12	0.7	1.1	No Data Available			B7G	P	
12AG6	412 365 100		12.6	0.8	12	12	0.5		No Data Available			B7G	H	
12AH7	417 146 230		12.5	3.6	100		3.7	1.55	80		1.5	A08	TT	
12AH8	541 227 463		6	{	100		14.7	3.5	100	60	3.5	B9A	TH	
			250		100	2.6	100	100	2.8					
12AJ6	412 314 600		12.6		12		0.7	1.2	No Data Available			B7G	TT	
12AJ7	541 237 464		12	{	100		4	2	100	60	2	B9A	TH	
			2.5		250	90	3	0.6	100	100				
12AJ8	541 237 464		12	{	60		2.6		60	60		B9A	TH	
			1.2		100	60	1.7		100	60				
12AK7	741 226 413		6	2	250		1.2	1.6	150		1.6	B9A	TT	
12AL5	192 310 800		12.5				5		D			B7G	RR	
12AL8	654 237 141		12.6	{	0.9	12	0.2	0.5	No Data Available			B9A	TP	
			0.8		12	12	25	8						
12AQ5	412 365 400		12.5	12.5	250	250	45	4.1	100	150	4	B7G	P	
12AS5	142 345 600		12	8.5	150	100	35	5.6	150	100	5.6	B7G	P	
12AT6	412 389 600		12.5	3	250		1	1.2	100		1.2	B7G	DDT	
12AT7	741 226 413		6	2	250		10	5.5	200		5	B9A	TT	
12AU4	001 080 230		12				120		REC		40mA	A08	R	
12AU6	412 365 100		12.5	1	250	150	10.8	5.2	100	100	5.2	B7G	P	
12AU7	741 226 413		6	8.5	250		10.5	2.2	100		2.2	B9A	TT	
12AU8	146 231 457		12.6	{	150		8.5	4.9	100	60		B9A	TP	
			200		125	15	7	100	100					
12AV5	421 060 350		12.6	22.5	250	150	55	5.5	No Data Available			A08	P	
12AV6	412 389 600		12.5	2	250		1.2	1.6	100		1.2	B7G	DDT	
12AV7	741 226 413		6	1	150		18	8.5	100		7	B9A	TT	
12AW6	412 365 100		12.5	1.5	250	150	7	5	100	150	5	B7G	P	
12AW7	412 365 100		12.5	1.8	250	150	7	5	100	150	5	B7G	P	
12AX4	001 080 230		12.5				120		REC		35mA	A08	R	
12AX7	741 226 413		6	2	250		1.2	1.6	150		1.6	B9A	TT	
12AY3	080 230 801		12.6				180		REC		35mA	B9D	R	
12AY7	641 227 413		6	4	250		3	1.7	100		1.7	B9A	TT	
12AZ7	741 226 413		6	2	200		10	5.5	100		5.5	B9A	TT	
12B3	080 230 808	C1	12.6						D			B9A	R	
12B4	142 330 406		6	17.5	150		34	6.4	150		6.3	B9A	T	
12B6	026 080 310	G1	12.5	2	250		0.9	1.1	150		1.1	A08	DT	
12B7	265 104 130		12.5	3	250	100	9.2	2	100	100	2	B8B	P	
12B8	127 561 340	G1	12.5	{	1.1	100		0.6	1.5	100	60	1.5	A08	TP
			3		100	100	8	2.1	90	90	1.8			
12BA6	412 365 100		12.5	1	250	100	11	4.4	100	100	4.4	B7G	P	
12BA7	641 231 106		12.5	2	100		18	7	100		7	B9A	H	
12BC32	412 389 600		12	2	250		1	1.6	100		1.2	B7G	DDT	



VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
12BD6	412 365 100		12.5	3	250	100	9	2	100	100	2	B7G	P
12BE6	412 366 100		12.5	2	100		20	7	100		5	B7G	H
12BF6	412 398 600		12.5	9	250		9.5	1.9	100		1.9	B7G	DDT
12BH7	741 226 413		6	10.5	250		11.5	3.1	100		4	B9A	TT
12BK5	604 231 450		12	5	250	250	35	8.5	100	150	8	B9A	P
12BK6	412 389 600		12.5	2	250		1.2	1.6	150		1.6	B7G	DDT
12BL6	412 365 100		12.6	0.6	12	12	1.4	1.3	No Data Available			B7G	P
12BN6	142 354 600		12.5	1	60	60	0.5	1	80	60	1	B7G	P
12BQ6	020 540 310	A1	12	22.5	250	150	57	5.9	100	100	5	A08	P
12BR7	641 228 913		6	2	250		10	5.5	100		4	B9A	DDT
12BR7A	641 228 913		6.3		100		3.7	4	100			B9A	DDT
12BS3A	*8* 23* 8*1		12.6				180		REC		40mA	B9D	R
12BT6	412 389 600		12.5	3	250		1	1.2	150		1.2	B7G	DDT
12BU6	412 389 600		12.5	9	250		9.5	1.9	150		1.9	B7G	DDT
12BV7	141 223 651		6	2.2	250	150	27	13	100	100		B9A	P
12BW4	800 230 901		12				30		REC		15mA	B9A	RR
12BX6	141 230 651		12.6	2	150	150	10	7.4	100	100		B9A	P
12BY7	141 223 651		6	2.1	250	150	25	12	150	100	10	B9A	P
12BZ6	412 365 100		12.6	1	100	125	14	8	125	125	7	B7G	P
12BZ7	741 226 413		6	2	250		2.5	3.2	100		3	B9A	TT
12C2C	026 040 310		12.6	8	250		9	2.6	100			A08	T
12C5	142 345 600		12	7.5	150	100	49	7.5	100	90	6	B7G	P
12C8	026 985 310	G1	12.5	3	250	125	10	1.3	100	100	1.3	A08	DDP
12CA5	142 345 600		12	4.5	125	125	36	9.2	100	100	8	B7G	P
12CD6	021 040 350	A	12.6	55	150	150	75	7.7	100	100		A08	P
12CM6	504 234 106		12	12.5	250	250	45	4.1	100	100		B9A	P
12CN5	142 345 600		12.6		12	12	4.5	3.8	No Data Available			B7G	P
12CR5	154 231 541	A1	12.6	22.5	250	150	65	6	100	100		B9A	P
12CR6	182 365 400		12	2	250	100	6.9	2.2	100	100	2	B7G	DP
12CS5	514 234 1*6		12.6	10	200	125	47	8	100	188		B9A	P
12CS6	112 365 400		12	1	100	30	0.8	1.5	No Data Available			B7G	P
12CT8	641 237 541		12	1.4 1.5	150		9	4.9	100	60	4.5	B9A	TP
					200	125	15	7	100	100			
12CU5	142 345 600		12	8	150	100	50	7.5	100	100	7	B7G	P
12CU6	020 540 310	A1	12	22	250	150	57	5.8	100	100		A08	P
12CX6	412 365 100		12.6		12	12	3	3.1	No Data Available			B7G	P
12CY6	412 365 100		12.6		12	12	1.6	3.2	No Data Available			B7G	P
12D4	**1 *8* 230		12						D			A08	D
12D26	412 365 100		12.6		12	12	4.5	3.8	No Data Available			B7G	P
12DA6	041 230 651		12	1	200	100	12	4.4	100	100		B9A	P
12DB5	614 234 1*6		12.6	9.6	200	125	46	8	100	100		B9A	P
12DE8	418 236 151		12.6	0.8	12	12	1.3	1.5				B9A	DP
12DF5	801 229 013		6.3				30		REC		15mA	B9A	RR
12DF7	641 227 413		6.3	2	250		1.2	1.6	100		1.2	B9A	TT
12DJ8	641 237 410		12.6	1.3	100		15	12.5	No Data Available			B9A	TT
12DK5	141 230 651		12.6		12	12	2	3.3	No Data Available			B9A	P
12DK7	141 223 651		6.3		12	12	6	5	No Data Available			B9A	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
12DL4	414 234 464		12		150		12.5	14	No Data Available			B9A	T
12DL6	815 236 419		12.6	2.5	12	12	3.8	6.5	No Data Available			B9A	DDP
12DL8	814 236 519		12.6	0.5	12	12	40	15	No Data Available			B9A	DDP
12DM4	0*1 080 230		12.6				180		REC	35mA		B9A	R
12DM5	142 345 600		12.6	7.5	150	100	49	7.5	100	100		B7G	P
12DM7	641 227 413		6.3	2	250		1.2	1.6	100		1.2	B9A	TT
12DQ6	020 540 310	A1	12	22.5	250	150	75	6.6	100	100		A08	P
12DQ7	141 223 651		6	2.1	100	125	26	10.5	100	100		B9A	P
12DS7	805 236 419		12.6	2	12	12	40		No Data Available			B9A	DDP
12DT1	412 389 600		12.6	3	250		1	1.2	100		1.2	B7G	DDT
12DT2	412 389 600		12.6	2	250		1.1	1.6	100		1.6	B7G	DDT
12DT5	504 234 1*6		12.6	16.5	250	250	38	6.2	100	100		B9A	P
12DT6	412 365 100		12.6	2.2	150	100	1.1	0.8	150	100	2	B7G	P
12DT7	641 227 413		6.3	2	250		1.2	1.6	100		1.6	B9A	TT
12DT8	741 236 410		12.6	2.5	250		10	5.5	100		4	B9A	TT
12DU7	415 236 8*9		12.6		12	12	12	6.2	No Data Available			B9A	DDP
12DV7	198 226 413		12.6		12		0.4	0.7	No Data Available			B9A	DDT
12DV8	914 236 518		12.6	1.0	12.6	12.6	6.8		No Data Available			B9A	DDP
12DW5	504 234 106		12.6	22.5	200	150	55	5.5	100	100		B9A	P
12DY8	415 237 164		12.6	{	12		1.2	2	No Data Available			B9A	TP
			12		12	14	6						
12DZ6	412 365 100		12.6		12	12	4.5	3.8	No Data Available			B7G	P
12E1	020 540 310	A1	6	18	150	150	75	9.8	100	100	10	A08	P
12E1C	*36 541 210		6.3	20	300	150	90	10	No Data Available			A08	P
12E4	541 237 464		12.6	{	2.6	200		5.4	100	60		B9A	TH
			200		100	3.7			100	100			
12E5	026 040 310		12.5	13.5	250		5	1.4	100		1.4	A08	T
12E8	027 546 310	G1	12	{	100		3.3		100	60		A08	TH
			2		100	100	3	0.5	100	100	0.5		
12E14	*36 541 210		6.3	20	300	150	90	10	No Data Available			A08	P
12EA6	412 365 100		12.6		12	12	3.2	3.8	No Data Available			B7G	P
12EA6A	412 398 600		12.6	1	12		0.1	0.5	No Data Available			B7G	DDT
12EC8	461 237 514		12.6	{	12		2.4	4.7	No Data Available			B9A	TP
			12		12	0.6	2						
12ED5	142 345 600		12.6	4.0	100	100	32	8.1	100	100	9	B7G	P
12EF6	026 540 310		12.6	18	250	250	50	5.0	100	100		A08	P
12EH5	142 345 600		12.6	3.2	100	125	42	14.6	100	125		B7G	P
12EK6	412 365 100		12.6		12	12	4.4	4.2	No Data Available			B7G	P
12EL6	462 398 100		12.6		12		0.7	1.2	No Data Available			B7G	DDT
12EM6	415 236 **8		12.6		12	12	6	5	No Data Available			B9A	DP
12EN6	026 540 310		12.6	9.5	200	100	50	8.0	100	60		A08	P
12EQ7	141 235 680		12.6		100	100	9	3.9	100	100		B9A	DP
12ES5	142 360 100		12.6	1	200		10	9.4	100			B7G	T
12EX6	412 365 100		12.6	1.0	12	12	2.4	4	No Data Available			B7G	P
12EZ6	412 365 100		12.6	0.7	12	12	1.9	2.7	No Data Available			B7G	P
12F	280 300 000		5				60		REC	20mA		UX4	R
12F5	020 600 310	G1	12.5	2	250		0.9	1.5	150		1.5	A08	T
12F8	856 239 141		12.6	0	12	12	1	1	No Data Available			B9A	DDP

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
12F31	412 365 100		12	1	100	100	10.8	4.3	100	100	4.3	B7G	P
12FK6	412 389 600		12.6		12		1.3	1.2	No Data Available			B7G	DDT
12FM6	412 398 600		12.6		12		1	1.3	No Data Available			B7G	DDT
12FQ8	747 236 461		12	1	200		3	1.5	100		1.5	B9A	TT
12FR8	414 325 786		12.6	{ 0.6 0.8	12 12		1 1.9	1.2 2.7	No Data Available			B9A	DTP
12FT6	412 389 600		12.6		12		2	1.9	No Data Available			B7G	DDT
12FX8	747 324 161		12.6	{	12.6 12.6 12.6		1.3 4.4 1.3	1.4 3.6 1.4	No Data Available			B9A	TH
12FX8A	747 324 161		12.6	{	12.6 12.6		1.3 4.4	1.4 3.6	No Data Available			B9A	TH
12G4	602 364 100		12	8	250		10	3	100		3	B7G	T
12G7	026 980 310	G1	12.5	3	250			1.2	100			A08	DDT
12G8	714 226 143		6.3	12.6			7.2	2.6	No Data Available			B9A	TT
12GA6	412 366 100		12.6		12.6		3.6	2.4	No Data Available			B7G	O
12GB3	*2* 540 310		12.6	7.7	100	100	100	14	No Data Available			A08	P
12GB6	020 540 070	A1	12.6	22.5	250	150	57	5.9	100	100	5	A08	P
12GB7	020 540 310	A	12.6	7.7	100	100	100	14	No Data Available			A08	P
12GJ5	541 234 5**	A1	12.6	22.5	250	150	70	7.1	100	100		B9D	P
12GK17	001 080 230		12.6				120		REC		30mA	A08	R
12GN6	412 365 800		12.6	68	250	100	11	4.4	100	100		B7G	DP
12GT5	541 324 5*6		12.6	22.5	250	150	70	7.1	100	100		B9D	P
12GW6	020 540 310	A1	12.6	22.5	250	150	70	7.1	100	100		A08	P
12H1C	416 147 230		12.6	6.5	200		7.6	1.9	100			A08	TT
12H4	623 364 100		6	8	250		9	2.6	90		3	B7G	T
12H6	029 180 310		12.5						D		4	A08	DD
12H10C	064 471 230		12.6	2	250		2	1.3	100			A08	TT
12H31	412 365 400		12.6		100	100	2.8	0.4	100	100	0.4	B7G	H
12J5	026 040 310		12	8	250		9	2.6	100		2.6	A08	T
12J7	026 510 310	G1	12.5	3	250	100	2	1.225	100	100	2.2	A08	P
12J8	415 236 189		12.6		12	12	12	5.5	No Data Available			B9A	DDP
12JB6	541 234 51*	A	12.6	22.5	250	150	70	7.1	100	100		B9D	P
12JT6	541 231 5*6		12.6	22.5	250	150	70	7.1	100	100		B9D	P
12K5	142 355 600		12.6	2	12	12	8	7	No Data Available			B7G	P
12K7	026 510 310	G1	12.5	3	250	125	10.5	1.65	100	100	1.6	A08	P
12K8	027 546 310	G1	12.5	{ 1 3	100 250		8 4	2.5 1.2	100 100	60 100	3 1.6	A08	TH
12L6	026 540 310		12	8.25	200	125	46	8	100	100	8	A08	P
12L8	414 752 360		12.5	9	200	175	13	2.1	100	100	2.1	A08	PP
12M7	026 510 310	G1	12	2.5	100	100	6	2.2	100	100	2.2	A08	P
12NK7	026 510 310	G1	12.5	2	250	100	5	2.3	100	100	2.3	A08	P
12P1	412 365 100		12.6	68	250	100	11	4.4	100	100		B7G	P
12P2	412 365 100		12.6	68	250	150	10.6	5.2	100	100		B7G	P
12Q7	026 980 310	G1	12.5	3	250		1	1.2	150		1.2	A08	DDT
12R5	142 345 600		12.6	8.5	100	100	40	7	100	100		B7G	P
12RK19	*** 23* **8	C	12.6				180		REC		40mA	B9A	R
12RL3	641 227 413		12.6		150		10	5.5	100			B9A	TT
12S7	268 154 130		13	2	200	90	5	2	100	100	1.9	B8A	DP

VALVE	SELECTOR SWITCH No.	T.C.	V <sub>f</sub>	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	I <sub>a</sub> mA	mA/V	Anode Volts	Screen Volts	mA/V		
12S8	†18 916 230	G1	12.5	2	250		0.9	1.1	150		1.1	A08	DDDT
12SA7	126 641 340		12.5	3.6	100		12	4.3	100		4.5	A08	H
12SA7G	026 641 340		12.5	3.6	100		12	4.3	100		4.5	A08	H
12SC7	074 461 230		12.5	2	250		2	1.3	150		1.3	A08	TT
12SF5	014 060 320		12.5	2	250		0.9	1.5	150		1.5	A08	T
12SF7	041 586 230		12.5	1	250	100	12.9	2	100	100	2	A08	DP
12SG7	021 415 360		12.5	1	250	125	11.8	4.7	100	100	4.7	A08	P
12SH7	021 415 360		12.5	1	250	150	10.8	4.9	100	150	4.9	A08	P
12SJ7	021 415 360		12.5	3	250	100	3	1.65	100	100	1.6	A08	P
12SK7	021 415 360		12.5	3	250	100	9.2	2	100	100	2	A08	P
12SL7	461 471 230		12.5	2	250		2.5	1.6	150		1.6	A08	TT
12SN7	461 471 230		12.5	8	250		9	2.6	100		2.6	A08	TT
12SQ7	041 896 230		12.5	2	250		0.9	1.1	150		1.1	A08	DDT
12SR7	041 986 230		12.5	9	250		9.5	1.9	100		1.9	A08	DDT
12SS7	021 415 360		12.5	3	250	100	9	1.85	100	100	1.8	A08	P
12SW7	041 986 230		12.5	9	250		9.5	1.9	100		1.9	A08	DDT
12SX7	471 461 230		12.5	8	250		9	2.6	100		2.6	A08	TT
12SY7	126 641 340		12.5	1	100		22	4.5	100		4.5	A08	H
12TE8	427 546 310		12		100		3.4		100	60		A08	TH
12TE9	651 237 440		12		250	100	3.7		100	100		A08	TH
					100		3.4		100	60		B9A	TH
					250	100	3		100	100		B9A	TH
12U7	741 226 413		6		12		1.2	1	No Data Available			B9A	TT
12V6	026 540 310		12.5	12.5	250	250	45	4.1	100	150	4	A08	P
12W6	026 540 310		12	9.5	150	150	58	8.0	100	100	8.0	A08	P
12WC5	265 414 300		12	1.5	250	100			No Data Available			UX7	P
12X3	210 300 000	D1	12.5				60		REC		20	UX4	R
12X4	802 309 100		12.5				30		REC		15mA	B7G	RR
12Y4	892 310 000		12				31		REC		15mA	UX4	RR
12Z3	281 300 000		12.6				30		REC		15mA	UX4	R
12Z4	281 300 000		12.5				60		REC		60mA	UX4	R
12Z5	281 319 200		6				30		REC		15mA	UX7	RR
12ZDH3A	264 813 000		12	2	250		1.5	1.5	125		1.2	UX6	DT
12ZP1A	265 413 000		12	9	200	200	30	2.3	100	150		UX6	P
13	298 300 000		5				60		REC		20mA	UX4	RR
13BCIU	206 081 930	G1	2.5	1.8	200		3	2	150		2	B8B	DDT
13BF2U	206 581 930	G1	12.5	2.1	200	200	5	2	100	200	2	B8B	DDP
13CM5	020 540 310	A	12.8		100	100	100	14	100	100		A08	P
13D1	461 471 230		25	8	250		2	2.6	100		2.5	A08	TT
13D2	461 471 230		6	8	250		9	2.6	100		2.6	A08	TT
13D3	741 226 413		6	4.6	250		6	2.3	100		2.3	B9A	TT
13D7	146 231 074		6.3		250		2.2	3.3	100			B9A	TT
13D8	741 226 413		6.3	8.5	250		10.5	2.2	100		2.2	B9A	TT
13DE7	644 237 410		13	11	250		5.5	2	100			B9A	TT
				17.5	150		32	6.5	100			B9A	TT
13DHA	908 231 600	G1	13	1.5	250		1	1.5	100		1.5	B7	DDT
13DR7	644 237 410		13	3	250		1.4	1.6	100			B9A	TT
				17.5	150		35	6.5	100			B9A	TT

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE	
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V			
13EM7	471 461 230		13	{ 20	150		50	7.2	100				B9A	TT
13F7	023 110 560		13	{ 3	250		1.4	1.6	100				8SC	P
13F9U	206 501 130	G1	12.5	{ 2	200	100	3	2.1	100	100		2.2	B8B	P
13FD7	644 237 411		6.3	{ 2.6	200	200	6.2	2.2	100	200			B9A	TT
				{ 250			6	1.6	100					
				{ 17.5	150		45	7.5	100				B9A	TT
13FG7	141 236 074		13	{ 20	150		50	7.2	100				B9A	TT
				{ 3	250		1.4	1.6	100					
13FR7	644 237 411		13	{ 3	250		1.4	1.6	100				B9A	TT
				{ 20	150		50	7.2	100					
13GF7	541 237 064		13	{ 20	150		50	7.2	100				B9D	TT
				{ 3	250		1.4	1.6	100		1.6			
13H1	023 110 560	G1	3	{ 2	200	100	3	2	100	100	2		8SC	P
13H2	023 110 560	G1	13	{ 3	200	100	8.2	1.8	100	100	1.8		8SC	P
13PGA	645 231 700	G1	13	{ 20	200		4		100	60			B7	H
				{ 3	250	100	3.5		100	100				
13SPA	061 231 500	G1	13	{ 3	200	100	2.3	1.7	100	100	2.2		B7	P
13V1	013 189 560	G1	13	{ 8.5	200	200	45	4.4	100	150	4		8SC	DDP
13VPA	061 231 500	G1	13	{ 3	200	100	7	1.8	100	100	1.8		B7	P
14	265 130 000	G1	14	{ 3	250	90	4	1	100	90	1		UX5	P
14A4	260 0*4 130		12.5	{ 8	250		9	2.6	100		2.6		B8B	T
14A5	265 004 130		12.5	{ 12.5	250	250	30	3	100	150	3		B8B	P
14A7	265 104 130		12.5	{ 3	250	100	9.2	2	100	100	2		B8B	P
14AF4	216 447 130		12	{ 10	250		9	2.1	100		2		B8B	TT
14AF7	216 447 130		12.5	{ 9	250		9	2.1	100		2.1		B8B	TT
14B6	264 *89 130		12.5	{ 2	250		0.9	1.1	150		1.1		B8B	DDT
14B8	265 454 130		12.5	{ 2	250	100		1.1	100	100	1.1		B8B	H
14C5	265 004 130		12.5	{ 12.5	250	250	47	4.1	100	150	4.1		B8B	P
14C7	265 114 130		12.5	{ 3	250	100	2.2	1.5	100	100	1.5		B8B	P
14E6	264 *98 130		12.5	{ 8	250		9.3	1.9	100		1.9		B8B	DDT
14E7	269 854 130		12.5	{ 3	250	100	7.5	1.3	100	100	1.3		B8B	DDP
14F6	026 540 310		14	{ 16.5	250	250	35	2.5	100	150	2.5		A08	P
14F7	217 446 130		12.5	{ 2	250		2.3	1.6	150		1.6		B8B	TT
14F8	427 116 340		12.5	{ 3	250		6	3.3	150		3.3		B8B	TT
14GT8	181 239 146		14	{ 3	250		0.7	1.0	100				B9A	DDT
14GW8	415 237 146		14.7	{ 1.7	250		1.2	1.6	100	60	1.6		B9A	TP
				{ 7	250	250	36	10	100	100				
14H7	265 114 130		12.5	{ 2	250	150	10	4.2	100	100	4.2		B8B	P
14J7	276 454 130		12.5	{ 3	150		6.6	1.4	100	60	1.4		B8B	TH
				{ 3	250	100	1.4		100	100				
14JG8	181 239 146		14	{ 2	250		2	2.2	100				B9A	DDT
14K7	276 454 130		14	{ 2	100		6.4	2.2	100	60	2.8		B8A	TH
				{ 2	200	90	2.7	1.5	100	75	1.5			
14L7	264 098 130		14	{ 1.6	200		1.5	1.65	150		1.6		B8A	DDT
14N7	217 446 130		12.5	{ 8	250		9	2.6	100		2.6		B8B	TT
14Q7	266 414 130		12.5	{ 2	100		15	6	100		4.5		B8B	H
14R7	269 854 130		12.5	{ 1	250	100	6.2	3.4	100	100	3.4		B8B	DDP
14S7	276 454 130		12.5	{ 1	100		4.8	1.4	100	60	1.6		B8B	TH
				{ 2	250	100	4	2	100	100	2.2			

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
14V7	265 104 130		12.5	2	300	150	9.6	5.8	100	100	5.8	B8B	P
14W7	265 114 130		12.5	2.2	300	150	10	5.8	100	100	5.8	B8B	P
14X7	264 189 130		12.5	1	250		1.9	1.5	150		1.5	B8B	DDT
14Y4	208 009 130		12.5				30		REC		15mA	B8B	RR
14Z3	281 300 000		12.5				60		REC		20mA	UX4	R
15	264 300 000		2.5	33	250		22	2.35	100		2.0	UX4	T
15	265 130 000	G1	2	1.5	150	75	1.85	0.75	100	75	0.75	UX5	P
15A2	645 231 700	G1	4	{ 20	200		4		100	60		B7	H
15A6	451 231 600		15	{ 3	250	100	3.5		100	100		B9A	P
15A8	124 541 360	A2	15	{ 8	250		9	2.6	100	60	2	A08	TP
				{ 7.5	100	100	45	7.3	100	100	7.5		
15BD7A	641 238 090		15	1.5	200		1.5	1.6	100		1.6	B9A	DDT
15CW5	*51 23* 6*5		15	12.5	200	175	70	10	100	60		B9A	P
15D1	645 231 700	G1	13	{ 20	200		4		100	60		B7	H
				{ 3	250	100	3.5		100	100		B7	H
15D2	645 231 700	G1	13	{ 20	200		4		100	60	0.6	B7	H
				{ 3	250	100	3.5		100	100	4.6	B7	H
15DQ8	461 237 145		15	{ 1.7	200		3.0	4.0	100	60	4.0	B9A	TP
					150	150	18	11	100	100			
15E	260 501 300	G1	2		150	75	1.8	0.7	100	60		B7G	P
15EA7	461 471 230		14.8	25	200		48	6.5	No Data Available			A08	TT
15EW6	412 365 100		15		150	120	11	14	No Data Available			B7G	P
15F80	541 231 600		15		200	200	36	10	No Data Available			B9A	P
15KY8A	141 237 564		15	{ 3	250		1.4	1.6	100	60		B9D	TP
				{ 10	150	100	39	8.4	100	100			
15TP7	461 237 145		15	{ 1.7	200		3	4	100	60	4	B9A	TP
				{ 2.9	200	200	18	10.4	100	100			
15X6	029 180 310		25				30		REC		15mA	A08	RR
16	280 300 000		7.5				60		REC		20mA	UX4	R
16A5	*41 23* 6*5		16	14.2	200	200	45	7.5	100	100	7	B9A	P
16A8	414 237 516		16	{ 1.5	200		1.7	2.4	100	60	3	B9A	TP
				{ 11.5	200	200	41	7.5	100	100	6		
16AQ3	*** 23* **8	C	16.4				180		REC		40mA	B9A	R
16B	280 300 000		7.5				60		REC		15mA	UX4	R
16D1	046 231 700		13		300		45		100			B7	TT
16GK6	141 230 651		16	7.4	250	250	48	11.3	No Data Available			B9A	P
16GK8	414 237 516		16	{	200		10	3.4	100	60		B9A	TP
					250	250	30	7.5	100	100			
16N8	414 237 516		15	{	100		3.3	3.6	100	60	3.6	B9A	TP
				{ 16	200	200	35	6.4	100	100			
16TP6	141 234 675		16	{	100		3.5	2.5	100	60	2.5	B9A	TP
				{ 11.5	200	175	41	7.5	100	100			
16TP8	141 234 675		16	{	100		3.5	2.5	100	60		B9A	TP
				{ 11.5	200	175	41	7.5	100	100			
17	264 130 000		14	6	90		2.7	0.8	80		0.8	UX5	T
17AV5	421 060 350		16	22.5	250	150	57	5.9	100	100	5.8	A08	P
17AX4	001 080 230		16.8				120		REC		35mA	A08	R
17AX4GTA	001 080 230		16.8				120		REC		35mA	A08	R

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
17AY3	*8* 23* 810		16.8				120			REC	30mA	B9D	R
17BH3	*8* 23* 8*1		17				180			REC	35mA	B9D	R
17BQ6	020 540 310	A1	17	22.5	250	150	75	6.6	125	100		A08	P
17BS3	*8* 23* 8*1		16.8				120			REC	40mA	B9D	R
17C5	142 345 600		16	7.5	150	100	49	7.5	100	90	6	B7G	P
17C8	541 236 891		17	2	200	125	5	2.2	100	100	2	B9A	DDP
17CA5	142 345 600		16.8	4.0	100	100	32	8	100	60		B7G	P
17CU5	142 345 600		16.8	7.5	100	100	49	7.3	100	100		B7G	P
17D1	869 231 500	G1	13	3	250	125	9	1.1	100	100	1.1	B7	DDP
17D4	**1 *8* 230		16.8						D			A08	D
17D4A	**1 *8* 230		16.8				180			REC	40mA	A08	R
17DA4	001 080 230		16.8				120			REC	30mA	A08	R
17DE4	001 080 230		17				120			REC	30mA	A08	R
17DM4	001 080 230		16.8				180			REC	35	A08	R
17DQ6	020 540 310	A1	16	22.5	250	150	75	6	125	100		A08	P
17EW8	741 236 410		17	1.1	100		4.5	4.6	100		4.6	B9A	TT
17F6	041 230 665		17	23	250	200	53	5.0	100	100		B9A	P
17FL8	541 236 891		17	1.5	200	100	11	4.5	100	100	4.5	B9A	DDP
17GJ5	541 234 5**	A1	16.8	22.5	250	150	70	7.1	100	100		B9D	P
17GT5	541 234 506		16.8	42	250	150	70	7.1	100	100		B9A	P
17GW8	415 237 146		16.8	{ 1.7	250		1.2	1.6	100	60		B9A	TP
				{ 7.0	250	250	36	10	100	100			
17HC8	414 237 516		16.8	{ 3	250		1.4	2	100	60		B9A	TP
				{ 18	250	250	38	5.1	100	100			
17JB6A	541 234 51*	A1	16.8	22.5	250	150	70	7.1	100	100		B9D	P
17JG6	541 231 5*6		16.8		150	100	80	10	100	100		B9D	P
17JK8	614 237 410		16.8	{ 1.0	100		5.3	6.8	100	60	6	B9A	TT
				{ 1.3	150		10	13	No Data Available				
17JT6A	541 231 5*6		16.8	22.5	250	150	70	7.1	100	100		B9D	P
17H3	108 230 080		17.5				60		D			B9A	D
17L6	026 540 310		16.8	7.0	100	100	49	8	100	100		A08	P
17N8	541 236 891		17	2	200	75	5	2.2	100	75	2	B9A	DDP
17R5	142 345 600		16.8	8.5	100	100	40	7	100	100		B7G	P
17R7	*** 23* **8	C	17				120			REC		B9A	R
17Z3	*** 23* **8	C	17				120			REC	40mA	B9A	R
18	265 413 000		14	16.5	250	250	34	2.5	100	150	2.5	UX6	P
18A5	421 060 350		18	17	200	125	40	4.8	100	100		A08	P
18AK5	412 365 100		18	2.5	150	125	7.7	5.1	125	100	5.1	B7G	P
18AQ5	412 365 100		18	7.2	150	175	28	3.5	100	125	3.5	B7G	P
18C51	214 607 413		18	2	150		8.2	5.5	125		5.4	B9A	TT
18D2	641 237 514		9.5	{ 1.8	150		12.5	10	100	60		B9A	TP
				{ 1.6	200	175	10	10	100	100			
18D3	645 237 114		6.3	{ 1	150		18	8.5	100	60		B9A	TP
				{ 2	150	150	7	11	100	100			
18DG6A	412 365 100		18	1	100	100	5	4.3	100	100	4.3	B7G	P
18DZ8	141 237 516		18	{	100		0.8	1.4	100	60		B9A	TP
				{	150	125	45	7.5	100	100			

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE		
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V				
18F24	261 154 130		18	2.1	250	200	15	10.5	100	100		A08	P		
18FW6	412 365 100		18	1	100	100	11	4.4	100	100	4.4	B7G	P		
18FW6A	412 365 100		18	1	100	100	11	4.4	100	100	4.4	B7G	P		
18FX6	412 365 100		18		100	100	24	7	100	100		B7G	O		
18FY6	412 389 600		18	1	100		0.6	1.3	100		1.3	B7G	DDT		
18GD6	141 230 651		18		100	100	5	4.3	100	100		B9A	P		
18GE6	142 360 100		18	1	100		1	1.7	100		1.7	B7G	T		
18GV8	641 237 514		18	}	100		10	5.5	100	60	5	}	B9A	TP	
					150	150	41	7.5	100	100					
18HB8	416 235 714		18		100		2.5	3.9	100	60				B9A	TP
18J6	672 344 100		18	1	100	100	32	6.2	100	100			B9A	TP	
							6.5	5	100		5	B7G	TT		
19	364 472 000		2	3	150		1.7		100			UX6	TT		
19A3	002 283 100		9.5				60		REC		20mA	B7G	R		
19AJ8	541 237 164		19	}	3	100	5	2.3	100	60	2.3	}	B9A	TH	
					2	250	100	6.5	2.4	150	100		2.4		
19AQ5	412 365 400		19	12.5	250	200	47	4.1	100	150	4	B7G	P		
19AU4	**1 080 230		19				120		REC		40mA	A08	R		
19BD	**1 23* **8		19				60		REC		16mA	B9A	R		
19BG6	021 040 350	A1	19	15	250	250	75	6	100	150	6	A08	P		
19BY7	141 213 651		19	2	175	100	9.7	5.9	200	100	6	B9A	P		
19C8	8†1 239 146		19	1	100		0.5	1.2	100		1.2	B9A	DDDT		
19CL8	461 237 514		18.9	}	0.85	150	15	8	100	60	8	}	B9A	TP	
					1	150	125	12	5.8	100	100		5		
19D3	541 237 464		19	}	2.6	100	13.5	7	100	60	2.4	}	B9A	TH	
					2.6	200	125	7.6	2.4	100	100		2.4		
19D8	541 237 464		19	}	2.6	100	13.5	3.7	100	60	3.7	}	B9A	TH	
					2.6	200	125	7.6	2.4	100	100		2.4		
19DC8	541 236 891		19	2	250	100	9	3.8	100	100		B9A	DDP		
19DE7	644 237 411		19.5	}	11	250	5.5		100			}	B9A	TT	
					17.5	150		35	6.5	100					
19EA8	645 237 114		18.9	}	1	150	18	8.5	100	60	8	}	B9A	TP	
					1	150	125	12	6.4	100	100				
19EH7	141 230 651		19	2	200	100	13	13	No Data Available			B9A	P		
19EJ7	141 230 651		18.9	2.5	200	200	10	15	No Data Available			B9A	P		
19EZ8	144 127 464		18.9	1	150		4.2	4.2	100		4.2	B9A	TT		
19FL8	541 236 891		19	1.5	200	100	11	4.5	100	100		B9A	DDP		
19G3	020 000 300	D1	4				30		REC		17mA	A08	R		
19G6	112 311 100	D1	4				30		REC		15mA	B7G	R		
19GQ7	1†* 239 181		18.9				5		D			B9A	DDD		
19GV8	641 237 414		18.9	}	0.6	100		6.5	100	60	6.5	}	B9A	TP	
					200	200	41	7.5	100	100					
19H1	002 300 000	D1	4				60		REC		23mA	B4	R		
19H4	020 000 300	D1	2.5				30		REC		13mA	A08	R		
19HR6	412 365 100		18.9	1.2	200	100	13.2	8.5	100	100		B7G	P		
19HS6	412 365 100		18.9	0.8	150	75	8.8	9.5	100	100		B7G	P		
19HV8	461 237 514		18.9	}	1.0	100	0.8	1.3	100	60	1.3	}	B9A	TP	
					1.0	150	150	13	7	100	100		6		
19J6	762 344 100		19	1	100		8.5	5.3	100		5.3	B7G	TT		



VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
19MR9	412 365 400		19	2.5	100	100	7	3.5	100	100	4	B7G	P
19MV5	412 365 400		19	2	150	125	10	3.5	100	100	3.5	B7G	P
19R3	001 230 008		19				180		REC		40mA	B9A	R
19RLL1	214 607 413		19	1.7	150		9	5.5	100		6	B9A	TT
19RLL2	641 237 410		19	8.5	250		10.5	2.2	100		2	B9A	TT
19RP11	401 236 514		19	7	100	100	35	5.5	100	100		B9A	P
19SU	**1 23* **8		19				120		REC		30mA	B9A	R
19T8	†91 238 146		19	3	250		1.0	1.2	150		1.2	B9A	DDDT
19U3	**1 23* **8		19				120		REC		40mA	B9A	R
19V8	681 234 †19		19	3	250		1.0	1.2	100		1.3	B9A	DDDT
19W3	**1 23* *08		19				120		REC		35mA	B9A	R
19X3	**1 23* **8		19				120		REC		60mA	B9A	R
19X8	146 231 457		19	{ 1	100		8.5	5.8	100	60	5	B9A	TP
				{ 1.8	250	150	7.7	5.6	100	150	4		
19Y3	**1 23* **8		19				120		REC		60mA	B9A	R
19Y40	001 230 008		19				180		REC		40mA	B9A	R
20	364 200 000		3	16.5	90		3	0.4	80		0.4	UX4	T
20A1	645 231 700	G1	4	12.5	100		2.3		100	60	1.2	B7	TH
				1.5	250	75	2.2		100	75	2.8		
20A3	412 316 100		6		400		50	6	No Data Available			B9A	P
20D1	182 310 900		9.5				5		D			B7G	RR
20D2	745 231 600	G1	13	{ 7.5	100		3.8		100	60		B7	TH
				{ 3	250	100	2.5		100	100			
20D3	541 227 463		6	{ 1	100			3.6	100	60	3.6	B9A	TH
				{ 3	250	100	3.6		100	100			
20D4	541 237 164		6.3	{ 2	100		15	3.5	100		3.3	B9A	TH
				{ 2	250	100	7	2.8	100	100			
20EQ7	141 235 680		20		100	100	9	10.9	100	100		B9A	DP
20EZ7	223 146 741		10	1.0	150			1.6	100		1.6	B9A	TT
20F2	260 154 130		11	1.2	150	150	27	10.6	100	100	9	B8A	P
20J8	027 546 310	G1	20	{ 1.5	100		1.5		100			A08	H
				{ 3	250	100	1.5		100	100			
20L1	274 164 130		12	12	250		10	2.8	100		2.8	B8A	TT
20P1	020 540 310	A1	38	30	200	200	80	6	100	100	5	A08	P
20P2	020 540 310	A1	38	7.5	250	250		13.5	100	100	10	A08	P
20P3	026 540 310		20	9.4	200	175	42	7.2	100	100	6	A08	P
20P4	020 540 310	A1	38	33	200	200	100	6	No Data Available			A08	P
20P5	260 054 130		20	6.3	200	150	29	7.5	100	100	7	A08	P
20RDHV1	145 237 864		20	{ 2	250		1.2	1.6	100	60	1.5	B9A	DTP
				{ 1	250	100	9	3.5	100	100	3		
20Y1	023 100 080		20				60		REC		20mA	F8	R
20Y40	000 230 008	C	20				120		REC		30mA	B9A	R
21A6	*41 23* *51	A1	21.5	28	200	200	40	6.0	100	100		B9A	P
21A7	276 454 130		21	{ 3	150		3.5		100	60		B8B	TH
				{ 3	250	100	1.3		100	100			
21B6	041 230 051	A1	21	23	200	200	45	6.5	100	100		B9A	P
21CW7	146 234 117		21	1.5	90		12	6	80		6	B9A	TT
21DJ8	641 237 410		21	1.3	90		15	12.5	No Data Available			B9A	TT

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
21ES8	641 237 410		21	1.3	100		15	12.5	No Data Available			B9A	TT
21EX6	021 040 350	A1	21.5		200	150	67	7.7	100	100		A08	P
21L40	041 231 051	A1	21.5	28	200	200	40	6	100	100		B9A	P
21TH8	027 546 310	G1	21	{	100		4	2	100	60	2	A08	TH
22	365 200 000	G1	3		2.5	200	90	3	0.7	100	90		
				1.5	150	50	1.7	0.3	125	60	0.5	UX4	P
22AC	265 300 000	G1	2.5	3	90	90	4	1.05	80	90	1	UX4	P
22AQ3	*** 23* **8	C	22				180		REC		20mA	B9A	R
22BH3	*8* 23* 8*1		22.4				180		REC		40mA	B9D	R
22DE4	001 080 230		22.4				120		REC		30mA	A08	R
22FC7	146 234 117		21.6	1.2	90		15	12.3				B9A	TT
22JG6	541 231 5*6		22		150	150	80	10	No Data Available			B9D	P
22JU6	541 234 51*	A1	22	20	150	100	45	7	100	100		B9D	P
22S/101G	182 310 900		6.3				5		D			B7G	R
23	205 411 300	A1	2.5	90	400	150	43		No Data Available			UX7	P
24	264 300 000		2	13.5	200		8	1.6	100		1.2	UX4	T
24A	265 130 000	G1	2.5	3	200	90	4	1	100	90	1	UX5	P
24E	265 130 000	G1	2.5	3	200	90	4	1	100	90	1	UX5	P
24NG	281 193 000		40				30		REC		15mA	UX6	RR
24S	265 130 000	G1	2.5	3	200	90	4	1	100	90	1	UX5	P
25	268 943 000		2	3	150		1.0	0.5	125		0.5	UX6	DDT
25	205 411 300	A1	6.3	90	400	150	43		No Data Available			UX7	P
25A6	026 540 310		25	18	150	125	33	2.3	100	90	3.5	A08	P
25A7	126 548 310		25	{			60		REC		20mA	A08	RP
					15	100	100	20.5	1.8	100	90		
25ACID	206 008 030	G1	1.4	0	150		0.76	0.4	100		0.3	A08	DT
25AC5	026 040 310		25		200		4	3.8	100		3.5	A08	T
25AV5	421 060 350		25	22.5	250	150	57	5.9	100	100	5.8	A08	P
25AX4	001 080 230		25				120		REC		30mA	A08	R
25B5	267 413 000		25	{	100		45	2.2	100		2	UX7	TT
					100		7			100			
25B6	026 540 310		25	22	150	150	61	5	100	100	5	A08	P
25B8	127 561 340	G1	25	{	100		0.6	1.5	100	60	1.5	A08	TP
					3	100	100	7.6	2	100	100		
25BG6	021 040 350	A1	25		150	150	70	5	No Data Available			A08	P
25BK5	604 231 450		25	5	250	250	35	8.5	100	150	8	B9A	P
25BQ6	020 540 310	A1	25	22.5	250	150	55	5.5	100	100		A08	P
25C5	142 345 600		25	7.5	150	100	49	7.5	100	90	6	B7G	P
25C6	026 540 310		25	14	200	150	61	7.1	100	100	7	A08	P
25CA5	142 345 600		25	4.5	150	125	36	9.2	125	125	9.2	B7G	P
25CD6	021 040 350	A1	25	30	200	200	75	7.5	100	100	7.5	A08	P
25CR5	154 231 541		25	22.5	250	150	65	6	100	100		B9A	P
25CU6	020 540 310	A1	25		300	150	80		No Data Available			A08	P
25D4	001 080 230		25				120		REC		30mA	A08	R
25D8	127 546 380	G1	25	{	100		0.5	1.1	100	60	1.1	A08	DTP
					3	100	100	8.5	1.9	100	100		
25DK4	002 380 100		25				60		REC		15mA	B7G	R
25DN6	021 040 350	A1	25		150	150	70	9	No Data Available			A08	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
25DQ6	020 540 310	A1	25	22.5	250	150	75	6	100	100		A08	P
25DT5	504 234 1*6		25	16.5	250	250	38	6.5	100	100		B9A	P
25E2	541 227 365		12.6	2	200		6.5		100	100		B9A	TH
25E5	020 540 310	A1	25		21	200	200	100	11	No Data Available			
25EC6	021 040 350	A1	25		150	100	70	7.5	No Data Available		A08	P	
25EH5	142 345 600		25	3.2	100	125	42	14.6	No Data Available		B7G	P	
25F5	142 345 600		25	7.5	100	100	37	5.8	No Data Available		B7G	P	
25F7	020 540 310	A	25	21	150	150	100	11	100	100		A08	P
25FG6	*2* 540 310	A1	25	21	200	175	100	11	No Data Available		A08	P	
25FID	206 501 040	G1	1.4	2.5	150	125	1.2	0.7	100	100	0.7	A08	P
25GB6	020 540 310	A1	25	22.5	250	150	6.5	6	100	100		A08	P
25GY8	414 237 516		25	1.5	150		2.5	2	100	60	2	B9A	TP
25L6	026 540 310		25		13.5	150	125	50	7	100	100		
25MK15	002 380 100		25	8.2	200	125	47	8	100	90	8	A08	P
25RE	281 193 000		25				25		REC		20mA	B7G	R
25S	268 943 000		2	3	150		0.8	0.6	100		15mA	UX6	RR
25SN7	461 471 230		25	8	250		9	2.6	100		0.6	UX6	DDT
25T3G	020 000 310	D1 D2	25				60		100		2.5	A08	TT
25U4	001 080 230		25				120		REC		15mA	A08	RR
25V5	028 190 310		25				60		REC		30mA	A08	R
25W4	001 080 230		25				120		REC		20mA	A08	R
25W6	026 540 310		25	8.5	250	125	46	8	100	100	8	A08	P
25W9	001 080 230		25				120		REC		30mA	A08	R
25X4	020 080 310		25				120		REC		30mA	A08	R
25X5	020 080 310		25				120		REC		30mA	A08	R
25X6	028 190 310		25				30		REC		15mA	A08	RR
25Y4	020 080 310		25				60		REC		20mA	A08	R
25Y5	281 193 000		25				60		REC		40mA	UX6	RR
25Y5G	028 190 310		25				60		REC		40mA	A08	RR
25Y6	028 190 310		25				30		REC		15mA	A08	RR
25Z3	281 300 000		25				60		REC		20mA	UX4	R
25Z4	028 080 310		25				120		REC		60mA	A08	R
25Z5	291 183 000		25				60		REC		60mA	UX6	RR
25Z6	029 180 310		25				60		REC		60mA	A08	RR
26	264 300 000		1.5	10	150		5.5	1.1	100		1.1	UX4	T
26AE6	*** 23* **8	C	26						D			B9A	R
26A6	412 365 100		26	1.8	250	250	10.5	4	100	100	4	B7G	P
26A7	414 752 360		26	4.5	30	30	20	5.5	No Data Available			A08	PP
26AQ8	641 237 410		26	1.5	200		8.7	6	100		6	B9A	TT
26B6	026 540 310		35	18	250	125	33	2.3	100	90	2.3	A08	P
26BK6	412 389 600		26	2	250		1.2	1.6	150		1.6	B7G	DDT
26BQ6	020 540 310	A1	25	22.5	250	150	55	5.8	100	100		A08	T
26C6	412 398 600		26	9	250		9.5	1.9	100		1.9	B7G	DDT
26CG6	412 365 100		26		250	150	9	2	100	100		B7G	P
26D6	412 365 100		26	0	100	100	2.7	7.2	100	100	6	B7G	H

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
26E6	026 540 310		26	14	200	125	60	7.1	100	100	7	A08	P
26NG	281 193 000		40				30		REC		15mA	UX6	RR
26Z5W	801 229 013		13				30		REC		15mA	B9A	RR
26Z6	801 239 010		26				60		REC		15mA	B9A	RR
27	264 130 000		2.5	21	250		5.2	0.9	100		0.9	UX5	T
27BL8	645 237 114		27	{ 2	100		14	5	100	60	5	B9A	TP
				{ 2	200	175	10	6.2	100	100			
27S	264 130 000		2.5	21	250		5.2	0.9	100		0.9	UX5	T
27SU	320 080 210		13				120		REC		70mA	A08	R
27SV	230 080 310		13				180		REC		40mA	A08	R
28AK8	8†1 239 146		28	2	200		1.3	1.5	100		1.4	B9A	DDDT
28AX8	8†1 239 146		28	1	100		0.8	1.4	100		1.4	B9A	DDDT
28D7	245 671 430		28	3.5	30	30	12.5	3.4	No Data Available			B8B	PP
28Z5	208 009 130		28				60		REC		20mA	B8B	RR
29	264 413 000		2.5	3	200		4.5	1.4	100		1.4	UX6	T
29C1	220 283 330		4						D			A08	D
29GK6	141 230 651		28.6	7.4	250	250	48	11.3	No Data Available			B9A	P
30	364 200 000		2	9	150		3	0.9	100		0.9	UX4	T
30A5	142 345 600		30	6.7	100	100	43	9.2	100	100		B7G	P
30AE3	*** 23* **8	C	30						D			B9A	D
30C1	645 237 114		9	{ 2	100		14	5	100	60	5.1	B9A	TP
				{ 2	200	200	10	6.6	100	150	6		
30C13	645 237 114		9	{ 2	100		14	5	100	60		B9A	TP
				{ 2	200	175	10	6.2	100	100			
30C15	157 236 414		9	{	150		6	5	100	60		B9A	TP
				{	200	125	7.6	8.5	100	100			
30C17	157 236 414		7.4	{	100		15	8.5	100	60	8	B9A	TP
				{	200	150	6.4		100	100			
30F5	141 230 651		7.5	1.8	200	200	10	8.8	100	100		B9A	P
30F27	141 230 651		3.7	1.2	200	150	13.5	15	No Data Available			B9A	P
30FL1	641 237 541		9.4	{ 7.9	200		10	3.6	100	60		B9A	TP
				{ 2.1	200	200	10	7.5	100	100			
30FL12	641 237 541		10	{ 4.9	150		10	3.7	100	60	3.7	B9A	TP
				{ 2.9	200	200	10	12.5	100	100			
30FL13	641 237 541		10	{	200		10	3.4	100	60	3.4	B9A	TH
				{	200	200	10	12.5	No Data Available				
30FL14	657 231 414		7.4	{ 3	100		14	5.5	100	60		B9A	TP
				{ 1.7	150	150	12	14.5	100	100			
30GP9	026 543 100		30	19	200	200	45	3.5	100	100		A08	P
30L1	147 234 116		7.5	3.4	150		26	6.6	100		6	B9A	TT
30L15	147 324 116		7	1.2	90		15	9	80		8	B9A	TT
30L17	146 234 117		7.2	6	75		15	16.5	No Data Available			B9A	TT
30P4	020 540 310	A1	25	21	200	200	100	11	No Data Available			A08	P
30P12	*41 23* 6*5		12	10.3	200	200	31	6.7	100	100		B9A	P
30P14	026 540 310		13	9.4	200	200	42	7.2	100	100		A08	P
30P16	041 230 605		16	14.2	200	200	45	8.2	100	100	7	B9A	P
30P18	041 23* 6*5		16	6	200	200	34	10	No Data Available			B9A	P
30P19	*2* 540 310	A1	25	15	400	175	100	15	No Data Available			A08	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
30PL1	641 237 154		13	{ 7.9	200		10	3.4	100	60		B9A	TP
				{ 9.6	200	200	28	6	100	100			
30PL12	414 237 516		16	{	100		3.5	2.5	100	60		B9A	TP
				{ 16	200	200	35	6.4	100	100			
30PL13	414 237 516		16	{ 7.9	200		10	3.4	100	60		B9A	TP
				{ 20	250	250	77	10	100	100			
30PL14	414 237 516		16	{ 7.7	200		10	3.4	100	60		B9A	TP
				{ 15	150	150	50	7.6	100	100			
30X	264 300 000		2	12.5	175		3.1	9.3	100		9	UX4	T
31	364 200 000		2	22.5	150		8	0.9	100		0.9	UX4	T
31A3	280 000 130		31				60		REC		20mA	B8A	R
31AV3	**1 23* **8		31				60		REC		40mA	B9A	R
31BX7	461 471 230		31.5	17	250		42	7.2	No Data Available			A08	TT
31Z	244 300 000	A1/A2	6	{ 100	400		75	2.8	No Data Available			UX4	TT
				{ 15	400		75						
32	365 200 000	G1	2	3	150	75	1.7	0.6	100	75	0.6	UX4	P
32A8	414 237 516		32	{ 1	100		1	1.9	100	60		B9A	TP
				{ 16	200	200	35	6.4	100	100	7		
32E	365 200 000	G1	2	3	150	75	1.7	0.6	100	75	0.6	UX4	P
32ET5	142 345 600		32	7.5	100	100	30	5.5	100	100		B7G	P
32L7	126 548 310		32.5	{			60		REC		20mA	A08	RP
				{ 5	90	90	38	6	80	75	6		
33	364 520 000		2	14	150	150	14.5	1.4	100	100	1.4	UX5	P
33/100A	020 440 310	A1.A2	6	14	300		10	3	No Data Available			A08	TT
33A/101K	641 227 413		6.3	2	250		1.2	1.6	100			B9A	TT
33A/138A	204 140 300	A1.A2	7	7	250		15	3	100		3	UX7	TT
33A/158M	216 447 130		6	5	200		20	2.8	200		2.8	B8B	TT
33B/152M	421 342 134	A1.A2	6	1	300		40	18.5	No Data Available			B9G	TT
34	204 140 300	A1/A2	6.3	36	300		80	4.4	No Data Available			UX7	TT
34	365 200 000	G1	2	3	150	75	2.8	0.6	100	75	0.6	UX4	P
34E	365 200 000	G1	2	3	150	75	2.8	0.6	100	75	0.6	UX4	P
34GD5	142 315 600		34	7.5	100	100	35	5.7	100	100		B7G	P
35	265 130 000	G1	2.5	3	250	90	6.5	1	100	75	1	UX5	P
35A3	002 380 100		35				60		REC		20mA	B7G	R
35A5	265 004 130		35	8	200	100	41	5.9	100	90	5.9	B8B	P
35B5	412 365 400		35	7.5	150	100	40	5.8	100	90	5.8	B7G	P
35C3	002 380 100		35				60		REC		20mA	B7G	R
35C5	142 345 600		35	7.5	150	100	40	5.8	100	90	5.8	B7G	P
35CD6	021 040 350	A1	35	30	200	175	75	7.7	100	100		A08	P
35D5	401 236 050		35	10.5	200	175	52	9.5	100	100		B9A	P
35DZ8	414 237 516		35	{	150		0.8	1.4	100	60		B9A	TP
				{ 62	150	125	45	7.5	100	100			
35EH5	142 345 600		35		100	100	3.2	12	No Data Available			B7G	P
35F4	412 365 400		35	7.5	100	100	41	5.8	100	100	6	B7G	P
35F6	041 230 665		35	23	250	200	55	5	100	100		B9A	P
35FN5	521 441 350	A1	35	22.5	200	150	100	10	No Data Available			B8A	P
35GD5A	142 345 600		34	7.5	100	100	45	7.5	100	100		B7G	P
35GL6	142 253 600		35	7.5	100	100	45	7.5	100	100		B7G	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
35HB8	416 235 714		35		100		2.5	3.9	100	60		B9A	TF
35L6	026 540 310		35		100	100	32	6.2	100	100			
35L31	412 365 400		35	7.5	200	100	40	5.8	100	90	5.8	A08	P
35QL6	451 236 154		35	13	200	200	55	8	100	100	8	B7G	P
35R1	002 382 100		35	11.5	200	200	52	9.5	100	100	8.3	B8A	P
							60		REC		30mA	B7G	R
35R2	002 380 100		35				60		REC		30mA	B7G	R
35RE	281 193 000		35				60		REC		20mA	UX6	RR
35S	265 120 000	G1	2.5	3	250	90	6.5	10.8	100	90	1.8	UX5	P
35W4	002 383 100		27.5				60		REC		70mA	B7G	R
35X4	002 380 100		35				60		REC		20mA	B7G	R
35Y4	280 200 130		27.5				60		REC		20mA	B8B	R
35Y5	280 200 130		27.5				60		REC		20mA	B8B	R
35Y31	002 380 100		35				120		REC		20mA	B7G	R
35Z3	280 000 130		35				120		REC		60mA	B8B	R
35Z3LT	280 000 130		35				120		REC		60mA	B8B	R
35Z4	020 080 310		35				120		REC		60mA	A08	R
35Z4GT	020 080 310		35				120		REC		60mA	A08	R
35Z5	022 080 310		27.5				60		REC		60mA	A08	RR
35Z6	028 190 310		35				60		REC		20mA	A08	RR
36	265 130 000	G1	6	3	250	90	3.2	1	100	90	1	UX5	P
36AM3	002 283 100		36				60		REC		15mA	B7G	R
37	264 130 000		6	18	250		7.5	1.1	100		1.1	UX5	T
38	265 130 000	G1	6	18	200	200	14	1	100	100	1	UX5	P
38A3	**1 23* **8		38				60		REC		20mA	B9A	R
38R3	001 230 008		38				180		REC		40mA	B9A	R
39	260 501 300	G1	6.3	3	250	90	5.8	1	100	90		B7G	P
39	265 130 000	G1	6	3	200	90	5.8	1	100	90	1	UX5	P
40	364 200 000		5	1.5	200		0.2	0.2	150		0.2	UX4	T
40FPA	045 231 600		40	25	150	150	36	2	100	100	4	B7	P
40SUA	802 310 000		40				60		REC		60mA	B5	R
40Z5	022 080 310		35				120		REC		30mA	A08	R
41	265 413 000		6	18	250	250	32	2.3	100	100	2.3	UX6	P
41E	265 413 000		6	18	250	250	32	2.3	100	100	2.3	UX6	P
41FP	642 310 000		6	18	250		19	2.8	100		2.8	B5	T
41M	026 540 310		6	18	250	250	32	2.3	100	150	2.3	A08	P
41MDG	652 310 000	G1	4	0	150	100		0.2	150	100	0.2	B5	P
41MH	642 310 000		4	1.5	200		3.2	3	100		4	B5	T
41MHP	642 310 000		4	2	150		2.5	2.8	125		2.8	B5	T
41MHL	642 310 000		4	3	200		4	3.1	100		4.5	B5	T
41MLF	642 310 000		4	4.5	200		7.5	1.9	125		1.9	B5	T
41MP	642 310 000		4	7.5	200		24	6.0	100		7.5	B5	T
41MPG	454 231 600	G1	4	1.5	250	100	3.3		100	100		B7	H
41MPT	041 231 500	A1	4	1.5	250	100	12	4.8	100	100	4.8	B7	P
41MRC	642 310 000		4	1	200		2.5	2.6	150		2.6	B5	T
41MSG	465 230 574		4	1.5	150	60	0.8	2.5	100	60	2.5	B9	PP
41MSG	542 310 000		4	1.5	150	60	0.8	2.5	100	60	2.5	B5	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
41MTA	642 310 000		4	1	100		4.9	4	100		4	B9	T
41MTB	642 310 000		4	1	100		3.6	2.6	100		2.6	B5	T
41MTL	642 310 000		4	2.5	200		5.9	3	100		3	B5	T
41MTS	645 231 700		4	1	250	100	5	1.6	100	100	1.6	B7	PP
41MXP	642 310 000		4	12.5	200		40	6	100		7.5	B5	T
41MVSG	542 310 000	A1	4	1.4	200	200	3	2	100	100	2	B5	P
41STH	645 231 700	G1	4	1.5	100		2		100	60	1.6	B7	TH
				1.5	200	60	1		100	60	2.5		
42	264 300 000		1.5	13.5	150		3.9	0.8	100			UX4	T
42	265 413 000		6	16.5	250	250	34	2.5	100	150	2.5	UX6	P
42E	265 413 000		6	16.5	250	250	34	2.5	100	150	2.5	UX6	P
42MP/FEN	045 231 600		4	5.5	250	250	32	6	100	150	7	B7	P
42MPT	041 231 500	A1	4(5)	3	200	200	34	8.5	100	150	8	B7	P
42/OT	045 231 600		4	5.5	250	275	34	7	100	150	7	B7	P
42OTDD	968 231 500	G1	4	5.5	250	250	34	7	100	150	7	B7	DDP
42PTB	061 231 500	G1	4	3	200	200	34	8.5	100	150	8	B7	P
42SPT	041 231 500	A1	4	10.5	250	250	64	11	100	150	10	B7	P
43	265 413 000		25	18	150	125	33	2.3	100	100	2.3	UX6	P
43E	265 413 000		25	18	150	125	33	2.3	100	100	2.3	UX6	P
43MG	026 540 310		25	18	250	125	33	2.3	100	100	2.3	A08	P
43IU	892 300 000		4				60		REC		20mA	B4	RR
44	265 130 000	G1	6	3	200	90	5.8	1	100	90	1	UX5	P
44A/160M	241 657 143		6	14	250	250	30	3.9	100	100	3	B9G	PP
44GW8	415 237 146		44	1.7	250		1.2	1.6	100	60	1.4	B9A	TP
				7	250	250	36	10	100	100			
44IU	892 300 000		4				60		REC		50mA	B4	RR
44SU	802 300 000		4				30		REC		15mA	B4	R
45	264 300 000		2.5	50	250		34	2.1	100		2.1	UX4	T
45A	264 300 000		2.5	68	325		43	2.3	100		2.3	UX4	T
45A5	26* *54 130		45	9	200	200	54	9.5	100	100	7	B8A	P
45B5	041 23* 6*5		45	12.5	200	200	70	10	100	100		B9A	P
45BQ5	041 23* 6*5		45	12.5	300	175	70	10	100	100		B9A	P
45DQ8	461 237 145		45	1.7	200		3	4	100	60	4	B9A	TP
				12.5	200	175	70	10	100	100			
45DX8	461 237 145		45	1.7	200		3	4	100	60		B9A	TP
				2.1	200	175	18		100	100			
45IU	892 300 000		4				120		REC		30mA	B4	RR
45LIU	206 540 130		45	13	200	200	45	7.5	100	100	7	A08	P
45Z3	28* 108 300		45				60		REC		70mA	B7G	R
45Z5	022 080 310		37.5				60		REC		20mA	A08	R
46	264 630 000		2.5	33	250		22	2.3	100		2.3	UX5	T
47	264 530 000		2.5	16.5	250	250	31	2.5	100	150	3.8	UX5	P
48	265 413 000		30	10	100	100	52	3.8	100	90	3.8	UX6	P
48A8	414 237 516		48	11.5	150	150	41	7.5	100	100	2.5	B9A	TP
							3.5	2.5	100	60			
49	264 630 000		2	20	150		6	1.1	100		1.1	UX5	T
49	265 413 000		6.3	50	400	250	95		No Data Available			UX6	P
50	264 300 000		7.5	70	400		55	2.1	100		2.1	UX4	T

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
50A5	265 004 130		50	7.5	150	100	49	8	100	90	7	B8B	P
50AX6	028 190 310		50				120		REC		30mA	A08	RR
50B5	412 365 400		50	7.5	150	100	49	7.5	100	90	6	B7G	P
50BC1D	206 089 030	G1	1.4	0.5	90		1.4	0.8	80			A08	DDT
50BK5	604 231 450		50	5	250	250	35	8.5	100	150		B9A	P
50BM8	414 237 516		50	10	100		3.5	2.5	100	60		B9A	TP
					150	150	41	7.5	100	100			
50C5	142 345 600		50	7.5	150	100	49	7.5	100	90	6	B7G	P
50C6	026 540 310		50	13.5	150	150	58	7	100	100	7	A08	P
50CID	206 089 030	G1	1.4	1.5	100		1.5	0.9	100		0.9	A08	DDT
50CA5	142 345 600		50	4.5	150	125	37	9.2	No Data Available			B7G	P
50CD6	021 040 350	A1	50	30	200	200	75	7.5	100	100	7	A08	P
50DC4	002 363 100		25				60		REC		20mA	B7G	R
50EH5	142 345 600		50	3.2	100	125	42	14.6	No Data Available			B7G	P
50F2	412 365 400		50	7.5	100	100	50	7.5	100	100		B7G	P
50F2D	206 501 030	G1	1.4	1.5	100	125	1.4	1	100	100	1	A08	P
50FA5	142 345 600		50	7.5	100	100	40	5.8	100	100		B7G	P
50FE5	026 540 310		50	16	150	150	80	9.5	100	100		A08	P
50FK5	142 345 600		50		100	100	32	12.8	No Data Available			B7G	P
50FY8	414 237 516		50	1.5	150		2.5	2	100	60		B9A	TP
					150	125	50		100	100			
50LID	206 540 030		1.4	4.5	100	125	4.8	1	100	100	1	A08	P
50L6	026 540 310		50	8.2	200	125	46	9.5	100	75	8	A08	P
50R4	080 230 901		50				60		REC		40mA	B9A	RR
50RP1	141 236 518		50	1			60		REC		60mA	B9A	RP
					200	100	9	4.5	100	100	4		
50X6	219 008 130		50				60		REC		20mA	B8D	RR
50YIU	388 208 120		45				120		REC		30mA	A08	R
50Y6	029 180 310		50				60		REC		20mA	A08	RR
50Y7	028 193 310		46				60		REC		20mA	A08	RR
50Z6	029 180 310		50				120		REC		30mA	A08	RR
50Z7	029 183 310		48				60		REC		20mA	A08	RR
51	265 130 000	G1	2.5	3	250	90	6.5	10.5	175	90	10	UX5	P
52	264 530 000		6	1	250	100	41	2	125	100	2	UX5	P
52KU	030 908 020		5				60		REC		30mA	A08	RR
53	274 146 300		2.5	5	250		3	1.6	100		3.1	UX7	TT
53KU	030 908 020		5				120		REC		40mA	A08	RR
54KU	030 908 020		5				120		REC		60mA	A08	RR
55	269 813 000	G1	2.5	20	250		8	1.1	100		1.1	UX6	DDT
55A/165M	245 761 430		12	15	150	150	60	4	100	100		B8G	PP
55N3	**1 23* **8		55				120		REC		30mA	B9A	R
56	264 130 000		2.5	12.5	250		5	1.4	100		1.4	UX5	T
56AS	264 130 000		6	13.5	250		5	1.4	100		1.4	UX5	T
57	265 113 000	G1	2.5	3	250	100	2	1.2	100	100	1.2	UX6	P
57AS	265 113 000	G1	6	3	250	100	2	0.2	100	100	1.2	UX6	P
58	265 113 000	G1	2.5	3	250	100	8	1.5	100	100	1.5	UX6	P
58AS	265113 000	G1	6	3	250	100	8	1.5	100	100	1.5	UX6	P
58TF1	417 23† 564		58	2	200		4	1.5	100	60	1.5	B9A	TPP
					31	250	250	38	2.5	100	100		



VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
59	265 411 300		2.5	18	250	250	35	2.5	100	150	2.5	UX7	P
59B	265 410 300		2.5	26	250	250	26	6	100	150	6	UX7	P
60	200 300 000	D1/D2	5				120		REC		30mA	UX4	RR
60/250	892 300 000		4				30		REC		15mA	B4	RR
60E3	002 380 100		60				60		REC		20mA	B7G	R
60FX5	142 345 600		60	62	100	100	36	13.5	No Data Available			B7G	P
61BT	020 540 310	A1	6	20	200	200	40	4	100	100	4	A08	P
61SPT	520 604 310		6	10.5	250	250	64	11	100	150	10	A08	P
62DDT	264 098 130		6	3	250		1	1.3	150		1.3	B8A	DDT
62TH	276 454 130		6	{ 2	100		5	2.2	100	60	2.6	B8A	TH
				2	150	100	8	2	100	100	3.5		
62VP	261 154 130		6	2.5	250	100	6	2.2	100	100	2	B8A	P
63SPT	256 101 403		6	2	250	250	10	6.5	100	150	6	B9G	P
63T1	641 237 154		6	{ 2.3	100		4	1.4	100	60	1.4	B9A	TP
				8	200	200	17.5	3.3	100	150	3		
63TP	641 237 154		6.3	{ 2.3	100		4	1.9	100	60	1.4	B9A	TP
				8	200	200	17	3.3	100	150	3		
64	260 101 300	G1	6.3	3	200	90	3.1	1	100	100		B7G	P
64	265 130 000	G1	6	3	200	90	3.1	1.05	100	90	1.05	UX5	P
64A	260 101 300	G1	6.3	3	200	90	3.1	1	100	100		B7G	P
65	265 130 000	G1	6	3	200	90	4.5	1	100	90	1	UX5	P
66KU	280 009 130		6				30		REC		15mA	B8A	RR
67	264 130 000		6	9	150		5	1.1	100		1.1	UX5	T
67PT	261 054 130		6	7	250	250	36	10	100	150	9	B8A	P
68	265 130 000	G1	6	13.5	150	90	14	1.4	100	75	1.4	UX5	P
68A	265 130 000	G1	6	13.5	150	125	14	1.4	100	100		UX5	P
69	264 413 000		6	3	200		4.5	1.4	150		1.5	UX6	T
70	264 413 000		6	6	200		2.3	0.5	150		0.5	UX6	T
70A7	126 548 310		70				60		REC		15mA	A08	RP
				7.5	150	100	40	5.8	100	90	5.8		
70L7	126 541 380		70	{ 7.5	125	100	40	7.5	100	90	6.5	A08	RP
				40	200		20	1.7	100		1.7		
71	264 300 000		5	16.5	90		10	1.4	80		1.4	UX4	T
71A	264 300 000		5	40	200		20	1.7	100		1.7	UX4	T
71B	264 300 000		5										
75	020 000 300	A1/G1	6	60	400		82		No Data Available			A08	T
75	269 813 000	G1	6	2	250		0.9	1.1	150		1.1	UX6	DDT
76	264 130 000		6	13.5	250		5	1.4	100		1.4	UX5	T
77	265 113 000	G1	6	3	250	100	2.3	1.25	100	100	1.2	UX6	P
77E	265 113 000	G1	6	3	250	100	2.3	1.25	100	100	1.2	UX6	P
78	265 113 000	G1	6	3	250	125	10.5	1.65	100	100	1.6	UX6	P
78E	265 113 000	G1	6	3	200	75	4	1.1	100	75	1.1	UX6	P
79	264 173 000		6.3		250		10.6		100			UX6	TT
80	298 300 000		5				60		REC		20mA	UX4	RR
80A	298 300 000		5				60		REC		20mA	UX4	RR
80HK	380 200 000		5				60		REC		15mA	UX4	R
80M	289 300 000		5				60		REC		20mA	UX4	RR
80S	289 300 000		5				60		REC		20mA	UX4	RR

VALVE	SELECTOR SWITCH No.	T.C.	V <sub>f</sub>	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	I <sub>a</sub> mA	mA/V	Anode Volts	Screen Volts	mA/V		
81	280 300 000		7.5				60		REC		20mA	UX4	R
81M	280 300 000		7.5				60		REC		20mA	UX4	R
82	289 300 000		2.5				60		REC		20mA	UX4	RR
82V	289 300 000		2.5				60		REC		20mA	UX4	RR
83	289 300 000		5				120		REC		20mA	UX4	RR
83V	289 300 000		5				60		REC		60mA	UX4	RR
84	289 130 000		6				30		REC		30mA	UX5	RR
85	269 813 000	G1	6	20	250		8	1.1	100		1.1	UX6	DDT
85AS	268 913 000	G1	6	20	250		8	1.1	100		1.1	UX6	DDT
85S	268 913 000	G1	6	10.5	250		3.7	0.7	125		1.1	UX6	DDT
88	289 300 000		5				60		REC		20mA	UX4	RR
89	265 113 000	G1	6	10	100	100	9.5	1.2	100	90	1.2	UX6	P
90	264 413 000		2.5		150		3.5	1.4	150		1.4	UX6	T
90AC	642 310 000		4	12.5	200		40	7.5	100		7	B5	T
92	264 413 000		6		250		3.5	1.4	100		1.4	UX6	T
95	265 413 000		2.5	20	350	300	42	2.3	100	150	2.3	UX6	P
96	281 300 000		10				120		REC		30mA	UX4	R
98	289 130 000		6				30		REC		15mA	UX5	RR
99V	426 300 000		3.3	4.4	90		2.5	0.4	100		0.4	UX4	T
99X	264 300 000		3.3	4.5	90		2.5	0.4	100		0.4	UX4	T
100AC	642 310 000		4	6	200		5	2	100		2	B5	T
104V	642 310 000		4	1	100		15	3.5	100		3.5	B5	T
100/200LLID	346 547 220		1.4	9.4	150	125	4		100	100		A08	P
112A	364 200 000		5	4.5	90		5	1.5	80		1.5	UX4	T
114	020 000 300	A1G1	1.4		200		15		100			A08	T
114B	020 000 300	A1G1	1.4	4	200		12	1.1	100		1.1	A08	T
116/Pen	005 231 600	G1	11.5	1	100	100		7	100	100	6	B7	P
117DDP	541 236 891		17	2	250	150	5	2.2	100	100	2	B9A	DDP
117L7	126 458 310		117				60		REC		20mA		
				5.2	100	100	43	5.3	100	90	5.3	A08	RP
117M7	126 458 310		117				60		REC		20mA		
				5.2	100	100	43	5.3	100	90	5.3	A08	RP
117Z3	*02 381 000		117				60		REC		20mA	B7G	R
117Z4	020 080 310		117				60		REC		20mA	A08	R
117Z6	029 180 310		117				60		REC		20mA	A08	RR
120	642 310 000		2	12	150		12		100			B5	T
120VPA	041 230 500	A1	2	1	150	60	2.9	1.1	150	60	1.1	B7	P
121VP	26* *54 130		12.5		200	150	7.2	2.3	100	150	2.3	B8A	P
124AC	542 310 000	A1	4	1.4	200	60	1.6	0.9	100	60	0.9	B5	P
141DDT	264 089 130		14	1.5	200		1.5	1.6	100		1.5	B8A	DDT
141TH	276 454 130		14		100		5	2	100	60	2.8		
				2	250	100	8	2.2	100	75	1.5	B8A	TH
142BT	026 540 130		14	8.5	200	200	29	3.7	100	100	3.7	A08	P
144V	642 310 000		4	8	200		6	1.4	100		1.4	B5	T
154V	642 310 000		4	6	200		9	2	100		2	B5	T
163Pen	041 23* 6*5		16	10.4	200	175	53	9.5	No Data Available			B9A	P
164V	642 310 000		4	9	200		12	3.4	100		3.4	B5	T

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
171DDP	541 236 891		17	2	200	125	5	2.2	100	100	2	B9A	DDP
181	264 300 000		3	30	200		16	1	100		1	UX4	T
182	264 300 000		5	45	200		18	1.5	100		1.5	UX4	T
182A	264 300 000		5	45	200		18	1.5	100		1.5	UX4	T
182B	264 300 000		5	35	250		18	1.5	100		1.5	UX4	T
183	264 300 000		5	60	250		30	1.7	100		1.7	UX4	T
185BT	020 540 310	A1	18	18	200	200	100	9.5	100	100	8	A08	P
185BTA	020 540 310	A1	18	18	200	200	100	9.5	100	100	8	A08	P
200A	264 300 000		5		60		1.5	0.7	No Data Available			UX4	T
202DDT	809 231 600	G1	20	3	200		3	2.4	150		2.4	B7	DDT
202MPG	545 231 600	G1	20	1.5	200	100	3		100	100		B7	H
202SPB	061 231 500	G1	20	1.5	250	100	4.8	2.8	100	100	2.8	B7	P
202STH	645 231 700	G1	20	1.5	100		2		100	60		B7	TH
202VP	041 231 500	A1	20	1.5	250	100	4.3	2.2	100	100	2.2	B7	P
202VPB	061 231 500	G1	20	1.5	250	100	4.3	2.2	100	100	2.2	B7	P
203THA	545 231 600	G1	20	2	250	100	3.5		100	100		B7	H
205D	264 300 000		3.5	29	400		30		100		1.8	UX4	T
205E	264 300 000		4.5	22.5	350		29	1.9	100			UX4	T
205F	264 300 000		4.5	18	300		31	1.7	100			UX4	T
210DDT	682 390 000	G1	2	1	100		2.3	1.1	100		1.1	B5	DDT
210DET	642 300 000		2	4.5	150		3	1.1	100		1.1	B4	T
210DPT	041 230 500	A1	2	1	150	60	2.9	1.3	150	60	1.3	B7	P
210HF	642 300 000		2	3	150		1.6	1.5	100		1.5	B4	T
210HL	642 300 000		2	3	150		1.6	1.1	100		1.1	B4	T
210HPT	642 350 000		2	4.5	150	175	7.5	2.5	100	100	2.5	B5	P
210LF	642 300 000		2	4.5	150		4.8	1.4	100		1.4	B4	T
210PG	645 230 700	G1	2		150		1.1		150	60	0.4	B7	H
210PGA	645 230 700	G1	2		150	40	0.4		150	75	1.5	B7	H
210RC	642 300 000		2	1.5	150	40	0.4	0.8	150	75	1.5	B7	H
210SPG	645 230 700	G1	2		150	40	0.4	0.8	150	75	1.5	B7	H
210SPT	041 230 500	A1	2	1	150	60	1.9	1.1	100	60	1.2	B7	P
210T	264 300 000		7.5	32	350		16	1.5	100		1.5	UX4	T
210VPA	041 230 500	A1	2	1	150	60	2.9	1.1	150	60	1.1	B7	P
210VPT	041 231 500	A1	2	1	150	60	1.9	1.1	150	60	1.1	B7	P
213	289 300 000		5				30		REC		15mA	UX4	RR
213Pen	*41 23* *51	A1	21	22	200	200	45	6.2	100	100	6	B9A	P
215P	642 300 000		2	7.5	150		10	2.2	100		2.2	B4	T
215SG	542 300 000	A1	2	1	150	60	1.4	1.1	150	60	1.1	B4	P
217A	228 300 000		10				120		REC		30mA	UX4	R
220	200 300 000		2.5				15		REC		15mA	UX4	R
220B	446 230 700		2	3	150		5.0	1.5	100		1.5	B7	TT
220DD	892 310 000		2						D			B5	DD
220HPT	642 350 000		2	4.5	150	150	8	2.5	100	100	2.5	B5	P
220IPT	040 230 500	A1	2	1.5	150	60	2.2	1	100	60	1	B7	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
2200T	642 350 000		2	4.5	150	150	9.5	2.5	100	100	2.5	B5	P
220P	642 300 000		2	7.5	150		11	2.2	100		2.2	B4	T
220PA	642 300 000		2	4.5	150		10	4	100		4	B4	T
220PT	642 350 000		2	9	150	150	19	2.5	100	100	2.5	B5	P
220SG	542 300 000	A1	2	1	150	60	1.5	1.6	100	60	1.6	B4	P
220TH	645 230 700	G1	2	3	100		1.7	1.2	100	60	1.2	B7	TH
					150	60	0.6	0.6	125	60	0.6		
220VS	542 300 000	A1	2	1	100	60	2	1.6	100	60	1.6	B4	P
220VSG	542 300 000	A1	2	1.5	150	60	2.6	1.5	100	60	1.6	B4	P
225DU	082 323 900		2				15		REC		10mA	B7	RR
230	642 300 000		2	20	150		18	3	100		3	B4	T
230	200 300 000	D1	5				30		REC		14mA	UX4	R
230PT	642 350 000		2	15	150	150	14	2	100	100	2	B5	P
230XP	642 300 000		2	18	150		22	3	100		2	B4	T
231D	264 300 000		3	3	90		2.1	8.4	100		0.5	UX4	T
240B	446 230 700		2	1	150		8.5		100			B7	TT
240QP	446 235 700		2	12	150	150	6		100	100	2.5	B7	PP
244	264 130 000		2	6	150		5.5	1	100		1	UX5	T
244V	642 310 000		4	5.5	200		5.5	2.8	100		2.8	B5	T
245A	265 130 000	G1	2	1.5	150	50	4.8	0.6	100	60		UX5	P
246A	365 200 000	G1	3.3	1.5	150	40	1.5	0.4	No Data	available		UX4	P
247A	206 040 030		2	4.5	150		3.2	0.9	100		0.9	A08	T
248A	026 510 310	G1	6.3		150	125	5.5	1.8	100	100		A08	P
249B	223 300 000	D1	2.5				120		REC		30mA	UX4	R
252A	264 300 000		5	50	400		60	3.4	100		3.4	UX4	T
255	268 943 000		2	3	150		0.8	0.6	100		0.5	UX6	DDT
257	264 530 000		5	21.5	100	100	20	1.3	100	90	1.3	UX5	P
257A	260 300 000	G1	3.1	3	90		2.1	0.5	80		0.5	UX4	T
259A	265 130 000	G1	2	1.5	200	75	5.5	1.4	100	75	1.4	UX5	P
259B	265 130 000	G1	2	1.2	200	75	5.5	1.4	100	75	1.4	UX5	P
262B	261 300 000	G1	10	4.5	150		2.8	0.9	100		0.9	UX4	T
264	264 300 000		1.1	9	150		2.5	0.6	100		0.6	UX4	T
264C	264 300 000		1.5	8	100		2.1	0.6	100		0.6	UX4	T
264E	264 300 000		1.4	8	100		2.1	0.6	100		0.6	UX4	T
271A	264 130 000		5	30	400		37.5	2.9	100			UX5	T
272A	264 130 000		10	15	150		5.4	0.7	100		0.7	UX5	T
274A	289 300 000		5				60		REC		20mA	UX4	RR
274B	289 300 000		5				60		REC		20mA	UX4	RR
275A	264 300 000		5	4.5	200		47	2.7	100		2.7	UX4	T
281A	264 530 000		5	60	150	75	35	1.5	No Data	Available		UX5	P
283A	265 130 000	G1	2	1.5	200	75	5.9	1.3	100	75	1.3	UX5	P
285	265 130 000	G1	2	12	200	150	8.8	0.9	100	100	0.9	UX5	P
286A	265 113 000	G1	2	1.5	200	75	6.2	1.2	100	75	1.2	UX6	P
290A	265 113 000	G1	10	1.5	200	75	5.4	1.2	150		1.2	UX6	P
291A	275 641 300	G1	10	3	200		4.5		100	60		B7	H
					7.5	200	75	3.1		100	75		
292A	268 913 000	G1	10	6	150		2.1	0.6	100		0.6	UX6	DDT
293A	265 413 000		10	18	200	200	14.5	1	100	100	1	UX6	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE	
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V			
300A	364 200 000		5	97	400		80			No Data Available			UX4	T
300B	364 200 000		5	97	400		80			No Data Available			UX4	T
302	645 231 700	G1	30	2	100		1.5			100	60		B7	TH
303A	268 943 000		2		250	100	3.5			250	100			
304AC	542 310 000	A1	4	2	150		2	0.6	100		0.6		UX6	DDT
					200	100	3	1.9	100	100	1.9		B5	P
309A	265 413 000		10	1.5	200	75	4.8	1.1	100	60	1.1		UX6	P
310A	265 113 000	G1	10	3	150	150	5.5	1.8	100	100	1.8		UX6	P
310B	265 113 000	G1	10	3	150	150	5.5	1.8	100	100	1.8		UX6	P
311A	265 130 000	G1	10	15	150	150	30	2.8	100	100	2.8		UX5	P
311SU	28* *** 130		31				60		REC		20mA		B8A	R
324A	200 300 000	D1	5				5		D				UX4	R
328A	265 113 000	G1	7.5	3	150	150	5.5	1.8	100	100	1.8		UX6	P
329A	265 130 000	G1	7.5	15	150	150	37.5	3.3	100	100	3		UX5	RR
329L	265 130 000	G1	7.5	15	150	150	37	3.3	100	100	3		UX5	P
332Pen	026 540 310		33	8.5	200	200	45	8	100	100	7		A08	P
336A	265 413 000		10	14	250	250	30	4.2	100	100			UX6	P
337A	265 113 000	G1	10	3	150	150	6.3	1.6	100	100	1.6		UX6	P
345A	289 130 000		6				60		REC		20mA		UX5	RR
347A	020 600 310	G1	6	4,5	150		2.8	0.9	100		0.9		A08	T
349A	026 540 310		6	14	250	250	30	4.2	100	150	4.2		A08	P
350B	026 540 310		6	20	400	250	85	6.2	No Data Available			A08	P	
351A	028 090 310		1				120		REC		20mA		A08	RR
352A	268 913 000	G1	10	6	100		2.1	0.6	100		0.6		UX6	DDT
354V	642 310 000		4	4.5	250		6.5	3.6	100		3		B5	T
361A	243 560 000		1.4		50	40	0.4	0.6	No Data Available			UX5	P	
362A	243 560 000		1.4		50	50	1.3	0.5	No Data Available			UX5	P	
367A	060 524 310		6	20	400	250	85	6.2	No Data Available			A08	P	
373A	021 455 360		2		150	150	2	1.3	100		1.3		A08	P
374A	021 405 360		3		150	125	18	3	125		3		A08	P
375A	026 540 310		20		40	40	12	4.7	No Data Available			A08	P	
381A	120 080 300		6.3				5		D				A08	D
383A	120 406 030		6		150		7.5	2.8	100		2.8		A08	T
385A	125 040 130		6		150		7.5	2.5	100		2.5		A08	P
387A	125 040 130		6		150		5.6	4	100		3.8		A08	P
396A	214 607 413		6.3	2.2	150		8.2	5.5	100		6		B9A	TT
401A	265 300 000		5	9	50		1.5	0.8	No Data Available			UX4	T	
402	264 300 000		3	40	200		40	1	100		1		UX4	T
402-OT	005 231 600	G1	40	12	250	250	32	7	100	150	7		B7	P
402P	000 231 600	G1	4	15	200		27	5.5	100		7.5		B7	T
402Pen	005 231 600	G1	40	6.7	200	200	40	7	100	100	7		B7	P
402PenA	005 231 600	G1	40	9	150	150	56	8	100	100	8		B7	P
403A	413 265 100		6	2.3	150	150	7	4.4	100	100	4		B7G	P
403B	412 365 100		6.3		200	125	7.7	5.1	100	100			B7G	P
404A	402 106 053		6.3		150	150	13.5	12.5	100	100			B9A	P
405BU	892 300 000		4				15		REC		10mA		B4	RR

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
406	642 300 000		4		150		5.5	0.5	100		0.5	B4	T
407A	214 637 412		20	2	150		8.2	5.5	100		5.5	B9A	TT
408A	412 365 100		20	2	150	125	7.5	5	100	125	5	B7G	P
408BU	892 300 000		4				15		REC		10mA	B4	RR
409A	410 065 100		6.3		150	125	5.2	3.2	100	100		B7G	P
410HF	642 300 000		4	2.5	200		0.2	0.2	100		0.2	B4	T
410P	642 300 000		4	16	250		12	1.8	100		1.8	B4	T
410PT	462 350 000		4	1	100	150		2.5	100	150	2.5	B5	P
410RC	642 300 000		4	2.5	200		0.2	0.2	100		0.2	B4	T
410SG	542 300 000	A1	4	1	200	100	4.5	0.9	100	100	0.9	B4	P
412BU	892 300 000		4				30		REC		17mA	B4	RR
412SU	802 300 000		4				60		REC		22mA	B4	R
415PT	642 350 000		4	25	300	200	20	1.7	100	150	1.7	B5	P
415QT	642 350 000		4	25	300	200	20	1.8	100	150	1.8	B5	P
415SP	642 300 000		4	18	150		11	1.6	100		1.6	B4	T
417A	602 441 443		6.3	1.5	150		25	25	No Data Available			B9A	T
420T	045 231 600		4	4.4	250	250	40	10.5	100	150	9	B7	P
425PT	642 350 000		4	17	250	150	12	1.3	100	100	1.3	B5	P
431U	892 300 000		4				60		REC		15mA	B4	RR
435A	402 106 053		6	10	200	150	13	16.3	No Data Available			B9A	P
436A	211 403 506		6.3	1.4	200	150	23	32	No Data Available			B9A	P
437A	304 002 116		6	10	150		40		No Data Available			B9A	T
441U	892 300 000		4				60		REC		20mA	B4	RR
442BU	892 300 000		4				60		REC		20mA	B4	RR
446A/B	021 000 310	A1/G1	6	3	250		15	4.5	100			A08	T
450	642 300 000		4	55	250		50	3.5	100		3.5	B4	T
450	264 300 000		7.5		400		55	2.1	100		2.0	UX4	T
450AC	542 310 000	A1	4		200	100	3.5	3	100	100	3	B5	P
451	892 300 000		1.8						REC			B4	RR
451PT	26* *54 130		45	9	200	200	54.5	9.5	100	100	7	B8A	P
451U	823 900 000		4				120		REC		30mA	B4	RR
460BU	892 300 000		4				60		REC		20mA	B4	RR
482A	264 300 000		5	45	200		18	1.5	100		1.5	UX4	T
482B	264 300 000		5	35	250		18	1.5	100		1.5	UX4	T
483	264 300 000		5	60	250		30	1.7	100		1.7	UX4	T
484V	642 310 000		4	2.5	200		0.2	1.2	100		1.2	B5	T
485	264 130 000		3	9	200		5.8	1.4	100		1.4	UX5	T
486	026 040 300		3	3	90		3	0.6	80		0.6	A08	T
500	892 300 000		4				30		REC		15mA	B4	RR
501	653 420 000		1.4	0	40	40	1	0.8	No Data Available			B5A	P
501AX	653 420 000		1.4	0	40	40	1	0.8	No Data Available			B5A	P
502AX	653 420 000		1.2	1.2	40	40	8.6	0.5	No Data Available			B5A	P
503AX	653 420 000		1.2	2	40	40	0.8	0.5	No Data Available			B5A	P
505AX	653 420 000		0.6	0	40	30	0.1	0.1	No Data Available			B5A	P
506	892 300 000		4				30		REC		15mA	B4	RR
506AX	653 420 000		1.2	4.5	40	40	1.2	0.5	No Data Available			B5A	P
506BU	892 300 000		4				30		REC		15mA	B4	RR

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
506K	892 300 000		2				30		REC	15mA	B4	RR	
506KB	892 300 000		4				30		REC	15mA	B4	RR	
507AX	265 436 200		2		40	40	0.9	0.5	No Data Available		B7G	P	
509	892 300 000		2				60		REC	20mA	B4	RR	
509AX	634 200 000		0.6		40		0.1	0.1	No Data Available		B5A	T	
511D	892 300 000		4				60		REC	20mA	B4	RR	
512AX	653 420 000		0.6	0.6	20	20	0.1	0.1	No Data Available		B5A	P	
515BX	634 200 000		0.6		40		0.1	0.1	No Data Available		B5A	T	
518AX	653 420 000		1.2	2	40	40	0.8	0.5	No Data Available		B5A	P	
520AX	653 420 000		0.6	2.5	40	40	0.2	0.1	No Data Available		B5A	P	
521AX	653 420 000		1.2	3	20	20	0.8	0.4	No Data Available		B5A	P	
522AX	653 420 000		1.2	0	20	20	0.3	0.4	No Data Available		B5A	P	
523AX	653 420 000		1.2	1.2	20	20	0.3	0.3	No Data Available		B5A	P	
524AX	653 420 000		1.2	1.7	12	12	0.4	0.3	No Data Available		B5A	P	
525AX	653 420 000		1.2	1.2	20	20	0.2	0.3	No Data Available		B5A	P	
526AX	653 420 000		1.2	1.5	20	20	0.4	0.4	No Data Available		B5A	P	
527AX	653 420 000		1.2	0	20	20	0.1	0.2	No Data Available		B5A	P	
528AX	653 420 000		1.2	0	20	20	0.3	0.4	No Data Available		B5A	P	
529AX	653 420 000		1.2	1.2	12	12	0.3	0.3	No Data Available		B5A	P	
531DX	653 420 000		1.2	1.5	12	12	0.3	0.3	No Data Available		B5A	P	
532DX	653 420 000		1.2	0	20	20	0.4	0.4	No Data Available		B5A	P	
533DX	653 420 000		1.2	0	20	20	0.3	0.4	No Data Available		B5A	P	
536AX	653 420 000		1.2	0	20	20	0.3	0.4	No Data Available		B5A	P	
537AX	653 420 000		1.2	1.5	20	20	0.4	0.4	No Data Available		B5A	P	
538A	741 226 413		6	2	250		10	5.5	200	5	B9A	TT	
539DX	653 420 000		1.2	1.4	20	20	0.2	0.3	No Data Available		B5A	P	
541DX	653 420 000		1.2	0	30	30	0.2	0.4	No Data Available		B5A	P	
542A	602 304 100		6	2	250		10	5.5	200	5.5	B7G	T	
542DX	653 420 000		1.2	2	20	20	0.4	0.3	No Data Available		B5A	P	
542 DXS	653 420 000		1.2	2	20	20	0.4	0.3	No Data Available		B5A	P	
543A	402 013 060		6	2.5	200		9.5	3.8	100	3	B8D	T	
543B	402 013 060		6	2.5	200		9.5	3.8	100	3	B8D	T	
544A	602 364 100		6	8.5	250		10.5	2.2	100	3	B7G	T	
544DX	653 420 000		1.2	0	30	30	0.1	0.3	No Data Available		B5A	P	
546A	802 309 100		6				30		REC	15mA	B7G	RR	
546DX	653 420 000		1.2	0	20	20	0.3	0.4	No Data Available		B5A	P	
547A	120 415 360		6	3	300	150	30	11	100	100 10	A08	P	
547DX	653 420 000		1.2	0	40	30	0.2	0.4	No Data Available		B5A	P	
548A	762 344 100		6	0.8	100		8.5	5.3	100	5.3	B7G	TT	
548DX	653 420 000		1.2		1.4	150		5	4.5	100			5.3
549A	192 310 800		6						D		B7G	DD	
550A	471 461 230		6	2	250		2.3	1.6	150	1.6	A08	TT	
553AXA	652 430 000		1.2	0	20	20	0.4	0.5	No Data Available		B5A	P	
559	021 010 030	D1					5		D		A08	R	
569AX	652 430 000		1.2		60	60	1.8	1.1	No Data Available		B5A	P	
573AX	624 300 000		1.2	4	90		11	2	80	2	B5A	T	

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
574AX	653 420 000		0.6	0.6	20	20	0.1	0.1	No Data Available			B5A	P
578	8*1 239 146		4.7	3	250		1	1.2	100		1.3	B9A	DDDT
605	642 300 000		4	6	150		10	1.4	100		1.4	B4	T
608CX	623 410 000		6.3	2	150		9	5	100		5	B5A	T
612BU	892 300 000		6				30		REC		15mA	B4	RR
615	642 300 000		4	41	150		4	1.4	100		1.4	B4	T
619CX	623 410 000		6.3	2	250		4	4	100			B5A	T
620T	642 300 000		6	99	400		62	2.3	100		2.3	B4	T
635GTX	026 040 310		6	20	350		20		100			A08	T
660	642 300 000		6	100	400		120	2.3	100		2.3	B4	T
660T	642 300 000		6	1	100			7.4	100		7.5	B4	T
680XP	642 300 000		6	100	400		3.5	1.1	100		1.1	B4	T
713A	021 415 350		6	2	150	125	7.5	4	100	100	4	A08	P
717A	021 415 360		6	2	150	125	7.5	4	100	100	4	A08	P
731A	412 365 100		6	2.3	150	150	7	4.3	100	100	4	B7G	P
801	364 200 000		7.5	15	400		60	2.5	100			UX4	T
802	205 411 300	A1	6	18	400	250	30	2.2	100	150	2	UX7	P
805	642 300 000		6	6	150		10	1.4	100		1.4	B4	T
807	254 130 000	A1	6	12.5	400	250	83	6.5	100	150	6	UX5	P
816	200 300 000	D1	2.5				120		REC		30mA	UX4	R
825	642 300 000		6		150		6	1.4	150		1.4	B4	T
825BU	892 300 000		7.5				60		REC		20mA	B4	RR
829B	245 134 200	A1/A2	6.3		300	250	25	1.9	No Data Available			B7A	PP
832	245 134 200	A1 A2	6.3		150	125	30	3.5	100	150	3.5	B7A	PP
832A	245 134 200	A1/A2	6.3		150	125	30	3.5	100	150	3	B7A	PP
836	2** 00* 300	D1	2.5				120		REC		30mA	B7G	R
837	205 411 300		12.6	40	400	150	45		No Data Available			UX7	P
840	254 130 000	A1	2	3	200	75	1	0.4	100	60	0.4	UX5	P
841	264 300 000		7.5	1	100			0.7	100		0.7	UX4	T
842	264 130 000		7.5	100	400		25	1.2	100		1.2	UX5	T
843	264 130 000		2.5	25	350		25	1.7	100		1.7	UX5	T
864	364 200 000		1.1	4.5	90		2.9	0.6	80		0.6	UX4	T
871	200 300 000	D1	2.5				120		REC		30mA	UX4	R
879	200 300 000	D1	2.5				5		D			UX4	R
884	026 040 310		6		300		55	4kΩ	No Data Available			A08	THY
885	264 130 000		2.5		300		55	4kΩ	No Data Available			UX5	THY
904V	642 310 000		4	2	200		2	2	150		2	B5	T
950	041 230 500	A1	2	16.5	200	150	7	0.9	100	100	0.9	B7	P
951	265 300 000	G1	2	3	200	60	1.7	0.6	100	60		UX4	P
952F	288 310 000		6.3						D			5AA	D
954	213 154 000	A1	6.3	3	250	100	2	1.4	100	100		7AA	P
955	264 310 000		6.3	7	250		6.3	2.2	100			5AA	T
956	213 154 000	A1	6	3	250	100	6.7	1.8	100	100		7AA	P
957	322 460 000		1.2	5	150		2	0.6	100			5AA	T
958A	322 460 000		1.2	20	150				No Data Available			5AA	T
959	322 154 000	A1	1.2	3	150	60	1.7	0.6	100	60		7AA	P
985	289 130 000		5				30		REC		15mA	UX5	RR



VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
986	289 300 000		5				60		REC		20mA	UX4	RR
994V	642 310 000		4	0.5	100			3.6	100		3.6	B5	T
1002	802 300 000		1.8				60		REC		25mA	B4	R
1005	008 092 030		6.3				30		REC		15mA	A08	RR
1006	289 300 000		1.7				120		REC		30mA	UX4	RR
1007	008 090 230		1.0				60		REC		20mA	A08	RR
1012	289 300 000		1.7				120		REC		30mA	UX4	RR
1028	202 322 200	D1	6				60		REC		23mA	B7G	R
1103	809 231 600	G1	13	2	250		1.5	1.5	100		1.2	B7	DDT
1130	892 300 000		1.8						D			B4	DD
1201	426 141 630		6	3	200		5.5	3	150		3	B8B	T
1201	892 300 000		2.5				30		D			B4	DD
1203	200 800 130		6						D			B8B	D
1203A	200 800 130		6						D			B8B	D
1204	526 141 310		6	2	250 100		1.7	1.2	100	100	1.2	B8B	P
1206	265 441 730		6	2.5	250 100		4.5	2.1	100	100	2.1	B8B	PP
1221	165 113 000	G1	6	3	250 100		2	1.2	100	100	1.2	UX6	P
1222	265 403 100		6.3	18	350 250		54	5.2	100	150	5.2	A08	P
1223	026 510 310	G1	6	3	250 100		2	1.2	100	100	1.2	A08	P
1229	265 300 000	G1	2	3	150 75		1.7	0.6	100	75	0.6	UX4	P
1230	264 300 000		2	9	150		3		100			UX4	T
1231	265 104 130		6	30	300 200		13	6.3	100	100	6.3	B8B	P
1232	265 114 130		6	2	250 100		6	4.5	100	100	4.5	B8B	P
1236A	333 882 220		2						D			A08	D
1238	245 671 430		28	3.5	40 30		12.5	3.4	No Data Available			B8B	PP
1247	000 230 000	D1	0.6						D			B8A	D
1273	265 104 130		6	3	250 100		2.2	1.5	100	100	1.5	B8B	P
1274	028 090 310		6				30		REC		15mA	A08	RR
1275	289 300 000		5				120		REC		30mA	UX4	RR
1276	264 300 000		4.3	45	250		60	5.2	100			UX4	T
1280	265 104 130		12.5	3	250 100		2.2	1.5	100	100	1.5	B8B	P
1282	265 114 130		6	2	300 150		10	5.8	100	150	5.8	B8B	P
1284	265 104 130		12.5	3	250 100		9	2	100	100	2	B8B	P
1288	364 240 730		1.4		90		5.2	1.8	80		1.8	A08	TT
1291	274 304 620		1.4		90		5.2	1.8	80		1.8	A08	TT
1292	364 204 730		1.4		90		5.2	1.8	80		1.8	A08	TT
1293	260 064 030		1.4		90		4.7	1.3	80		1.3	B8B	T
1294	200 800 130		1.4						D			A08	E
1299	365 004 230		1.4	4.5	150 90		10.2	2.4	100	90	2.4	B8B	P
1560	289 300 000		5				60		REC		20mA	UX4	RR
1560	892 300 000		5				60		REC		20mA	B4	RR
1561	892 300 000		4				60		REC		20mA	B4	RR
1562	280 300 000		7.5				120		REC		30mA	UX4	R
1602	264 300 000		7.5	23.5	250		10	1.3	100		1.3	UX4	T
1603	265 113 000	G1	6	3	250 100		2	1.2	100	100	1.2	UX6	P
1608	264 300 000		2.5	90	400		95		No Data Available			UX4	T

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
1609	364 520 000		1.1	1.5	150	75	2.5	0.7	100	75	0.7	UX5	P
1610	264 530 000		2.5	16.5	250	250	31	2.5	100	150	3.8	UX5	P
1611	026 540 310		6	16.5	250	250	34	2.5	100	150	2.5	A08	P
1612	026 540 310	G1	6	3	250	100	5.3	1.1	100	100	1.1	A08	H
1613	026 540 310		6	16.5	250	250	34	2.5	100	150	2.5	A08	P
1614	026 540 310		6	18	350	250	54	5.2	100	150	5.2	A08	P
1616	200 300 000	D1	2.5				120		REC		30mA	UX4	R
1619	026 540 310		2.5	10	300	250	45	4.5	100	150	4.5	A08	P
1620	026 510 310	G1	6	3	250	100	2	1.2	100	100	1.2	A08	P
1621	026 540 310		6	16.5	250	250	34	3.5	100	150	2.5	A08	P
1622	026 540 310		6	18	350	250	54	5.2	100	100	5.2	A08	P
1624	205 401 300	A1	2.5	10	300	250	45	4.5	100	150		UX7	P
1625	205 401 300	A1	12	12.5	400	250	83	6.5	100	150	6	UX7	P
1626	026 040 310		12.5	32	250		20	2.1	100		2.1	A08	T
1631	026 540 310		12.5	18	350	250	54	5.2	100	150	5.2	A08	P
1632	026 540 310		12.5	8	200	100	50	9.5	100	90	9	A08	P
1633	471 461 230		25	8	250		11.5	2.6	100		2.6	A08	TT
1634	074 461 230		12.5	2	250		2	1.3	150		1.3	A08	TT
1635	027 446 310		6	0	300		3.5	0.9	100		0.9	A08	TT
1637	026 500 310	G1	6	18	250	250	32	3.8	100	150	3.8	A08	P
1638	029 180 310		6						D			A08	DD
1639	026 890 310	G1	6	5.5	250		5	2	100		2	A08	DDT
1641	200 300 000	D1/D2	5				120		REC		39mA	UX4	RR
1641/RK60	200 300 000	D1/D2	5				15		REC		12mA	UX4	RR
1642	216 471 300	G1	6	16.5	250		8.3	1.4	100			UX7	TT
1644	414 752 360		12.5	9	200	200	13	2.1	100	100	2.1	A08	PP
1649	021 415 360		6	2	300	150	10	9	100	100	8	A08	P
1654	2** 00* 300	D1	1.4						D			B7G	D
1655	074 461 230		6	2	250		2	1.3	200		1.3	A08	TT
1659	268 913 000	G1	2.5	2	250		0.9	1.1	150		1.1	UX6	DDT
1662	364 526 300		1.4	8.4	150	90	13.3	1.9	100	75	1.9	B7G	P
1664	026 985 310	G1	2.5	3	250	125	10	1.3	100	100	1.3	A08	DDP
1701	892 300 000		1.8				120		REC		30mA	B4	RR
1801	892 300 000		4				15		REC		10mA	B4	RR
1805	892 300 000		4				30		REC		15mA	B4	RR
1807	892 300 000		4				30		REC		15mA	B4	RR
1810	003 200 000	D1	4				30		REC		15mA	B4	R
1815	892 300 000		4				60		REC		20mA	B4	RR
1817	892 300 000		4				120		REC		30mA	B4	RR
1821	892 300 000		4				30		REC		15mA	B4	RR
1823	892 300 000		4				30		REC		15mA	B4	RR
1831	892 300 000		4				30		REC		12mA	B4	RR
1832	082 300 000		4				120		REC		30mA	B4	R
1851	026 510 310	G1	6	2	300	150	10	9	100	100	8	A08	P
1851GT	026 510 310	G1	6		300	150	10	9	100	100		A08	P
1852	021 415 360		6	2	300	150	10	9	100	100	8	A08	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
1853	021 415 360		6	3	300	200	12.5	5	100	150	5	A08	P
1853GT	204 153 600		6.3	3	300	200	12.5	5	100	100		A08	P
1861	892 300 000		4				60		REC		20mA	B4	RR
1867	389 200 000		4				60		REC		20mA	UX4	RR
1868	023 180 090		4				60		REC		20mA	F8	RR
1875	023 000 000	D1	4				5		D			8SC	R
1876	123 000 080		4				5		D			8SC	R
1877	002 300 000	D1	4				3		D			B4	R
1881A	892 300 000		4				30		REC		15mA	B4	RR
1882	023 080 090		5				60		REC		20mA	8SC	RR
1883	023 080 090		5				60		REC		20mA	8SC	RR
1884	120 908 030		2.5				15		REC		15	A08	RR
2051	026 041 310		6		250		75	3kΩ	No Data Available			A08	THY
2101	264 530 000		2	4.5	150	150	8	1.7	100	100	1.7	UX5	P
2102	268 953 000		2	1	100		2.5	1.3	100		1.3	UX6	DDT
2103	274 546 300		2	7.5	150	150	4	1.5	100	100	1.6	UX7	PP
2151	265 413 000		14	31	250	250	47	2.7	100	150	2.4	UX6	P
2318	892 300 000		4				30		REC		15mA	B4	RR
2506	892 300 000		4				15		REC		10mA	B4	RR
3006	802 300 000		4						D			B4	D
3041	652 430 000		1.2	1	20	20	0.2	0.3	No Data Available			B5A	P
3041A	652 430 000		1.2	1	20	20	0.2	0.3	No Data Available			B5A	P
3074A	204 140 300	A1/A2	6		300		50	3	No Data Available			UX7	TT
3075A	002 300 000	D1	2						D			B4	D
3310A	265 113 000		10		250	150	5.6	2	100	100		UX6	P
3311A	265 113 000		10		200	150	33	3	100	100		UX6	P
3328A	265 113 000		7.5		250	150	5.6	1.9	100	100		UX6	P
3329A	265 113 000	G1	7.5		200	125	31	2.9	100	100		UX6	P
3481	026 510 310	G1	6	13.5	150	150	5.5	1.8	100	100	1.8	A08	P
3720	364 200 000		5	1.5	200		0.2	0.2	150		0.2	UX4	T
3871	264 300 000		30	19	100	100	52	3.8	100	90	3.8	UX6	P
3872	364 200 000		2	9	150		3		100			UX4	T
3873	365 200 000	G1	2	3	150	75	1.5	0.6	100	75	0.6	UX4	P
3921	264 300 000		2.5	50	250		34	2.1	100		2.1	UX4	T
3924	265 130 000	G1	2.5	3	200	90	4	1	100	90	1	UX5	P
4019A	264 300 000		4		200		9.7	1.3	100		1.2	UX4	T
4019B	642 300 000		4	4	100		7.5	1.2	100		1.2	B4	T
4020A	264 300 000		2	2	150		1.2	0.6	100		0.6	UX4	T
4020B	264 300 000		2	2	150		1.2	0.6	100		0.6	UX4	T
4021A	264 300 000		4	10	150		32.5	3	100		0.6	UX4	T
4021B	642 300 000		4	8	150		23	3	100		3	B4	T
4022AR	264 300 000		4	6	200		16.2	2.2	100		2.0	UX4	T
4022R	264 300 000		4	6	200		16.2	2.2	100		2.0	UX4	T
4033	264 130 000		6	20	400		50	9	100		8	UX5	T
4033A	642 310 000		6	20	400		50	9	100		8	B5	T
4033L	642 310 000		6	20	400		60	10	100		8	B5	T
4037A	802 300 000		4				120		REC		30mA	B4	R

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
4045A	642 350 000		5	70	250	60	43	1.3	No Data Available			B5	P
4061A	205 411 300	A1	6	10	400	200	50	2.5	100	150	2.5	B7	P
4074A	204 140 300	A1/A2	6	13	300		15	3	100		3	UX7	TT
4077A	003 200 000	D1	5				120		REC		30mA	B4	R
4264A	364 200 000		1.5		100			6.3	100		6	UX4	T
4274A	289 300 000		5				120		REC		30mA	UX4	RR
4300A	364 200 000		5	90	400		50		No Data Available			UX4	T
4310A	265 113 000	G1	10	5.5	250	150	5.2	2	100	100	2	UX6	P
4328A	265 113 000	G1	7.5	5.5	250	175		2	100	150	2	UX6	T
4328D	026 510 310	G1	7.5	5.5	250	150	5.2	2	100	100	2	A08	T
4608	642 310 000		4	6	150		11	2.5	100		2.5	B5	T
4610	542 310 000	A1	4	1.3	200	100	1.5	0.9	100	100	0.9	B5	P
4611	364 200 000		6	40	200		20	1.7	No Data Available			UX4	T
4611	642 300 000		6	40	200		20	1.7	No Data Available			B4	T
4612	642 300 000		4	40	250		40	2.7	No Data Available			B4	T
4613	642 300 000		4	22	250		48	3.5	No Data Available			B4	T
4614	642 310 000		4	16	200		12	1.3	No Data Available			B5	T
4618	542 310 000	A1	4	2	200	100	3	2.2	100	100	2.2	B5	P
4619	892 300 000		4				30		REC		15mA	B4	RR
4623	123 000 000	D1	6.3				5		D			B3G	D
4631	264 300 000		2	1.5	150		0.7		150			UX4	T
4635	642 310 000		4	16	200		12	9	No Data Available			B5	T
4636	542 310 000		4	2	200	100	3	2.3	100	100		B5	P
4650	642 350 000		4	63	300	300	30		No Data Available			B5	P
4651	023 180 090		6.3				60		REC		20mA	F8	RR
4652	892 300 000		4				60		REC		20mA	B4	RR
4654	411 230 050	A1	6	14	250	275	72	8.5	No Data Available			8SC	P
4654K	023 114 500	A1	6	12.5	250	275	72	8.5	125	125		8SC	P
4654P	411 230 050	A1	6	14	250	275	72	8.5	No Data Available			8SC	P
4655	462 300 000		4.5				60		REC		15mA	B4	RR
4657	642 310 000		4	1.5	200		1	2.2	200		2.2	B5	T
4670	432 564 570		2	8.5	90	90	1		80	75		8SC	PP
4671	264 310 000		6.3	5	200		4.5	2	100			5AA	T
4672	513 100 000	A1/G1	6.3	3	90	90	1.2	1.1	100	100	1.1	5AA	P
4673	642 310 000	G1	4	2.5	250	200	8	5	100	150	5	B5	P
4673	023 110 560	G1	4	4	250	200	8	5	100	150	5	8SC	P
4675	264 310 000		4	5	200		4.5	2	100			5AA	T
4676	251 310 000	A1/G1	4	3	250	100	2	1.4	100	100		5AA	P
4679	026 447 300		6	2.5	250		8	5	100		4.6	A08	P
4682	023 100 560	G1	4		375	250	24		100	150		8SC	P
4683	023 004 060		4		350		43		100			8SC	T
4684	023 104 560		4		400	250	24		100	150		8SC	P
4688	023 104 560		4		400	275	48		100	150		8SC	P
4689	026 540 310		6.3		400	275	48		No Data Available			A08	P
4689	023 104 560		6		400	275	48		100	150		8SC	P
4694	023 104 560		6	7.5	400	250	24	8	100	150		8SC	P
4695	251 310 000	A1/G1	6.3	3	250	100	6.7	1.7	100	100		5AA	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
4696	023 180 560	G1	6.3	2.5	250	150	8	14	No Data Available			F8	DP
4699	023 104 560		6	12.5	300	300	55	13	100	150	9	8SC	P
5222	402 613 060	A1	6.3	1	100		0.7	1.7	100		1.7	B8D	T
5516	235 242 300		3	14	400	250	75	4	100	150	4	A08	P
5556	264 300 000		4.5	30	350		9	0.9	No Data Available			UX4	T
5590	412 365 100	D1	6	4.5	90	90	3.9	2	80	90	2	B7G	P
5591	412 365 100		6	1.9	200	125	7.7	5	125	100	5	B7G	P
5603	021 415 360		6	12.5	150	150	50	5.4	100	100	5	A08	P
5608	412 365 100		6	12	150	125	7.5	5	100	90	5	B7G	P
5610	612 364 000		6	1.5	90		17	4	80		4	B7G	T
5618	265 134 200		3	8	300	75	19	3.5	100	60	3.5	B7G	P
5635	442 *63 710		6	0.5	100		4.8		100		3.8	B8B	TT
5636	412 163 510		6	1.4	100	100	5.3	3.3	100	100	1.9	B8D	P
5637	402 013 060	6		100		1.4	2.7	100		2.7	B8B	T	
5639	412 163 510	6	2.6	150	100	21	9	100	100	9	B8D	P	
5640	412 163 510	D1	6	6	100	100	31	5	100	100	5	B8B	P
5641	082 813 080		6				30		REC		15mA	B8D	R
5642	023 000 000		1.2						D			B3G	D
5643	612 113 410		6.3		400		75	5k $\Omega$	No Data Available			B8D	THY
5645	612 430 000		6.3	2.8	100		5	2.7	100		2.7	B5B	T
5646	612 430 000		6.3	1.1	100		1.4	2.4	100		2.4	B5B	T
5647	381 280 000		6				5.0		D			B5A	D
5654	412 365 100		6	2	150	125	7.5	5	100	100	5	B7G	P
5656	544 231 761	G1	6.3		150	150	15	5.8	100	100		B9A	PP
5659	026 540 310		12.5	12.5	250	250	32		100	150		A08	P
5660	026 895 310	G1	12.5	3	250	125	10	1.3	100	100	1.3	A08	DDP
5661	021 415 360		12.5	0.4	250	100	9.2	2	100	100	2	A08	P
5670	214 607 413		6	2	150		8.2	5.5	125		5.5	B9A	TT
5672	653 420 000		1.2	6.5	60	60	3.1	0.6	No Data Available			B5A	P
5676	624 300 000		1.2	5	150		4	1.6	125		1.6	B5A	T
5677	634 200 000		1.2	6	150		1.9	0.6	100			B5A	T
5678	652 430 000	1.2	0	60	60	1.8	1	No Data Available			B5A	P	
5679	218 309 120	6				5		D			B8B	RR	
5686	141 235 615	6	12.5	250	250	27	3.1	100	100		B9A	P	
5687	641 221 437	6	12.5	250		12.5	4.1	100		7	B9A	TT	
5690	238 192 310	G1	6				20		REC		30mA	A08	RR
5691	471 461 230		6	2	250		2.3	1.6	150		1.6	A08	TT
5692	471 461 230		6	9	250		6.5	2.2	100		2.2	A08	TT
5693	021 415 360		6	3	250	100	3	1.6	100	100	1.6	A08	P
5694	126 447 310		6	6	300		7	3.2	No Data Available			A08	TT
5702	652 311 400		G1	6.3	2	150	115	7.5	5	100	100	5	B7G
5703	623 410 000	6.3		2	150		9	5	100		5	B5A	T
5704	623 100 000	6.3					5		D			B5A	R
5748	402 013 060	6		2	100		13	5.5	100		5.5	B8D	T
5719	402 013 060	6		1.3	150		1.8	2.3	100		1.6	B8B	T
5722	802 208 300	3							D			B7G	D
5725	412 365 100	6	2	150	125	5.2	3.2	100	100	3.5	B7G	P	

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE	
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V			
5726	192 310 800		6.3				5			D			B7G	RR
5732	026 510 310	G1	6	3	150	100	8	2.2	100	100	2		A08	P
5744	623 410 000		6.3	2	250		4	4	100				B5A	T
5749	412 365 100		6	1	250	100	11	4.4	100	100	4.3		B7G	P
5750	412 366 400		6	2	100		11	7	100		6		B7G	H
5751	741 226 413		6	3	250		1	1.2	100		1.2		B9A	TT
5755	471 461 230		6	2	250		2.3	1.6	200		1.6		A08	TT
5763	601 235 144		6	7.5	250	250	45	7	100	150	7		B9A	P
5784	652 311 400		6.3	2	150	125	5.2	3.2	100	100	3		B7G	P
5785	823 000 000		1.2						D				B3G	D
5797	411 235 600		26.5	1	30	30	0.5	1	No Data Available			B8D	P	
5798	741 231 460		26	0	20		2.3	3.1	No Data Available				TT	
5812	413 365 200		3	23	250	250	40	4.1	100	150	4.1		B7G	P
5814	741 226 413		6	8.5	250		10.5	2.2	100		3		B9A	TT
5814A	741 226 413		6	8.5	250		10.5	2.2	100		3		B9A	TT
5824	026 540 310		25	22	150	125	61	5	125	125	5		A08	P
5825	200 300 000	D1	1.5						D				UX4	D
5838	028 090 310		12				30		REC		15mA		B8A	RR
5839	028 090 310		26.5				180		REC		30mA		A08	RR
5840	412 163 510		6	1.4	100	100	7	5	100	100	5		B8D	P
5842	602 441 443		6	1.5	150		26	24	100		2.4		B9A	T
5844	672 344 100		6	2.3	100		4.8	3.4	100		3.4		B7G	TT
5845	802 290 300		6						D				B7G	DD
5847	402 106 053		6	2	150	150	13	12.5	150	150	12		B9A	P
5851	206 005 340		2.5	7.5	150	125	5.5	1.6	125	125	1.6		B8B	P
5852	028 090 310		6				30		REC		15mA		A08	RR
5854	653 420 000		1.2	2	40	40	0.8	0.5	No Data Available			B5A	P	
5871	026 540 310		6.3	12.5	250	250	45	4.5	100	150	4		A08	P
5873	264 114 730		6	3	150		9	2.9	100		2.3		B8B	TT
5875	652 430 000		1.2		90	90	3.5	2.5	80	90			B5A	P
5879	401 230 561		6	3	250	100	1.8	1	100	100	1		B9A	P
5881	026 540 310		6	12.5	300	200	48	5.3	100	150	5		A08	P
5882	028 090 310		12.6				30		REC		20mA		A08	RR
5894	245 134 200	A1/A2	6		400	250	30	3.4	No Data Available			B7A	PP	
5896	812 093 100		6				15		REC		15mA		B8B	RR
5897	402 013 060		6	2.3	150		14	6.5	100		5.8		B8A	T
5898	402 013 060		6	2	150		1.8	2.3	100		1.7		B8A	T
5899	412 163 510		6	1.4	100	100	7.2	4.5	100	100	5		B8D	P
5900	412 163 510		6		100	100	7.2	4.5	100	100	5		B8A	P
5901	412 163 510		6	1.5	100	100	7.5	5	100	100	5		B8A	P
5902	412 163 510		6	6.5	100	100	30	4.2	100	100			B8A	P
5903	812 093 100		26				5		D				B8B	RR
5904	402 013 060		26	0	20			5	No Data Available				T	
5905	412 163 510		26		20	20	2.3	2.8	No Data Available			B8A	P	
5906	412 163 510		26	1.5	100	100	7.5	5	100	100	5		A08	P
5907	412 163 510		26		20	20	2.7	3	No Data Available			B8A	P	
5908	412 163 510		26		20	20	2.3	1.7	No Data Available			B8A	P	

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE	
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V			
5910	265 *24 300		1.4		90	90	1.6	0.9	100	90	0.9	B7G	P	
5915	412 365 100		6		75	75	6.3	2	80	75	2	B7G	H	
5916	412 163 510		26		100	100	4.4	1.3	100	100	1.3	B8A	P	
5920	762 344 100		6	2.1	100		8.5	6	100		6	B7G	TT	
5930	264 300 000		2.5	45	250		60	5.2	No Data Available			UX4	T	
5931	020 809 030		5				120		REC		30mA	A08	RR	
5932	026 540 310		6	14	250	250	72	6	100	150	6	A08	P	
5933	354 130 000	A1	6	14	300	250	83	6.5	100	150	6	UX5	P	
5947	222 833 380		4.4						D			A08	D	
5961	126 541 340		6		250	100			100	100		A08	H	
5963	741 226 413		6	2	75		3.5	2	100		2.5	B9A	TT	
5964	762 344 100		6	1	100		9.5	6	100		6	B7G	TT	
5965	741 226 413		6	1.8	150		8.2	6.5	150		6	B9A	TT	
5967	624 334 270		1.2		40		3	2	No Data Available			B8B	TT	
5968	240 670 430		1.2		40		0.7	1.3	No Data Available			B8B	TT	
5969	245 675 430		1.2	3	125	40	6	1.7	No Data Available			B8B	PP	
5970	245 675 430		1.2		40	40	3	1.8	No Data Available			B8D	PP	
5971	642 430 000		1.2	2.5	150		5.6	2.5	100			B5A	T	
5972	652 420 000		1.2		60	60	2.5	1.3	No Data Available			B5A	T	
5975	614 230 000		6.3		200		12	4	100		4	B5A	T	
5977	402 013 060		6	2.7	100		10	4.5	100		4.5	B8B	T	
5987	462 613 060		6	18	100		9	1.8	100		1.8	B8B	T	
5992	026 540 310		6	12.5	250	250	45	4.1	100	150	4	A08	P	
5993	802 010 309		6				30		REC		15mA	B9A	RR	
5995	802 310 000		6.3				30		REC		15mA	B5A	R	
5998	461 471 230		6		100		100	15.5	No Data Available			A08	TT	
6004	020 000 030	D1/D2	2.5				60		REC		20mA	A08	RR	
6005	412 365 400		6	12.5	250	250	45	4	100	150	4	B7G	P	
6006	021 415 360		6	14	250	125	11	4.7	100	100		A08	P	
6007	653 420 000		1.2	0.2	20	20	0.4	0.4	No Data Available			B5A	P	
6008	653 420 000		0.6	1.1	20	20	0.5	0.1	No Data Available			B5A	P	
6021	642 113 470		6	1.0	100		6.5	5.4	100		5	B8D	TT	
6026	001 230 460		6	2.6	150		12	5.9	100		5.9	B8B	T	
6028	412 365 100		20	1.8	150	125	7.5	5	100		5	B7G	P	
6029	624 300 000		1.2	4	90		11	2	80			B5A	T	
φ6030	672 344 100		6	{	3	150	5	4.5	100		5.8	B7G	TT	
					0.8	100	8.5	5.8	100		5.8			
6042	461 471 230		25		8	250	9	2.6	100		2.6	A08	TT	
6045	672 344 100		6		0.5	100	9	6.4	100		6.4	B7G	TT	
6046	026 540 310		25		8.2	200	125	46	8	100	125	8	A08	P
6049	412 163 510		6.3		1.5	100	100	7.4	3.5	100	100	3.5	B8A	P
6050	624 300 000		1.2	5	150		4	1.6	100			B5A	T	
6051	652 430 000		1.2	4	40	40	3	1.2	No Data Available			B5A	P	
6052	812 093 100		6				30		REC			B8B	RR	
6053	812 093 100		26				5		D			B8B	DD	
6055	402 013 060		26		40			4.7	No Data Available			B8D	T	
6056	412 163 510		26		40	40		3	No Data Available			B8D	P	

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE	
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V			
6057	741 226 413		6	2	250		1.2	1.6	150		1.6	B9A	TT	
6058	192 310 800		6						D			B7G	DD	
6059	041 230 651		6	3	250	100	2	1.2	100	100	1.2	B9A	P	
6060	741 226 413		6	2	250		10	5.5	200		5	B9A	TT	
6061	*41 230 651		6	13	300	225	34	3.7	100	150	3.7	B9A	P	
6062	601 235 144		6	7.5	250	250	45	7	100	150	7	B9A	P	
6063	802 309 100		6				30		REC		15mA	B7G	RR	
£6064	412 361 500		6	{	2	250	250	10	7.5	100	150	5	B7G	P
6065	412 361 500		6		1.5	200	150	4	6.4	100	150	5	B7G	P
6066	412 389 600		6		2.5	250	250	8	2.5	100	100	2.5	B7G	P
			6		3	250		1	1.2	150		1.2	B7G	DDT
6067	741 226 413		6	8.5	250		10.5	2.2	100		2.2	B9A	TT	
6068	021 040 350		6.3	8	400	150	36	5.3	100	100		A08	P	
6072	741 226 413		6	4	250		3	1.7	100		1.7	B9A	TT	
Δ6080	471 461 230		6	30	100				No Data Available			A08	TT	
6082	471 461 230		26.5	30	100		100	7	No Data Available			A08	TT	
6084	501 236 014		6	2	250	125	10	9	150	100		B9A	P	
6085	641 227 413		6	5.5	250		6	2.7	100		2	B9A	TT	
6086	541 236 **1		18	1.8	200	100	8.3	8.2	100	100	8	B9A	P	
6087	020 809 030		6				60		REC		20mA	A08	RR	
6088	653 420 000		1.2	1.2	40	40	0.7	0.6	No Data Available			B5A	P	
6092	653 420 000		1.2	6.5	60	60	2.9	0.7	No Data Available			B5A	P	
6094	452 634 516		6	12.5	250	250	45	6	100	150	6	B9A	P	
6095	412 365 400		6	12.5	250	250	45	4.1	100	150	4	B7G	P	
6096	412 365 100		6	2	150	125	7.5	5	125	125	5	B7G	P	
6097	192 310 800		6						D			B7G	DD	
6098	106 052 430		6	22.5	250	250	77	5.4	100	100		A08	P	
6099	672 344 100		6	{	3	150		5	4.5	100		5.8	B7G	TT
					0.8	100		8.5	5.3	100		5.8	B7G	TT
6100	602 364 100		6	8.5	250		10.5	2.2	100		3	B7G	T	
6101	762 344 100		6	2	150		9	5.5	100		6	B7G	TT	
6106	020 809 030		5				60		REC		20mA	A08	RR	
6110	812 093 100		6				5		D			B8B	RR	
6111	642 113 470		6	1.9	100		8.5	5	100		5	B8B	TT	
6112	642 113 470		6	1.4	150		1.7	2.5	100		0.8	A08	TT	
6113	641 471 230		6	3	250		3	1.7	100		1.6	A08	TT	
6118	026 890 310		6	3	250		1.0	1.2	150		1.3	A08	DDT	
6125	8*2 384 100		6	8.5	250		10.5	2.2	150		2.2	B7G	T	
6132	*41 230 651		6	4.5	250	250	40	11	100	150	9	B9A	P	
6134	021 415 360		6	2	300	150	10	9	100	150		A08	P	
6135	6*2 364 100		6	8.5	250		10.5	2.2	100		2.2	B7G	T	
6136	412 365 100		6	1	250	150	10.6	5.2	100	150	5	B7G	P	
6137	021 415 360		6	3	250	100	9.2	2	100	100	2	A08	P	
6145	265 104 130		5		150	100	34	10	100	100		B7G	P	
6146	125 141 310	A1	6	28	200	200	100	7	No Data Available			A08	P	
6147	206 035 240		1.2	7.5	150	125	5.5	1.6	100	125	1.5	B8B	P	
6149	623 410 000		6.3		150		9	5	100			B5A	T	
6151	623 410 000		6.3		250		4	4	100			B5A	T	



VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE		
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V				
6152	614 230 000		6.3		200		12	4	100			B5A	T		
6153T	023 164 570	G1	6	{	2	100		16	5	100	60	5	}	8SC	TH
6156	412 360 500		6		2	250	100	12	3.5	100	100	3		B7G	P
6157	**1 23* ***	D1	6	13.5	250	250	16	2.6	100	150	2.6	30mA	B9A	R	
6158	741 226 413		6	4.6	250		6	2.3	100		2.3	B9A	TT		
6159	125 141 310	A1	26	30	200	200	100	7	No Data Available			A08	P		
6169	642 113 640		6	1	200		11	6.5	100		6.5	A08	T		
6180	461 471 230		6	8	250		9	2.6	100		2.6	A08	TT		
6186	412 365 100		6	1.4	250	150	7	5	100	100	4	B7G	P		
6187	412 365 100		6	2	150	125	5.2	3.2	100	125	3	B7G	P		
6188	461 471 230		6	2	250		2.3	1.6	150		1.4	A08	TT		
6189	641 227 413		6	8.5	250		10.5	2.2	100		3	B9A	TT		
6197	145 236 154		6	3	250	150	30	11	100	150	10	B9A	P		
6201	741 226 413		6	2	250		10	5.5	100		5	B9A	TT		
6202	802 309 100		6				60		REC		20mA	B7G	RR		
6203	800 230 109		6						REC			B9A	RR		
6205	412 163 510		6	4	100	100	7.5	5	100	100	5	B8D	P		
6206	412 163 510		6.3	1.3	100	100	7.5	5	100	100	4.5	B8A	P		
6211	741 226 413		6	1.2	100		4.6	3.6	100		3.6	B9A	TT		
6216	641 236 510		6	6	200	100	47	8.8	100	100		B9A	P		
6222	402 613 080		6.3	1	100		0.7	1.7	100		1.7	B8D	T		
6227	041 230 651		6	5.2	200	200	30	9	100	100		B9A	P		
6245	652 311 400		6.3		150	150	7.5	5.0	100	100		B7G	P		
6247	442 613 000	A1	6	3	200		4	3	100		2.6	B7G	T		
6252	245 134 200	A1 A2	6.3	17	400	200	20	6.5	No Data Available			B7A	PP		
6265	412 365 100		6	1	250	150	9	4	100	125		B7G	P		
6267	501 236 014		6	1.0	250	100	3.0	1.8				B9A	P		
6281	653 420 000		6	0.6	20	20			No Data Available			B5A	P		
6286	624 300 000		1.2	2	60		6	2.1	No Data Available			B5A	T		
6287	156 236 546		6	12.5	250	250	48	4.1	100	100		B9A	P		
6293	125 141 300	A1	6		200	200	100	7.3	No Data Available			A08	P		
6302	265 113 000	G1	6	2.2	300	150	11	9	No Data Available			UX6	P		
6305	112 311 100	D1	4				5		REC		5mA	B7G	R		
6325	108 090 230		6				60		REC		20mA	A08	RR		
6327	121 040 350		6	22.5	250	250	120	8	100	100		A08	P		
6336A	471 461 230		6.3	60	200		75	5	No Data Available			A08	TT		
6350	614 227 143		6	5	150		11	4.6	100		5	B9A	TT		
6351	141 321 655		6	2	350	250	12.5	11.5	No Data Available			B9A	P		
6352	2** 382 930		1.5						D			B8A	D		
6360	414 226 573		6.3	15	200	200	30	3.3	No Data Available			B9A	PP		
6374	**1 23* **8	D1	6				120		REC		30mA	B9A	R		
6375	400 230 060		1.2	4.5	150		12.0	3.4	150		3.4	B8D	T		
6384	106 052 430		6.3	22	250	250	77	5.5	No Data Available			A08	P		
6385	214 607 413		6	2.1	150		82	5.5	125		5.5	B9A	TT		
6386	214 607 413		6	2	100		9.6	4	100		4	B9A	TT		
6394	461 471 230		26.5	45	150		100	11	No Data Available			A08	TT		

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
6397Spec	206 035 240		1.2		150	150	9	2.3	100	100		B8D	P
6414	641 227 413		6.3	2	200		8	5.5	100			B9A	TT
6417	601 235 144		12.5	7.5	250	250	45	7	100	150	7	B9A	P
6418	652 430 000		1.2	1.2	20	20	0.2	0.3	No Data Available			B5A	P
6443	**1 23* ***	D1	6				120		REC		36mA	B9A	R
6463	614 227 143		6	10	250		14.5	5.2	100			B9A	TT
6485	412 365 100		6	1.6	300	150	10	9	100	100		B7G	P
6486/A	410 263 511		6.3	2	150	125	3.5	3.2	125	125	3.5	B9A	P
6488	412 653 160		6	2.0	100	100	7.5	5.0	100	100	5.0	B8D	P
6489	261 360 000		6		100		8		100			SM5	T
6516	412 360 500		6	13.5	250	250	16.0	2.6	100	150	2.6	B7G	P
6520	461 471 230		6	60	150		50	7	No Data Available			A08	TT
6526	652 430 000		1.2	6	100	100	6.5	1.9	100	100		B5A	P
6528	471 461 230		6	20	200		90	15	No Data Available			A08	TT
6533	644 612 360		6		150		0.9	1.7	100			B8D	T
6535	672 344 100		6	0.8	100		8.5	5.3	100		5.3	B7G	TT
6542	542 134 500	A1 A2	6	2	200	200	50	4.5	100	100		B7A	PP
6550	026 540 310		6	16.5	400	225	87	9	No Data Available			A08	P
6582A	410 263 511		6		150	125	7.5	4.5	100	100		B9A	P
6611	652 430 000		1.2		40	40	1	1	No Data Available			B5A	P
6612	652 430 000		1.2		40	40	3	3	No Data Available			B5A	P
6660	412 365 100		6	1.1	250	100	11	4.4	100	100	4.3	B7G	P
6661	412 365 100		6	1.0	250	150	7.4	4.6	100	100		B7G	P
6662	412 365 100		6	1.0	250	100	9.2	3.6	100	100	3.6	B7G	P
6663	182 310 900		6						D			B7G	DD
6664	412 389 600		6	12	250		10	5.5	100			B7G	DDT
6669	412 365 400		6	12.5	250	250	47	4.1	100	150	4	A08	P
6676	412 365 100		6	56	150	150	13	8	100	100		B7G	P
6677	145 236 154		6	3	250	150	30	11	100	100		B9A	P
6678	645 237 114		6	{ 1.6	150		18	8.5	100	60	9	B9A	TP
				{ 0.9	250	100	10	5.2	100	100	5		
6679	641 227 413		6	2	250		10	5.5	100		5	B9A	TT
6680	641 227 413		6	8.5	250		10.5	2.2	100		2.2	B9A	TT
6681	641 227 413		6	2	250		1.2	1.6	150		1.6	B9A	TT
6686	041 230 651		6	2.5	200	200	20	11	100	100		B9A	P
6687	412 365 100		6	5	150	75	0.5	0.6	125	75	0.6	B7G	H
6688	141 23* 615		6	1	200	150	13.1	16.5	No Data Available			B9A	P
6689	541 236 **1		6	1.7	200	125	10	9	100	100		B9A	P
6690	742 163 410		6	0.8	100		8	4.8	100		4.8	B8A	TT
6697	641 227 413		6	8.5	250		10	2.0	150			B9A	TT
6754	801 023 109		6				30		REC		15mA	B9A	RR
6760	641 236 510		18	7.5	150	125	70	12	No Data Available			B9A	P
6761	641 236 510		6	7.5	150	125	70	13	No Data Available			B9A	P
6788	412 163 510		6	1.4	100	100	0.8	1.1	100	100	1.1	B8A	P
6814	402 013 060		6		100		10	6	100		6	B8A	T
6829	641 227 413		6	2.2	150		10.7	8.1	150		8.1	B9A	TT
6832	642 113 470		6		100		0.7	1	100			B8D	TT

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
6840	614 227 130		6.3		250		14	6.7	100			B8D	P
6850	542 134 500	A1 A2	12		200	200	50	4.5	100	100		B7A	PP
6851	641 227 413		6.3	3.1	250		1	1.2	100		1.2	B9A	TT
6853	030 809 020		5				60		REC		20mA	A08	RR
6854	214 607 413		6.3	19.6	150		8.2	5.2	100		5.2	B9A	TT
6870	141 223 651		6	3.5	250	250	25	8.5	100	100	8	B9A	P
6872	521 413 100	A1	6.3	1	400	100	3.5	2.2	100	100		B7G	P
6877	402 634 016		6.3	12	100		75	6.5	No Data Available			B9A	T
6883	125 141 130	A1	12	30	200	200	100	7	No Data Available			B9A	P
6887	182 310 900		6						D			B7G	DD
6888	021 415 600		6.3		150	90	38		100	90		A08	P
6889	200 053 420	A1	6.3	22.5	250	250	77	5.4	100	100		A08	P
6893	125 141 130	A1	12	30	200	200	100	7	No Data Available			B9A	P
6900	741 221 436		6.3	2	150		36	11.5	No Data Available			B9A	TT
6907	245 134 200	A1 A2	6.3	50	400	250	100		No Data Available			B7A	PP
6913	741 226 413		6.3	5	150		11	4.6	100			B9A	TT
6919	182 310 900		6				5		D			B7G	RR
6922	641 327 411		6.3	1.2	90		15	12.5	No Data Available			B9A	TT
φ 6927	672 344 100		6	{	3	150	5	4.5	100		5	B7G	TT
					0.8	100	8.5	5.8	100		5		
6928	412 365 400		6	12.5	250	250	45	4.1	100	150	4	B7G	P
6939	414 226 573		6.3	100	300	200	85	10	No Data Available			B9A	PP
6943	412 163 510		6.3		100	100	8	3.6	100	100	3.6	B8D	P
6944	412 163 510		6.3		100	100	7	3.2	100	100	3.2	B8D	P
6945	412 163 510		6.3		100	100	25	3.5	100	100		B8D	P
6946	402 013 060		6.3		100		9	3.8	100			B8D	T
6947	642 113 470		6.3		150		6.5	4	100			B8D	TT
6948	642 113 470		6.3		100		0.8	1.6	100			B8D	TT
6954	412 365 100		6.3	1	150	150	5.9	2	100	100		B7G	P
6955	641 227 413		6	8.5	250		11.5	2.3	100			B9A	TT
6968	402 365 100		6.3	2	150	125	7.5	5	125	100	4	B7G	P
6973	504 234 156		6.3	15	250	250	46	4.8	100	100		B9A	P
7000	026 510 310	G1	6	3	250	100	2	1.2	100	100	1.2	A08	P
7025	741 236 413		6	2	250		1.2	1.6	150		1.6	B9A	TT
7027	526 544 310		6.3		200	200			100	100		B8A	P
7032	412 365 100		6.3	2	250	100	4.5	1.8	100	100		B7G	H
7036	412 365 100		6	0	75	75	6.3	2	80	75	2	B7G	H
7044	641 221 437		6.3	2	150		36	10	No Data Available			B9A	TT
7051	645 237 114		6.3	{	1.0	150	18	8.5	100	60	8	B9A	TP
					1.0	200	100	10	5	100	100		
7054	141 23* 651		13.5	2.7	250	150	19	11.5	100	100		B9A	P
7055	182 310 900		13.5				5		D			B7G	RR
7056	412 365 100		13.5	2.2	200	150	9.5	6.2	100	100		B7G	P
7057	641 237 410		13.5	2.2	150		10	6.8	100			B9A	TT
7058	641 237 410		13.5		250		1.2	1.6	100			B9A	TT

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
7059	654 237 115		13.5	{ 1	150		18	8.5	100	60	8	B9A	TP
				{ 0.9	250	100	10	5.2	100	100	5		
7060	641 237 541		13.5	{ 1.5	150		9	4.9	100	60		B9A	TP
				{ 1.6	200	125	15	7	100	100			
7061	504 234 156		13.5	10	200	200	36	4.2	100	100		B9A	P
7062	641 227 413		6.3	0.8	100		8.5	7.8	100		8.5	B9A	TT
7066	208 564 300		1.4		100	100	1.1	0.4	100	100	0.4	B7G	DP
7071	*** 23* ***	D1	6.3						D			B9A	D
7072	*** 23* **8	C	6.3				180		REC		40mA	B9A	R
7073	*** 23* **8	C	26				180		REC		40mA	B9A	R
7074	641 234 146		6.3		200		12	14	No Data Available			B9A	T
7075	641 234 146		3.8		200		12	14	No Data Available			B9A	T
7078	041 230 651		6.3	2.0	250	100	9	4.4	100	100	4	B9A	P
7079	041 230 651		12.6		200	100	12	4.4	100	100	4	B9A	P
Δ7105	471 461 230		12.6	30	100				No Data Available			A08	TT
7108	501 236 014		6.3		250	150	3	2	100	100		B9A	P
7110	141 230 651		6.3	3.5	250	250	10	6.8	100	100		B9A	P
7118	641 227 413		6.3	1.4	100		8.5	5.6	100		5.6	B9A	TT
7119	641 221 437		6.3	7	200		23	6.4	100		6.4	B9A	TT
7125	541 236 891		6.3	2	250	100	9	3.8	100	100	3.6	B9A	DDP
7137	412 344 600		6.3	1.3	150		13.5	8.5	100			B7G	T
7143	412 314 600		3.1	1.0	200		11.5	6.7	100		6	B7G	T
7144	641 237 410		6.3	1.2	90		15	12.5	No Data Available			B9A	TT
7145	501 236 014		6.3	2.0	50	50	1.8		80	60		B9A	P
7150	631 421 1*5		6.3		150	125	24	34	No Data Available			B9A	P
7167	412 365 100		13.5	1	150	80	10	8	No Data Available			B7G	P
7184	026 540 310		6.3	12.5	250	250	47	4.1	100	100		A08	P
7189	441 235 6*5		6.3	7.3	250	250	48	11.3	No Data Available			B9A	P
7193	020 000 310	A1/G1	6	10.5	300		11	3	100		3	A08	T
7199	675 231 414		6.3	{ 8	200		9	2	100	60		B9A	TP
				{ 1.5	250	125	12.5	7	100	100			
7212	125 142 360		6.3	28	200	200	100	7	No Data Available			A08	P
7227	*41 23* 651		27.5	2.5	40	40	8	5	No Data Available			B9A	P
7233	646 236 416		6.3	40	150		50	9	No Data Available			B9A	T
7236	471 461 230		6.3	14	150		100	12.5	No Data Available			A08	TT
7239	41* 235 1*1	A1	6.3	5	300	100	10.5	4.2	100	100		B9A	P
7244	672 344 100		6	0.4	100		9	6	100		5	B7G	TT
7245	412 344 600		6.3		150		13.5	11	100			B7G	T
7247	641 227 413		6.3	{ 2	250		1.2	1.6	100		1.6	B9A	TT
				{ 8.5	250		10.5	2.2	100		2.2		
7258	641 237 541		12.5	{ 3	150		15	4.5	100	60		B9A	TP
				{ 1.4	90	125	12	7.8	100	100			
7308	741 236 410		6.3		100		12	11.5	No Data Available			B9A	TT
7316	641 227 413		6.3		100		11.8	3.1	100		3	B9A	TT
7318	641 227 413		6.3	8.5	250		11.5	2.3	100			B9A	TT
7320	041 230 605		6.3	7.3	250	250	48	11.3	100	100		B9A	P
7355	026 014 350		6.3	15	250	250	70	7.6	100	100		A08	P
7358	125 141 300		6.3		200	200	100	7	100	100		A08	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
7370	641 221 437		20	2	120		36	11.5	100		11.5	B9A	TT
7382	412 300 600		6.3	2	250		1.2	1.6	100		1.6	B7G	T
7408	026 540 310		6.3	12.5	250	250	4.7	4.6	100	100		A08	P
7492	741 226 413		6.3		250			5.5	100			B9A	TT
7498	412 361 500		6.3		250	250		7.5	100	100		B7G	P
7534	*2* 54* 310	A	6.3	15.5	250	150	100	25.0	No Data Available			A08	P
7543	412 365 100		6.3	1.0	250	150	10.8	5.2	100	100	5	B7G	P
7551	145 236 151		13	18	250	250	40	5.3	80	60		B9A	P
7558	145 236 151		6.3	18	250	250	40	5.3	100	100		B9A	P
7561	026 540 310		25		100	100	555	10.5	No Data Available			A08	P
7581	026 540 310		6.3	14	250	250	72	6	100	100		B8A	P
7591	026 514 350		6.3	10	300	300	75	10.2	100	100		A08	P
7607	125 141 300	A1	6.3	17	300	250	80	8	100	100		A08	P
7643	645 237 114		6.3	{ 2	100		14	5	100	60	6	B9A	TP
7683	416 236 156		6.3	{ 2	200	175	10	6.2	100	100		B9A	TP
7687	645 237 114		6.3	{ 8.5	200		7.5	2.5	100	60		B9A	TP
7693	412 365 100		6.3	{ 100	250	150	7.4	4.6	100	100		B7G	P
7694	412 365 100		6.3	{ 80	250	100	9.2	3.6	No Data Available			B7G	P
7695	5** 234 1*6		50	{ 11	130	130	100	11.0	No Data Available			B9A	P
7699	414 226 573		6.3	{ 250			45	10	No Data Available			B9A	PP
7700	265 113 000	G1	6	{ 3	250	100	2	1.2	100	100	1.2	UX6	P
7701	141 236 515		13.6	{ 12.5	250	250	28	3.6	100	100		B9A	P
7716	146 231 457		13.6	{ 1.0	150		1.6	3	100	60	2.5	B9A	TP
7717	412 365 100		6.3	{ 60	200	100	24	9.5	100	100		B7G	P
7719	641 226 413		6.3	{ 1	125	80	10	8	100	80		B7G	P
7721	141 230 615		6.3	{ 10.5	300		4.0	3.5	100		3	B9A	T
7721	141 230 615		6.3	{ 10	200	150	22	35	No Data Available			B9A	P
7722	141 230 615		6.3	{ 1	200	150	34	27	No Data Available			B9A	P
7724	181 239 146		14	{ 3.0	250		0.7	1.0	100		1	B9A	DDT
7728	641 227 413		6.3	{ 2	250		10	5.5	100		4	B9A	TT
7729	641 227 413		6.3	{ 2	250		1.2	1.6	100		1.2	B9A	TT
7731	641 237 114		6.3	{ 1	150		18	8.5	100	60		B9A	TP
7732	412 365 100		6.3	{ 0.95	250	100	10	5.2	100	100		B7G	P
7733	141 223 651		6.3	{ 1	200	125	13	8	100	100		B9A	P
7734	514 236 147		6.3	{ 3	250	175	24	12	No Data Available			B9A	P
7738	642 314 600		6.3	{ 21	150		35	5.4	No Data Available			B9A	TP
7751	026 540 310		6.3	{ 2.0	150	150	5.5	3.2	No Data Available			B7G	T
7752	412 365 100		6	{ 400			12	9.9	No Data Available			B7G	T
7754	5** 234 1*6		6.3	{ 8	100	100	100	14	No Data Available			A08	P
7755	412 365 100		6	{ 2	150	125	5.5	3.5	100	100	3.5	B7G	P
7756	106 052 430		6	{ 150	150	100	11		No Data Available			B9A	P
7757	451 034 510		6.3	{ 40	30	3	2.7		No Data Available			B7G	P
7761	214 607 413		12.6	{ 36	300	300	58	4.3	100	150	4.3	A08	P
7788	141 235 615		6.3	{ 12.5	250	250	45	4.1	100	PenLF 4.0		B9A	P
			6.3	{ 150	150		8.2	5.5	100			B9A	TT
			6.3	{ 150	150		35	50	No Data Available			B9A	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
7803	641 237 410		6.3	1.3	90		15	12.5	No Data Available			B9A	TT
7898	741 236 41*		12	2	250		10	5.5	100		5.5	B9A	TT
8013A	200 300 000	D1	2.5				15		REC		10mA	B4	R
8016	020 000 030	D1	1.2						D			A08	D
8032	125 141 310	A1	13.5	32	200	200	100	7	No Data Available			A08	P
8077	141 23* 651		13.5	2.7	250	150	19	11.5	100	100		B9A	P
8223	741 236 410		6.3	1.5	100		30	20	No Data Available			B9A	TT
8233	615 231 141		6.3	3	150	150	50	45	No Data Available			B9D	P
8255	414 234 444		6.3	1.2	150		12	13	No Data Available			B9A	T
8348	424 236 572		1.6		200	200	30	3.3	100	100		B9A	PP
9001	412 365 100		6	3	250	100	2	1.4	100	100	1.4	B7G	P
9002	612 364 100		6	7	250		6.3	2.2	100		2.2	B7G	T
9003	412 365 100		6	3	250	100	6.7	1.8	100	100	1.8	B7G	P
9004	203 180 000		6.3				5		D			5AA	R
9005	218 330 000		3.6						D			5AA	D
9006	812 380 100		6				5		D			B7G	R
9072	020 000 310	A1/G1	6		300		15	2.5	No Data Available			A08	T
18013	061 231 500	G1	4		200	200	8	5	100	100		B7	P
18014	005 231 600	G1	4		200	200	35	8	100	100		B7	P
18015	061 231 500		21		150	125	8	8.3	125	125	8.3	B7	P
18016	005 231 600		21		150	125	48	9	125	125	9	B7	P
18040	265 104 130		18	3.4	200	200	15	10	100	150	10	B8B	P
18042	541 236 **1		18	1.8	200	100	8.3	8.2	100	100	8	B9A	P
18043	541 236 **1		6	1.8	200	200	8.2	8.2	100	100	8	B9A	P
18045	041 230 651		18	3	200	200	20	11	100	150	10	B9A	P
18046	041 230 651		18	3	200	100	20	11	100	150	10	B9A	P
18048	261 504 130		20	4.8	250	150	16	6.5	100	100		B8D	P
95108	653 420 000		1.2	1	40	40	2.2	1	No Data Available			B5A	P
824476	461 471 230		6	8	250		9	2.6	100		2.6	A08	TT

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
A11A	892 300 000		4				60		REC		20mA	B4	RR
A11B	892 300 000		4				60		REC		20mA	B4	RR
A11C	892 300 000		4				60		REC		20mA	B4	RR
A11D	892 200 000		4				60		REC		20mA	B4	RR
A20B	892 310 000		4				60		D			B5	DD
A23A	809 231 600	G1	4	7	250		4	2	100		2	B7	DDT
A26	264 300 000		15	1.5	90		4.5	1.1	80		1.1	UX4	T
A27D	819 236 500	G1	4	6	250	250	36	9.5	100	150	9.5	B7	DDP
A28	264 300 000		15	1.5	90		7.5	1.1	80		1.1	UX4	T
A30	264 300 000		15	27	200		22	1.0	100		1.0	UX4	T
A30B	642 310 000		4	2	250		10	5.5	200		5.5	B5	T
A30D	642 310 000		4	3.5	200		6	2.4	100		2.4	B5	T
A32	264 300 000		15	3	150		1.5	0.9	150		0.9	UX4	T
A36A	645 231 700	G1	4	{ 2	150		6	1.2	150	60	1.2	B7	TH
				{ 2	200	100	3.5		200	75			
A36B	645 231 700	G1	4	{ 2	100		22	6	100	60	6	B7	TH
				{ 2	250	150	3.5		100	150			
A36C	645 231 700	G1	4	{ 3	100		9	3.8	100	60	5	B7	TH
				{ 2.5	250	100	3.25	2.5	100	100	3		
A40	264 300 000		15	40.5	200		21	1.5	100		1.5	UX4	T
A40	264 310 000		4		100			2	100		2	5AA	T
A40M	254 130 000	A1	4	1.5	200	100	3	2	200	100	3	UX5	P
A40M	542 310 000	A1	4	1.5	200	100	3	2	200	100	2	B5	P
A41	351 220 000	A1/G1	4		250	100		2	100	100		5AA	P
A48	264 300 000		15	4.5	90		4.5	1.1	80		1.1	UX4	T
A50A	542 310 000	A1	4	2	200	100	3	2.3	100	200	2.3	B5	P
A50A	040 231 500	A1	4	2	200	100	3	2.3	100	100	2.3	B7	P
A50B	061 231 500	G1	4	1.5	250	250	6	3.5	200	200	3.5	B7	P
A50M	041 231 500	A1	4	2	200	125	4.5	2.3	100	100	2.3	B7	P
A50M	542 310 000	A1	4	2	250	125	4.5	2.3	100	100	2.3	B5	P
A50N	542 310 000	A1	4	2	250	100	4.2	2.5	200	100	2.5	B5	P
A50N	041 231 500	A1	4	2	250	100	4.2	2.5	200	100	2.5	B7	P
A50P	060 231 500	G1	4	3	250	250	11.5	2	100	150	2	B7	P
A70B	642 310 000	G2	4	25	250	250	36	2.6	100	150		B5	P
A70B	045 231 600		4	25	250	250	36	2.6	100	150	2.6	B7	P
A70C	045 231 600		4	3	250	250	36	9	100	150	9	B7	P
A70D	045 231 600		4	3	250	250	36	9	100	150	9	B7	P
A70D	642 350 000		4	5.8	250	250	36	9.5	100	150	8	B5	P
A70E	045 231 600		4	14	250	275	72	8.5	100	150	8.5	B7	P
A70P	045 231 600		4	14.5	250	250	70		100	150		B7	P
A80A	123 174 560	G1	4	{ 1.8	90		2		100	90	1.3	8SC	O
				{ 8.5	250	75	1.6		200		2.5		
				{ 1.8	90	75	2		100	90	1.3		
A80A	645 231 700	G1	4	{ 8.5	250	75	1.5		100	90	1.5	B7	O
				{ 10	100		5	0.3	100		0.3		
A104	642 300 000		1.1									B4	T
A106	642 300 000		1.4	9	100		2	0.4	100		0.4	UX4	T
A106	642 300 000		1.4	9	100		2	0.4	100		0.4	B4	T
A109	642 300 000		1.3	9	150		2	0.4	100		0.4	B4	T

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
A109	264 300 000		1.4	9	150		2	0.4	100		0.4	UX4	T
A110	264 300 000		1.4	4.5	150		4	0.4	125		0.4	UX4	T
A110	642 300 000		1.4	4.5	150		3	0.4	125		0.4	B4	T
A125	642 300 000		1.2	3	150		0.4	0.4	100		0.4	B4	T
A203	642 300 000		2	30	150		12	1.5	100		1.5	B4	T
A205	642 300 000		2	18	150		7	1.2	100		1.2	B4	T
A206	642 300 000		2	8.5	150		3.8		100		1	B4	T
A209	642 300 000		2	9	150		4	1.0	100		1.0	B4	T
A209	264 300 000		2	9	150		4	1.0	100			UX4	T
A210	364 200 000		2	9	150		3	1.0	100			UX4	T
A210	642 300 000		2	9	150		3	0.9	100		0.9	B4	T
A211	642 300 000		2	2	150		2	1.2	100		1.2	B4	T
A214	642 300 000		2	3	150		4.5	1.3	100		3	B4	T
A225	642 300 000		2	3	150		1	1	100		1	B4	T
A225	364 200 000		2	3	150		1	1	100		1	UX4	T
A235	200 300 000	D1	6				30		REC		15mA	UX4	R
A235	042 300 000	A1	2		150		1.5	0.4	150		0.4	B4	T
A239	230 300 000	D1	5				60		REC		20mA	UX4	R
A241	642 300 000	G2	2	2	20	20	1.2	1	No Data Available			B4	P
A242	265 300 000	G1	2	3	150	75	1.7	0.6	100	75	0.6	UX4	P
A303	264 300 000		3	27	150		3	0.6	100			UX4	T
A306	264 300 000		3	15	150		1.5	0.4	100			UX4	T
A404	642 300 000		4	10	100		4	0.4	100		0.4	B4	T
A406	364 200 000		4	9	100		2	0.4	100			UX4	T
A406	642 300 000		4	9	100		2	0.4	100			B4	T
A408	642 300 000		4	4	150		4	1.5	100		1.5	B4	T
A409	642 300 000		4	9	150		3.5	0.9	100		1.2	B4	T
A409	264 300 000		4	9	150		3.5	0.9	100		0.9	UX4	T
A410	642 300 000		4	3	150		3.5	0.5	100		0.2	B4	T
A410	264 300 000		4	3	150		3.5	0.5	100		1.2	UX4	T
A410N	642 300 000		4	3	150		3.5	0.5	100		0.5	B4	T
A411	642 300 000		4	3	200		6	2.5	150		2.5	B4	T
A414	364 200 000		4	4.5	150		3	2	100		2	UX4	T
A414	642 300 000		4	4.5	150		3	2	100			B4	T
A414K	642 300 000		4	4.5	150		4	2	100		2	B4	T
A415	642 300 000		4	4	150		4	1.5	100		2	B4	T
A416	642 300 000		4	4.5	150		4	2	100		2	B4	T
A420	642 300 000		4	4	150		4	1.5	100		1.5	B4	T
A425	642 300 000		4	2.5	200		0.2	1.2	100		1.2	B4	T
A430	642 300 000		4	3	200		6	2.5	150		2.5	B4	T
A430	042 300 000	A1	4		150		1.5	0.5	150		0.5	B4	T
A430N	642 310 000		4	4.5	250		6.5	3.5	100		3	B5	T
A435	642 300 000		4	1	150		2.1	0.5	150		0.5	B4	T
A440N	642 310 000		4	1.6	200		0.2	2.2	150		2.2	B5	T
A442	542 300 000	A1	4	1	200	100	4	0.7	200	100	0.8	B4	P
A442	254 300 000	A1	4	1	200	100	1	0.4	200	100	0.8	UX4	P
A557	602 310 000	G1	4	8	150		28	2	100		2	B5	T



VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
A577	602 310 000	G1	4	20	250		40	2	100		2	B5	T
A600	642 300 000		6	9	150		4	1.5	100		1.5	UX4	T
A609	642 300 000		6	9	150		4	1.5	100		1.5	B4	T
A609	602 310 000	G1	6	9	150		4	1.5	100			B5	T
A615	642 300 000		6	4.5	150		4	2.4	100		2.4	B4	T
A630	642 300 000		6	1.5	150		0.7	1.5	150		1.5	B4	T
A635	642 300 000		6		150		1.2	1.5	150		1.5	B4	T
A642	542 300 000	A1	6	1	200	100		0.7	200	100	0.7	B4	P
A802	642 310 000		4	3	100		2.5	2.5	100		2.5	B5	T
A819	060 231 500	G1	4		250	250	8	7.5	100	100		B7	P
A863	026 500 310	G1	6	3	250	100	2	1.2	100	100	1.2	A08	P
A901	045 231 600		5		100	100	50	9	No Data Available			B7	P
A1685	026 510 310	G1	6.3	3	150	100	8	3.2	100	100	3.2	A08	P
A1685M	026 510 310	G1	6	3	150	100	8	3.2	100	100	3.2	A08	P
ΔA1714	412 3** 600		6	2.2	150				100		8	B7G	T
A1820	265 004 130		6		250	250	40	10.5	100	150	9	B8B	P
ΔA1834	471 461 230		6	40	100				No Data Available			A08	TT
A1860	502 332 406		2.5	7	200	150	35	6	100	100		B9A	T
A2030N	642 310 000		20	3	200		6	2.3	100		2.3	B5	T
A2040N	642 310 000		20	1.6	200		0.2	3	100		1	B5	T
A2087	8*2 380 100		4.4				5		D			B7G	R
A2118	642 350 000		20	3	200		6	2.3	100		2	B4	T
A2134	412 36* 500		6	7.8	150	150	55	9.5	100	100	9	B7G	P
A2226	*41 23* *51	A1	6.3	12.5	150	150	50	8.5	100	100		B9A	P
A2272	21* *1* *13	D1	6						D			B9G	R
ΔA2293	*1* 234 **6		6.3	23	150				No Data Available			B9A	T
A2426	*2* 54* 310	A1	6.3	13.5	150	150	50	8	No Data Available			A08	P
A2521	414 464 234		6.3	1	150		15	15	No Data Available			B9A	T
A2599	411 231 146		6.3	1	150		16	15	No Data Available			B9A	T
A2637	120 040 300	A1	6.3	7.0	20		1.0	0.6	No Data Available			A08	T
A2674	211 403 506		6.3	1.4	200	150	23	30	No Data Available			B9A	P
A2688	412 314 600		6.3	1	100		12	11.5	No Data Available			B7G	T
A2738	*26 541 310		6.3	19	250	200	50	10	100	100		A08	P
A2744	414 464 234		6.3	1	150		16	15	No Data Available			B9A	T
A2792	*4* 23* 1**	A1	6.3	1.7	400		1	2.5	100		2.5	A08	T
A2900	741 226 413		6.3	2	250		10.5	6.2	100		6.2	B9A	TT
A2913	413 214 600		6.3		200		15.5	14	No Data Available			B9A	T
A3042	*41 23* *51	A1	6.3	12.5	150	150	50	8.5	No Data Available			B9A	P
A3064	412 361 500		6.3	1.6	250	250	10	7.6	100	100		B7G	P
A4090	642 310 000		4	3.5	250		6	2.4	150		2.4	B5	T
A4110	642 310 000		4	3.5	250		6	2.4	100		2.5	B5	T
AA61	274 164 130		6	5.2	250		6	2.7	100		2.7	B8A	TT
AA91E	182 310 900		6.3				5		D			B7G	DD
AAB1	023 1†0 980		4						D			8SC	DDD
AB1	902 310 000	D1	4						D			B5	DD
ABC1	023 198 060	G1	4	7	250		4	2	100		2	8SC	DDT
ABC91	412 389 600		6	2	250		1.2	1.6	100		1.4	B7G	DDT

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
ABL1	023 198 560	G1	4	6	250	250	36	9	100	150	9.0	8SC	DDP
AC/042	642 300 000		2	38	300		50	5	100		5	B5	T
AC/044	642 300 000		4	38	300		50	5	100		5	B4	T
AC/054	642 300 000		4	22	250		48	3.5	No Data Available			B4	T
AC/064	642 300 000		4	21	200		20	3	100		3	B4	T
AC084	642 300 000		4	22	300		17	1.1	100		1.1	B4	T
AC084N	642 300 000		4		100		21	2.5	100		2.5	B4	T
AC701	621 300 000	G1	4	1.6	60		2.6	2.8	60		2.8	B5A	T
AC2	023 100 060	G1	4	5.5	250		6	2.5	100		2.5	8SC	T
AC2DD	869 231 500	G1	4	5	250	250	32		100	150		B7	DDP
AC2/HL	642 310 000		4	1.2	250		2.5	6.5	100		5	B5	T
AC2/Pen	045 231 600		4	5.3	250	250	32	8.5	100	150	8	B7	P
AC2/PenDD	869 231 500	G1	4	5.3	250	250	32	8.5	100	150	8	B7	DDP
AC3Pen	045 231 600		4	3	250	250	36	9	100	150	9	B7	P
AC4/Pen	045 231 600		4(5)	7	250	250	56	11	100	100	10	B7	P
AC5/Pen	045 213 600		4	8.5	250	250	40	9.4	100	150	9.9	B7	P
AC5/PenDD	869 231 500	G1	4(5)	8.5	250	250	40	9.4	100	150	9.4	B7	DDP
AC6/Pen	045 231 000	A1	4(5)	6.9	300	225	63	9.5	100	100	8.5	B7	P
AC101	602 310 000	G1	4	5.5	250		7	2.7	100			B5	T
AC104	642 310 000		4	10	150		8.5	3.5	100		3.5	B5	T
AC701	103 060 020	G1	4	1.6	40		0.5	0.7	No Data Available			B8D	T
ACD	802 310 000		4						D			B5	D
ACDD	892 310 000		4						D			B5	DD
AC/DDT	809 231 600	G1	4	4	200		5	2.3	100		2.3	B7	DDT
AC/DX	642 310 000		4	3	200		5	3.5	100		3.5	B5	T
AC/G	642 310 000		4	7.5	200		8	2.7	100		2.7	B5	T
ACH1	174 652 300	G1	4	{ 2	150		5	2	100	60	2	C7	TH
				2	150	75	2.5		80	75			
ACHL4	642 310 000		4	5	250		5	3.3	100		3.3	B5	T
ACHF	642 310 000		4	3	200		3	2.5	100		2.5	B5	T
ACHL	642 310 000		4	2.5	200		7	2	100		3.5	B5	T
AC/HLDD	809 231 600	G1	4	3	200		4.9	2.6	100		2.6	B7	DDT
ACHLDD	970 231 680	G1	4	3	200		4.9	2.6	100		2.7	B9	DDDT
ACHL4DD	809 231 600	G1	4	3	250		7	2.5	100		2.5	B7	DDT
ACHM4	542 310 000	A1	4		250	100	10	2.5	100	100	2.5	B5	P
AC/HP	041 231 500	A1	4	1.5	200	100	4.2	3.2	100	100	3.2	B7	P
AC/HP	543 210 000	A1	4	1.5	200	100	4.2	3.2	100	100	3.2	B5	P
ACHVP	542 310 000	A1	4	2	200	100	3	2.3	100	100	2.3	B5	P
ACH4	642 310 000		4	4	200		3	3.3	100		3.3	B5	T
AC/L	642 310 000		4	13.5	200		17	4.25	100		4.25	B5	T
ACL4	642 310 000		4	15	250		9	4	100		4	B5	T
AC/LP	642 310 000		4	14	200	18	4.25		100		4.25	B5	T
ACME4	642 310 000	G2	4	16	250	250	26		100	150		B5	P
ACP	642 300 000		4	21	200		19	3	100		3	B4	T
AC/P	642 310 000		4	13.5	200		17	2.7	100		2.7	B5	T
ACP1	642 310 000		4	28	200		24	2.3	100		2.3	B5	T
ACP/4	042 310 000	A1	4	1	100		20	7	100		7	B5	T

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE		
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V				
ACP/4	642 310 000		4	20	250		20	4	100		4	B5	T		
ACPN	642 350 000		4	12	250	200	22		100	150		B5	P		
ACPNDH	642 350 000		4	10	250	200	18		100	150		B5	P		
AC/PP	642 300 000		4	25	400		50	5	100		5	B4	T		
ACPP	045 231 600		4	5.5	250	250	32		100	100		B7	P		
AC/Pen	045 231 600		4	15.5	250	250	32	2.7	100	100	2.5	B7	P		
AC/Pen	642 310 000	G2	4	12	200	200	24	2.5	100	100	2.5	B5	P		
ACPT	642 310 000	G2	4	8	250	200	31		100	150		B5	P		
ACPX4	642 310 000		4	18	250		30	4	100		4	B5	T		
ACPX4A	642 300 000		4	25	250		50	5	100		5	B4	T		
ACQ	045 231 600		4	22	400	250	57	6	100	150	6	B7	P		
ACQA	045 231 600		6	23	400	250		6	100	150	6	B7	P		
AC/S1VM	542 310 000	A1	4	1.4	200	75	5.6	1.1	200	75	1.1	B5	P		
AC/S2	542 310 000	A1	4	1	200	60	6	3.4	200	60	3.4	B5	P		
AC/S2Pen	041 231 500	A1	4	1.5	250	100	8	4.6	200	100	5.5	B7	P		
AC/SG	542 310 000	A1	4	1.5	200	60	4.5	1.9	200	60	1.9	B5	P		
AC/SGVM	542 310 000	A1	4	2	200	60	5.8	2.0	200	60	2	B5	P		
AC/SH	542 310 000	A1	4	1.5	200	75	7.4	2.5	200	75	3.5	B5	P		
AC/SL	041 230 500	A1	4	1	200	75	3.8	2	200	75	2	B7	P		
AC/SL	061 230 500	G1	4	1	200	75	3.8	3.3	200	75	3.3	B7	P		
ACSP1	041 231 500	A1	4	3	200	200	4.9	2.7	100	150	2.7	B7	P		
ACSP3	061 231 500	G1	4	1.5	250	100	9	7.5	200	100	7.5	B7	P		
AC/SP3/RH	061 231 500	G1	4	1.5	250	100		7.5	100	100		B7	P		
ACTH1	645 231 700	G1	4	{ 2.7	75		6	3	100	60	3.5	B7	TH		
				{ 3	250	100	3	3.5	250	100	3.8				
				{ 3	75		6	3	100	60	3.5			MO8	TH
ACTH1A	271 640 530	G1	4	{ 3	250	100	3	3.5	100	100	3.5				
ACTP	571 231 640	G1	4	{ 3	150		1.5	1.4	100	60	1.4	B9	TP		
				{ 5	250	200	5.5	1.6	250	200	3.4				
ACVG	542 310 000	A1	4		200	75	5	3	200	75	3	B5	P		
ACVH	542 310 000	A1	4	1.5	200	75	9.3	2.7	200	75	3.3	B5	P		
AC/VP	041 231 500	A1	4	1.5	200	100	5.7	2.5	200	100	3	B7	P		
AC/VP	542 310 000	A1	4	1.5	200	100	5.7	2.5	200	100	3	B5	P		
ACVPB	061 231 500	G1	4	1.5	250	150	12	4	250	200	4	B7	P		
AC/VP1	041 231 500	A1	4	2.8	250	200	7.4	2	100	150	2	B7	P		
AC/VP2	061 231 500	G1	4	2.8	250	100	7.4	2	100	150	2	B7	P		
ACVP4	041 231 500	A1	4		250	100	6	3	100	100	3	B7	P		
ACVS	542 310 000	A1	4	1.5	200	75	4.4	2	200	75	3	B5	P		
ACVS4	542 310 000	A1	4	2	250	50	6	2	200	60	2	B5	P		
AC/Y	045 231 600		4	10	250	250	32	3.5	100	100	3.5	B7	P		
AC/Y	642 310 000	G2	4	10	250	250	32	3.5	100	100	3.5	B5	P		
AC/YC	045 231 600		4	10	250	250	68	7.5	100	150	7.5	B7	P		
AC/YY	045 231 600		4	10	250	250	68	7.5	100	150	7.5	B7	P		
AC/Z	642 310 000	G2	4	5.5	250	250	32	7.5	100	150	8	B5	P		
AC/Z	045 231 600		4	5.5	250	250	32	7.5	100	150	8	B7	P		
AC/ZDD	869 231 500	G1	4	5.5	250	250	32	8	100	150	8	B7	DDP		
AD	281 300 000		6.3				30		REC		15mA	UX4	R		

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
AD1	023 004 060		4	45	250		60	6	100		6	8SC	T
AD1/350	023 004 060		4	66	400		42		100			8SC	T
AD1N	023 004 060		4		300		60		100			F8	T
AD101	642 310 000		4	26.5	250		40	4.6	100			B5	T
ADG	642 310 000		20	10	200		10	3.5	100		3.5	B5	T
ADHF	642 310 000		20	3	200		5	3.5	100		3.5	B5	T
ADHP	041 231 500	A1	20		200	100	5	2.8	200	100	2.8	B7	P
ADL	652 310 000		20	13	200		20	3	100		3	B5	T
ADPN	642 350 000		20	15	250	200	22		100	150		B5	P
ADVHP	041 231 500	A1	20		200	100	5.5	2.5	200	100	2.5	B7	P
AE	265 413 000		13	13.5	100	100	8.5	1.6	100	90	1.6	UX6	P
AF	281 300 000		2.5				120		REC		20mA	UX4	R
AF2	542 310 000	A1	4	2	200	100	4.2	2.5	200	100	3.2	B5	P
AF3	023 110 560	G1	4	3	250	100	8	1.8	250	100	1.8	8SC	P
AF7	023 110 560	G1	4	2	250	100	3	2.1	250	100	2.1	8SC	P
AF8	026 546 310		6	2	200	50	3.5		100	60		A08	O
AG	289 300 000		5				120		REC		20mA	UX4	RR
AG495	642 310 000		4	4	200		4	2.5	100		2.5	B5	T
AG4100	642 300 000		4	3	150		5	2	125		2	B4	T
AH1	023 145 560	G1	4	2	250	75	3	1.8	200	75	1.8	8SC	P
AH100	023 145 560	G1	4	2.5	200	100	5.5	1.5	100	100	1.5	8SC	P
AH4105	542 310 000	A1	4	2	200	125	4.5	2.3	100	100	2.3	B5	P
AK2	123 164 570	G1	4	{ 2	100	75	4.2	0.9	80	75	0.9	8SC	O
AL1	023 004 560		4	2	250	75	4.5	2.2	100	75	2	8SC	P
AL2	023 100 560	G1	4	15	250	250	36	2.8	100	150	2.8	8SC	P
AL2	023 100 560	G1	4	25	250	250	36	2.6	100	150	2.6	8SC	P
AL2/375	023 100 560	G1	4	25	250	250	36	2.6	100	150	2.6	8SC	P
AL3	245 231 600		4	3	250	250	36	9	100	150	9	B7	P
AL3	023 104 560		4	6.5	250	250	36	9.5	100	150	8	8SC	P
AL4	145 231 600		4	3	250	250	36	9	100	150	9.5	B7	P
AL4	023 104 560		4	6.5	250	250	36	9.5	100	150	8	8SC	P
AL4/375	145 231 600		4	6	250	250	34	9.5	100	150	8	B7	P
AL4/375	023 104 560		4	6	250	250	34	9.5	100	150	8	8SC	P
AL5	145 231 600		4	14	250	250	72	8.5	100	150	7	B7	P
AL5/375	023 104 560		4	14	250	275	72	8.5	100	150	6	8SC	P
AL60	041 231 500	A1	4(5)	7	250	250	72	14.5	100	150	8.5	B7	P
AL60	502 331 460		2.4	7	200	150	35	6	100	100		B8D	P
AL495	642 310 000		4	12	250		30	4	100		4	B5	T
AL860	502 331 406		4.8	7	200	150	35	6	100	100		B9A	P
AMOE	045 231 600		4	14	250	250	72	9	100	150	8	B7	P
AN4092	642 310 000	D1	4	3.5	200		6	2	100		2	B5	DT
APP4A	045 231 600		4	16.5	250	250	36	3.5	100	150	3.5	B7	P
APP4AS	023 100 560	G1	4	16.5	250	250	36	3.5	100	150	3.5	8SC	P
APP4B	045 231 600		4	5	250	250	32	10	100	150	10	B7	P
APP4BS	023 104 560		4	5	250	250	32	10	100	150	10	8SC	P
APP4G	041 231 500	A1	4	6	250	250	36	10	100	100		B7	P
AP495	642 310 000		4	1.5	200		2.5	5	150		5	B5	T

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
APP4C	145 231 600	4(5)	5	250	250	36	10	100	150	10	B7	P	
APP4D	145 231 600		4	16	250	250	72	7	100	150	7	B7	P
APP4E	145 231 600		4(5)	13.5	350	275	72	8.5	100	150	8.5	B7	P
APP4E	023 104 560		4(5)	13.5	350	275	72	8.5	100	150	8.5	8SC	P
APP4G	061 231 500	G1	4(5)	6	250	250	36	10	100	150	10	B7	P
APP4G	005 231 600	G1	4(5)	6	250	250	36	10	100	150	10	B7	P
APP495	642 350 000		4	23	300	200	25	2	100	100	2	B5	P
APP4100	642 310 000	G2	4	15	250	250	24	2.5	100	150	2.5	B5	P
APP4120	642 310 000	G2	4	15	350	200	22	3.5	100	100	3.5	B5	P
APV4	892 300 000		4				60		REC		20mA	B4	RR
APV4100	892 300 000		4				60		REC		20mA	B4	RR
APV4200	892 300 000		4				60		REC		20mA	B4	RR
AR495	642 310 000		4	1	100			5	100		5	B5	T
AR4100	642 310 000		4	3	200		3	2	150		2	B5	T
AR4101	642 310 000		4	1	100			3	100		3	B5	T
AS494	542 310 000	A1	4		200	100	15	1.5	100	100	1.5	B5	P
AS495	542 310 000	A1	4	2	200	100	1	3.4	200	100	3.4	B5	P
AS4100	542 310 000	A1	4	6	200	100	4	1.4	100	90	1.4	B5	P
AS4120	542 310 000	A1	4	2	200	100	3	3	150	100	3	B5	P
AS4125	542 310 000	A1	4	2	250	100	3	3	200	100	3	B4	P
AV11	200 300 000	D1	2.5						REC			UX4	R
AX	264 300 000		5	9	150		3	0.8	100		0.8	UX4	T
AX1	892 300 000		4				60		REC		20mA	B4	RR
AX50	892 300 000		4				120		REC		30mA	B4	RR
AZ1	023 080 090		4				30		REC		20mA	8SC	RR
AZ2	023 080 090		4				60		REC		20mA	8SC	RR
AZ3	023 180 090		4				60		REC		20mA	8SC	RR
AZ4	023 080 090		4(5)				60		REC		30mA	8SC	RR
AZ11	902 300 080		4				60		REC		20mA	F8	RR
AZ12	902 300 080		4(5)				60		REC		20mA	F8	RR
AZ21	288 039 920		2				30		REC		17mA	A08	RR
AZ31	020 809 030		4				30		REC		20mA	A08	RR
AZ32	020 809 030		4				60		REC		20mA	A08	RR
AZ33	028 090 300		4				60		REC		20mA	A08	RR
AZ41	*8* **9 230		4				30		REC		10mA	B8A	RR
AZ50	023 080 090		4(5)				120		REC		30mA	8SC	RR
AZ50	892 300 000		4(5)				120		REC		30mA	B4	RR
B2	642 300 000		2	2	150		2	1.2	100		1.2	B4	T
B7	642 300 000		6		150		8	0.67	100		0.67	B4	T
B11	642 300 000		6		200		20	1.4	100		1.4	B4	T
B21	447 230 600		2	3	150		5.0	1.5	100		2.1	B7	TT
B22	446 230 700		2		150		5		150			B7	TT
B23	642 300 000		2		150		4	0.75	100		0.75	B4	T
B24	446 230 700		2	0	150		7		100			B7	TT
B30	461 237 400		13	0	200		30		100			B7	TT
B36	471 461 230		13	8	250		9	2.6	100		2.6	A08	TT
B63	264 147 300		6	5	250		6	3.1	200		3.1	UX7	TT

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
B65	471 461 230		6	8	250		9	2.6	100		2.6	A08	TT
B105	264 300 000		1.4	18	150		8	1.0	100			UX4	T
B105	642 300 000		1.4	18	150		8	1.0	100			B4	T
B109	741 236 410		26	1.5	200		10	6.2	100		6	B9A	TT
B152	741 226 413		6	2	250		10.0	5.5	200		5	B9A	TT
B203	642 300 000		2	26	150		11	1.5	100		1.5	B4	T
B204	264 300 000		2	22.5	125		8	0.9	100		0.9	UX4	T
B205	642 300 000		2	18	150		7	1.2	100		1.2	B4	T
B205	264 300 000		2	18	150		7	1.2	100		1.2	UX4	T
B217	642 300 000		4.5	4.5	150		3	1.3	100		1.3	B4	T
B217	264 300 000		2	4.5	150		3	1.3	100		3	UX4	T
B228	264 300 000		2	2	150		2	1.2	100		1.2	B4	T
B230	446 230 700		2	1	150		5.5		150			B7	TT
B240	264 473 000		2		150		15			No Data Available		UX6	TT
B242	542 300 000	A	2	0	200	75	4.5	1.1	100	75	1.1	B4	P
B242	254 300 000	A	2	0	200	75	4.5	1.1	100	75	1.1	UX4	P
B255	542 300 000	A	2	1	150	100	1.8	1.2	150	100	1.2	B4	P
B255	254 300 000	A	2	1	150	100	1.8	1.2	150	100	1.2	UX4	P
B262	542 300 000	A	2	1	150	100	1.8	1.3	150	100	1.3	B4	P
B262	265 300 000	G1	2	1	150	100	1.8	1.3	150	100	1.3	UX4	P
B309	741 226 413		6	2	250		10	5.5	100	100	5	B9A	TT
B319	147 234 116		7.5	1.5	90		12	6	100		6	B9A	TT
B329	741 226 413		6	8.5	250		10.5	2.2	100		2.2	B9A	TT
B339	741 226 413		6	2	250		1.2	1.6	150		1.6	B9A	T
B342	265 300 000	G1	2	2.5	150	75	4	1.3	150	75	1.3	UX4	P
B349	147 234 116		7	1.2	90		15	9	80		9	B9A	TT
B403	642 300 000		4	30	150		15	1.5	100		1.5	B4	T
B403	264 300 000		4	30	150		15	1.5	100		1.2	UX4	T
B405	642 300 000		4	18	150		11	1.6	100		1.6	B4	T
B405	264 300 000		4	18	150		11	1.6	100		1.4	UX4	T
B406	642 300 000		4	15	150		8	1.4	100		1.4	B4	T
B406	264 300 000		4	15	150		8	1.3	100		1.3	UX4	T
B409	642 300 000		4	16	250		12	2	100		2	B4	T
B409	264 300 000		4	16	250		12	2	100		2	UX4	T
B415	264 300 000		4	4.5	150		3	2	100		2	UX4	T
B424	642 300 000		4	2.3	200		6	2.5	150		2.5	B4	T
B424	264 300 000		4	2.3	200		6	2.5	150		2.5	UX4	T
B424S	642 300 000		4	3	200		6	2.5	100		2.5	B4	T
B425	642 300 000		4	4.5	150		3	2	100		2	B4	T
B425	264 300 000		4	4.5	150		3	2	100		2	UX4	T
B435N	642 310 000	D1	4	3.5	200		6	2	100		2	B5	DT
B438	642 300 000		4	2.5	200		0.2	2	150		2	B4	T
B438	264 300 000		4	2.5	200		0.2	2	150		2	UX4	T
B438S	642 300 000		4	1.5	200		2	2	150		2	B4	T
B442	542 300 000	A1	4	1	200	100	4.5	0.9	200	100	0.9	B4	P
B442M	542 300 000	A1	4	1	200	100	4.5	0.9	100	100	0.9	B4	P
B442M	254 300 000	A1	4	1	200	100	4.5	0.9	100	100	0.9	UX4	P
B442S	542 300 000	A1	4	1	200	100	4.5	0.91	100	100	0.9	B4	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
B443	642 350 000		7	17	200	150	12	1.2	100	150	1.2	B5	P
B443	264 300 000	G2	4	17	200	150	12	1.2	100	150	1.2	UX4	P
B443S	642 350 000		4	12	250	75	12	1.6	100	60	1.6	B5	P
B443S	642 300 000	G2	4	12	250	75	12	1.6	100	60	1.6	B4	P
B443S	264 300 000	G2	4	12	250	75	12	1.6	100	60	1.6	UX4	P
B491	642 310 000		4	1.5	200		4	4	150		4	B4	T
B543	642 350 000		5	15	200	150	13	1.3	150	100	1.3	B5	P
B543	264 300 000	G2	5	15	200	150	12	1.3	150	100	1.4	UX4	P
B543	642 300 000	G2	5	15	200	150	12	1.3	150	100	1.3	B4	P
B543S	642 350 000		5	15	200	150	12	1.3	150	100	1.3	B5	P
B605	642 300 000		6	18	150		9	1.8	100		1.8	B4	T
B605	264 300 000		6	18	150		9	1.8	100	100	1.8	UX4	T
B609	642 300 000		6	18	250		12	1.8	100		1.8	B4	T
B719	741 236 410		6	2	250		10	6	250		6	B9A	TT
B729	741 236 410		6.3		200		10	3.4	100		3.5	B9A	TT
B2006	642 310 000		20	18	200		15	1.6	100		1.6	B5	T
B2038	642 310 000		20	3	200		6	2.3	100		2.3	B5	T
B2041	602 300 000	G1	20	1	100		2.5	0.1	100		0.1	B4	T
B2042	542 310 000	A1	20	2	200	60	4	1	100	60	1	B5	P
B2043	642 310 000	G2	20	18	200	200	20	1.7	100	100	1.7	B5	P
B2044	218 004 530		20	4	200	60	0.7	2.8	100	60		A08	P
B2044S	642 310 000	D1	20	3	200		6	1.8	100		1.8	B5	DT
B2045	542 310 000	A1	20	2	200	60	4	1	150	60	1	B5	P
B2046	542 310 000	A1	20	2	200	100	3	2.2	150	100	2.2	B5	P
B2047	542 310 000	A1	20	2	200	100	4	2	150	100	2	B5	P
B2052T	542 310 000	A1	20	2	200	100	3	2	150	100	2	B5	P
B2055	542 310 000	A1	20	1.5	200	100	3	2	100	100	2	B5	P
B2099	642 310 000		20	1.6	200		0.2	3	150		3	B5	T
BA2	446 230 700		2		150		1.5		150			B7	TT
BB1	902 310 000	D1	16						D			B5	DD
BB220A	446 230 700		2	3	150		4		100			B7	TT
BB240	446 230 700		2	6	150		2.2		100			B7	TT
BBC12	682 390 000	G1	2	4.5	150		2.5	1.5	100		1.5	B5	DDT
BCH1	465 231 700	G1	24	2	100		5	1.2	100	60	1.2	B7	TP
BF1	642 300 000		4		15	150	50	1.3	0.7	100	60		
BF61	261 054 130		6	7	250	250	36	10	100	150	8	B8A	P
BF62	261 054 130		6	10	250	250	26	3.2	100	150	3.2	B8A	P
BF451	261 054 130		45	9	200	175	54.5	9.5	100	100	7	B8A	P
BHP61	023 010 560	G1	2	0.5	150	125	2.5	0.7	125	125	0.7	8SC	P
BL2	652 310 000	G1	30	20	200	100	40	3	100	90	3	B5	P
BL63	027 146 310	G1	6	16	250		14	4.2	100		4.2	A08	TT
BLP61	023 004 560		2		150	150	7	2.7	100	100		8SC	P
BM968	200 300 000	D1	2.5				60		REC		35mA	UX4	R
BPM04	412 365 400		6.3	12.5	250	250	45	4.1	100	150	4	B7G	P
BW3	642 350 000		2	4.5	150	125	6	2.2	100	100	2.2	B5	P
BW602	642 300 000		2	12	150		12	3.4	100		3.4	B4	T
BW1304	642 300 000		2	6	150		6	3.2	100		3.2	B4	T

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
BX2	446 230 700		2		200		2.5		100			B7	TT
BX604	642 300 000		2	12	150		8	1.5	100		1.5	B4	T
C3A	261 504 130		6.3		250	150	16	6.5	100	100		B8G	P
C3G	261 504 130		6.3	1.8	200	150	13	14	No Data Available			A08	P
C3G	216 514 130		6.3	1.8	250	150	13	13.5	100	100		B8B	P
C3G	802 362 450		6.3	1.8	200	150	13	14	No Data Available			F8	DP
C3M	261 504 130		20	4.5	250	150	15.0	6.0	100	100	5.2	B8B	P
C9	642 300 000		4	9	150		3.5	0.9	100		0.9	B4	T
C10B	023 100 080		20				75		REC		23mA	8SC	R
C10B	802 310 000		20				60		REC		23mA	B5	R
C20C	892 310 000		13						D			B5	DD
C23B	809 231 600	G1	13	5	200		4	2	100		2	B7	DDT
C25	642 300 000		4	2.5	200		2.3	1.2	150		1.2	B4	T
C30	261 504 130		6.3	4.5	250	150	15	6	100	100		B8B	P
C30B	000 231 600	G1	13	4	200		4	3.2	150		3.2	B7	T
C36A	645 231 740		21	1.5	100		4	2	100	60	1.2	B9	TH
					250	75	3		100	75			
C36B	645 231 700	G1	29		100		4	2	100	60	1.2		
				250	150	3.4		200	75	3			
C36C	645 231 740		29	2.5	100		4	2	100	60	1.2	B9	TH
					250	75	3	3.5	100	75			
C50B	061 231 500	G1	12	2.2	200	200	2.5	2.8	100	150	2.8	B7	P
C50N	061 231 500	G1	13	2	200	200	9.5	2	100	150	2	B7	P
C70D	023 110 560	G1	33	8.5	200	200	45	8	100	150	7	8SC	P
C70D	045 231 600		35	8.5	200	200	45	8	100	150	7	B7	P
C80B	123 154 560	G1	13	1.5	200	90	1.9		150	75		8SC	O
C109	642 300 000		1	9	150		3.5	0.5	100		0.5	B4	T
C125	642 300 000		1	3	150		0.7	0.8	125		0.8	B4	T
C135	042 300 000	A1	1.4		150		1.5	1	100		1	B4	T
C142	542 300 000	A1	1	1.5	150	75	1.7	0.8	100	75	0.8	B4	P
C144	245 134 200	A1A2	6.3	15	300	200	40	9	No Data Available			B7A	PP
C180	245 134 200	A1A2	6.3	20	300	250	55	3.5	No Data Available			B7A	PP
C243	642 350 000		2	15	150	150	17	1.5	100	100	1.5	B5	P
C243N	642 350 000		2	4.5	150	125	6	3.2	150	100	2.2	B5	P
C243N	264 530 000		2	4.5	150	125	6	2.2	150	100	2.2	UX5	P
C405	642 300 000		4	32	250		20	1.9	100		1.9	B4	T
C405	264 300 000		4	32	250		20	1.9	100		1.9	UX4	T
C408	642 300 000		4	7	150		14	2.9	100		2.9	B4	T
C443	642 350 000		4	25	300	200	20	1.7	100	150	1.7	B5	P
C443N	642 350 000		4	42	300	200	20	1.5	100	150	1.5	B5	P
C443N/S	642 350 000		4	20	300	150	20	1.5	100	100	1.5	B5	P
C453	642 350 000		4	25	300	200	20	1.7	100	150	1.7	B5	P
C508	264 300 000		5	9	150		6.2	1.7	100		1.7	UX4	T
C509A	642 300 000		5	10	150		10	1	100		1	B4	T
C543	642 350 000		4	1	100	150		2	100	150	2	B5	P
C603	642 300 000		6	40	200		20	1.7	100		1.7	B4	T
C606	642 300 000		6	27	250		20	3.3	100		3.5	B4	T
C643	642 350 000		6	21	300	200	20	1.5	100	150	1.5	B5	P



VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
CB215	446 230 700		2	1	150		15	1.7	100		1.7	B7	TT
CB215S	023 064 470		2	1	150		12	1.7	100		1.7	8SC	TT
CB220	446 230 700		2	3	150		15		100			B7	TT
CBC1	023 198 060	G1	13	7	250		4	2	100		2	8SC	DDT
CBL1	023 189 560	G1	44	8.5	200	200	45	8	100	150	7	8SC	DDP
CBL6	023 198 560	G1	44	8	100	100	45	6	100	75	6	8SC	DDP
CBL31	026 985 310	G1	44	8.5	200	200	45	8	100	150	7	A08	DDP
CC1	023 100 060	G1	13	3.7	200		2.6	2	150		2	8SC	T
CC2	023 100 060	G1	13	5.5	250		6	2.5	200		2.5	8SC	T
CC81E	641 227 413		6.3	0.6	250		10	5.5	100		5.5	B9A	TT
CC82E	641 227 413		6.3	8.5	250		10.5	2.2	100		2.5	B9A	TT
CC86E	641 227 413		6.3	9.3	250		14.5	5.2	100		6	B9A	TT
CCa	741 226 413		6.3		100		15	12	No Data Available			B9A	TT
CCH1	023 156 470	G1	20	10 2	200		2.5	2.3	100	60	2.3	8SC	TH
					200	50	2		100	60			
CCH2	023 164 570	G1	29	10 2	200		2.5	2.3	100	60	2.3	8SC	TH
					200	75	2		100	75			
CCH35	027 546 310	G1	7.5	2 2	100		5.4	2.2	100	60	2.8	A08	TH
					250	100	5	2.4	200	100	4		
CE230	320 200 000	D1	2.5				30		REC		15mA	UX4	R
CF1	023 110 560	G1	13	2	200	100	3	2.3	100	100	2.3	8SC	P
CF2	023 110 560	G1	13	2	200	100	4.5	2.2	100	100	2.2	8SC	P
CF3	023 110 560	G1	13	2	100	75	7.5	2.1	100	75	2.1	8SC	P
CF7	023 110 560	G1	13	2	100	100	3	2.1	100	100	2.1	8SC	P
CF50	123 100 560	G1	30	2	200	100	1.5	3.3	100	100	3.3	8SC	P
CF51	123 100 560	G1	30	2	250	100	1.7	3.3	100	100		8SC	P
CF61	276 454 130		6	2 2	100		5	2.2	100	60	2.8	B8A	TH
					250	100	3	2	100	100	2.4		
CF141	276 454 130		14	2 2	100		6.4	2.2	100	60	2.8	B8A	TH
					200	90	2.7	1.5	100	75	1.5		
CH1	023 145 560	G1	13	2	250	75	3	1.8	200	75	1.8	8SC	P
CK1	023 154 560	G1	13	1.5	200	90	8	3	200	75	1.6	8SC	P
CK3	023 154 560	G1	19	15	200	100	2.5		No Data Available			8SC	O
CK108	265 113 000	G1	6.3	3	250	100	2.3	1.2	100	100		UX6	P
CK507AX	653 420 000		1.2	2	40	40	0.9	0.6	No Data Available			B5A	P
CK509AX	634 200 000		0.62		40		0.1	0.1	No Data Available			B5A	T
CK515BX	634 200 000		0.62		40		0.1	0.1	No Data Available			B5A	T
CK518AX	653 420 000		1.2	2	40		0.8	0.5	No Data Available			B5A	T
CK520AX	653 420 000		0.62	2.5	40	40	0.2	0.1	No Data Available			B5A	P
CK521AX	653 420 000		1.2	3	20	20	0.6	0.4	No Data Available			B5A	P
CK523AX	653 420 000		1.2	1.2	20	20	0.3	0.3	No Data Available			B5A	P
CK524AX	653 420 000		1.2	1.7	20	20	0.4	0.3	No Data Available			B5A	P
CK525AX	653 420 000		1.2	1.2	20	20	0.2	0.3	No Data Available			B5A	P
CK526AX	653 420 000		1.2	1.5	20	20	0.5	0.4	No Data Available			B5A	P
CK527AX	653 420 000		1.2		20	20	0.1	0.2	No Data Available			B5A	P
CK528AX	653 420 000		1.2	1.2	40	40	0.7	0.6	No Data Available			B5A	P
CK529AX	653 420 000		1.2	1.2	20	20	0.3	0.3	No Data Available			B5A	P
CK531DX	653 420 000		1.2	1.5	20	20	0.3	0.2	No Data Available			B5A	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
CK532DX	653 420 000		1.2		20	20	0.4	0.4	No Data Available	B5A	P		
CK533AX	653 420 000		1.2		20	20	0.4	0.4	No Data Available	B5A	P		
CK535AX	653 420 000		1.2	1.2	20	20	0.3	0.3	No Data Available	B5A	P		
CK536AX	653 420 000		1.2		20	20	0.3	0.4	No Data Available	B5A	P		
CK537AX	653 420 000		1.2	1.5	20	20	0.5	0.4	No Data Available	B5A	P		
CK539AX	653 420 000		1.2	1.4	20	20	0.2	0.3	No Data Available	B5A	P		
CK541DX	653 420 000		1.2		30	30	0.2	0.4	No Data Available	B5A	P		
CK542DX	653 420 000		1.2	2	20	20	0.4	0.3	No Data Available	B5A	P		
CK542DXS	653 420 000		1.2	2	20	20	0.4	0.3	No Data Available	B5A	P		
CK544DX	653 420 000		1.2		30	30	0.1	0.3	No Data Available	B5A	P		
CK545DX	653 420 000		0.6	0.6	20	20			No Data Available	B5A	P		
CK546	653 420 000		1.2		20	20	0.4	0.4	No Data Available	B5A	P		
CK547DX	653 420 000		1.2		30	30	0.2	0.4	No Data Available	B5A	P		
CK1002	008 090 010		6				30	3kΩ	No Data Available	A08	CCR		
CK1005	008 092 030		6.3				30		REC 15mA	A08	RR		
CK1006	289 300 000		2				60		REC 20mA	UX4	RR		
CK1007	008 092 030		1				60		REC 20mA	A08	RR		
CK1012	289 300 000		2				120		REC 30mA	UX4	RR		
CK1024	008 090 010		6				60	3kΩ	No Data Available	A08	CCR		
CK1028	202 322 300	D1	6				60		REC 20mA	B7G	R		
CK1091	200 800 300		1.4						D	B7G	D		
CK1216	672 344 100		6.3		100		5	3.4	100	3.4	B7G	TT	
CK5608	264 147 300		2.5	6	200		6	2.4	100	2.4	UX7	TT	
CK5608A	264 147 300		2.5	6	300		6	2.4	100	2.4	UX7	TT	
CK5639	412 163 510		6.3		150	100	21	9	150	100	B8D	P	
CK5639A	412 163 510		6.3		150	100	21	9	150	100	B8D	P	
CK5654	412 365 100		6.3	2	150	125	7.5	5	100	100	B7G	P	
CK5656	544 231 671		6.3	2	150	125	15	5.8	100	100	B9A	PP	
CK5670	214 607 413		6.3		150		8.5	5.5	100		B9A	TT	
CK5672	653 420 000		1.2	6.5	60	60	3.2	0.6	No Data Available	B5A	P		
CK5676	624 300 000		1.2	5	150		4	1.6	100	1.6	B5A	T	
CK5677	624 300 000		1.2	5.5	150		1.9	0.8	100	1.9	B5A	T	
CK5678	652 430 000		1.2		60	60	1.8	1.1	No Data Available	B5A	P		
CK5687	641 221 437		6.3	2	150		36	11	No Data Available	B9A	TT		
CK5692	461 471 230		6.3	9	250		6.5	2.2	100		A08	TT	
CK5693	126 447 310		6.3	6	200		7	3.2	100		B8B	TT	
CK5694	126 447 310		6.3	6	300		7	3.2	100		A08	TT	
CK5697	632 400 000		0.6	3	12		0.2	0.1	No Data Available	B5A	T		
CK5702	653 420 000		6.3		150	125	7.5	5	100	100	B7G	P	
CK5702WA	653 420 000		6.3		150	125	7.5	5	100	100	B7G	P	
CK5702WB	653 420 000		6.3		150	125	7.5	5	100	100	B7G	P	
CK5703	623 410 000		6.3		150		9	5	100	5	B5A	T	
CK5703WA	623 410 000		6.3		150		9	5	100	5	B5A	T	
CK5703WB	623 410 000		6.3		150		9	5	100	5	B5A	T	
CK5704	623 100 000		6.3				5		D		B5A	D	
CK5074WA	623 100 000		6.3		150		5		D		B5A	D	
CK5725	412 365 100		6.3	2	150	125	5.2	3.2	100	100	B7G	P	
CK5726	182 310 900		6.3				5		D		B7G	DD	

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE	
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V			
CK5744	623 410 000		6.3		250		4	4	100				B5A	T
CK5744WA	623 410 000		6.3		250		4	4	100				B5A	T
CK5744WB	623 410 000		6.3		250		4	4	100				B5A	T
CK5749	412 365 100		6.3		250	100	11	4.4	100	100	4.4		B7G	P
CK5751	641 227 413		6.3	3	250		1.0	1.2	100		1.2		B9A	TT
CK5755	614 224 173		6.3	0.9	100		0.1	0.5	100		0.5		B9A	TT
CK5784	652 311 400		6.3	2	150	125	5.2	3.2	100	100			B7F	P
CK5784WA	652 311 400		6.3	2	150	125	5.2	3.2	100	100			B7F	P
CK5784WB	652 311 400		6.3	2	150	125	5.2	3.2	100	100			B7F	P
CK5785	823 000 000		1.2						D					D
CK5814	741 226 413		6	8.5	250		10.5	2.2	100		2.2		B9A	TT
CK5829	812 139 100		6.3				5		D				B7F	DD
CK5829WA	812 139 100		6.3				5		D				B7F	DD
CK5851	206 035 240		1.2	7.5	150	125	5.5	1.6	100	100			B8D	P
CK5854	652 430 000		1.2	2	40	40	0.8	0.5	No Data Available				B5A	P
CK5873	264 114 730		6.3	3	150		9	2.9	100				B8D	TT
CK5875	652 430 000		1.2		90	90	3.5	2.5	80	75			B5A	P
CK5881	026 540 310		6.3	14	150	250	75	6.1	100	100			A08	P
CK5910	265 024 300		1.4		90	90	1.6	0.9	100		0.9		B7G	P
CK5965	641 227 413		6.3		150		8.2	6.5	100				B9A	TT
CK5967	624 334 270		1.2		40		3	0.1	No Data Available				B8D	TT
CK5968	624 334 270		1.2		40		0.7	1.3	No Data Available				B8D	TT
CK5969	245 675 430		1.2	3	150	40	6	1.7	No Data Available				B8D	PP
CK5970	245 675 430		1.2		40	40	3	1.8	No Data Available				B8D	PP
CK5971	642 430 000		1.2		60		3.5	2.1	No Data Available				B5A	T
CK5972	652 430 000		1.2		60	60	2.5	1.3	No Data Available				B5A	P
CK5975	614 230 000		6.3		100		10	5.1	100		5		B5A	T
CK5995	8*2 310 000		6.3				30		REC		15mA		B5A	R
CK6005	412 365 400		6.3	12.5	250	250	45	4.1	100	150	4		B7G	P
CK6021	642 113 470		6.3		100		6.5	5.4	100		5.4		B8D	TT
CK6029	624 300 000		1.2	4	90		11	2	80		3		B5A	T
CK6050	624 300 000		1.2	5	150		4	1.6	100		2		B5A	T
CK6051	652 430 000		1.2	4	40	40	3	1.2	No Data Available				B5A	P
CK6088	653 420 000		1.2	1.2	40	40	0.7	0.6	No Data Available				B5A	P
CK6092	653 420 000		1.2	4.5	40	40	1.4	0.6	No Data Available				B5A	P
CK6100	602 364 100		6.3	8.5	250		10.5	2.2	100				B7G	T
CK6101	672 344 100		6.3		100		9	6	100		6		B7G	TT
CK6110	812 093 100		6.3						D				B8D	DD
CK6111	642 113 470		6.3		100		8.5	5	100		5		B8D	TT
CK6112	642 113 470		6.3		100		0.8	1.8	100		2		B8D	TT
CK6135	602 364 100		6.3	8.5	250		10.5	2.2	100		2.2		B7G	T
CK6147	206 035 240		1.2	7.5	150	125	5.5	1.6	100	100			B8D	P
CK6152	614 230 000		6.3		100		10	5.1	100		5		B5A	T
CK6186	412 365 100		6.3		250	150	7	5	100	100			B7G	P
CK6201	641 227 413		6.3		250		10	5.5	100				B9A	TT
CK6245	652 311 400		6.3		20	30	2.5	3.3	No Data Available				B7G	P
CK6247	442 613 060		6.3		250			2.6	100				B8D	T

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE	
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V			
CK6247WA	442 613 060		6.3		250				2.6	100			B8D	T
CK6286	624 300 000		1.2	2	60			6	2.1	No Data Available			B5A	T
CK6397	206 035 240		1.2	7.5	150	125		7.2	2	100	100		B8D	P
CK6414	741 226 413		6.3		200			8	5.5	100		6	B9A	TT
CK6418	652 430 000		1.2	1.2	20	20		0.2	0.3	No Data Available			B5A	P
CK6419	652 430 000		0.6	0.6	12	12				No Data Available			B5A	P
CK6485	412 365 100		6.3		300	150		10	9	100	100		B7G	P
CK6519	653 420 000		1.2		20	20		0.4	0.4	No Data Available			B5A	P
CK6526	652 430 000		1.2	6	100	100		6.5	1.9	100	100	2	B5A	P
CK6533	644 612 360		6.3		150			0.9	1.7	100			B8D	T
CK6533WA	644 612 360		6.3		150			0.9	1.7	100			B8D	T
CK6540	652 311 400		6.3		150			7.5	5	100			B7G	P
CK6611	642 113 470		6.3		100			8.5	5	100		5	B8D	TT
CK6612	642 113 470		6.3		100			0.8	1.8	100		0.8	B8D	TT
CK6872	652 311 400		6.3		150	125		7.7	4.1	100	100		B7G	P
CK6883	125 141 310	A1	12.6	33	300	200		70	7	No Data Available			A08	P
CK7994	346 441 430		6.3	1	100			13	18	No Data Available			B8D	T
CK7995	214 311 650		6.3	1.6	150	150		8	13	No Data Available			B8D	P
CL1	023 100 560	G1	13	14	200	200		25	2.5	100	150	2.5	8SC	P
CL2	023 100 560	G1	24	15	100	100		50	3.8	200	75	3.8	8SC	P
CL4	023 100 560	G1	33	8.5	200	200		45	8	100	150	7	8SC	P
CL6	023 100 560	G1	35	9.5	200	100		45	8	100	90	7	8SC	P
CL33	026 540 310		33	8.5	200	200		45	8	100	100	7	A08	P
C0241	026 500 300	G1	2	1	150	75		3.5	1.4	125	80	1.4	A08	P
C0243	026 447 300		2		150			4	1.8	100		1.8	A08	TT
C0244	026 540 300		2	2.5	150	125		4.1	1.8	125	125	1.8	A08	P
C0257	021 450 300		2	3	100	100		6	2.5	100	100	3	A08	P
C0258	026 540 300		1.8	6	150	125		10	2	100	100		A08	P
CY1	023 100 080		20					60		REC		60mA	8SC	R
CY1C	803 210 000		20					60		REC		20mA	B5	R
CY2	123 190 080		30					60		REC		20mA	8SC	RR
CY21	208 001 003		25					120		REC		23mA	B9A	R
CY31	020 080 310		20					120		REC		60mA	A08	R
CY32	029 180 310		30					60		REC		23mA	A08	RR
CZ30	028 193 210		80					60		REC		20mA	A08	RR
CZ501D	265 113 000	G1	3.5	2.5	150	125		6.5	3.5	100	100	3	UX6	P
CZ504D	265 413 000		5.5	13.5	250	200		40	3.5	100	100		UX6	P
D1	123 000 000	D1	4					5		D			B3G	R
D1	289 300 000		5					60		REC		20mA	UX4	RR
D1	642 300 000		4	1	40			1	0.8	No Data Available			B4	T
D2	642 300 000		4	6	100			2.2	0.2	100		0.2	B4	T
D2M9	182 310 900		6.3					5		D			B7G	DD
D3A	141 230 615		6.3	1.2	200	150		22	36	No Data Available			B9A	P
D3F	141 23* 615		1.2	3	150	60		1.7	0.6	100	60		B9A	P
D4	642 310 000		4	3	200			4	3.3	100		3	B5	T
D13TT	023 100 060	G1	13	5	250			6	2.5	100			8SC	T
D41	892 310 000		4							D			B5	DD
D42	812 300 000		4					15		D			B4	D

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
D43	012 300 000	D1	4				15		D			B5	D
D61	268 154 130		6.3	2	250	125	5	1.8	100	100		B8A	DP
D63	028 190 310		6						D			A08	DD
D77	192 310 800		6						D			B7G	DD
D105	264 300 000		1	18	150		8	2	150		2	UX4	T
D105	642 300 000		1	18	150		8	2	150		2	B4	T
D110	264 300 000		4	40	250		40	2.7	100		2.7	UX4	T
D110	642 300 000		4	40	250		40	2.7	100		2.7	B4	T
D121	268 154 130		12.5	2	200	90	5	2	100	100	2	B8A	DP
D143	652 350 000		1	1	100	150		1.2	100		1.2	B5	P
D152	192 310 800		6						D			B7G	RR
D210	642 300 000		2	3	150		3.5	1.2	100		1.2	B4	T
D210SW	603 200 000	G1	2	4.5	150		2.4	1.3	100		1.3	B4	T
D243	642 350 000		2.5	27	300	200	20	2	100	100		B5	P
D400	892 310 000		4						D			B5	DD
D401	902 310 000	D1	4						D			B4	DD
D404	364 200 000		4	40	250		40	2.7	100			UX4	T
D404	642 300 000		4	40	250		40	2.7	100			B4	T
D410	642 300 000		4	3	150		3.5	0.5	150		0.5	B4	T
D418	102 300 000	D1	4						D			B4	D
D604	023 181 910		6						D			8SC	DD
DA	000 231 600	G1	13	2.6	200		3.7	2.2	150		2.2	B7	T
DA1	642 300 000		2	1	40		0.3	0.4	No Data Available			SM4	T
DA2	642 300 000		2	2.1	40		1.2	0.5	No Data Available			SM4	T
DA3	642 300 000		2	2.8	40		1.8	0.6	No Data Available			SM4	T
DA30	642 300 000		4(5)	70	300		60	3.5	100		6	B5	T
DA42	214 300 000	A1	7.5		400			3	100			B4	T
DA90	281 0*8 300		1.4				5		D			B7G	R
DA101	200 800 300		1.2					D			B7G	D	
DA406	542 300 000	A	4	2.5	150	75	3	0.8	100	75	0.8	B4	P
DAC1	023 008 060	G1	1.4		90		0.1	0.3	80		0.3	8SC	DT
DAC21	206 008 030	G1	1.4		100		0.7	0.4	80		0.3	A08	DT
DAC22	264 008 030		1.2		90		0.3	1.3	90		0.3	B8G	DT
DAC25	264 228 230		1.2		150		0.6	0.3	125		0.3	A08	DT
DAC31	036 080 200	G1	1.4		90		0.4	0.3	80		0.3	A08	DT
DAC32	036 080 200	G1	1.4		90		0.1	0.3	90		0.3	A08	DT
DAF1	802 362 450		1.2		150	60	1.4		125	60		F8	DP
DAF11	802 362 450		1.2		90	50	0.8	0.5	80	60	0.5	F8	DP
DAF40	268 354 230		1.4		75	75	0.8	0.7	80	75	0.8	B8A	DP
DAF41	268 354 230		1.4	1	75	75	0.8	0.7	80	75	0.8	B8A	DP
DAF70	604 238 050		1.2		60	60	0.8	0.4	80	75		B8D	DP
DAF91	208 564 300		1.4	1	90	90	2	0.7	80	90	0.7	B7G	DP
DAF92	265 804 300		1.4	1	90	90	2	0.7	90	90	0.7	B7G	DP
DAF96	208 564 300		1.4	1.5	60	60	0.2	0.2	80	75	0.2	B7G	DP
DAF191	2*8 564 300		1.4		60	60	2.2	0.7	80	75		B7G	DP
DAF961	208 564 300	A	1.2		60	60	2.2	0.7	No Data Available			B7G	DP
DAS1	542 300 000		2	2.7	150	125	1.5	0.6	100	100	0.6	SM4	P
DB	446 230 700		25		250		40		100			B7	TT

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE	
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V			
DBC21	206 098 030	G1	1.4	1.5	150		1.6	0.9	100		0.9	A08	DDT	
DBC25	208 904 630		1.2	1.5	150		1.6	0.9	125		0.9	B8B	DDT	
DBC31	026 980 300	G1	1.4	1.5	150		1.6	0.9	100		0.9	A08	DDT	
DC2/HLDD	809 231 600	G1	25	1	200			2	100		2	B7	DDT	
DC2P	642 310 000		35	13.5	200		17	3.7	100		3.7	B5	T	
DC2/Pen	045 231 600		35	10	250	200	30	2.5	100	100	2.5	B7	P	
DC2/Pen	642 310 000	G2	35	10	250	200	30	2.5	100	100	2.5	B5	P	
DC2SG	542 310 000	A	20	1	200	75	5.5	1.8	200	75	1.8	B5	P	
DC2SGVM	542 310 000	A1	20	2	200	60	5.8	1.5	200	60	1.5	B5	P	
DC3HL	642 310 000		25	1	90		0.3	0.4	100		0.4	B5	T	
DC11	602 302 400		1.2	2.5	90		2	1	80		1	F8	T	
DC25	260 024 030		1.2	3.5	100		1.8	0.8	100		0.8	B8B	T	
DC70	400 230 060		1.2	4.5	150		14.5	3.7	100		3.4	B8D	T	
DC80	402 230 060		1.2	3.5	150		20	3.5	100		3.5	B9A	T	
DC90	266 044 300		1.4	3	90		3	1.1	90		1.1	B7G	T	
DC93	204 036 200		1.4	5	100		10	2.4	100		2.3	B7G	T	
DC96	266 044 300		1.4	2.5	90		2.1	1	90		1	B7G	T	
DC193	2*4 *36 200		1.4	5	100		10	2.4	100		2.4	B7G	T	
DCC90	274 346 200		1.4	2.5	90		3.7	1.8	80		1.8	B7G	TT	
DCH1	207 540 630	G1	1.4	}	60		2.1	1.4	60	60	1.4	}	A08	TH
					150	125	1	1	100	100				
DCH11	642 273 450		1.2	}	4	90	0.8		100	60		}	F8	TH
					150	60	1		100	60				
DCH21	207 540 630	G1	1.4	}	60	60	2.1	1.4	80	60		}	A08	TH
					90	60	1		80	60				
DCH22	276 454 030		1.2	}	60		1.4		80	60		}	A08	TH
					90	50	0.7		80	60				
DCH25	276 454 030		1.4	}	60		2	1.3	80	60		}	A08	TH
					90	60	1		80	60				
DCH31	027 546 300	G1	1.4	}	60	60	2.1	1.4	80	60		}	A08	TH
					90	60	1	1.4	80	60				
DC/HL	642 310 000		6	1	100			3	100		3	B5	T	
DC/P	642 310 000		8	1	200			4.5	200		4.5	B5	T	
DC/SG	542 310 000	A1	6		150	75		2.7	200	75	2.7	B5	P	
DD4	892 310 000		4						D			B5	DD	
DD4D	091 231 800		4						D			B7	DD	
DD6	892 310 000		6						D			B5	DD	
DD6	192 310 800		6						D			B7G	DD	
DD6DS	023 180 910		6						D			8SC	DD	
DD6G	192 310 800		6						D			B7G	DD	
DD13	892 310 000		13				5		D			B5	DD	
DD41	219 080 130		4						D			M08	RR	
DD101	219 080 130		10						D			M08	DD	
DD207	892 300 000		2						D			B4	DD	
DD465	902 310 000	D1	4						D			B5	DD	
DD620	892 310 000		6						D			B5	DD	
DD818	892 310 000		8						D			B5	DD	
DD960	204 036 200		1.4	3	60		9	2.4	No Data Available			B7G	T	

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE	
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V			
DDA1	892 310 000		4							D			B5	DD
DDD11	742 302 460		1.2	4.5	150		1.5	1.0		125		1.5	F8	TT
DDD25	206 447 030		1.4	1.5	100		3.5	1.2		100		1.2	A08	TT
DDL4	892 310 000		4				5			D			B5	RR
DDP4B	968 231 500	G1	4	5	250	250	36	8		100	150	7	B7	DDP
DDP4M	918 236 500	G1	4	5	250	250	36	8		100	150	7	B7	DDP
DD/Pen	849 231 500	A	4	2.5	200	100	5	2.7		100	100	2.7	B7	DDP
DDPP4B	869 231 500	G1	4	5	250	250	36	10		100	150	9	B7	DDP
DDPP4BS	023 189 560	G1	4	5	250	250	36	10		100	150	9	8SC	DDP
DDPP4M	869 231 500	G1	4(5)	5	250	250	36	10		100	150	9	B7	DDP
DDPP6B	968 231 500	G1	6	6	250	250	36	9.5		100	150	9	B7	DDP
DDPP6BS	023 189 560	G1	6	5	250	250	36	10		100	150	9	8SC	DDP
DDPP39	968 231 500	G1	39	8	200	200	45	8.5		100	150	8	B7	DDP
DDPP39M	918 236 500	G1	39	8	200	200	45	8.5		100	150	8	B7	DDP
DDPP39S	023 198 560	G1	44	8	200	200	45	8.5		100	150	8	8SC	DDP
DDR2	256 101 403		6	5	250	250	40	12		No Data Available			B9G	P
DDR3	812 380 000		6				60			REC		20mA	B7G	R
DDR7	412 360 500		6	12.5	250	250	16	2.6		100	150	2.6	B7G	P
DDT	908 231 600	G1	4	3	200		3.4	2.4		100		2.4	B7	DDT
DDT2	682 390 000	G1	2	3	150		1	1.4		100		1.4	B5	DDT
DDT2B	682 390 000	G1	2	4.5	150		2.5	1		100		1	B5	DDT
DDT2BS	023 089 060	G1	2	4.5	150		2.5	1		100		1	8SC	DDT
DDT4	809 231 600	G1	4	3	150			2.5		150		2.5	B7	DDT
DDT4(S)	908 231 600	G1	4	5	200		3	3.6		150		3.6	B7	DDT
DDT4(S)	023 198 060	G1	4	5	250		4	3.6		150		3.6	8SC	DDT
DDT6	809 231 600	G1	6	5.5	250		4	2		150		2	B7	DDT
DDT6S	023 189 060	G1	6	5.5	250		5	2		150		2	8SC	DDT
DDT13	908 321 600	G1	13	4	200		5	2		150		2	B7	DDT
DDT13S	023 189 060	G1	13	5	200		4	3.6		100		3.6	8SC	DDT
DDT16	809 231 600	G1	16	3	200		5	2.5		100		2.5	B7	DDT
DDT213	809 231 600	G1	13	4	200		5	2.2		150		2.2	B7	DDT
DDT215	682 390 000	G1	2	3	150		3	1.6		100		1.6	B5	DDT
DDT220	682 390 000	G1	2.5	4.5	150		2.5	1		100		1	B5	DDT
DE1	264 130 000		2.5	21	250		5.2	1		100		1	UX5	T
DE5	280 300 000		2.5				120			REC		30mA	UX4	R
DET19	204 140 300	A1A2	6		300		25	2.1		100			UX7	TT
DET20	020 000 310	A1G1	6	5.5	250		12	3		100		3	A08	T
DF1	032 000 560	G1	1.4		90	90	1.2	0.7		80	90	0.7	8SC	P
DF11	602 302 450		1.2		90	50	0.9	0.6		80	60	0.6	F8	P
DF16	654 230 000		0.6		20	20	0.3	0.3		No Data Available			B5A	P
DF21	206 501 030	G1	1.4		90	90	1.2	0.7		80	90	0.7	A08	P
DF22	206 501 030	G1	1.4	1.5	90	90	1.4	1.1		80	90	1.1	A08	P
DF23	265 114 130		1.2	1.5	90	60	0.6	0.6		80	60	0.6	A08	P
DF25	265 114 130		1.2	0.5	150	60	1	0.6		125	60	0.6	A08	P
DF26	265 114 130		1.2	1.1	150	90	1.2	0.3		125	90	0.3	A08	P
DF31	026 510 300	G1	1.4		90	90	1.2	0.6		80	90	0.6	A08	P
DF32	026 510 300	G1	1.4	1.5	90	90	1.4	1.1		80	90	1.2	A08	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
DF33	036 500 200	G1	1.4	0.5	90	90	0.8	0.7	80	90	A08	P	
DF51	542 300 000	A1	1.5		40	12	1.1	0.1	No Data Available		SM4	P	
DF60	652 430 000	.	1.2	2	60	60	0.5	0.8	No Data Available		B5A	P	
DF61	652 430 000		1.2	1	60	60	0.9	0.8	No Data Available		B5A	P	
DF62	652 430 000		1.2	1	90	90	7.4	2	80	75	B5A	P	
DF63	652 430 000		1.2	2.5	90	90	1.2	0.4	80	80	0.6	B5A	P
DF70	*4* 23* 650		0.6		40	40	0.4	0.2	No Data Available		B8D	P	
DF72	*40 230 650		1.2		60	60	1.7	1	No Data Available		B8D	P	
DF73	*40 230 650		1.2		90	75	1.7	0.8	80	75	0.8	B8D	P
DF91	265 024 300		1.4		90	75	3.5	0.9	80	60	0.9	B7G	P
DF92	265 024 300		1.4	2	90	60	1.9	0.7	80	60	0.7	B7G	P
DF95	265 024 300		1.4	1	90	75	3.7	1	80	60	1	B7G	P
DF96	265 *24 300		1.4	0.8	75	75	1.4	0.6	80	75	0.7	B7G	P
DF97	265 224 300		1.4		60	60	1.7	0.8	80	75	0.8	B7G	P
DF161	026 510 300	G1	0.7		20	20	0.3	0.8	No Data Available		A08	P	
DF167	653 420 000		0.6		20	20	0.1		No Data Available		B5A	P	
DF191	265 *24 300		1.4		60	60	4.2	1	No Data Available		B7G	P	
DF668	652 430 000		1.2	1.6	90	90	5.7	2.3	80	90		B5A	P
DF669	652 430 000		1.2		60	60	1.8	1.1	No Data Available		B5A	P	
DF904	265 *24 300		1.4		90	90	1.6	0.9	90	90	0.9	B7G	P
DF906	265 3*4 300		1.4		40	40	3	1.7	No Data Available		B7G	P	
DF961	265 024 300		1.2		60	60	3.4	0.8	No Data Available		B7G	P	
DF950	246 557 430		1.4	1.1	20	20	2.2	1.2	No Data Available		A08	PP	
DF951	246 557 430		1.4		20	20	2.1	0.7	No Data Available		A08	PP	
DF9101	634 572 400		1.4		40	40	1	0.2	No Data Available		B7G	PP	
DG210	642 350 000		2	1.5	100	20	1	1	No Data Available		B5	P	
DH	642 310 000		16	3	200		6	3.7	100		3.7	B5	T
DH30	908 231 600	G1	13	2	200		2.8	4.5	150		4.5	B7	DDT
DH42	908 231 600	G1	4	3	250		1.1	1.2	150		1.2	B7	DDT
DH63	026 890 310	G1	6	3	250		1.1	1.2	150		1.2	A08	DDT
DH73	026 890 310	G1	6	3	250		4.5	2	250		2	A08	DDT
DH74	026 890 310	G1	13	3	250		1.1	1.2	100		1.2	A08	DDT
DH76	026 890 310	G1	13	3	250		1.1	1.2	150		1.2	A08	DDT
DH77	412 389 600		6	3	250		1	1.2	150		1.2	B7G	DDT
DH81	264 *98 130		6	3	250		1	1.2	150		1.2	B8B	DDT
DH101	264 *98 130		19	3	250		1	1.2	150		1.2	B8B	DDT
DH107	412 389 600		19	3	250		1	1.2	150		1.2	B7G	DDT
DH109	†91 238 146		28	2.3	200		1	1.4	100		1.4	B9A	DDDT
DH118	264 089 130		13	1	100		0.8	1.4	100		1.4	B8A	DDT
DH119	641 238 09*		13	0.7	100		0.8	1.4	100		1.4	B9A	DDT
DH142	264 098 130		14	1.6	200		1.5	1.6	100		1.4	B8A	DDT
DH147	026 890 310	G1	6	5.5	250		5	2	100		2	A08	DDT
DH149	264 198 130		6	1	250		1.3	1	250		1	B8A	DDT
DH150	264 098 130		6	3	250		10	1.3	150		1.3	B8A	DDT
DH718	264 089 130		6.3	3	250		1	1.3	100		1.4	B8A	DDT
DH719	981 23† 146		6	3	250		1	1.3	100		1.3	B9A	DDDT
DHD	908 231 600	G1	16	3.2	200		3.2	2.2	200		2.2	B7	DDT



VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE I60					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
DHL	642 310 000		16	1.5	150		3.8	4.5	100		4.5	B5	T
DK1	023 064 560	G1	1.4		90	50	1.8	0.5	80	60	0.5	8SC	H
DK21	206 540 630	G1	1.4	2	60	60	4.5	1.4	80	60	1.4	A08	H
DK31	027 546 300	G1	1.4	1	75	60			80	60		A08	TH
DK32	036 546 200	G1	1.4	1	150	90			125	90			
DK40	265 454 030		1.4	2	75	75	0.9	0.7	80	75		B8A	O
DK91	266 424 300		1.4	4	75		4.5	1.2	80		1.4	B7G	H
DK92	266 464 300		1.4	4	60		4	1.2	80		1.2	B7G	H
DK96	265 461 300		1.4	1.5	75	50	1	0.4	80	60	0.4	B7G	H
DK192	265 454 300		1.4		60	60			No Data Available			B7G	H
DL	642 310 000		16	8	200		25	4.5	100		4.5	B5	T
DL1	023 004 560		1.4	3	90	90	4	1.2	80	75	1.2	8SC	P
DL2	032 004 560		1.4	7.5	90	90	7.5	1.5	80	75	1.5	8SC	P
DL11	602 302 450		1.2	4.4	90	90	3.7	1	80	90	1	F8	P
DL21	206 540 030		1.4	3	90	90	4	1.3	80	90	1.3	A08	P
DL22	265 004 330		1.2	4	150	125	5	1.6	100	100	1.6	A08	P
DL25	265 204 330		1.2	4.7	150	125	4.5	2.1	100	100	2.1	A08	P
DL29	265 004 320		1.4	4.5	90	90	9.5	2.4	80	90	2.4	B8G	P
DL31	036 540 200		1.4	3	90	90	4	1.2	80	75	1.2	A08	P
DL33	036 540 320		1.4	4.5	90	90	9.5	.2	80	75	.2	A08	P
DL35	036 540 200		1.4	7.5	90	90	7.5	1.5	80	75	1.5	A08	P
DL36	036 540 200		1.4	4.5	90	90	9.5	2.2	90	90	2.2	A08	P
DL41	36* 054 220		1.4	5.8	150	125	5	1.3	80	90	1.3	B8A	P
DL63	026 890 310	G1	6	3	250		4.2	1.6	100		1.6	A08	DDT
DL64	652 430 000		1.2	1.5	20	20	0.2	0.2	No Data Available			B5A	P
DL65	365 420 000		1.2	0.2	20	20	0.5	0.4	No Data Available			B5A	P
DL66	653 420 000		1.2	1.4	20	20	0.3	0.3	No Data Available			B5A	P
DL67	653 420 000		1.2	0.2	20	20	0.5	0.4	No Data Available			B5A	P
DL68	653 420 000		1.2	2.2	20	20	0.6	0.4	No Data Available			B5A	P
DL69	652 430 000		1.2	2.5	90	90	1.7	0.8	80	75	0.8	B5A	P
DL70	*4* 23* 650		1.2	7.5	150	90	7.5	1.9	150	90	1	B8D	P
DL71	*4* 23* 650		1.2	1.2	40	40	0.6	0.5	No Data Available			B8D	P
DL72	*4* 23* 650		1.2	4.5	40	40	1.2	0.5	No Data Available			B8D	P
DL73	*40 230 650		1.2	9	100	100	15	2.5	100	100	3.8	B8D	P
DL74	026 890 310	G1	13	3	250		5.1	1.6	100		1.6	A08	DDT
DL75	*40 230 650		1.2	2.5	90	90	1.7	0.8	90	90	0.9	B8D	P
DL82	264 *98 130		6.	3	250		5	1.4	150		1.4	B8B	DDT
DL91	264 526 300		1.4	7	90	75	7.4	1.6	80	60	1.5	B7G	P
DL92	264 536 200		1.4	7	90	75	7.4	1.6	80	75	1.6	B7G	P
DL93	365 426 300		1.4	8.4	150	90	13.3	1.9	100	75	1.9	B7G	P
DL94	365 024 300		1.4	4.5	90	90	9.5	2.1	80	75	2.1	B7G	P
DL95	264 536 200		1.4	4.5	90	90	9.5	2.1	80	75	2.1	B7G	P
DL96	265 034 200		1.4	5.2	90	90	5	1.4	80	60	1.4	B7G	P
DL98	524 332 600		1.25	10	150	125	30	2.2	100	100	2	B7G	P
DL101	036 540 210		1.4		100	100	10	2.5	100	100		B8A	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE I60					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
DL145	264 098 130		15	5.9	250		5	2.3	150		2.3	B8A	DDT
DL161	654 230 000		1.4		20	20	0.5	0.5	No Data Available			B5A	P
DL167	653 420 000		1.2		20	20	0.5	1.5	No Data Available			B5A	P
DL192	264 536 200		1.4	7	60	60	7	1.5	No Data Available			B7G	P
DL193	265 436 200		1.4	7.5	100	60	9.5	2.9	150	60	2.9	B7G	P
DL620	653 420 000		1.2	6.5	60	60	3.1	0.6	80	75	0.6	B5A	P
DL650	653 420 000		1.2		20	20	0.4	0.4	No Data Available			B5A	P
DL651	653 420 000		1.2		20	20	0.4	0.4	No Data Available			B5A	P
DL907	365 004 200		1.4	5.5	150	125	15	3.1	125	125	3.1	B7G	P
DL962	264 536 200		1.4	7	60	60	7	1.5	No Data Available			B7G	P
DL963	265 436 200		1.2	7.5	150	60	10	2.2	100	60		B7G	P
DLL21	246 547 330		1.4	8.7	150	125	1		100	100		A08	PP
DLL25	046 547 230		1.4	9.4	150	125	17		125	125		B8G	PP
DLL31	326 447 250		1.4	5	90	90	3		80	75		A08	PP
DLL101	264 574 300		1.4	7	90	60	8.2	1.1	80	60	1.2	B7G	PP
DLL102	264 574 300		1.4	}	40	40	1.3	0.5	80	60	}	B7G	PP
					40	40	2	0.5	80	60			
DLP51	023 004 560	C	4	17	250	250	36	2.5	100	100		8SC	P
DN41	968 231 500	G1	4	3.3	250	200	32	10	100	150	9	B7	DDP
DN143	264 598 130		6	6.2	250	275	44	9.5	100	150	9	B8B	DDP
D024	642 300 000		4	40	400		63	7.5	100		6.0	B4	T
D025	642 300 000		6	75	300		60	3.7	100		3.7	B4	T
D026	642 300 000		4	92	400		63	3.8	100		3.8	B4	T
D030	642 300 000		4	100	400		60	6.9	100		6	B4	T
D042	918 236 500	G1	4	6	250	250	36	9.5	100	150	8	B7	DDP
DP	264 008 030		16	7.5	200		25	6	100		6	A08	DT
DP5	642 350 000		4	5	250	250	10	4	100	150	4	B5	P
DP7	023 004 560		4	20	250	250	20	2.5	100	150	2.5	8SC	P
DP61	412 365 100		6	8.5	200	125	7.7	5.1	150	150	4	B7G	P
DP495/6	869 231 500	G1	4	6.5	250	250	35	9.5	100	150		B7	DDP
DP4480	819 236 500	G1	44	8.4	200	200	46	8	100	100	7	B7	DDP
DP/Pen	045 231 600		16	10	200	200	31	3.5	100	100	3.5	B7	P
DPT	045 213 600		16	10	200	200	40	3.1	100	150	3.1	B7	P
DPT	642 310 000	G2	16	10	200	200	40	3	100	150	3	B5	P
DS	542 310 000	A1	16	1.5	200	75	2.8	1.1	200	75	1.1	B5	P
DS	000 231 600	G1	13	3	200		4	2.5	150		2.5	B7	T
DSB	542 310 000	A1	16	1	150	90	3.4	3.2	150	90	3.2	B5	P
DSPen	061 231 500	G1	16	1.5	200	100	4	2.3	200	100	2.3	B7	P
DT7	642 300 000		4	16	200		14	2	100		2	B4	T
DT41	809 321 600	G1	4	1	100			3	100		3	B7	DDT
DT215	023 089 060	G1	2	4.5	150		2.5	1	100		1	8SC	DDT
DT215	682 390 000	G1	2	4.5	150		2.5	1.5	100		1.5	B5	DDT
DT436	809 231 600	G1	4	7	250		4	3.6	100		2	B7	DDT
DT436	023 198 060	G1	4	7	250		4	2	100		2	8SC	DDT
DT1336	023 198 060	G1	13	5	200		4	2	100		2	8SC	DDT
DTV1	809 231 600	G1	13	1	100			3	100		3	B7	DDT
DU1	802 300 000		4				30		REC		15mA	B4	R

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
DU2	892 300 000		4				30			REC	15mA	B4	RR
DU3	892 300 000		4				15			REC	10mA	B4	RR
DU4	892 300 000		4				30			REC	15mA	B4	RR
DU5	892 300 000		4				30			REC	15mA	B4	RR
DU10	802 300 000		4				60			REC	25mA	B4	R
DVSG	542 310 000	A1	16	1	200	75	7.5	2.5	100	75	2.5	B5	P
DVS/Pen	542 310 000	A1	16	1.5	200	100	6.5	1	200	100	3	B5	P
DW1	892 300 000		4				15			REC	10mA	B4	RR
DW2	892 300 000		4				30			REC	20mA	B4	RR
DW2X	892 300 000		4				30			REC	20mA	B4	RR
DW3	892 300 000		4				60			REC	20mA	B4	RR
DW4	892 300 000		4				60			REC	20mA	B4	RR
DW4/350	892 300 000		4				60			REC	20mA	B4	RR
DW4/500	892 300 000		4				60			REC	20mA	B4	RR
DW5	802 300 000		4				120			REC	30mA	B4	R
DW7X	892 300 000		4				30			REC	15mA	B4	RR
DW8	892 300 000		5				30			REC	15mA	B4	RR
DW15	892 300 000		7.5				30			REC	15mA	B4	RR
DW30	892 300 000		7.5				60			REC	20mA	B4	RR
DW802	642 300 000		4	25	250		26	4	100		4	B5	T
DW1508	642 310 000		4	7.5	150		4	1.5	100		1.5	B5	T
DW4011	642 310 000		4	5	200		5	3.6	150		3.6	B5	T
DW4023	642 310 000		4	3	150		2.5	1.7	100		1.7	B5	T
DX2	642 300 000		2	3	150		3.5	1.4	100		1.4	B4	T
DY30	*2* 0*0 3*0	D1	1.2						D			A08	D
DY70	230 000 000	D1	1.2						D			B3G	D
DY80	23* 232 *32	D1	1.2						D			B9A	D
DY86	23* 232 *32	D1	1.4						D			B9A	D
DY87	23* 232 *32	D1	2.4						D			B9A	D
DY604	642 300 000		4	15	150		8	1.3	100		1.3	B4	T
DZ2	542 300 000	A1	4	1	200	100	4	0.7	100	100	4	B4	P
E	642 300 000		4	9	200		1.7	0.4	100		0.4	B4	T
E	264 300 000		3	22.5	125		6.5		125			UX4	T
E1C	216 489 130		6.3	5	200		4.5	2	100		2	A08	DDT
E1F	216 054 300		6.3	3	250	100	2	1.4	100	100		B7	P
E4	642 300 000		4	16	200		12	1.8	100			B4	T
E4D	892 300 000		4				30			REC	15mA	B4	RR
E4F	892 300 000		4				60			REC	20mA	B4	RR
E4H	802 300 000		4				125			REC	30mA	B4	R
E4K	003 200 000	D1	4				60			REC	20mA	B5	R
E4L	003 200 000	D1	4				120			REC	30mA	B5	R
E20V	023 100 080		20				60			REC	20mA	8SC	R
E55L	615 231 141		6.3		150	150	50	45	No Data Available		2.5	B9D	P
E80CC	641 337 412		6.3	5.5	250		6	2.8	100			B9A	TT
E80CF	645 237 114		6.3	{ 2	100		14	5	100	60	6	B9A	TP
				{ 2	200	175	10	6.2	100	100			
E80F	501 236 014		6.3	1.6	250	100	3	1.8	150	100	1.8	B9A	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
E80L	041 230 651		6.3	4.5	200	200	30	9	100	100		B9A	P
E81CC	641 227 413		6.3		250		10	5.5	100		5.5	B9A	TT
E81L	041 230 651		6.3	3	200	200	20	11	100	100		B9A	P
E82CC	641 227 413		6.3	8.5	250		10.5	2.2	100			B9A	TT
E83CC	641 227 413		6.3	2	250		1.2	1.6	100		1.6	B9A	TT
E83F	541 236 **1		6.3	2	200	125	10	9	100	125	12	B9A	P
E84L	*41 23* 6*5		6.3		250	250	48	11	No Data Available			B9A	P
E86C	641 234 146		6.3	2	200		12	14	No Data Available			B9A	T
E87L	041 230 651		6	6	250	150	36	10	100	100		B9A	P
E88C	414 234 464		6.3	1.2	150		12.5	13.5	No Data Available			B9A	T
□E88CC	641 237 410		6.3	1.2	90		15	12.5	100		13	B9A	TT
E88CC/01	741 236 410		6.3	1.2	100		15	12.5	No Data Available			B9A	TT
E90CC	672 344 100		6.3	2.1	100		8.5	6	100		8.5	B7G	TT
E90F	412 365 100		6.3	1.2	250	150	7.4	4.6	100	100		B7G	P
E91AA	182 310 900		6.3						D			B7G	D
E91H	412 365 100		6.3	5	150	75	0.5	0.6	125	75	0.6	B7G	H
E92CC	672 344 100		6.3	1.7	150		8.5	6	100		6	B7G	TT
E95F	412 365 100		6.3	2	150	125	7.5	5.5	100	100		B7G	P
E99F	412 365 100		6.3	20	250	100	9.2	3.8	100	100		B9A	P
E130L	*2* 54* 310	A1	6.3	15.5	250	150	100	27	100	100		A08	P
E135	365 304 220		12.6	25	400		80		100			A08	P
E180CC	641 227 413		6.3	1.9	150		8.5	6.3	100		7.8	B9A	TT
E180F	141 23* 615		6	2	200	150	13	16.5	No Data Available			B9A	P
E181CC	641 227 413		6.3	3	150		8.5	4.7	100		5.6	B9A	TT
E182CC	741 221 436		6.3	2	150		36	15	No Data Available			B9A	TT
E184	141 230 651		6.3	2.5	200	200	10	15	No Data Available			B9A	P
E186F	141 23* 615		6.3	1.4	200	150	11.5	16	No Data Available			B9A	P
E188CC	641 327 410		6.3	1.4	90		12	11.5	No Data Available			B9A	TT
E220B	446 230 700		2	1	150		3	2.5	100		2.5	B7	TT
E235	642 300 000		2	7.5	150		13	3	100		3	B4	T
E235L	*26 54* 310		6.3	8.2	100	100	100	14	No Data Available			A08	P
E236L	*2* 54* 310	A1	6.3	8.2	100	100	100	14	No Data Available			A08	P
E280F	141 23* 615		6.3	1.8	200	150	20	26	No Data Available			B9A	P
E282F	141 23* 615		6.3		150	150	35	26	No Data Available			B9A	P
E283CC	146 231 074		6.3	2	250		1.2	1.6	100			B9A	TT
E288CC	741 236 410		6.3	1.5	100		30	18	No Data Available			B9A	TT
E405	642 300 000		4	32	250		20	2	100		2	B4	T
E406	642 300 000		4	34	250		8	2.3	100		2.3	B4	T
E406N	642 300 000		4	34	250		8	2.3	100		2.3	B4	T
E408	642 300 000		4	30	400		26	2	100		2	B4	T

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
E408N	642 300 000		4	36	400		30	2.7	100		2	B4	T
E409	642 310 000		4	16	200		12	1.3	100		1.3	B5	T
E409N	642 310 000		4	16	200		12	1.3	100		1.3	B5	T
E410	642 300 000		4	28	400		30	6	100		6	B4	T
E414	642 310 000		4	6	150		6.5	2	100		2	B5	T
E414	642 300 000		4	15	150		8	1.3	100		1.3	B4	T
E415	642 310 000		4	8	200		6	1.4	100		1.4	B5	T
E415	264 130 000		4	8	200		6	1.4	100		1.4	UX5	T
E420	642 300 000		4	18	150		11	1.6	100		1.6	B4	T
E422	642 300 000		4	16	250		12	5	100		5	B4	T
E424	642 310 000		4	2.5	200		6	2.4	100		2.4	B5	T
E424N	642 310 000		4	3.5	200		6	2.4	100		2.4	B5	T
E424R	612 300 000	G1	4	5	200		6	1.6	100		1.6	B4	T
E425	642 310 000		4	4.5	150		3	3	100		1	B5	T
E428	642 310 000		4	3	200		6	2.4	100		2.4	B5	T
E430	642 310 000		4	3	150		4	2	100		2	B5	T
E430N	642 310 000		4	15	200		15	3	100		3	B5	T
E435	642 310 000		4	1.5	200		3	1	100		3	B5	T
E438	642 310 000		4	3	200		2.5	1.5	100		1.5	B5	T
E438M	642 310 000		4	3	200		2.5	1.5	100		1.5	B5	T
E441	642 310 000	G2	4		100	100	1.7	1.0	100	100		B5	P
E441N	652 300 000	G1	4		100		1.7	1	100		1	B4	T
E442	542 310 000	A1	4	1.3	200	60	1.5	0.9	100	60	0.9	B5	P
E442S	542 310 000	A1	4	2	200	60	4	1	100	60	1	B5	P
E443H	642 350 000		4	40	400	200	30	1.9	100	100	1.9	B5	P
E444	258 413 000	A1	4	3	200	90	4	3	100	90	3	UX6	DP
E444N	258 413 000	A1	4	3	100	90	4	3	100	90	3	UX6	DP
E444S	642 310 000	D1	4	3.5	200		6	2	100		2	B5	DT
E445	542 310 000	A1	4	2	200	100	6	1	100	100	1	B5	P
E445M	542 310 000	A1	4	2	200	100	6	1	100	100		B5	P
E446	542 310 000	A1	4	2	200	100	3	2.3	100	100	2.3	B5	P
E447	542 310 000	A1	4	2	200	125	4.5	2.3	100	100	2.3	B5	P
E448	164 552 300	G1	4	1.5	200	125	3	0.6	100	100		C7	P
E449	165 452 300	G1	4	2	200	75	3	1.8	100	75	1.8	C7	P
E451	642 350 000		4		400	250	17		100	150	2.4	B4	P
E452T	542 310 000	A1	4	2	200	100	3	2	100	100	2	B5	P
E452T	254 130 000	A1	4	2	200	100	3	2	100	100	2	UX5	P
E453	045 231 600		4	15	250	250	24	2.5	100	150	2.5	B7	P
E454	216 809 300	G1	4	3.5	200		3.5	1.6	100		1.6	UX7	DDT
E455	542 310 000	A1	4	1.5	200	100	3	2	100	100	2	B5	P
E455	254 130 000	A1	4	1.5	200	100	3	2	100	100	2	UX5	P
E462	542 310 000	A1	4	2	200	100	3	2	100	100	2	B5	P
E463	045 231 600		4	22	250	250	36	2.7	100	150	2.7	B7	P
E499	642 310 000		4	1.6	200		0.2	4	150		4	D5	T
E501D	265 113 000	G1	3.5	2.5	250	125	6.5	3.5	100	100		UX6	P
E501R	265 113 000	G1	6.3	2.5	250	125	6.5	3.5	100	100		UX6	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE I60					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
E504D	265 413 000		5	13.5	250	200	40	3.5	100	100		UX6	P
E504P	265 423 000		6.3	13.3	250	200	40	3.5	100	100		UX6	P
E543	045 231 600		4	15	250	250	24	2.5	100	150	2.5	B7	P
E646	020 080 310		26				120		REC		30mA	A08	R
E703	642 300 000		7.5	100	400		30	1	100		1	B5	T
E810F	141 235 615		6.3	1.9	150	150	35	50	No Data Available			B9A	P
E851	030 908 020		5				120		REC		30mA	A08	RR
E1137	366 446 622		6	2.3	250		32	16	No Data Available			B9G	T
E1148	020 000 310	A1G1	6	5.5	250		14	3	100		3	A08	T
E1192	021 450 310	A1	6	11	250	150	30	3.5	100	100	3.5	A08	P
E1242	265 511 403		6	30	300	250	25	1.9	100	150		B9G	P
E1323	020 000 310	A1G1	6	3	100		25	6.7	100		6	A08	T
E1413	265 024 300		1.4	1	90	75	3.5	0.9	80	75	0.9	B7G	P
E1478	642 300 000		4	1	100			6.9	100		6	B5	T
E1484	208 564 300		1.4	1	90	90	2.7	0.6	80	90	0.6	B7G	DP
E1489	241 657 143		6		350	250	21	3.9	100	100	3.9	B9G	PP
E1517	412 361 500		6	2.5	200	200	8	2.5	100	100	2.5	B7G	P
E1518	412 361 500		6	2	250	250	10	7.5	100	150	5	B7G	P
E1606	461 471 230		6	8	250		9	2.6	100		2.6	A08	TT
E1624	6*2 364 100		6	8.5	250		10.5	2.2	100		2.2	B7G	T
E1654	026 510 310	G1	6	1.5	200	200	10.9	8.5	100	150	8	A08	P
E1662	412 360 500		6	12	250	250	20	2.6	100	150	2.6	B7G	P
E1677	002 300 000	D1	2				15		REC		10mA	B4	R
E1678	026 510 310	G1	13	3	250	100	7.6	1.5	100	100	1.5	B7G	P
E1681	026 540 310		15	13	200	175	35	2.5	100	100	2.5	A08	P
E1682	020 800 310		30				120		REC		30mA	A08	R
E1706	256 051 463		6	8	250	175	80	13	100	100	10	B9G	P
E1709	064 471 230		6	2	250		2	1.3	150		1.3	A08	TT
E1733	009 **8 230		6				60		REC		20mA	B8B	RR
E1736	265 004 130		6	4.4	250	250	40	10.5	100	150	10	B8B	P
E1740	209 008 130		6				30		REC		15mA	B8B	RR
E1751	192 310 800		6				5		D			B7G	RR
E1780	009 **8 230		4				30		REC		15mA	B8B	RR
E1787C	316 541 120		6	9	250	175	50	8	100	100	8	B9G	P
E1794	265 104 130		19	3	250	75	2.5	2.8	100	60	2.8	B8B	P
E1795	280 008 130		50				120		REC		30mA	B8B	R
E1796	265 004 130		80	9.5	200	175	70	10	100	100	9	B8B	P
E1809	265 104 130		6	2	250	100	8	2.8	100	100	2.8	B8B	P
E1813	264 198 130		19	3	250		1	1.2	100		1.2	B8B	DDT
E1816	364 526 300		1.4	7	90	75	7.4	1.5	80	60	1.5	B7G	P
E1835	005 231 600	G1	13	4.4	250	250	40	10.5	100	150	9	B7	P
E1838	264 198 130		6	3	250		1	1.2	100		1.2	B8B	DDT
E1848	264 *98 130		6	2	200		10	1.4	100		1.4	B8B	DDT
E1861	041 230 651		6.3		200	200	19	10	No Data Available			B9A	P
E1884	002 300 000	D1	2				5		D			B4	R
E1912	412 389 600		6	3	250		1	1.2	100		1.2	B7G	DDT

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE	
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V			
E1935	241 657 143		6	26	250	200	30	3.9	100	100	3.9	B9G	PP	
E1938	802 309 100		6				30		REC		15mA	B7G	RR	
E1969	542 376 400		6	{	2	100		5	2.2	100	60	2.8	} B7G	TH
E1976	412 361 500		19		1	250	75	5.3	2.2	250	75	2.5		
E1984	412 36* 500		6		2.5	200	200	8	2.5	100	150	2.5	B7G	P
E1985	281 008 300		40							REC		20mA	B7G	R
E1987	412 36* 500		40		8	200	150	50	10	100	100	9	B7G	P
E1994	471 461 230		13		8	250			2.6	100		2.6	A08	TT
E2004	*2* 0*0 3*0	D1	1.2					5		D			A08	R
E2020N	642 310 000		20	18	200		15	1.5	100			1.6	B5	T
E2047	412 361 500		12.5	2.5	200	200	8	2.5	200	200	2.5	B7G	P	
E2122	902 308 100		6				30		REC		15mA	B7G	RR	
E2128	241 657 143		19	16.5	250	150	30	3.9	100	100	3.9	B9G	PP	
E2134	412 36* 500		6		200	200	55	9.5	100	100	7	B7G	P	
E2153	412 36* 500		13	8	200	150	50	10	100	100	9	B7G	P	
E2178	**1 23* **8		20				120		REC		40mA	B9A	R	
E2179	*41 23* *51	A1	20	12	150	150	50	8.5	100	100	7	B9A	P	
E2185	026 040 310		6	8	250		9	2.6	100		2.6	A08	T	
E2223	*** 23* **8		25				120		REC		30mA	B9A	R	
E2256	**1 23* **8		20				120		REC		40mA	B9A	R	
E2382	021 *4* 350	A1	52		150	150	100	16	No Data Available			A08	P	
E2754	602 441 443		6.3	1.5	150		25	25	No Data Available			B9A	T	
E2965	241 756 143		6.3	18	300	200	40	3.7	No Data Available			B9G	PP	
E7002	*** 23* ***	D	1.4				60		REC		20mA	B9A	R	
E7003	*** 23* ***	D1	6.3						D			B9A	D	
E7004	182 310 900		6.3				5		D			B7G	DD	
E7005	801 23* 9**		6.3						D			B9A	DD	
E7006	801 23* 9**		6.3				30		REC		15mA	B9A	RR	
E7007	*** 23* **8	C	17				120		REC		40mA	B9A	R	
E7010	**1 23* **8		55				120		REC		40mA	B9A	R	
E7011	**1 23* **8		38				180		REC		50mA	B9A	R	
E7013	602 304 100		6.3	2	250		20	5.5	100		5.5	B7G	T	
E7014	602 304 100		9.4	2	250		10	5.5	100		5	B7G	T	
E7015	641 227 413		6.3		100		11	3	100		3	B9A	TT	
E7017	641 227 413		6.3	1	100		0.5	1.2	100		1.2	B9A	TT	
E7019	146 234 117		6.3	1.5	90		12	6	100		6	B9A	TT	
E7020	641 237 410		6.3	2.3	250		10	5.9	100		5	B9A	TT	
E7022	641 237 410		7	1.2	90		15	12.5	No Data Available			B9A	TT	
E7023	146 234 117		7	1.5	100		12	6	100		6	B9A	TT	
E7024	641 237 410		9	2.1	200		10	5.8	100		6	B9A	TT	
E7025	641 237 410		26	2.1	200		10	5.8	100		6	B9A	TT	
E7026	141 230 651		6.3	2	150	150	10	7.4	100	100		B9A	P	
E7027	501 236 014		6.3	2	250	150	3	2.5	100	100		B9A	P	
E7032	126 540 310		6.3	100	250	250	100	11	100	100		A08	P	
E7033	*41 23* *51	A1	6.3	38.5	250	250	32	4.6	100	100		A08	P	
E7034	541 231 600		6.3		200	200	36	10	100	100		B9A	P	

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
E7040	020 540 310	A1	25	21	150	150	100	11	No Data Available			A08	P
E7041	*41 23* *51	A1	21.5	24	150	150	45	6.5	100	100		B9A	P
E7043	541 231 600		15	2.3	150	150	36	10	No Data Available			B9A	P
E7044	*41 23* 6*5		16	6	200	200	34	10	No Data Available			B9A	P
E7051	645 237 114		6.3	{ 1	150		18	8.5	100	60	8	B9A	TP
				{ 1	150	100	10	5.2	100	100			
E7053	414 237 516		6.3	{ 22.5	100		3.5	2.2	100	60	2	B9A	TP
				{ 22.5	250	250	28	5	100	100			
E7055	414 237 516		16	{ 11.5	100		3.5	2.2	100	60	2	B9A	TP
				{ 11.5	150	150	41	7.5	100	100			
E7056	645 237 114		9.5	{ 1	150		18	8.5	100	60	8	B9A	TP
				{ 1	150	100	10	5.2	100	100			
E7059	414 237 516		50	{ 16	100		3.5	2.2	100	60	2.2	B9A	TP
				{ 16	200	200	35	6.8	100	100			
E7060	266 044 300		1.4	2.5	90		2.1	1	80		1	B7G	T
E7062	265 024 300		1.4		90	90	1.6	0.8	80	90		B7G	P
E7066	200 564 300		1.4		90	90	1.1	0.4	80	90	0.4	B7G	P
E7074	641 234 146		6.3	1.5	150		12	14	No Data Available			B9A	T
E7075	641 234 146		3.8	1.5	150		12	14	No Data Available			B9A	T
E7078	041 230 651		6.3	2	250	100	9	4.4	100	100		B9A	P
E7079	041 230 651		12.6	1	150	100	12	4.4	100	100		B9A	P
E7081	020 540 310	A1	6.3	21	150	150	100	11	No Data Available			A08	P
E7087	461 237 145		15	{ 1.7	200		3	4	100	60	4	B9A	TP
				{ 2.1	150	150	18	11	100	100			
E7088	461 237 145		6.3	{ 1.7	200		3	4	100	60	4	B9A	TP
				{ 2.1	150	150	18	11	100	100			
E7108	501 236 014		6.3	2	250	150	3	2	100	100		B9A	P
E7109	156 231 471		6.3	1.1	200	150	13	16.5	No Data Available			B9A	PP
E7110	141 230 651		6.3	3.5	250	250	10	6.8	100	100		B9A	P
E7143	412 314 600		3.1	1	200		11.5	6.7	100		6	B7G	T
E7144	614 237 410		6.3	1.2	90		15	12.5	No Data Available			B9A	TT
E7145	501 236 014		6.3	2	50	50	1.8		No Data Available			B9A	P
EA40	200 800 130		6				5		D			B8A	R
EA50	123 000 000	D1	6						D		6	B3G	D
EA63	541 231 600		6.3	5.5	250	250	36	10.5	No Data Available			B9A	P
EA76	281 380 000		6				5		D			B5B	R
EA111	023 010 000	D1	6.3				60		REC		20mA	F8	R
EA962	200 100 300	D1	6.3						D			B7G	D
AAA11	812 300 190		6.3				5		D			F8	RR
AAA91	182 311 900		6.3				5		D			B7G	DD
AAA901	182 310 900		6.3						D			B7G	DD
AAA901S	182 310 900		6.3						D			B7G	DD
EAB1	023 110 890		6						D			8SC	DDD
EABC80	191 238 146		6	3	250		1	1.2	100		1.3	B9A	DDDT
EAC91	812 314 600		6	3.2	200		7.4	2.8	100		2.8	B7G	DT
EAF21	265 814 130		6.3	2	250	100	6	2.8	100	100		B8G	DP
EAF41	268 154 130		6	4	250	100	5	1.8	100	100	1.8	B8A	DP
EAF42	268 154 130		6	2	250	100	5	1.8	100	100	1.8	B8A	DP



VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
EAF801	541 236 081		6.3	2	250	200	9	3.8	100	100		B9A	DP
EB4	023 180 910		6						D			8SC	DD
EB11	802 301 190		6						D			F8	DD
EB34	029 180 310		6				5		D			A08	DD
EB40	208 090 130		6						D			B8A	DD
EB41	201 908 130		6				5		D			B8A	RR
EB91	192 310 800		6						D			B7G	DD
EB111	023 004 060		4	50	250		60	5.2	100			F8	T
EBC1	023 198 060	G1	6	7	250		4	2	100		2	8SC	DDT
EBC3	023 189 060	G1	6	5.5	250		5	2	100		2	8SC	DDT
EBC11	892 301 460		6	8	250		5	2.2	100		2	F8	DDT
EBC21	264 *89 130		6	5.5	250		5	2	100		2	B8B	DDT
EBC30	023 189 060	G1	6	4.3	200		4	2	150		2	8SC	DDT
EBC33	026 890 310	G1	6	5.5	250		5	2	100		2	A08	DDT
EBC41	264 089 130		6	3	250		1	1.3	100		1.2	B8A	DDT
EBC51	389 060 420		6.3	7.3	250		70	4	100		4	B9G	DDT
EBC80	641 238 090		6.3	3	250		1	1.2	100		1.2	B9A	DDT
EBC81	641 238 09*		6	3	250		1	1.2	100		1.2	B9A	DDT
EBC90	412 389 600		6	3	250		1	1.2	100		1.2	B7G	DDT
EBC91	412 389 600		6	2	250		1.2	1.6	100		1.6	B7G	DDT
EBF1	023 189 560	G1	6	3	250	125	9	1.1	100	100	1.1	8SC	DDP
EBF2	023 189 560	G1	6	2	250	100	5	1.8	100	150	1.8	8SC	DDP
EBF2G	206 589 130	G1	6.3	2	250	100	5	1.8	100	100	1.8	A08	DDP
EBF11	892 361 450		6	2	250	100	5	1.8	100	100	1.8	F8	DDP
EBF15	982 361 450		6	2	250	100	12	5	100	100	5	F8	DDP
EBF21	268 954 130		6	3.2	250	100	7.5	2.2	100	100		B8G	DDP
EBF32	026 895 310	G1	6	2	250	100	5	1.8	100	100	1.8	A08	DDP
EBF35	216 589 130	G1	6	2	250	100	5	1.8	100	100	1.8	A08	DDP
EBF80	541 236 891		6	2	250	90	5	2.2	100	90	2.2	B9A	DDP
EBF81	541 236 891		6	2	250	75	6.7	1.1	100	100		B9A	DDP
EBF83	541 236 891		6.3		12	12	0.4	1	No Data Available			B9A	DDP
EBF89	541 236 891		6.3	2	250	100	9	3.8	100	100		B9A	DDP
EBF171	892 541 360		6.3	3.2	250	80	6	1.8	100	80		B8B	DDP
EBL1	023 189 560	G1	6	6	250	250	36	9.5	100	150	9	8SC	DDP
EBL21	264 598 130		6	6	250	250	36	9	100	150	9	B8B	DDP
EBL31	026 895 310	G1	6	6	250	250	36	9.5	100	150	9	A08	DDP
EBL71	264 589 130		6	5	250	250	44	9.5	250	200	9.5	A08	DDP
EC2	023 100 060	G1	6	5.5	250		6	2.5	100		1.5	8SC	T
EC21	206 401 003		6	4	250		5	2.7	100		2.5	B9G	T
EC31	026 040 310		6	16	250		20	3.2	100		3.2	A08	T
EC40	244 644 130		6	1.5	300		15	12	100		9	B8A	T
EC41	206 040 130		6	5.5	200		20	4.5	125		4	B8A	T
EC52	241 600 003		6	2.6	250		10	6.5	100		6.5	B9G	T
EC53	123 000 000	A1G1	6	3.3	200		7.5	2.9	100		2.9	B3G	T
EC54	244 644 413		6	1.5	250		10	9	100		7	B9G	T
EC56	*21 0*0 310	A1G1	6.3	1.8	200		30	15	No Data Available			A08	T
EC57	*21 0*0 310	A1G1	6.3	1.8	200		30	15	No Data Available			A08	T

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
EC70	462 603 160		6	2	100		13	5.5	100		5.5	B8D	T
EC71	402 013 060		6.3		100		8.5	5.8	100		5.8	B8D	T
EC80	441 230 446		6	1.5	250		15	12	150		10	B9A	T
EC81	401 230 060		6	2	150		30	5.5	100		3	B9A	T
EC84	414 464 234		6.3	1.1	150		16	10	100		10	B9A	T
EC86	641 234 146		6.3	1.5	75		12	14	No Data Available			B9A	T
EC86C	641 234 146		6.3	1.5	200		12	14	No Data Available			B9A	T
EC88	414 234 464		6	1.2	150		12.5	14	No Data Available			B9A	T
EC90	6*2 364 100		6	8.5	250		10.5	2.2	100		3.3	B7G	T
EC91	412 314 600		6	2	250		6	8.5	200		8	B7G	T
EC92	602 304 100		6	2	250		10	5	100		5	B7G	T
EC93	642 314 600		6	4	100		16	8	100		8	B7G	T
EC94	642 314 600		6.3	2.5	100		16	6.6	100		6.6	B7G	T
EC95	142 361 700		6.3	1.2	200		10	10.5	No Data Available			B7G	T
EC96	412 314 600		6.3	1	200		11.5	6.7	100		5	B7G	T
EC97	142 236 100		6.3	1	150		11	13	No Data Available			B7G	T
EC98	412 344 600		6.3	1.3	150		13.5	13.5	No Data Available			B7G	T
EC157	*21 0*0 310	A1 G1	6.3	2	200		44	22	No Data Available			A08	T
EC158	*21 0*0 310	A1 G1	6.3	4	200		68	15	No Data Available			A08	T
EC760	462 603 160		6.3	2.4	150		13	6.5	100			B8D	T
EC806S	641 234 146		6.3		200		12	14	No Data Available			B9A	T
EC900	412 360 100		6.3	1	150		11.5	14.5	No Data Available			B7G	T
EC903	642 314 600		6.3	4	100		16	8	100			B7G	T
EC1000	102 *13 060	G1	6.3	2	80		14	14.5	No Data Available			B8D	T
EC1030	444 123 460		6.3		100		7	16	No Data Available			B8D	T
EC1031	444 123 460		6.3		100		7	16	No Data Available			B8D	T
EC8010	414 234 464		6.3		200		25	28	No Data Available			B9A	T
EC8020	414 234 464		6.3	2.4	200		40	60	No Data Available			B9A	T
ECC31	027 446 310		6	4.6	250		6	2.3	100		2.3	A08	TT
ECC32	461 471 230		6	4.6	250		6	2.3	100		2.3	A08	TT
ECC33	461 471 230		6	4	250		9	3.8	100		3.6	A08	TT
ECC34	461 471 230		6	16	250		10	2.2	100		2.2	A08	TT
ECC35	461 471 230		6	2.5	250		2.3	2	100		2	A08	TT
ECC40	274 164 130		6	5.2	250		6	2.7	100		2.7	B8A	TT
ECC70	742 113 460		6.3	1	100		6.5	5.4	100		5.4	B8D	TT
ECC81	741 226 413		6	2	250		10	5.5	150		5	B9A	TT
ECC82	741 226 413		6	8.5	250		10.5	2.2	100		2	B9A	TT
ECC83	741 226 413		6	2	250		1.2	1.6	150		1.6	B9A	TT
ECC84	147 234 116		6	1.5	90		12	6	100		6	B9A	TT
ECC85	741 236 410		6	2.3	250		10	5.9	100		5	B9A	TT
ECC86	641 237 410		6.3	0.3	12		2.5	4.6	No Data Available			B9A	TT
ECC88	741 236 410		6.3	1.2	90		15	12.6	No Data Available			B9A	TT
ECC89	146 234 117		6.3	1.2	90		15	12	No Data Available			B9A	TT
φECC91	672 344 100		6	0.8	100		8.5	5.3	100		5.3	B7G	TT
				3	150		5	4.5	100		5.3		
ECC180	641 237 410		6.3	2	150		9	6.4	100		6.3	B9A	TT
ECC186	641 227 413		6.3	8.5	250		10.5	2.2	100		3.1	B9A	TT

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE	
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V			
ECC189	641 327 410		6.3	1.2	90		15	12.5	No Data Available			B9A	TT	
ECC230	461 471 230		6	30	100		100	6.5	No Data Available			A08	TT	
ECC282	641 227 413		6.3		100		11.8	3.1	100		3.1	B9A	TT	
ECC801	641 227 413		6.3		250		10	5.5	100			B9A	TT	
ECC801S	641 227 413		6.3		250		10	5.5	100			B9A	TT	
ECC802	641 227 413		6.3	8.5	250		10.5	2.2	100		2	B9A	TT	
ECC802S	641 227 413		6.3	8.5	250		10.5	2.2	100		2	B9A	TT	
ECC803	641 227 413		6	2	250		1.2	1.6	100		1.6	B9A	TT	
ECC803S	641 227 413		6.3	2	250		1.2	1.6	100		1.6	B9A	TT	
ECC804	641 237 410		6.3	7.7	200		10	3.4	100		3	B9A	TT	
ECC807	147 231 064		6.3	1.5	250		1.3	2.4	100		2.4	B9A	TT	
ECC808	416 230 714		6.3	1.9	250		1.2	1.6	100		1.6	B9A	TT	
ECC813	614 227 143		6.3		250		14.5	5.2	100		5	B9A	TT	
ECC865	641 237 410		6.3	14	200		8.7	6	100		6.5	B9A	TT	
ECC960	672 344 100		6.3	2.1	100		8.5	6	100		6	B7G	TT	
ECC962	672 344 100		6.3	1.7	150		8.5	6	100		6	B7G	TT	
ECC8100	141 237 416		6.3	}	100		25	16	No Data Available			}B9A	TT	
					100		25	20	No Data Available					
ECF1	023 164 570	G1	6.3	}	3	150		8	2.2	150	60	2.6	}8SC	TP
					2	250	100	5	2.5	100	100	2.5		
ECF12	642 371 450		6	}	100		11	3	100	60	3	}F8	TP	
					2	250	100	5	2	100	100			2
ECF80	645 237 114		6	}	100		14	5	100	60	5	}B9A	TP	
					3	250	200	7	5.5	150	150			5
ECF82	645 237 114		6	}	1	150		18	8.5	100	60	7	}B9A	TP
					1	250	100	10	5.2	100	100	5		
ECF83	146 237 514		6.3	}	3.7	60		6.5	3.6	80	60		}B9A	TP
					60	50	3	1.3	80	60				
ECF86	141 234 675		6	}	3	100		14	5.5	100	60	6	}B9A	TP
					1.2	200	150	10	12	100	100			
ECF801	141 236 574		6.3	}	3	100		15	8.5	100	60		}B9A	TP
					1.2	150	100	10	10	100	100			
ECF802	141 237 564		6.3	}	2	200		3.5	3.5	100	60	3	}B9A	TP
					1	100	100	6	5.5	100	100	5		
ECF804	645 237 114		6.3	}	1.5	150		13.5	7.2	100	60	7	}B9A	TP
					2	150	150	7	11	100	100			
ECF805	657 231 414		6.3	}	3	100		14	5.5	100		6	}B9A	TP
					1.5	100	100	10	11	100	100			
ECF8070	141 237 564		6.3	}	3	100		14	5.5	100	60	6	}B9A	TP
					1.2	200	150	10	12	No Data Available				
ECH2	023 164 570	G1	6	}	1	100		9.5	5.5	100	60	5	}8SC	TH
					2.5	250	100	3.2		200	100	3		
ECH3	023 164 570	G1	6	}	2	100		5	2.4	100	60	2.8	}8SC	TH
					2	250	100	4.8	2.5	200	100	2.5		
ECH3G	027 546 310	G	6	}	2	100		5	1.4	100	60	2.8	}A08	TH
					2	250	100	4.8	2.5	100	100			
ECH4	123 614 570	G1	6	}	2	100		6.3	2.7	100	60	2.2	}8SC	TH
					2	250	100	6.5	2.6	100	150	2.6		

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
ECH4G	127 546 310	G	6.3	2	100		6.3	2.7	100	60	2.2	A08	TH
				2	250	200	6.5	2.6	100	150	2.6		
ECH11	642 371 450		6	2	100		5	2.4	100	60	2.8	F8	TH
				2	250	100	4.7	2.5	200	100	2.5		
ECH21	276 454 130		6	2	100		6.2	2.4	100	60	3.2	B8B	TH
				2	250	90	5.3	2.2	100	90	2.2		
ECH33	027 546 310	G1	6	2	100		5	2.4	100	60	2.8	A08	TH
				2	200	100	3	2.8	100	100			
ECH35	027 546 310	G1	6	2	100		5.4	2.2	100	60	2.8	A08	TH
				2	250	100	5	2.4	100	100	1.2		
ECH41	276 454 130		6	2	100		5	2.2	100	60	2.2	B8A	TH
				2	250	100	3	2	100	100	2.4		
ECH42	276 454 130		6	2	100		5	2.2	100	60	2.8	B8A	TH
				2	250	100	8	2	100	100	3.2		
ECH43	276 454 130		6	2	100		5	2.2	100	60	2.2	B8A	TH
				2	250	100	8	2	100	100	2		
ECH71	276 454 431		6	2	250		2		100	60		B8B	TH
				2	250	100	3	0.7	100	100			
ECH80	541 23* 674		6.3	2	75		5		100	60		B9A	TH
				2	250	75	3		100	80			
ECH81	541 237 164		6	3	100		5	2.3	100	60	2.3	B9A	TH
				2	250	100	6.5	2.4	150	100	2.4		
ECH83	541 237 564		6	0.25	12		0.7	1.4	No Data Available			B9A	TH
				0.5	12	12	0.4	0.7					
ECH84	441 237 564		6	1	50		3.7	8	No Data Available			B9A	TP
					150	12	1.7	2.2					
ECH113	276 454 130		6	2	100		4.8		100	60		B8A	TH
					250	90	3		100	100			
ECH171	642 544 371		6	2	250		3		100	60		B8B	TH
				2	250	75	2		100	60			
ECH8000	541 237 464		6.3	1.5	100		11	4.2	100	60	4.2	B9A	TH
				1.5	250	100	9	5	100	60			
ECL11	452 371 460		6	2.5	250		2		100	60	2	F8	TP
				6	250	250	36	9	100	150	7		
ECL80	641 237 154		6	2.3	100		4	1.4	100	60	1.4	B9A	TP
				8	200	200	17.5	3.3	100	150	3		
ECL81	451 237 614		6	1.9	150		1.3	1.6	100	60	1.2	B9A	TH
				5.5	250	250	36	8.7	100	100			
ECL82	414 237 516		6.3	1	200		3.7	2.4	100	60	2.5	B9A	TP
				16	200	200	35	6.4	100	100	6		
ECL83	641 237 154		6.3	1.5	200		1.6	2.5	100	60	2.5	B9A	TP
				9.5	200	175	30	5.5	100	100	5		
ECL84	641 237 145		6	1.7	200		3	4	100	60	4	B9A	TP
				2.9	200	200	18	10.4	100	100			
ECL85	641 237 514		6	0.8	100		5	6.5	100	60	6.5	B9A	TP
				15	200	175	41	7.5	100	100			
ECL86	415 237 146		6	1.9	250		1.2	1.6	100	60	1.6	B9A	TP
				7	250	250	36	10	100	100			
ECL113	267 454 130		6	1	150		2	1.6	100	60	1.6	B8A	TP
				3.5	250	250	25	8.5	100	150	8.5		

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
ECLL800	647 234 1†5		6.3	{ 9.0	100		4	0.05	100	60		B9A	TPP
ED111	266 104 430		6.3	9.0	250	250	26	6.0	100	100			B8A
EDD11	742 301 460		6	8	200		3.5		200		3.5	F8	TT
EDD111	742 311 460		6	8	250		9	2.3	100		2.3	F8	TT
EE1	023 180 560		6.3	2.5	250	150	8	14	No Data Available			F8	DP
EE50	256 501 403		6.3	3	250	250	10	14	250	150	10	B9G	P
EE80	*41 231 650		6.3		200	200	10	12.5	No Data Available			B9A	P
EEL71	274 554 631		6.3	6.5	250	250	24	6.5	100	100		B9G	PP
EEP1	023 180 560	G1	6.3	2.5	250	150	8	17	No Data Available			8SC	DP
EEP71	023 110 560	G1	6	3	250	100	8	2.2	100	100		8SC	P
EEL171	542 654 371		6.3	{ 12	250	250	40	9	100	100		B8B	PP
EEL171	216 000 300	G1	6.3	2	100	50	3		100	60			B7
EEL171	036 080 200		6.3	2	100	50	2		100	60		A08	DT
EF1	023 110 560	G1	6	2	250	100	3	2.3	100	100	2.3	8SC	P
EF2	023 110 560	G1	6	2	250	100	4.5	2.2	100	100	2.2	8SC	P
EF2S	023 110 560	G1	6.3	2	250	100	5	1.8	100	100		8SC	P
EF3	023 110 560	G1	6	2.5	250	100	8	1.8	100	100	1.8	8SC	P
EF5	023 110 560	G1	6	3	250	100	8	1.7	100	100	1.7	8SC	P
EF6	023 110 560	G1	6	2	250	100	3	2	100	100	2	8SC	P
EF6N	023 110 560	G1	6.3	2	250	100	3	2.1	100	100	2	8SC	P
EF7	023 110 560	G1	6	1.5	250	100	3	2.1	100	100	2.1	8SC	P
EF8	023 111 560	G1	6	2.5	250	250	8	1.8	100	150	1.8	8SC	P
EF9	023 110 560	G1	6	2.5	250	100	6	2.2	100	100	2.2	8SC	P
EF9N	023 110 560	G1	6.3	2.5	250	100	6	2.2	100	100	2.2	8SC	P
EF11	602 301 450		6	2	250	100	6	2.2	100	100	2	F8	P
EF12	602 301 450		6	2	250	100	3	2.1	100	100	2	F8	P
EF12spec.	602 301 450		6.3	2	250	100	3	1.7	100	100	1.5	F8	P
EF13	612 301 450		6	2	250	100	4.5	2.3	100	100	2	F8	P
EF14	612 350 140		6	4.5	200	200	12	7	100	150	6	F8	P
EF15	612 301 450		6	2	250	100	12	5.5	100	100	5	F8	P
EF22	265 104 130		6	2.5	250	100	6	2.2	100	100	2.2	B8B	P
EF25	023 110 560	G1	6	2	250	100	5	1.8	100	100	1.8	8SC	P
EF36	026 510 310	G1	6	2	250	100	3	1.8	100	100	1.8	A08	P
EF37	026 510 310	G1	6	2	250	100	3	1.8	100	100	1.8	A08	P
EF37A	026 510 310	G1	6	2	250	100	3	1.8	100	100	1.8	A08	P
EF38	126 510 310	G1	6	2.5	250	250	8	1.8	100	150	1.8	A08	P
EF39	026 510 310	G1	6	2.5	250	100	6	2.2	100	100	2.2	A08	P
EF40	26* 145 130		6	2	250	150	3	1.8	100	150	1.8	B8A	P
EF41	261 154 130		6	2.5	250	100	6	2.2	100	100	2.2	B8A	P
EF42	260 154 130		6	2	250	250	10	9.5	100	150	8	B8A	P
EF43	260 154 130		6	2	250	150	15	6.4	100	150	6	B8A	P
EF44	260 145 130		6.3	2	250	150	3	1.8	100	150	1.8	B8A	P
EF50	256 101 403		6	1.5	250	250	10	6.5	100	150	6	B9G	P
EF51	261 154 130		6	2	250	250	14	9.5	100	150	9	B8B	P
EF52	261 154 130		6	2	250	250	10	10	100	150	8	B8G	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
EF53	256 101 403		6	2	250	250	10	6.5	100	150	6.5	B9G	P
EF54	265 114 113		6	1.7	250	250	10	7.7	100	150	7	B9G	P
EF55	256 101 403		6	4	250	150	10	7	100	100	6	B9G	P
EF70	412 163 510		6	2	100	100	3	2.5	100	100	2.5	B8D	P
EF71	412 163 510		6	2	100	100	13	5.5	100	100	4.5	B8D	P
EF72	412 163 510		6	1.4	100	100	7	5	100	100	5	B8D	P
EF73	412 653 160		6	2	100	100	7.5	5.5	100	100	5	B8D	P
EF74	412 653 160		6.3	1.4	100	100	7	3.1	100	100	3	B8D	P
EF80	141 230 651		6	2	200	175	10	7.2	100	100	6	B9A	P
EF81	541 236 000		6.3	2.5	250	125	6	2.2	100	100		B9A	P
EF82	*41 230 651		6	4.5	250	250	40	11	100	150	9	B9A	P
EF83	501 236 014		6.3	1.6	250	50	4	1.6	100	100	2	B9A	P
EF85	141 230 651		6	2	250	100	10	6	150	100	5	B9A	P
EF86	501 236 014		6	2	250	150	3	2.3	100	100	1.8	B9A	P
EF87	501 236 014		6.3	2	250	100	3.3	1.9	100	100		B9A	P
EF88	501 236 014		6.3	2	250	100	7	2.1	100	100		B9A	P
EF89	041 230 651		6	2	250	100	9	3.6	250	100	3.6	B9A	P
EF89F	041 230 651		6.3	20	250	100	11	4.4	100	100	5	B9A	P
ξ EF91	412 361 500		6	2	250	250	10	7.6	100	150	5	B7G	P
				1.5	200	150	4	6.4	100	150	5		
EF92	412 361 500		6	2.5	250	200	8	2.5	100	150	2.5	B7G	P
EF93	412 365 100		6	1	250	100	11.6	4.5	150	100	4	B7G	P
EF94	412 365 100		6	1	250	150	10.6	5.2	100	150	5.2	B7G	P
EF95	412 365 100		6	2.3	150	150	7	4.3	100	100	4	B7G	P
EF96	412 365 100		6	1.5	250	150	6.5	5	100	100	5	B7G	P
EF97	412 365 100		6.3	0.7	12	12			No Data Available			B7G	P
EF98	412 365 100		6.3	1	12	12	4.8	3	No Data Available			B7G	P
EF111	612 350 140		6.3	2	250	75	6	2.2	No Data Available			F8	P
EF112	612 350 140		6.3	2	250	100	3	2.1	100	100		F8	P
EF172	112 540 360		6.3	2	250	100	5	3	100	100		B8A	P
EF174	112 540 360		6.3	3.5	200	200	12	9	100	100		B8A	P
EF175	112 540 360		6.3	2.1	250	100	12	4.5	100	100		B8A	P
EF183	141 230 651		6	2	200	90	12	12.5	No Data Available			B9A	P
EF184	141 230 651		6.3	2.5	200	200	10	15	No Data Available			B9A	P
EF186	641 230 651		6.3	0.5	200	50			100	60		B9A	P
EF190	412 365 100		6.3	2	200	150	9.5	6.2	100	100		B7G	P
EF410	26* *54 130		6.3	2	250	100	6	2.7	100	100		B8A	P
EF730	562 603 160		6.3	1	100	100	5.3	3.2	100	100	3.5	B8D	P
EF731	412 163 510		6.3		100	100	7.2	4.5	100	100	4.5	B8D	P
EF732	412 163 510		6.3	1.5	100	100	7.5	5	100	100	5	B8D	P
EF734	412 163 510		6.3	1.5	100	100	7.5	5	100	100	5	B8D	P
EF762	412 163 510		6.3	1.5	100	100	7.5	5	100	100	5	B8D	P
EF800	141 230 651		6.3	2	200	175	10	7.2	100	100		B9A	P
EF802	141 23* 65*		6.3	1.8	200	175	12	8	100	100		B9A	P
EF804	101 230 654		6.3	2	250	150	3	2	100	100		B9A	P
EF804S	101 230 654		6.3	2	250	150	3	2	100	100		B9A	P
EF805S	141 230 651		6.3	1.8	250	75	8	5.7	100	80		B9A	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
EF806S	501 236 014		6.3		250	150	3.2	2	100	100		B9A	P
EF811	141 235 680		6.3	1.5	200	90	11.5	12.5	No Data Available			B9A	DP
EF812	141 230 651		6.3	1.8	150	150	10		100	100		B9A	P
EF814	141 230 651		6.3	1.9	150	150	10		100	100		B9A	P
EF860	141 230 651		6.3		250	250	10	6.8	100	100		B9A	P
EF861	141 230 615		6.3	1.1	200	150	13	16.5	No Data Available			B9A	P
EF866	501 236 014		6.3	2	250	150	3	2	100	100	2	B9A	P
EF905	412 365 100		6.3	2	150	125	7.5	5	100	100		B7G	P
EF8010	141 230 651		6.3	2	200	100	12	12.5	No Data Available			B9A	P
EF8200	141 235 615		6.3		200	150	22	35	No Data Available			B9A	P
EFF50	265 414 573		6	2	250	200	6	8	100	150	7	B9G	PP
EFF51	265 414 573		6	2	250	200	6	8	100	150	7	B9G	PP
EFM1	023 114 560		6	2	250	100	1.3		No Data Available			8SC	1P
EFP20	256 145 130		6.3	2	250	200	5	12	100	100		B8G	P
EFP60	214 156 163		6.3	2	250	150	20	25	100	100		B9G	P
EG420	802 300 000		4				120		REC		30mA	B4	R
EH1	023 145 560	G1	6	2	250	80	3	1.8	200	75	1.8	8SC	P
EH2	023 115 560	G1	6	3	250	100	4.2	1.4	100	100	1.4	8SC	P
EH90	412 365 100		6.3	1	100	30	1	1.1	No Data Available			B7G	H
EH900	412 365 100		6.3		150	80	1	1.1	100	90		B7G	H
EH900S	412 365 100		6.3	10	150	75	0.2		100	60		B7G	H
EK1	123 164 570	G1	6	{ 1.5 8.5	250	75	2	1.6	100	75		8SC	0
EK2	023 154 560	G1	6	2	250	75	2.8	1.8	100	60	2.1	8SC	0
EK2G	026 545 310		6.3	2	250	75	2.7	1.8	100	60	2.1	A08	0
EK3	023 154 560	G1	6	2	100	60	11	3.8	100	60	3.8	8SC	0
EK32	026 545 310	G1	6	2	250	75	1.5	1.5	100	60	2.1	A08	0
EK90	412 366 100		6	2	100		11	7	100		5	B7G	H
EL1	023 100 560	G1	6	18.5	250	250	32	2.6	100	150	2.6	8SC	P
EL2	023 100 560	G1	6	18	250	250	32	2.8	100	150	2.8	8SC	P
EL3	023 104 560		6	6	250	250	36	9	100	150	9	8SC	P
EL3/375	023 104 560		6.3	6	250	250	36	9	100	150	8	8SC	P
EL3/425	023 104 560		6.3	15.6	400	300	25	3	No Data Available			8SC	P
EL3N	023 104 560		6.3	6	250	250	36	9	100	150	8	8SC	P
EL3NG	023 104 560		6.3	6	250	250	36	9	100	100		8SC	P
EL3NG	026 540 310		6.3	6	250	250	36	9	100	150	8	A08	P
EL5	023 104 560		6	14	250	275	72	8.5	100	150	8.5	8SC	P
EL5/375	023 140 560		6.3	14	250	275	72	8.5	No Data Available			8SC	P
EL5/600	023 114 500	A1	6.3		250	275	72	8.5	100	150	8.5	8SC	P
EL5G	026 540 310		6.3	14	250	275	72	8.5	100	150	8.5	A08	P
EL6	023 104 560		6	4	250	250	72	14.5	100	150	10	8SC	P
EL6/435	023 104 560		6.3	7.5	250	250	20	5.5	100	100		8SC	P
EL6spec.	023 104 560		6.3	7	250	250	72	14.5	100	150	10	8SC	P
EL8	023 104 560		6.3	7.5	250	250	20	5.5	100	150		8SC	P
EL11	602 301 450		6	6	250	250	36	9	100	150	7	F8	P
EL11N	602 301 450		6.3	6	250	250	36	9	100	150	7	F8	P
EL12	602 301 450		6	7	250	250	72	15	No Data Available			F8	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
EL12/325	602 301 450		6.3	7	250	250	72	18	No Data Available			F8	P
EL12/375	602 301 450		6.3	7	400	250	72	15	No Data Available			F8	P
EL12spec.	502 301 400	A1	6.3	19	400	350	42	10	No Data Available			F8	P
EL13	602 310 450		6.3	7.5	250	250	20	5.5	100	150	5	F8	P
EL20	265 104 130		6	34	300	300	12.5	3.7	100	100		B8B	P
EL22	265 004 130		6	7	250	250	44	9.5	100	150	9	B8B	P
EL30	026 541 310		6.3	4.5	250	250	18	6.5	100	100		A08	P
EL31	120 540 310	A1	6	9	300	275	91	14	100	150	10	A08	P
EL32	026 500 310	G1	6	18	250	250	32	2.8	100	150	2.8	A08	P
EL33	026 540 310		6	6	250	250	36	9	100	150	8	A08	P
EL33A	026 540 310		6.3	6	250	250	36	9	100	100		A08	P
EL34	126 540 310		6	13.5	250	250	75	11	100	100	8	A08	P
EL35	026 540 310		6	15.5	250	250	72	5	100	150	5	A08	P
EL36	*2* 54* 310	A1	6	8.2	100	100	77	11	100	150	10	A08	F
EL36	026 540 310		6.3	4	250	250	72	14.5	100	150	10	A08	P
EL37	026 540 310		6	13.5	250	250	100	11	100	150	10	A08	P
EL38	120 540 310	A1	6	7	250	250	89	14.3	100	150	10	A08	P
EL38N	120 540 310	A1	6	7	250	250	89	14.3	100	150	10	A08	P
EL39	020 541 310	A1	6	3.2	200	125	45	6.5	100	100		A08	P
EL41	26* *54 130		6	7	250	250	36	10	100	150	8	B8A	P
EL42	261 054 130		6	10.8	225	225	26	3.2	100	150	3.2	B8A	P
EL43	260 154 130		6	3	250	250	36	10	100	150	8	B8A	P
EL44	200 154 130	A1	6	22.5	250	250	20	5	100	150	5	B8A	P
EL50	023 114 500	A1	6	14	250	275	72	8.5	100	150	8	8SC	P
EL51	023 104 500	A1	6		400	300	44	7	100	150	7	8SC	P
EL53	023 104 560		6	7.7	400	250	24	8	100	150	7	8SC	P
EL54	023 140 560		6	12.2	300	300	55	13	No Data Available			8SC	P
EL60	216 005 413		6	14.5	250	250	67	9	100	100	8	B9G	P
EL70	412 163 510		6	9	100	100	31	2.2	100	90	2.2	B8D	P
EL71	412 163 510		6.3	8.5	100	100	30	4	100	100		B8D	P
EL80	541 230 600		6.3	6.5	250	250	36	10	100	150	9	B9A	P
EL81	*41 23* *51	A1	6	38.5	250	250	32	4.6	100	100	2.2	B9A	P
EL81P	*41 23* *51	A1	6.3	38.5	250	250	32	4.6	100	100	2.2	B9A	P
EL82	*41 23* 6*5		6.3	10.4	200	200	54	9	100	100		B9A	P
EL83	541 23* 600		6	5.5	250	250	36	10	100	150	9	B9A	P
EL84	*41 23* 6*5		6	7.3	250	250	48	11.3	100	150	10	B9A	P
EL85	441 231 615		6	10.8	250	225	26	3.2	100	150	3.2	B9A	P
EL86	*41 23* 6*5		6.3	12.5	200	175	70	10	100	100		B9A	P
EL86F	*41 23* 6*5		6.3		200	200	70	10	No Data Available			B9A	P
EL88	041 230 651		6.3	4.5	200	200	33	9.7	100	100		B9A	P
EL89	041 230 651		6.3	6	250	250	38	10.5	100	100		B9A	P
EL90	412 365 400		6	12.5	250	250	45	4.1	100	150	4	B7G	P
EL91	412 360 500		6	13.8	250	250	16	2.6	100	150	2.6	B7G	P
EL95	412 365 400		6.3	9	250	250	24	5	100	100		B7G	P
EL131	126 54* 310		6.3	12	250	250	100	11	No Data Available			A08	P
EL150	602 301 450		6.3	7	350	250	95	6.5	No Data Available			F8	P
EL152	612 541 300		6.3	33	400	250	50	4	100	100		B7G	P



VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
EL171	102 541 360		6.3	12	250	250	40	9	No Data Available			B8A	P
EL172	102 541 360		6.3	7	250	250	72	15	No Data Available			B8A	P
EL180	141 223 651		6.3	2	250	150	25	12	100	100		B9A	P
EL183	141 226 513		6.3	2.1	200	200	40	25	No Data Available			B9A	P
EL300	521 441 350		6.3	22.5	200	150	100	10	No Data Available			B8A	P
EL360	*2* 540 310	A1	6.3	7.7	100	100	100	14	No Data Available			A08	P
EL500	441 235 51*	A1	6.3	20	150	150	70	10	No Data Available			B9A	P
EL803	541 231 600		6.3	3.5	200	200	36	10	100	100		B9A	P
EL803S	641 321 600		6.3		200	200	32	10	No Data Available			B9A	P
EL804	041 230 005	A1	6.3	12	200	175	70	10	100	100		B9A	P
EL820	*41 23* *51	A1	6	38.5	250	250	32	4.6	100	150	4	B9A	P
EL821	*41 23* 651		6	4.5	250	250	40	11	100	150	10	B9A	P
EL822	*41 23* 651		6	2.5	250	150	40	13	100	100	10	B9A	P
EL861	041 230 651		6.3		200	200	20	11	No Data Available			B9A	P
EL863	541 231 600		6.3	5.5	250	250	36	11	No Data Available			B9A	P
EL3010	231 145 210	A1	6.3		350	100	100	60	No Data Available			A08	P
EL8000	141 235 615		6.3		250	250	48	50	No Data Available			B9A	P
ELL1	423 174 560		6	20	250	250	15	1.7	100	150	1.8	8SC	PP
ELL80	546 234 175		6.3	9.0	250	250	24	6.0	100	100		B9A	PP
ELP71	023 104 560		6	7	250	250	36	9	100	150		8SC	P
ELP72	023 100 560	G1	6	17	250	250	36	2.5	100	150		8SC	P
ELP73	023 100 560	G1	6	17	250	250	36	2.5	100	150		8SC	P
EMG1	452 361 100		6.3	4.5	20	20	7	4	No Data Available			B7G	P
EQ80	541 236 114		6	1	250	20	0.9	0.7	No Data Available			B9A	N
ER4	002 300 000	D1	4				3		D			B4	D
EW60	280 000 103		6				120		REC		30mA	B9G	R
EY51	023 000 000	D1	6						D			B3G	D
EY70	082 813 080		6				30		REC		17mA	B8D	R
EY80	**1 23* **8		6				120		REC		40mA	B9A	R
EY81	*** 23* **8	C	6.3				120		REC		40mA	B9A	R
EY82	**1 23* **8		6.3				180		REC		50mA	B9A	R
EY83	*** 23* **8	C	6.3						D			B9A	D
EY84	**1 23* ***	D1	6				120		REC		30mA	B9A	R
EY86	23* 232 *32	D1	6						D			B9A	D
EY87	23* 232 *32	D1	6.3						D			B9A	D
EY88	*** 23* **8	C1	6.3				120		REC		40mA	B9A	R
EY89	**1 23* **8		6.3				120		REC		30mA	B9A	R
EY91	812 380 000		6				60		REC		20mA	B7G	R
EY92	002 360 100		6.3				60		REC		15mA	B7G	R
EY3000	023 100 000	D1	6.3				120		REC		20mA	8SC	R
EY3000N	023 100 000	D	6.3				120		REC		30mA	8SC	R
EYY13	230 238 090		6.3				120		REC		30mA	F8	RR
EZ1	023 180 090		6				30		REC		15mA	8SC	RR
EZ2	023 180 090		6				30		REC		15mA	8SC	RR
EZ3	023 180 090		6				60		REC		20mA	8SC	RR
EZ4	023 180 090		6				60		REC		20mA	8SC	RR
EZ11	902 300 180		6				30		REC		15mA	F8	RR

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
EZ12	902 300 180		6				60		REC		20mA	F8	RR
EZ22	208 009 130		6				60		REC		20mA	B8B	RR
EZ33	028 090 310		6				60		REC		20mA	A08	RR
EZ35	028 090 310		6				30		REC		45mA	A08	RR
EZ40	280 *09 130		6				30		REC		25mA	B8A	RR
EZ41	280 009 130		6				30		REC		30mA	B8A	RR
EZ80	9*1 23* 8**		6				30		REC		35mA	B9A	RR
EZ81	8*1 23* 9**		6				60		REC		25mA	B9A	RR
EZ82	8*1 23* 9**		6.3				30		REC		15mA	B9A	RR
EZ90	802 309 100		6.3				30		REC		15mA	B7G	RR
EZ91	802 309 100		6.3				30		REC		15mA	B7G	RR
EZ900	802 309 100		6.3				30		REC		15mA	B7G	RR
F2A11	602 301 450		6.3	6.5	250	250	100	18	No Data Available			F8	P
F5	642 300 000		4	40	300		40	6	100		6	B4	T
F10	642 300 000		4	15	300		30	5.5	100		5.5	B4	T
F100	642 350 000		4	16	250	250	42	2.5	100	150	2.5	B5	P
F109	264 300 000		1.5	14.5	200		6.2	11.5	100		11	UX4	T
F109A	642 300 000		1.5	14.5	200		6.2	1.2	100			B5	T
F109A	264 300 000		1.5	14.5	200		6.3	1.2	100			UX4	T
F203	264 300 000		2.5	50	300		36	2	100			UX4	T
F203	642 300 000		2.5	56	300		36	2	150		2	B4	P
F209	642 300 000		2.5	21	250		5.2	0.9	100			B4	T
F209	264 300 000		2.5	21	250		5.2	0.9	100			UX4	T
F209A	642 310 000		2.5	21	250		5	1	100		1	B5	T
F215	264 130 000		2.5	6	150		6.5	2	100		2	UX5	T
F215	642 310 000		2.5	6	150		6.5	2	100		2	B5	T
F242	265 130 000	G1	2.5	1.3	200	100	1.5	0.9	200	100	0.9	UX5	P
F410	642 300 000		4	15	300		13.5	2.8	100		2.8	B4	T
F443	642 350 000		4	30	400	200	45	3.2	100	100	3.2	B5	P
F443N	642 350 000		4	30	400	200	45	3.2	100	100	3.2	B5	P
F460	642 310 000		4	2	250		10	5.5	200		5.5	B5	T
F704	642 300 000		7.5	84	400		55	2.1	100		2.1	B5	T
F707	642 300 000		7.5	84	400		55	2.1	100		2.1	B4	T
F707	264 300 000		7.5	84	400		55	2.1	100		2.1	UX4	T
F708	264 300 000		7.5		400		30	1.6	100		1.6	UX4	T
F/7001	412 365 100		6.3		150	125	35	4.8	100	100	4	B7G	P
FC2	645 230 700	G1	2		150	50	2		80		0.4	B7	O
						150	75	0.9	0.2	125	75		
FC2A	645 230 700	G1	2		150	50	1.2		100		0.5	B7	O
						150	50	0.7	0.3	100	75		
FC4	645 231 700	G1	4	4	90	90	2	1	100	90	1.3	B7	O
					4	250	90	1.6	1	250	90		
FC13	023 164 570	G1	13	3	90	75	2	1.3	100		1.5	8SC	O
					2	200	75	2.6	0.6	200	75		
FC13C	645 231 700	G1	13	3	90	75	2	1.3	80	75	1.2	B7	O
					2	200	75	2.6		200	75		
FC141	207 640 530	G1	1.4		90	90	0.5		80	90		MO8	H
FH2118	165 452 300	G1	20	2	200	80	3		100	75		C7	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE	
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V			
FW1	893 200 000		4				30			REC	15mA	B4	RR	
FW3	892 300 000		4				60			REC	30mA	B4	RR	
FW4/500	982 300 000		4(5)				120			REC	30mA	B5	RR	
FW4/800	982 300 000		4(5)				60			REC	30mA	B5	RR	
FY	642 350 000		4	10	250	250	32	5		100	150	5	B5	P
FZ1	023 180 090		13				30			REC	15mA	8SC	RR	
G	264 300 000		5	3	200		0.2			100	0.2	UX4	T	
G/6C4	602 364 100		6.3	8.5	250		10.5	2.2		100	3	B7G	T	
G/25L6	026 540 310		25	8.2	200	125	46	8		100	90	8	A08	P
G/50C5	142 345 600		50	7.5	150	100	49	7.5		100	90	6	B7G	P
G84	280 300 000		2.5				60			REC	20mA	UX4	R	
G407	642 300 000		4	4	150		4	1.3		100	4	B4	T	
G409	642 300 000		4	4	150		4	1.3		100	4	B4	T	
G431	892 300 000		4				30			REC	15mA	B5	RR	
G459	023 080 090		4				60			REC	20mA	8SC	RR	
G460	892 300 000		4				60			REC	20mA	B4	RR	
G470	892 300 000		4				30			REC	15mA	B4	RR	
G504	892 300 000		4				15			REC	15mA	B4	RR	
G660	023 190 080		6.3				30			REC	15mA	8SC	RR	
G715	802 300 000		7.5				120			REC	30mA	B4	R	
G1054	892 300 000		4				30			REC	15mA	B4	RR	
G1064	892 300 000		4				30			REC	20mA	B4	RR	
G1380	023 180 090		12				30			REC	15mA	8SC	RR	
G1404	802 300 000		4				120			REC	30mA	B4	R	
G1503	892 300 000		2.5				30			REC	15mA	B4	RR	
G2004	892 300 000		4				60			REC	20mA	B4	RR	
G2005	892 300 000		5				60			REC	20mA	B4	RR	
G2080	023 100 080		20				60			REC	15mA	8SC	R	
G2080	802 310 000		20				60			REC	20mA	B5	R	
G2504	892 300 000		4				60			REC	20mA	B4	RR	
G3060	123 190 080		30				60			REC	20mA	8SC	RR	
G4004	892 300 000		4				120			REC	30mA	B4	R	
G4100	802 300 000		4				120			REC	30mA	B4	R	
G4120	892 300 000		4				60			REC	20mA	B5	RR	
G4120N	892 300 000		4				60			REC	40mA	B4	R	
G4150	892 300 000		4				60			REC	20mA	B4	RR	
G4180	892 300 000		4				120			REC	30mA	B4	RR	
G4300	892 300 000		4				120			REC	30mA	B4	RR	
G/5749	412 365 100		6	1	250	100	11	4.4		100	100	4.4	B7G	P
G/5750	412 366 400		6	2	100		11	7		100		6	B7G	H
G/6042	461 471 230		25	8	250		9	2.6		100		2.6	A08	TT
G/6059	041 230 651		6	3	250	100	2	1.2		100	100	1.2	B7G	P
G/6060	741 226 413		6	2	250		10	5.5		200		5	B9A	TT
G/6061	*41 230 651		6	13	300	225	35	3.7		100	150	3.7	B9A	P
G/6062	601 235 144		6	7.5	250	250	45	7		100	150	7	B9A	P
G/6066	412 389 600		6	3	250		1	1.2		150		1.2	B7G	DDT
G/6100	602 364 100		6	8.5	250		10.5	2.2		100		3	B7G	T

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
G/6132	*41 230 651		6	4.5	250	250	40	11	100	150	9	B9A	P
G/6157	**1 23* ***	D1	6				120		REC		30mA	B9A	R
G/6158	744 226 413		6	4.6	250		6	2.3	100		2.3	B9A	TT
G/6180	461 471 230		6	8	250		9	2.6	100		2.6	A08	TT
G/6443	**1 23* ***	D1	6				120		REC		30mA	B9A	R
G/6516	412 360 500		6	12.5	250	250	16	2.6	100	150	2.6	B7G	P
GG1	288 009 930		4				30		REC		15mA	B8B	RR
GN24	892 300 000		4				30		REC		15mA	B4	RR
GR4	892 300 000		4				120		REC		30mA	B4	RR
DGT1C	642 310 000		4		200		48	3K	No Data Available			B5	THY
GY11	333 022 200	D1	2.5				30		REC		15mA	F8	R
GZ30	020 908 030		5				60		REC		20mA	A08	RR
GZ31	020 908 030		5				120		REC		30mA	A08	RR
GZ32	030 809 020		5(5.7)				60		REC		50mA	A08	RR
GZ33	030 809 020		5				120		REC		30mA	A08	RR
GZ34	*30 809 020		5				120		REC		30mA	A08	RR
GZ37	030 908 020		5(5.7)				120		REC		40mA	A08	RR
GZ40	28* **9 130		5				30		REC		17mA	B8A	RR
GZ41	28* **9 130		5				30		REC		26mA	B8A	RR
H2	642 300 000		2	1	150		2.5	0.8	150		0.8	B4	T
H2D	682 390 000	G1	2	1.5	150		3.5	1.3	100		1.3	B5	DDT
H4	642 300 000		4	4	150		4	1.3	125		1.3	B4	T
H4D	216 809 300	G1	4	3	200		4.5	2.7	100		2.5	B7	DDT
H4D	809 231 600	G1	4	2.5	200		5.5	2.7	150		2.7	B7	DDT
H12	642 300 000		2	1.3	100		0.6	1	100		1.2	SM4	T
H13	023 100 060	G1	13	4	200		6	2.5	100		2.5	A08	T
H20	642 310 000		20	1.6	200		0.2	1	100		1	B5	T
H30	000 231 600	G1	13	1.5	250		7.5	6	100		6	B7	T
H42	000 231 600	G1	4	2	250		1	1.5	200		1.7	B7	T
H42	216 000 300	G1	4	2	250		1	1.5	100		1.5	B7	T
H63	020 600 310	G1	6.3	2	250		1	1.6	100		1.5	A08	T
H141D	206 080 030	G1	1.4	1	90		0.1	0.2	80		0.2	M08	DT
H210	642 300 000		2	3	150		1.1	1.1	100		1.1	B4	T
H406D	542 300 000	A1	4	1.5	200	75	4	0.8	100	80		B4	P
H407spec.	642 300 000		4	9	150		3.5	0.9	100		0.9	B4	T
H410D	642 300 000	A1	4	1.5	200	75	3.5	0.8	100	75		B5	P
H412	642 300 000		4	9	150		5	1.2	125		1.2	B4	T
H607	642 300 000		6	1	100			0.4	100		0.4	B4	T
H1818D	542 310 000	A1	20	2	200	100	3	2	100	100		B5	P
H1918D	542 310 000	A1	20	2	200	60	4	1	100	60		B5	P
H2018D	542 310 000	A1	20	2	200	60	4	1	100	60		B5	P
H2518D	542 310 000	A1	20	2.5	250	100	3.5	2	100	100		B5	P
H2618D	542 310 000	A1	20	2.5	250	100	5	2	100	100		B5	P
H4080D	542 310 000	A1	4	1.5	200	75	4	2.5	100	100		B5	P
H4111D	542 310 000	A1	4	2.5	250	100	3.5	2	100	100		B5	P
H4115D	542 310 000	A1	4	2.5	250	100	3.5	2	100	100		B5	P
H4125D	542 310 000	A1	4	2	200	100	6	1	100	100		B5	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
H4128D	542 310 000	A1	4	2.5	250	100	3.5	2	100	100		B5	P
H4129D	542 310 000	A1	4	2.5	250	100	5	2	100	100		B5	P
HAA91	182 310 900		12						D			B7G	DD
HABC80	811 239 146		19	3	250		1	1.2	100		1.3	B9A	DDDT
HAD	908 231 600	G1	13	2.5	200		3.3	2	150		2	B7	DDT
HBC90	412 389 600		12.5	3	250		1	1.2	100		1.2	B7G	DDT
HBC91	412 389 600		12.5	2	250		1.2	1.6	100		1.2	B7G	DDT
HCH81	541 237 464		12.6	2.5	100		4	2	100	60	2	B9A	TH
					250	90	3	0.6	100	90	0.6		
HD2	542 300 000		2	5	200		5	1	150		1	B4	T
HD2	682 390 000	G1	2	2.5	150		3.5	1.3	100			B5	DDT
HD14	036 080 200	G1	1.4		90		0.1	0.2	100		0.2	A08	DT
HD21	682 390 000	G1	2	1.5	150		1.8	1.5	150		1.5	B5	DDT
HD22	682 390 000	G1	2	3	150		1.8	1.5	100		1.5	B5	DDT
ED23	682 390 000	G1	2	1	150		1	1	125		1	B5	DDT
HD23	862 390 000	G1	2	2	150		1	1.4	100		1.4	B5	DDT
HD24	682 390 000	G1	2	1.5	150		0.8	1	100		1.4	B5	DDT
HD30	524 332 600		1.2	75	150	125		1.7	No Data Available			B7G	P
HD93	23* 232 *32	D1	1.2						D			B9A	D
HD96	021 040 310	A1	25	22.5	250	150	55	5.5	100	100		A08	P
HF61	26* *54 130		6.3	2.6	250	100	6	2.2	100	100	2.2	B8A	P
HF62	260 154 130		6.3	2	250	250	10	9	100	150	8	B8A	P
HF85	141 230 651		12.5	2.3	200	125	11.4	6.1	100	90		B9A	P
HF93	412 365 100		12.5	1	250	100	11	4.4	100	100	4.3	B7G	P
HF94	412 365 100		12.5	1	250	250	10.6	5.2	100	100	3.9	B7G	P
HF121	26* 054 130		12.5	3	200	125	1.2	2.3	100	100	2	B8A	P
HK90	412 366 100		12.5	2	100		11	7	100		5	B7G	H
HL2	642 300 000		2	1.5	150		2.2	1.5	150		1.5	B4	T
HL2	023 004 060		2	1.5	150		2.2	1.5	150		1.5	8SC	T
HL2K	642 300 000		2	1.5	150		2.2	1.5	150		1.5	B4	T
HL2S	023 004 060		2	1.5	150		2.2	1.5	150		1.5	8SC	T
HL3	206 040 030		2	1.5	125		0.5	1.5	125		1.5	M08	T
HL4	642 310 000		4	4.5	250		5	3.5	150		3.5	B5	T
HL4+	642 310 000		4	4.5	250		5	4.9	100		5	B5	T
HL4G	000 231 600	G1	4	4.5	250		5	3.5	150		3.5	B7	T
HL4GS	023 100 060	G1	4	4.5	250		5	3.5	150		3.5	8SC	T
HL13	023 100 060	G1	13	3.7	200		5	3.3	150		3	8SC	T
HL13	000 231 600	G1	13	2.7	200		6	3.5	150		4	B7	T
HL13C	000 231 600	G1	13	3.7	200		5	3.3	150		4	B7	T
HL13G	023 004 060	G1	13	5.5	250		6	2.5	150		2.5	8SC	T
HL13S	023 100 060	G1	13	3	200		6	3.5	150		3.5	8SC	T
HL21	642 300 000		2	3	150		1.7	1.5	125		1.5	B4	T
HL21DD	682 390 000	G1	2	2	150		2	1.3	125		1.3	B5	DDT
HL22	206 040 030		2	2	150		2	1.3	125		1.3	M08	T
HL22DD	206 080 930	G1	2	2	150		2	1.3	125		1.3	M08	DDT
HL23	206 040 030		2	1.5	150		1.5	1.2	100		1.2	M08	T
HL23DD	206 080 930	G1	2	1.5	150		0.6	1.2	100		1.2	M08	DDT

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
HL41	216 040 030		4	3.1	250		2.2	3.4	150		3.1	M08	T
HL41DD	216 090 830	G1	4	3.1	250		2.2	2.6	100		2.4	M08	DDT
HL42DD	216 090 830	G1	4	0.2	200		2.8	2.9	100		2.5	M08	DDT
HL84	*41 23* 6*5		30	12.5	200	175	70	10	100	100		B9A	P
HL90	412 365 400		19	12.5	250	250	45	4.1	100	150	4	B7G	P
HL92	142 345 600		50	7.5	150	125	49	7.5	100	100	7	B7G	P
HL94	142 345 600		30	6.7	100	100	43	9.2	100	100	9.2	B7G	P
HL133	216 000 030	G1	13	3.3	200		6	2.9	200		2.9	M08	T
HL133DD	216 090 830	G1	13	2.5	200		1.5	2.5	150		2.3	M08	DDT
HL134DD	216 080 930	G1	13	5	250		7	2.5	100		2.5	M08	DDT
HL135	023 100 060	G1	13	3	200		6	3.5	150		3.5	8SC	T
HL210	642 300 000		2	1	100		1.1	0.7	100		1	B4	T
HL410	642 300 000		4	6	150		1.2	0.8	150		0.8	B4	T
HL607	642 300 000		6	1	100		1	1	100		1	B4	T
HL7320	000 231 600	G1	13	3.3	200		6	3	150		3	B7	T
HLA1	642 310 000		4	1	200		5	8	200		7	B5	T
HLA2	642 310 000		4	2.5	200		6	5.5	150		5.5	B5	T
HLB1	642 300 000		2	3	150		2	1.5	100		1.5	B5	T
HL/DD1320	809 231 600	G1	13	3	200		4.3	1.9	100		1.9	B7	DDT
HM20	642 310 000		20	3.3	250		6	2.5	100		2.3	B5	T
HN309	641 237 154		12	{ 2	250		2.8	2.2	100	60	2	B9A	TP
				{ 9	150	150	24	5.6	150	150	5.6		
HP2	446 230 700		2	1	150		8.5		125			B7	TT
HP13	061 231 500	G1	13	1	250	100	8	3.5	250	100	3.5	B7	P
HP13S	023 110 560	G1	13	1	250	100	8	3.5	250	100	3.5	8SC	P
HP210	542 300 000	A1	2	1.5	150	150	1.9	1.9	150	150	1.9	B4	P
HP210	041 230 500	A1	2	1.5	150	150	1.9	1.9	150	150	1.9	B7	P
HP210C	041 230 500	A1	2	1	150	150	1.9	1.9	150	150	1.9	B7	P
HP210NC	542 300 000	A1	2	1	150	150	1.9	1.9	150	150	1.9	B4	P
HP210NC	041 230 500	A1	2	1	150	150	1.9	1.9	150	150	1.9	B7	P
HP211	041 230 500	A1	2	1	150	150	2.6	1.7	150	150	1.7	B7	P
HP211C	041 230 500	A1	2	1	150	150	2.6	1.7	150	150	1.7	B7	P
HP211C	542 300 000	A1	2	1	150	150	2.6	1.7	150	150	1.7	B4	P
HP215	542 300 000	A1	2	1.5	150	80	1.5	1.2	150	75	1.2	B4	P
HP215	041 230 500	A1	2	1.5	150	80	1.5	1.2	150	75	1.2	B7	P
HP415	041 231 500	A1	4	2	250	100	8	2.7	100	100	2.7	B7	P
HP1018	160 152 300	G1	10	3	250	100	2.3	1.3	100	150	1.3	B7	P
HP1118	160 152 300	G1	10	3	250	100	8.2	1.6	100	100	1.6	B7	P
HP2018	542 310 000	A1	20	2	200	100	4	3.5	100	100	3.5	B5	P
HP2018	041 231 500	A1	20	2	200	100	4	3.5	200	100	2.5	B7	P
HP2118	041 230 500	A1	20	2	200	100	5	3.5	100	100	3.5	B7	P
HP2118	542 310 000	A1	20	2	200	100	5	3.5	100	100	2.5	B5	P
HP4100	542 310 000	A1	4	2	200	100	3	3.5	100	100	3.5	B5	P
HP4101	041 231 500	A1	4	2	200	100	3.5	3.5	100	100	3.5	B7	P
HP4101	542 310 000	A1	4	2	200	100	3.5	3.5	100	100	3.5	B5	P
HF4101C	542 310 000	A1	4	2	200	100	3.5	2.8	100	100	2.8	B5	P
HP4101C	041 231 500	A1	4	2	200	100	3.5	2.8	100	100	2.8	B7	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
HP4105	542 310 000	A1	4	2	250	100	4.5	3	100	100	3	B5	P
HP4105	041 231 500	A1	4	2	250	100	4.5	3	100	100	3	B7	P
HP4106	041 231 500	A1	4	2	200	100	5	3.5	100	100	3.5	B7	P
HP4106	542 310 000	A1	4	2	200	100	5	3.5	100	100	3.5	B5	P
HP4106C	041 231 500	A1	4	2	200	100	5	3.5	100	100	3.5	B7	P
HP4106C	542 310 000	A1	4	2	200	100	5	3.5	100	100	3.5	B5	P
HP4115	041 231 500	A1	4	2	200	100	4.3	2.2	100	100	3.2	B7	P
HP4115	542 310 000	A1	4	2	200	100	4.3	3.2	100	100	3.2	B5	P
HP4115C	542 310 000	A1	4	2	250	100	4.5	3.2	100	100	3.2	B5	P
HP4115C	041 231 500	A1	4	2	250	100	4.5	3.2	100	100	3.2	B7	P
HPT	412 361 500		6	2	250	250	10	7.5	100	150	5	B7G	P
				1.5	200	150	4	6.4	100	150	5		
HR1	2** 3** *00	A1	0.6						D			B7G	D
HR2	642 300 000		2	2	150		12	0.6	125		0.6	B4	T
HR2	112 311 100	D1	4				5		D			B7G	R
HR2S	023 004 060		2	2	150		1.2	0.6	125		0.6	8SC	T
HR3	112 311 100	D1	4				15		REC		10mA	B7G	R
HR4	112 311 100	D1	4				30		REC		15mA	B7G	R
HR5	112 311 100	D1	4				30		REC		15mA	B7G	R
HR6	030 000 020	D1	4				60		REC		20mA	A08	R
HR7	020 000 030	D1	4				30		REC		15mA	A08	R
HR8	030 000 020	D1	4				30		REC		15mA	A08	R
HR9	0** 080 230	D1	4						D			A08	D
HR11	020 000 030	D1	4						D			A08	D
HR210	642 300 000		2	1.5	200		1	1.3	150		1.3	B4	T
HR406	642 300 000		4	3	200		1	1.5	150		1.5	B4	T
HR410	641 300 000		4	3	200		1	1.5	150		1.5	B4	T
HSD	809 231 600	G1	13	3	200		6	2.7	150		2.3	B7	DDT
HVR1	002 300 000	D1	2				5		REC			B4	R
HVR2	003 200 000	D1	4				3		REC		2mA	B4	R
HVR2A	003 200 000	D1	2(2.5)				3		REC		2mA	B4	R
HVU1	002 300 000	D1	4				3		D			B4	R
HY24	264 300 000		2	45	200		20		100			UX4	T
HY61	254 130 000	A1	6	14	300	250	83	6.5	No Data Available			UX5	P
HY65	030 540 210	A1	6	45	350	200	63		100	100		A08	P
HY90	002 383 100		27.5				60		REC		25mA	B7G	R
HY113	264 030 000		1.4	4.5	60		0.4	0.2	No Data Available			UX5	T
HY125	364 520 000		1.4	3	60	50	0.9	0.3	No Data Available			UX5	P
HY615	020 000 310	A1G1	6	35	300		20		100			A08	T
HY866	280 300 000		2.5				120		REC		30mA	UX4	R
HZ50	280 300 000		13				60		REC		20mA	UX4	R
IF860	141 230 651		20		200	200	8.5	6.6	100	100		B9A	P
IL861	041 230 651		20		200	200	20	11	100	100		B9A	P
IRV120/350S	023 180 090		4				60		REC		20mA	8SC	RR
IW2	893 200 000		4				30		REC		40mA	B4	RR
IW2A	892 300 000		4				30		REC		40mA	B4	RR
IW3	892 300 000		4				60		REC		50mA	B4	RR

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE	
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V			
IW4	892 300 000		4				60		REC		40mA	B4	RR	
IW4/350	892 300 000		4				60		REC		40mA	B4	RR	
IW4/500	893 200 000		4(5)				60		REC		20mA	B4	RR	
K4	892 300 000		4				120		REC		30mA	B4	RR	
K23A	682 390 000	G1	2	5.5	150		2.5	1.4	100		1.4	B5	DDT	
K23B	682 390 000	G1	2	1.5	150		1.4	1.2	150		1.2	B5	DDT	
K24	265 130 000	G1	2.5	1.5	200	75	2	0.8	100	75	0.8	UX5	P	
K27	264 130 000		2.5	4.5	90		3	1	80		1	UX5	T	
K30A	642 300 000		2	3	150		1.5	0.8	150		0.8	B4	T	
K30B	642 300 000		2	7.5	150		4	0.9	100		0.9	B4	T	
K30C	642 300 000		2	1.5	150		2	1.4	100		1.4	B4	T	
K30D	642 300 000		2	3	150		4	1.5	100		1.5	B4	T	
K30E	642 300 000		2	4.5	150		2	1.5	100		1.5	B4	T	
K30G	642 300 000		2	7	150		6	3.5	100		3.5	B4	T	
K30K	642 300 000		2	1.5	150		2.2	1.4	100		1.5	B4	T	
K33A	064 234 700		2		150		3		150			B7	TT	
K33B	446 230 700		2	1.5	125		3	2.1	125		2.1	B7	TT	
K40B	542 300 000	A1	2		150	75	2	1.5	100	75	1.5	B4	P	
K40N	542 300 000	A1	2		150	90	2.5	1.4	100	90	1.4	B4	P	
K40N	041 230 500	A1	2		150	90	2.5	1.4	100	90	1.4	B7	P	
K50M	041 231 500	A1	2	5	150	125	3	1.5	100	100	1.5	B7	P	
K50N	064 235 500	G1	2	1.5	150	60	2	1.4	125	60	1.4	B7	P	
K70B	642 350 000		2	4.5	150	150	9.5	2.5	100	100	2.5	B5	P	
K70D	642 350 000		2	2.4	150	150	5	4	100	100	4	B5	P	
K77A	465 230 574		2	10.5	150	150	2.5	4	100	100	4	B9	PF	
K77B	446 235 700		2	11.7	150	150	3.8		100	100		B7	PF	
K80A	645 230 700	G1	2	}	150	50	2		80	60	0.4	} B7	0	
					150	75	1		125	75	0.8			
K80B	645 230 700	G1	2		150	150	2.1		100	60	0.1			
				150	150	0.7		100	75	1	} B7	0		
K435/10	642 300 000		4	3	300		50	5	100				5	B4
K450/50	642 300 000		4	50	400		120	5	100		5	B4	T	
K1658	542 310 000	A1	7	25	400	225	50	3.2	No Data Available			B5	P	
K1668	542 310 000	A1	7	25	400	225	50	3.2	No Data Available			B5	P	
K1678	542 310 000	A1	7	25	400	225	50	3.2	No Data Available			B5	P	
K1694	642 300 000		4	3.5	200		6	2.6	100		2.4	B4	T	
KBC1	023 098 060	G1	2	4.5	150		2.5	1	100		1	8SC	DDT	
KBC32	036 980 200	G1	2		100		2.4	1.2	100		1.2	A08	DDT	
KC1	023 004 060		2	1.5	150		1.2	0.6	125		0.6	8SC	T	
KC3	023 004 060		2	2.8	150		3	2.5	100		2.5	8SC	T	
KC4	023 004 060		2	1.5	150		2.2	1.4	125		1.4	8SC	T	
KC50	642 300 000		2	1	40		0.2	0.4	No Data Available			SM4	T	
KC51	642 300 000		2	2	40		1.2	0.5	No Data Available			SM4	T	
KCF30	037 546 200	G1	2	}	1.0	100		3.7	1.6	100	60	1.7	} A08	TP
					2.5	150	80	1.5	0.9	100	75	0.9		
KCH1	023 064 570	G1	2	}	0.5	90		3	1.5	80	60	1.5	} 8SC	TH
					5	90	60	1	0.9	100	60	0.9		
KD50	652 300 000		2	2.8	40		1.8	0.6	No Data Available			SM4	T	



VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
KDD1	023 074 460		2		90		0.8	0.8	80		0.8	8SC	TT
KE50	542 300 000	A1	2	2	150	50	0.8	0.6	100	60	0.6	SM4	P
KF1	050 412 300	A1	2	1	150	150	3	1.8	125	150	1.8	C7	P
KF2	050 412 300	A1	2	1	150	150	3	1.3	125	150	1.3	C7	P
KF3	023 010 560	G1	2	1	90	90	1	0.5	80	90	0.5	8SC	P
KF4	023 010 560	G1	2	1	90	90	1.2	0.7	80	90	0.7	8SC	P
KF7	023 004 500	A1	2	1.5	90	90	1.8	0.7	80	90	0.7	8SC	P
KF8	023 004 500	A1	2	1	90	90	1.5	0.6	80	90	0.6	8SC	P
KF35	026 510 300	G1	2	1.5	150	60	1.4	1.1	125	60	1.1	A08	P
KH1	023 051 560	G1	2	1.5	90	60	2.1	1.4	80	60	1.4	8SC	P
KK2	023 064 560	G1	2	1	90	50	2		80	60		8SC	O
KK2G	026 546 300	G1	2	1	90	50	2		80	60		A08	O
KK32	037 546 200	G1	2	}	150	50	2.1		150	60	2.1	}A08	O
					150	50	0.7		150	60	0.7		
KL1	642 350 000		2	4.5	90	90	8	1.7	80	75	1.7	B5	P
KL1	032 004 560		2	4.5	90	90	8	1.7	80	75	1.7	8SC	P
KL2	023 004 560		2	7.5	90	90	11	1.8	80	75	1.8	8SC	P
KL4	023 004 560		2	2.5	100	100	5	2	80	75	2.8	8SC	P
KL4G	036 540 200		2	2.5	90	90	4.7	1.8	80	75	2.8	A08	P
KL5	032 004 560		2	4	90	90	4.8	1.4	80	75	1.4	8SC	P
KL35	036 540 200		2	4.5	150	150	5.6	2.2	100	100	2.2	A08	P
KLL3	423 564 570		2	12	150	150	8		100	100		8SC	PP
KLL32	026 447 350		2	11.3	150	150	3.8	2.6	100	100	2.6	A08	PP
KR5	264 530 000		6	9	150	150	14	1.9	100	100	1.9	UX5	P
KR20	264 413 000		2.5		250		3.5	1.4	250		1.4	UX6	T
KR22	264 413 000		6		250		3.5	1.4	250		1.4	UX6	T
KR25	264 413 000		2.5	16.5	250	250	34	2.2	100	150	2.2	UX6	P
KR28	289 130 000		6				30		REC		15mA	UX5	RR
KR31	281 300 000		10				120		REC		30mA	UX4	R
KT2	642 350 000		2	4.5	150	150	7.5	2.5	100	100	2.5	B5	P
KT8	542 310 000	A1	6	16	250	250	72	6	100	100	6	B5	P
KT8C	542 310 000	A1	6	16	250	250	72	6	100	150	6	B5	P
KT16	026 540 230		1.4	4.5	90	90	8.8	1.9	No Data Available			A08	P
KT21	642 350 000		2	2.5	150	125	5.3	5.3	100	100	5.3	B5	P
KT24	642 350 000		2	3.5	150	125	5	3.2	100	100	3.2	B5	P
KT30	045 231 600		13	12	250	250	40	3.9	100	150	3.9	B7	P
KT31	305 221 600	G1	13	4	200	175	40	10	100	150	9	B7	P
KT32	026 540 310		26	7.6	150	150	75	9	100	100	8	A08	P
KT33	326 540 210		13	13.2	200	200	60	10	100	100	9	A08	P
KT33C	326 540 210		13	7	200	175	92	10	100	100	9	A08	P
KT35	326 540 210		13	11.5	200	200	50	10	100	100	9	A08	P
KT36	020 540 310	A1	26	10	150	150	60	11	100	100	10	A08	P
KT41	045 231 600		4(5)	4.4	250	250	40	10.5	100	150	9	B7	P
KT42	045 231 600		4	16.5	250	250	34	2.5	100	150	2.5	B7	P
KT44	041 231 500	A1	4(5)	25	250	250	85	6.3	100	150	6.2	B7	P
KT45	041 231 500	A1	4	25	250	250	85	6.3	100	150	6.3	B7	P
KT55	*26 540 310		52	15	150	150	88	16	No Data Available			A08	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
KT61	026 540 310		6	4.4	250	250	40	10.5	100	150	9	A08	P
KT63	026 540 310		6	16.5	250	250	34	2.5	100	150	2.5	A08	P
KT66	026 540 310		6	15	250	250	65	6.3	100	150	6	A08	P
KT67	256 001 403		6	9	250	175	80	13	100	100	10	B9G	P
KT71	026 540 310		48	9.8	200	175	70	10	100	100	9	A08	P
KT72	026 540 310		16	12.5	200	175	30	2.5	100	100	2.5	A08	P
KT73	026 540 310		6	4.5	200	175	35	2.5	100	100	2.5	A08	P
KT74	026 540 310		16	12.5	200	175	30	2.5	100	100	2.5	A08	P
KT76	026 540 310		15	13	200	175	35	2.5	100	100	2.5	A08	P
KT77	026 540 310		6.3		250	250	100	11.5	100	100		A08	P
KT81	265 004 130		6	4.4	250	250	40	10.5	100	150	9	B8B	P
KT88	026 540 310		6	20	250	250	57	8	No Data Available			A08	P
KT101	265 004 130		80	9.5	200	175	70	10	100	100	9	B8B	P
KTW61	026 510 310	G1	6	4	250	100	10	2.9	100	90	2.9	A08	P
KTW62	026 500 310	G1	6	3	250	100	8	2.8	100	100	2.8	A08	P
KTW63	026 510 310	G1	6	3	250	100	7.6	1.5	100	90	1.5	A08	P
KTW73	026 510 310	G1	6	3	250	100	6.5	1.7	100	90	1.7	A08	P
KTW73M	026 500 310	G1	6	3	250	100	6.5	1.7	100	100		A08	P
KTW74	026 510 310	G1	13	3	250	100	7.6	1.5	100	90	1.7	A08	P
KTW74M	026 500 310	G1	13	3	250	100	7.6	1.5	100	100		A08	P
KTZ41	061 231 500	G1	4	1.5	250	250	18	12	200	200	10	B7	P
KTZ63	026 510 310	G1	6	3	250	100	2	1.2	100	100	1.2	A08	P
KTZ73	026 500 310	G1	6	3	250	100	2	1.5	100	90	1.5	A08	P
KTZ73M	026 500 310	G1	6	3	250	100	2	1.5	100	100		A08	P
KZ	802 310 000		20				60		REC		20mA	B5	R
L2	642 300 000		2	4.5	150		9	1.6	150		1.6	B4	T
L2/B	642 300 000		2	3.8	150		4	1.5	125		1.5	B4	T
L2D	642 310 000		2	4.5	150		2	1.5	100		1.5	B5	T
L2/DD	682 390 000	G1	2	3.8	150		4	1.6	100		1.6	B5	DDT
L4	642 300 000		4	16	250		20	3.2	100		3.2	B4	T
L11	642 300 000		1	12	100		2.8	0.6	100		0.6	B4	T
L12	642 300 000		2	3	40		2.2	0.8	No Data Available			SM4	T
L21	642 300 000		2	6	150		3.2	1.8	100		1.8	B4	T
L21DD	682 390 000	G1	2	3	150		5.2	1.8	100		1.8	B5	DDT
L22DD	206 080 930	G1	2	4.2	150		4	1.6	100		1.6	A08	DDT
L30	042 231 600		13	8	200		25	4.2	100		4.2	B7	T
L42MD	642 350 000		4	20	250	250	22	2.5	100	100		B5	P
L63	026 040 310		6	8	250		9	2.6	100		2.6	A08	T
L77	6*2 364 100		6	8.5	250		10.5	2.2	100		2.2	B7G	T
L210	642 300 000		2		150			0.9	100		0.9	B4	T
L408	642 300 000		4	3	150		5	1.5	125		1.5	B4	T
L410	642 300 000		4	4	150		4.3	1.5	100			B4	T
L412	642 300 000		4	1.5	200		3	1.2	100		1.2	B4	T
L413	642 300 000		4	16	200		12	1.8	100		1.6	B4	T
L414	642 300 000		4	8	150		12	2.8	100		2.8	B4	T
L415	642 300 000		4	10	200		8	2	100		2	B4	T
L416D	643 200 000	G2	4	13	250	80	12	1.4	100	75		B4	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
L427D	642 350 000		4	42	300	200	20	1.5	100	100		B5	P
L486D	642 350 000		4	15	250	250	35	2.7	100	150	2.7	B5	P
L495	842 350 000		4	30				5				B5	D
L497D	642 350 000		4	30	400	200	45	3.2	No Data Available			B5	P
L510D	642 350 000		5	17	200	150	12	1.3	100	100		B5	P
L2318	642 350 000		20	18	200	200	20	1.7	100	100		B5	P
L4150D	642 310 000	G1	4	15	250	250	24	2.5	100	100		B5	P
L4910	642 350 000		4	40	400	200	30	1.8	No Data Available			B5	P
LA	364 520 000		6	12	200	175	22	2.2	100	100	2.2	UX5	P
LD210	642 300 000		2	4.5	150		3	1.3	125		1.3	B4	T
LD410	642 300 000		4	6	200		4	1.8	100		1.8	B4	T
LG5	218 090 130		6				120		REC		30mA	A08	RR
LG6	218 090 130		12				30		REC		15mA	B8B	RR
LG14	123 000 000	D1	6				5		D			B3G	R
LK430	642 300 000		4	32	250		20	1.9	100			B4	T
LK460	642 300 000		4	40	250		30	2.2	No Data Available			B4	T
LK4110	642 300 000		4	36	400		30	2.7	No Data Available			B4	T
LK4112	642 300 000		4	21.6	250		48	3.5	No Data Available			B4	T
LK4200	642 300 000		4	36	400		45	4	No Data Available			B4	T
LL2	642 300 000		2	2.5	150		3	2.5	125		2.6	B4	T
LL2S	023 004 060		2	2.5	150		3	2.6	125		2.6	8SC	T
LL4	642 310 000		4	10	350		18	3.5	125		3.5	B5	T
LL610	642 350 000		5	17	200	150	12	1.3	No Data Available			B5	P
LN119	414 237 516		50	{ 0	100		3.5	2.5	100	60	2.5	B9A	TP
				{ 16	200	200	35	6.4	100	100			
LN152	641 237 154		6	{ 2.3	100		4.0	1.4	100	60	1.4	B9A	TP
				{ 6.7	200	175	15.0	3.2	100	100	3.0		
LN309	641 237 154		12.5	{ 8.5	250		10.5	2.2	100	60	2.0	B9A	TP
				{ 8.0	200	175	30	4.5	100	100	4.0		
LN319	641 237 154		13	{ 10	200		10	3.4	100	60	3.4	B9A	TP
				{ 9	200	175	32	6.5	100	100			
LN329	645 237 114		9	{ 2	100		14	5	100	60	6	B9A	TP
				{ 2	200	175	10	6.2	100	100			
LP2	642 300 000		2	4.5	150		10	3.6	100		3.6	B4	T
LP4	642 300 000		4	36	250		48	5.5	100		5.5	B4	T
LP25	642 300 000		4	31	400		50	7.5	100		6.9	B4	T
LP220	642 300 000		2	4.5	150		5	3.5	100		3.5	B4	P
LS5	642 300 000		4.7	47	400		25		No Data Available			B4	T
LS5A	642 300 000		5.2		400		33	0.9	No Data Available			B4	T
LS6A	642 300 000		6	91	400		64	2.3	No Data Available			B5	T
LS7	642 300 000		4	4	150		21	2.4	100		2.4	B5	T
LS8	642 300 000		4	8	150			1.3	100			B4	T
LS8A	642 300 000		4	8	150		26	3	No Data Available			B4	T
LS9B	642 300 000		2	1.5	150		8	0.6	100		0.6	B4	T
LS826	246 310 000		6.3	1.1	100		7.5	5	100		5	B5B	T
LU4A	642 300 000		4	{ 16	200		12	1.8	100		1.6	B4	T
LZ319	645 237 114		9	{ 2	100		14	5	100	60	5	B9A	TP
				{ 2	200	175	10	6.2	100	100	5		

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
LZ329	645 237 114		9	2.0	100		14	5	100	60	5.0	B9A	TP
M0465	645 231 700	G1	4		200	175	10	6	100	100	5.0		
M0495	123 174 560	G1	4	1.5	75		2		80			B7	O
M3057	041 230 651		6.3		250	75	21.6		100	75			
M8079	192 310 800		6	8.5	250	75	1.6	9	100	75		B9A	P
M8080	602 364 100		6	4.5	200	200	30	5	D	100			
M8081	672 344 100		6	8.5	250		10.5	2.2	100		3	B7G	T
M8082	412 360 500		6	0.8	100		8.5	5.3	100		5.3	B7G	TT
M8083	412 361 500		6	12.4	250	250	16	2.6	No Data Available			B7G	P
M8091	**1 23* ***	D1	6.3	2	250	250	10	7.65	100	150	5.0	B7G	P
M8096	601 235 144		6		1.5	200	150	4	6.4	100	150		
M8097	812 314 600		6				120		REC		30mA	B9A	R
M8099	412 314 600		6	7.5	250	250	45	7	100	150	7	B7A	P
M8100	412 365 100		6	2.8	200		7.5	2.8	100		2.8	B7G	DT
M8101	412 365 100		6	2	250		6	8.5	200		8	B7G	T
M8121	412 163 510		6	2.3	150	150	7	4.3	No Data Available			B7G	P
M8122	412 653 160		6	1	250	100	11	4.4	250	100	4.4	B7G	P
M8123	281 380 000		6	1.4	100	100	7	5	100	10C	5	B8D	P
M8125	412 163 510		6	2	100	100	3	2.5	100	100	2.3	B8D	P
M8135	412 3** 651		6	4.5	250	250	40	11	100	150	10	B9A	P
M8136	741 226 413		6.3	8.5	250		8.5	2.2	100		2	B9A	TT
M8137	741 226 413		6	2	250		1.2	1.6	100		1.6	B9A	TT
M8138	802 309 100		6				30		REC		15mA	B7G	RR
M8156	462 603 160		6	2	100		13	5.5	100		5.5	B8D	T
M8157	265 511 413		6	30	300	250	25	1.9	100	100	1.9	B9G	P
M8161	412 361 500		6	2.5	250	200	8	2.5	100	150	2.5	B7G	P
M8162	741 226 413		6	1.5	200		8.5	6.5	200		8.5	B9A	TT
M8178	402 013 060		6.3		100		8.5	5.8	100		5.8	B8D	T
M8195	501 236 014		6.3	1	250	100	3	1.8	100	100	1.8	B9A	P
M8196	412 265 100		6.3	2	150	125	5.5	3.5	100	100	3	B7G	P
M8212	182 310 900		6.3				5		D			B7G	RR
M8245	412 365 400		6.3	12.5	250	250	45	4.1	100	150	4	B7G	P
M8248	412 344 600		6.3	1.35	150		13.5	13.5	No Data Available			B7G	T
MAZ41	*8* **9 23*		4				30		REC		15mA	A08	RR
MC1	423 060 000		1.9	1.5	100		4	0.8	100		0.8	8SC	T
ME2	642 350 000		2	12	200	200	13		100	100		B5	P
ME25	642 350 000		4	30	400	300	60		100	100		B5	P
ME1400	026 510 310	G1	6.3	2	250	100	1	1.8	100	100	1.8	A08	P
MH4	642 310 000		4	2	200		8	3	100		3.6	B5	T
MH40	642 310 000		4	3	200		2.7	2.4	100		2.4	B5	T
MH41	642 310 000		4	1.5	200		5.2	6	200		6	B5	T
MH206	645 230 600	G1	2	3	150	75	3.2		100	75		B7	H
MH1118	645 231 600	G1	10	3	200	100	3.5		100	90	0.6	B7	H
MH4105	645 231 600	G1	4	3	200	100	7.5		100	100		B7	H
MHD4	908 231 600	G1	4	4	200		2	1.9	100		1.9	B7	DDT
MHL4	642 310 000		4	8	250		8	2.5	100		2.5	B5	T

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE	
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V			
MHLD6	026 890 310	G1	6	5	200		11.5	3	100		3	A08	DDT	
MKT4	045 231 600		4	11	250	200	32	3	100	100	3	B7	P	
MKT4	642 310 000	G2	4	11	250	200	32	3	100	100	3	B5	P	
ML4	642 310 000		4	16	250		14	3.2	100		3.2	B5	T	
ML6	642 310 000		6	8	200		24	3.8	100		3.8	B5	T	
ML40	642 310 000		4	3	200			3	100		3	B5	T	
MM4V	542 310 000	A1	4	1.5	200	125	6	2.5	100	100	2.5	B5	P	
MM20	542 310 000	A1	20		200	100	6	3.5	100	100	3.5	B5	P	
MP2	642 300 000		2	12	150		12.5	3	100		3	B4	T	
MP4	067 231 500	G1	4		250	150	8	2.5	100	100	2.5	B7	PP	
MP/Pen	045 231 600		4	16	250	250	3	3.5	100	100	3.5	B7	P	
MP/Pen	642 310 000	G2	4	16	250	250	30	3.5	100	100	3.5	B5	P	
MPT4	045 231 600		4	9	250	200	32	3	100	100	3	B7	P	
MPT4	642 310 000	G1	4	9	250	200	32	3	100	100	3	B5	P	
MR1	802 300 000		4				120		REC		30mA	B4	R	
MR4	642 300 000		4	3	200		6	2.5	150		2.5	B4	T	
MS4	542 310 000	A1	4	1.5	250	75	2.4	1.1	250	75	1.1	B5	P	
MS4B	542 310 000	A1	4	1	200	75	3.4	3	100	75	3	B5	P	
MS4C	542 310 000	A1	4	1	200	75	3.4	3.2	200	75	3.2	B5	P	
MSG/HA	542 310 000	A1	4	1.5	200	80	2.1	2	100	75	2	B5	P	
MSG/LA	542 310 000	A1	4	1.5	200	75	5.2	3.7	100	75	3.7	B5	P	
MSP4	041 231 500	A1	4	1.8	200	100	3.4	2.4	100	75	3.5	B7	P	
MSP4	542 310 000	A1	4	1.8	200	100	3.4	2.4	100	75	3.5	B5	P	
MSP41	542 310 000	A1	4	4	250	250	8.5	3.2	100	150	3.2	B5	P	
MSP41	041 231 500	A1	4	4	250	250	8.5	3.2	100	150	3.2	B7	P	
MS/Pen	041 231 500	A1	4	1.5	200	100	4.8	2.8	100	100	2.8	B7	P	
MS/Pen	542 310 000	A1	4	1.5	200	100	4.8	2.8	100	100	2.8	B5	P	
MS/PenA	542 310 000	A1	4	2.5	200	150	9	4	100	150	4	B5	P	
MS/PenA	041 231 500	A1	4	2.5	200	150	9	4	100	150	4	B7	P	
MS/PenB	061 231 500	G1	4	1.5	200	100	4.8	2.8	100	100	2.8	B7	P	
MS/PenT	041 231 500	A1	4	1.5	200	100	4.8	2.8	100	100	2.8	B7	P	
MS/PenT	542 310 000	A1	4	1.5	200	100	4.8	2.8	100	100	2.8	B5	P	
MSVPen	041 231 500	A1	4	1.5	200	100	4.3	2.2	100	100	2.2	B7	P	
MSVPenB	061 231 500	G1	4	1.5	200	100	4.3	2.2	200	100	2.2	B7	P	
MU1	002 300 000	D1	4				60		REC		20mA	B4	R	
MU2	002 300 000	D1	2				5		D			B4	R	
MU12	892 300 000		4				60		REC		25mA	B4	RR	
MU12/14	892 300 000		4(5)				60		REC		40mA	B4	RR	
MU14	892 300 000		4				60		REC		40mA	B4	RR	
MU4250	232 300 000	D1	4				120		REC		30mA	B4	R	
MVSG	542 310 000	A1	4	1.5	200	75	7.5	2.5	100	75	2.5	B5	P	
MVSPen	542 310 000	A1	4	2	250	125	5.1	2.3	200	100	2.3	B5	P	
MX40	645 231 700	G1	4	{	1	150	75		0.15	150	75	0.6	B7	TH
					3	250	75	4.5	2.0	250	75	1.4		
MZ05-20	642 300 000		6	12	350		45	4.2	100		4	B4	T	

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
N14	036 540 200		1.4	7.5	90	90	7	1.5	80	75	1.5	A08	P
N15	026 540 230		1.4	7	90	90	7	1.5	80	75	1.5	A08	P
N16	026 540 230		1.4	4.5	90	90	9.5	2.1	80	90	2.1	A08	P
N17	264 536 200		1.4	7	90	75	7.4	1.5	80	60	1.5	B7G	P
N18	364 526 300		1.4	4.5	90	90	9.5	2.1	80	75	2	B7G	P
N19	365 024 300		1.4	4.5	90	90	7.7	2	80	75	2	B7G	P
N25	365 *24 300		1.4	5.2	90	90	5	1.4	80	75	1.4	B7G	P
N30	045 231 600		13	12	250	250	40	0.9	100	150	3.9	B7	P
N31	205 331 600	G1	13	4.4	200	175	40	10	100	100	9	B7	P
N34	105 231 600	G1	13		250	250	40	10.5	No Data Available			B7	P
N37	412 360 500		13	8	200	150	50	10	100	100	9	B7G	P
N40	045 231 600		4	3.5	250	250	32	2.9	100	150	2.9	B7	P
N41	045 231 600		4	3.5	250	250	32	10	100	150	9	B7	P
N42	045 231 600		4	16.5	250	250	34	2.5	100	150	2.5	B7	P
N43	005 231 600	G1	4(5)	4.5	250	250	40	10	100	150	9	B7	P
N63	026 540 310		6	16.5	250	250	34	2.5	100	150	2.5	A08	P
N66	026 540 310		6	15	250	250	85	6.3	100	150	6	A08	P
N77	412 360 500		6	12	250	250	20	2.6	100	150	2.6	B7G	P
N78	412 360 500		6	5.5	250	250	35	10	100	150	9	B7G	P
N108	412 36* 500		40	8	200	150	50	10	100	100	9	B7G	P
N118	23* *54 130		40	6	150	150	30	7.5	100	100		B8A	P
N119	*41 23* 6*5		45	12.5	200	175	70	10	No Data Available			B9A	P
N142	261 054 130		45	9.5	200	175	54.5	9.5	100	100	9	B8A	P
N144	412 360 500		6	12	250	250	20	2.6	100	150	2.6	B7G	P
N145	261 054 130		40	6.3	200	150	29	7.5	100	100	7	B8A	P
N147	026 540 310		6	6	250	250	36		100	150	8	A08	P
N148	265 004 130		6	12.5	250	250	45	9.4	100	100	4	B8A	P
N150	261 054 130		6	7	250	250	36	10	100	100	9	B8A	P
N151	261 045 130		6	13.5	250	250	22.5	2.9	100	100	2.9	B8A	P
N152	*41 23* *51	A1	20	28	200	200	40	6	100	100	6	B9A	P
N153	541 231 600		5	2.3	200	175	36	10	100	100	9	B9A	P
N154	*41 23* 6*5		16	14.2	200	200	45	8.2	100	100	7	B9A	P
N155	441 231 615		6	10.8	225	225	26	3.2	150	100	3.2	B9A	P
N308	02* 54* 310	A1	25	9.5	100	100	100	13	No Data Available			A08	P
N309	541 231 600		15	2.3	200	175	36	10	100	100	9	B9A	P
N329	*41 23* 6*5		16	14.2	200	200	45	8.2	100	100	7	B9A	P
N339	*41 23* *51	A1	21.5	13	150	150	50	8.5	100	100	7	B9A	P
N349	*41 23* *51	A1	20	12	150	150	5	8.5	100	100	7	B9A	P
N359	041 231 551	A1	21.5	28	200	200	40	6	100	100	6	B9A	P
N369	041 23* 6*5		12.6	10.3	200	175	31	8.3	No Data Available			B9A	P
N379	*41 23* 6*5		15		200	175	70	10	No Data Available			B9A	P
N709	*41 23* 6*5		6	7.3	250	250	48	11.3	100	150	10	B9A	P
N727	412 365 400		6	4.5	250	250	45	4.1	100	150	4	B7G	P
NDD40	802 310 000		4						D			B4	D
NEP51	023 110 560		4	3	250	100	8	2.2	100	100		8SC	P
NF2	023 110 560	G1	12.5	2	200	100	3	2.1	100	100	2.1	8SC	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE	
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V			
NF3	023 110 560	G1	12.5	2	200	100	4.5	2.3	100	100	2.3	8SC	P	
NG320	002 300 000	D1	2						D			B5	D	
NG3020	002 300 000	D1	2				5		D			B4	R	
NHP51	023 100 560	G1	4	2.5	250	100	3.5	2	100	100		8SC	P	
NIX2	*41 23* *51	A1	21.5	28	200	200	40	6	100	100	6	B9A	P	
NLP61	023 104 560		4	7	250	250	4	9	100	100		8SC	P	
NLP62	020 314 560		4	14	250	250	72	9	No Data Available			8SC	P	
NSS42	542 310 000	A1	4	2.5	250	100	3.5	2	100	100		B5	P	
NSS43	542 310 000	A1	4	2.5	250	100	3.5	2	100	100		B5	P	
NSS183	542 310 000	A1	20	2.5	200	100	3.5	2	100	100		B5	P	
NT51	023 100 060	G1	4	5	250		6	2.5	100		2.2	8SC	T	
NVS4	542 310 000	A1	4	2	200	100	6	1	100	100		B5	P	
NW4	642 310 000		4	2.5	200		2.5	1	100		2.2	B5	T	
OO	364 200 000		5		40		1	0.6	No Data Available			UX4	T	
OOA	364 200 000		5		40		1.5	0.6	No Data Available			UX4	T	
O1	364 200 000		5	4.5	90		2.5		80			UX4	T	
O1A	364 200 000		5	4.5	90		2.5	0.7	80		0.7	UX4	T	
O1AA	364 200 000		5	4.5	90		3.2	0.9	90		0.8	UX4	T	
O1B	364 200 000		5	4.5	90		2.5	0.7	90		0.7	UX4	T	
O15/400	642 300 000		4	35	400		40	4.5	100		4.5	B4	T	
O54V	642 310 000		4		100			4	100			B5	T	
O84	642 300 000		4	4	150		4	1.3	100		1.2	B4	T	
O202	645 230 000	G1	2	}	150	50	2		100			}	B7	O
					150	75	0.95	0.2	100	75	1			
O406	645 231 700	G1	4	}	90	90	2	1	100	90	1.3	}	B7	O
					4	250	90	1.6	1	250	90		1.5	
O1307	023 154 560	G1	4	1.5	200	90	8	3	200	75	1.6	8SC	P	
OBC3	041 896 231		12.5	2	250		1	1.1	150		1.1	A08	DDT	
OBF2	206 581 930	G1	9	2	200	100	6	1.8	100	100	1.7	A08	DDP	
OCH4	217 544 630	G1	15	}	100		3.5		100	60	3.5	}	A08	TH
					2	200	100	3	0.75	100	100		0.7	
OF1	026 510 310	G1	6.3	3	250	100	8.5	1.8	100	100	1.7	A08	P	
OF9	206 501 130	G1	8.5	2.5	200	100	6	2.2	100	100	2	A08	P	
OM1	020 080 310		30				120		REC		30mA	A08	R	
OM3	028 190 310		6						D			A08	DD	
OM4	026 980 310	G1	6	5	250		5.5	2.2	100		2.2	A08	DDT	
OM5	026 510 310	G1	6	2	250	100	3	1.8	100	100	1.8	A08	P	
OM5B	026 510 310	G1	6	2	250	100	3	1.8	100	100	1.6	A08	P	
OM5C	026 510 310		6	2	250	100	3	1.8	100	100	1.8	A08	P	
OM6	026 510 310	G1	6	2.5	250	100	6	2	100	100	2	A08	P	
OM7	026 510 310	G1	6	2.5	250	100	6	2	100	100	2	A08	P	
OM9	026 500 310	G1	6	18	250	250	32	2.8	100	150	2.8	A08	P	
OM10	027 546 310	G1	6	}	2.0	100	5.4	2.2	100	60	2.8	}	A08	TH
					2.0	250	100	5.0	2.4	100	100		1.2	
OP41	045 231 600		4	12.5	250	250		9.1	100	100	8	B7	P	
OP42	045 231 600		4	6.2	250	250		10.5	100	100	9	B7	P	
OS6/300	642 350 000		4	20	300	150	22	2	100	100		B5	P	
OS18/600	023 114 500	A1	6	14	250	275	72	8.5	100	150	8	8SC	P	

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
OSW2190	021 414 360		6.3	2	300	150	10	9	No Data Available			A08	P
OSW2192	120 415 360		6.3	3	300	150	30	11	No Data Available			A08	P
OSW2600	021 415 360		6.3	2	300	150	10	9	No Data Available			A08	P
OSW2601	120 415 360		6.3	3	300	150	30	11	No Data Available			A08	P
OSW3105	041 896 230		6.3	2	250		0.9	1.1	100		1	A08	DDT
OSW3106	026 540 310		6.3	12.5	250	250	45	4.1	100	150	4	A08	P
OSW3107	020 809 030		5				60		REC		20mA	A08	RR
OSW3108	026 540 310		6.3	14	250	250	72	6	100	150	5	A08	P
OSW3109	028 190 300		6.3						D			A08	DD
OSW3111	021 415 360		6.3	3	250	100	9.2	2	100	100	2	A08	P
OSW3112	026 040 310		6.3	8	250		9	2.6	100		3	A08	T
P2	642 300 000		2	6	100		12	3.5	100		4	B4	T
P4	642 300 000		4	21	250		30	2.8	100		2.8	B4	T
P6MO	023 104 560		6.3	14	250	250	72	9	100	100		8SC	P
P12/250	642 300 000		4	44	250		60	6	100		6	B4	T
P15/250	642 300 000		4	44	250		60	6	100		6	B4	P
P15/250S	023 004 060		4	44	250		60	6	100		6	8SC	T
P24/450	642 300 000		7.5	70	400		55	2.1	100		2.1	B4	T
P25/400	642 300 000		6	100	350		70	3.7	100		3.7	B4	T
P25/500	642 300 000		6	90	400		65	3	100		3	B4	T
P26/500	642 300 000		4	100	400		62.5	4.2	100		4.2	B4	T
P27/500	642 300 000		4	27	400		62.5	8.5	100		8	B4	T
P30/500	642 300 000		4	100	400		60	4	100		4	B4	T
P41	216 040 030		4	11.8	250		16	4.5	100		4.5	M08	T
P43M	642 350 000		4	17	250	250	26	2.5	100	100		B5	P
P61	216 040 030		6	11.8	250		16	4.5	100		4.5	M08	T
P215	642 300 000		2		150			1.4	100		2.2	B4	T
P220	642 300 000		2	7.5	150		6	3	100		3	B4	T
P220A	642 300 000		2	14	150		15	2.7	100		2.7	B4	T
P222	642 300 000		2	10.5	150		6	3	100		3	B4	T
P225	642 350 000		2	4.5	150	150	5.6	2.2	100	100	2.2	B5	P
P240	642 300 000		2	24	150		18	1.1	100		3.7	B4	T
P240A	642 300 000		2	21	150		25	5	100		5	B4	T
P410	642 300 000		4	12	150		7	1.3	100		1.5	B4	T
P414	642 300 000		4	16	100		14	2.8	80		2.8	B4	T
P415	642 300 000		4	25	150		14	1.5	100		1.5	B4	T
P420	642 300 000		4	85	400		50	6	100		6	B4	T
P421	642 350 000		4	11	200	75	12	1.5	100	75		B5	P
P422	642 350 000		4	20	250	250	22	2.5	100	100		B5	P
P425	642 350 000		4	25	300	200	20	1.7	100	150	1.7	B5	P
P425	642 300 000		4	16.5	150		17	1.9	100			B4	T
P430	264 300 000		4	30	200		25	2.2	100		2.2	UX4	T
P434	032 004 560		4	17	250	250	36	2.5	100	100		8SC	P
P435	642 350 000		4	17	250	250	30	3	100	150	3	B5	P
P440	642 350 000		4	30	400	200	45	5	No Data Available			B5	P
P440N	045 231 600		4	22	250	250	26	2.8	100	150	2.8	B7	P
P440N	642 310 000		4		250	250	20	2.5	100	150	2.8	B5	P



VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
P441N	045 231 600		4	22	250	250	36	2.8	100	150	2.8	B7	P
P455	264 300 000		4	15	250		30	5.5	100		5.5	UX4	T
P455	023 100 650		4	25	250	250	36	2.6	100	150	2.8	8SC	P
P460	642 300 000		4	40	200		50	3.5	100		3.5	B4	T
P520	642 350 000		5	17	200	150	12	1.3	100	100		B5	P
P625	642 300 000		6	26	250		24	2.5	100			B4	T
P469	045 231 600		4	14	250	275	72	8.5	100	150	7	B7	P
P495	045 231 600		4	6	200	200	32		100	100		B7	P
P496	045 231 600		4	6	200	200	32	9.5	100	100	8	B7	P
P625A	642 300 000		6	39	200		25	2.3	100			B4	T
P625B	642 300 000		6	1	200			2.8	200		2.8	B4	T
P626	023 100 560	G1	6.3	32	250	250	26	2.5	100	100		8SC	P
P628	023 100 560	G1	6.3	17	250	250	56	2.5	100	100		8SC	P
P650	642 300 000		6	1	100		37	2.7	100		2.7	B4	T
P861	289 130 000		6				30		REC		15mA	UX5	RR
P1320	023 100 560		13	20	250	250	22	1.9	100	100		8SC	P
P2018	642 310 000		20	15	200		20	4	100		4	B5	T
P2020N	642 310 000	G2	20	18	200	200	20	1.7	100	100	1.7	B5	P
P2060	023 140 560		24	19	200	100	40	3.2	100	90	3	8SC	P
P2460	642 310 000	G2	24	19	200	100	40		100	90		B5	P
P3580	045 231 600		33	8.5	200	200	45	8	100	150	7	B7	P
P4100	642 300 000		4	40	400		30		100			B4	T
PA20	642 300 000		2	36	300		49	5.2	100		5	B4	T
PA1	642 310 000		4	10	200		40	5	100		5	B5	P
PA40	642 300 000		4	90	400		200	10	100		9	B4	T
PAB1	023 140 980		6						D			8SC	DDD
PABC80	491 238 146		9.5	2.3	200		1	1.4	100		1.4	B9A	DDDT
PB1	234 600 000		2	4	150		11.5	3.8	150		3.8	B4	T
PB495	892 300 000		4				30		REC		15mA	B4	RR
PBF2	026 895 310	G1	6	3	250	100	5.8	1.2	100	100	1.2	A08	DDP
PC86	641 234 146		3.8	1.5	200		12	14	No Data Available			B9A	T
PC88	414 234 464		4	1.2	150		12.5	14	No Data Available			B9A	T
PC92	602 304 100		3.2	2	250		10	5	100		5	B7G	T
PC93	642 314 600		4.7	4	100		16	8	100		8	B9A	P
PC95	142 360 100		3.6	1.2	200		10	10.5	No Data Available			B7G	T
PC96	412 314 600		3.1	1	200		11.5	6.7	200		6.7	B7G	T
PC97	142 360 100		4.5	1	150		11	13	No Data Available			B7G	T
PC900	412 361 100		4	1	150		12	15	No Data Available			B7G	T
PCC84	147 234 116		7	1.5	90		12	6	100		6	B9A	TT
PCC85	641 237 410		9	2.1	200		10	5.8	150		5.8	B9A	TT
PCC88	641 237 410		7	1.2	90		15	12.5	No Data Available			B9A	TT
PCC89	147 234 116		7.2	1.2	90		15	12	No Data Available			B9A	TT
PCC189	641 237 410		7	1.2	90		15	12.5	No Data Available			B9A	TT
PCC805	146 234 117		7	1.2	90		15	9	100		9	B9A	T
PCC806	146 234 117		7	1.2	90		15	9	100		9	B9A	TT
PCE80	641 237 541		10	{		200	10	3.4	100	60	3.4	B9A	TP
				{		200 200	10	12.5	100	100			

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE	
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V			
PCE82	641 237 541		10	{	150		10	3.7	100		3.7	} B9A	TP	
					200	200	10	12.5	100	100				
PCE800	641 237 541		9.4	{	200		10	3.4	100	60	3.4	} B9A	TP	
					200	200	10	7.5	100	100				
PCF80	645 237 114		9	{	2	100		14.0	5.0	100	60	5.0	} B9A	TP
					2.0	200	175	10.0	6.2	150	150	5.0		
PCF82	645 237 114		9.5	{	1.0	150	0	18	8.5	100	60	7.0	} B9A	TP
					1.0	250	100	10	5.2	100	100	5.0		
PCF84	576 234 141		9	{	2	100		14	2.5	100	60	3	} B9A	TP
						200	175	8	2.5	100	100	2.2		
PCF86	141 234 675		8	{	3	100		14	6	100	60		} B9A	TP
					1.2	200	150	10	12	No Data Available				
PCF87	157 236 414		7.4	{	3.2	100		15	8.5	100	60	8	} B9A	TP
						200	150	6.4	15	100	100			
PCF800	157 236 414		9	{		100		6	5	100	60	5	} B9A	TP
						200	150	7.6	8.5	100	100	5		
PCF801	141 237 564		8	{	3	100		15	8.5	100	60	8	} B9A	TP
					1.2	200	125	10	10.5	100	100			
PCF802	645 237 114		9.0	{	2.0	200		3.5	3.5	100	60	3.5	} B9A	TP
					1.0	100	100	6.0	5.5	100	100	5		
PCF803	141 237 564		9	{	3	100		15	9	80	60		} B9A	TP
						150	100	10	11	80	60			
PCF805	657 231 414		7.4	{	3	100		14	5.5	100	60	5	} B9A	TP
					1.5	150	150	10	11	100	100			
PCF806	141 237 564		8	{	3	100		14	5.5	100	60	6	} B9A	TP
					1.2	200	150	10	12	100	100			
PCF808	657 231 414		7.4	{	3	100		14	5.5	100	60	6	} B9A	TP
					1.7	150	150	12	14.5	80	60			
PCL81	451 237 614		12.6	{	1.9	150		1.3	1.6	100	60	1.2	} B9A	TP
					6.5	200	200	30	8.7	100	100			
PCL82	414 237 516		16	{	1.5	200		1.7	2.4	100	60	3	} B9A	TP
					11	200	175	41	7.5	100	100	6		
PCL83	641 237 154		12.5	{	8.5	250	0	10.5	2.2	100	60	2.0	} B9A	TP
					9.0	200	175	30	4.7	100	100	4.0		
PCL84	461 237 145		15	{	1.7	200		3	4	100	60	4	} B9A	TP
					2.9	200	200	18	10	100	100			
PCL85	641 237 514		18	{	0.8	100		5	6.5	100	60	6.5	} B9A	TP
					15	200	175	41	7.5	100	100			
PCL86	415 237 146		14.5	{	1.7	250		1.2	1.6	100	60	2	} B9A	TP
					5.7	250	250	39	10.5	No Data Available				
PCL88	414 237 516		16	{		200		10	3.4	100	60	3	} B9A	TP
						200	200			100	100			
PC05-15	023 014 500	A1	4			400	250	40	1.3	No Data Available		8SC	P	
PC03/3A	023 014 500	A1	2			300	125		1.4	100	100		8SC	P
PC03/3B	023 014 500	A1	4			300	125		1.4	100	100		8SC	P
PD220	446 230 700		2	1.2	150			0.8	0.9	150		0.9	B7	TT
PD220A	446 230 700		2	3	150			5	1.5	100		1.5	B7	TT
PDD2	264 589 130		6.3	6	250	250	36	9	100	100	8.5	AO8	DDP	
PE04-10	023 114 500	A1	12			400	300	27	7.5	No Data Available		8SC	P	
PE05-15	023 114 500	A1	12					40	1.5	No Data Available		8SC	P	

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE	
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V			
PE05/25	256 130 000	A1	12.6	80	400	200	70			No Data Available			B5B	P
PE06/40P	123 114 500	A1	6	40	400	300	40	4		No Data Available			8SC	P
PE1-100	245 611 300		12	33	400	250	40	6		No Data Available			B7A	P
Pen4DD	918 236 500	G1	4(5)	6	250	250	36	9.5	100	150	8	B7	DDP	
Pen4V	642 310 000	G2	4	10	250	200	35	3	100	150	2.8	B5	P	
Pen4VA	642 310 000	G2	4	22	250	250	36	2.8	100	150	2.8	B5	P	
Pen4VA	045 231 600		4	20	250	250	36	2.8	100	150	2.8	B7	P	
Pen4VB	045 231 600		4	5.8	250	250	36	9.5	100	150	8	B7	P	
Pen4VX	642 310 000	G2	4	15	350	200	22	3.5	100	150	3.5	B5	P	
Pen13	023 100 560	G1	13	14	200	200	25	2.5	100	100	2.5	8SC	F	
Pen13A	023 110 560	G1	33	8.5	200	200	45	8	100	100	6	8SC	P	
Pen13C	045 231 600		13	11	250	250	32	6.5	100	150	6	B7	P	
Pen20	642 310 000	G2	20	18	200	200	20	1.7	100	150	1.7	B5	P	
Pen24	206 540 030		2	3.3	200	125	5	4	100	100	4	M08	P	
Pen25	206 540 030		2	3.6	200	125	5	3	100	100	3	M08	P	
Pen26	023 100 560	G1	24	19	200	100	40	3.1	100	60	3	8SC	P	
Pen36A	145 231 600		35	8.5	200	200	45	8	100	150	7	B7	P	
Pen36C	045 231 600		33	8.5	200	200	45	8	100	100	7	B7	P	
Pen40DD	918 236 500	G1	44	8.5	200	200	45	8	100	100	7	B7	DDP	
Pen44	216 540 030		4	11	300	275	70	10.6	100	150	9	M08	P	
Pen45	216 540 030		4	8.5	250	250	40	8.8	100	150	8	M08	P	
Pen45AN	216 540 030		4	8.5	250	250	40	8.8	100	150	8	M08	P	
Pen45DD	216 590 830	G1	4	8.5	250	250	40	8.8	100	100	8	M08	DDP	
Pen46	210 540 030	A1	4(5)	8	300	225	63	8.5	100	100	8	M08	P	
Pen141	206 540 030		1.4	9	90	90	5.5	1.4	80	75	1.4	M08	P	
Pen220	642 350 000		2	4.9	150	150	9	2.2	100	100	2.2	B5	P	
Pen220A	642 350 000		2	9	150	150	18	2.2	100	100	2.2	B5	P	
Pen230	642 350 000		2	4.5	150	125	6	2.2	150	125	2.2	B5	P	
Pen231	642 350 000		2	2.5	150	125	5	4.4	100	100	5	B5	P	
Pen383	216 540 030		38	10	200	175	64	10.5	100	100	9	M08	P	
Pen384	216 540 030		38	7	150	125	40	7.8	100	100	12	M08	P	
Pen425	642 350 000		4	25	300	200	20	1.7	100	100	1.7	B5	P	
Pen428	045 231 600		4(5)	13.8	250	250	72	8.5	250	200	7	B7	P	
Pen453DD	216 590 830	G1	45	10	200	175	64	10.5	100	100	9	M08	DDP	
Pen650	023 114 500	A1	6	24	400	300	30	5	100	150	5	8SC	P	
Pen1340	045 231 600		13	8.6	250	250	41	6.4	100	150	6	B7	P	
Pen2020	023 100 560	G1	20	19	200	100	40	3.1	100	60	3.1	8SC	P	
Pen3520	045 231 600		35	8	200	200	40	7.3	100	100	7	B7	P	
Pen3820	045 231 600		38	10	150	175	64	10.5	100	100	9	B7	P	
PenA1	642 350 000		4	16.5	250	250	32	3	100	150	3	B5	P	
PenA4	045 231 600		4	5.8	250	250	36	9.5	100	150	9	B7	P	
PenA4	005 231 600	G1	4	5	250	250	40	9.1	100	100	8	B7	P	
PenB1	642 350 000		2	4.5	150	150	8.5	2.5	100	100	2.5	B5	P	
PenB4	045 231 600		4(5)	14	250	275	72	8.5	100	150	7	B7	P	
PenDD61	869 231 500	G1	6	5.3	250	250	32	8.5	250	200	8	B7	DDP	
PenDD1360	968 231 500	G1	13	5.3	250	250	32	8.2	100	100	8	B7	DDP	

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
PenDD2530	869 231 500	G1	25	7.8	250	250	43	7.8	100	150	7.8	B7	DDP
PenDD4020	968 231 500	G1	40	7.7	250	250	43	7.8	100	100	7	B7	DDP
PenDD4021	968 231 500	G1	45	10	200	175	64	10.5	100	100	12	B7	DDP
PF9	026 510 310	G1	6	3.5	250	100	7.5	1.7	100	100	1.6	A08	P
PF83	501 236 014		4.5	2	60	50	1.9		No Data Available			B9A	P
PF86	501 236 014		4.5	2	250	150	3	2	100	100		B9A	P
PF462	041 230 500	A1	2	1	150	150	3	1.9	150	150	1.9	B7	P
PF472	041 230 500	A1	2	0.5	150	150	2.5	1.7	150	150	1.7	B7	P
PL11	602 301 450		17.5	10.5	200	200	53	9	100	100		F8	P
PL33	026 540 310		19	5.3	250	250	32	9	100	150	8	A08	P
PL36	*2* 540 310	A1	25	21	200	175	100	11	No Data Available			A08	P
PL38	120 540 310	A1	30	5.5	200	200	75	13.5	100	150	10	A08	P
PL81	*41 23* *51	A1	21.5	28	200	200	30	6	100	100	6	B9A	P
PL81F	*41 23* *51	A1	21.5	28	200	200	30	6	100	100	6	B9A	P
PL82	041 230 605		16	14.2	200	200	45	7.6	100	100	7	B9A	P
PL83	541 231 600		15	2.3	200	175	36	10	100	100	9	B9A	P
PL84	*41 23* 6*5		15	12.5	200	175	70	10	100	100	9	B9A	P
PL136	521 441 350	A1	35	12	100	100	90	19	No Data Available			A08	P
PL183	541 231 640		12.6	2.1	150	225	40	25	No Data Available			B9A	P
PL300	521 441 350	A1	35	22.5	200	150	100	10	No Data Available			B8A	P
PL500	441 235 510	A1	27	14	150	150	100	10	No Data Available			B9D	P
PL820	041 231 551	A1	21.5	22	200	175	45	6.2	100	100	6	B9A	P
PM04	412 365 100		6.3	1.2	250	100	11	4.4	100	100	4	B7G	P
PM05	412 365 100		6.3	2.3	150	150	7	4.3	100	100	4	B7G	P
PM07	412 361 500		6.3	2	250	250	10	7.5	100	150	5	B7G	P
PM1A	642 300 000		2		100		1	1.2	100		1.2	B4	T
PM1HF	642 300 000		2	3	150		1.5	0.8	100		0.8	B4	T
PM1HL	642 300 000		2	1.5	150		2.3	1.2	150		1.2	B4	T
PM1LF	642 300 000		2	6	150		3	0.9	100		0.9	B4	T
PM2	642 300 000		2	7	100		4	0.9	100		0.9	B4	T
PM2A	642 300 000		2	6	160		5	2	100		2	B4	T
PM2B	446 230 700		2	1	150		3	2.5	100		2.5	B7	TT
PM2BA	446 230 700		2	1	150		3	2.1	100		2.1	B7	TT
PM2DL	642 300 000		2	4.5	150		2	1.5	100		1.5	B4	T
PM2DX	642 300 000		2	5	150		2.3	1.1	100		1	B4	T
PM2HL	642 300 000		2	1.5	150		2.2	1.4	150		1.4	B4	T
PM3	642 300 000		4		100		2	1.1	100		1	B4	T
PM4DX	642 300 000		4		100		1.5	2	100		2	B4	T
PM12	542 300 000	A1	2		150	75	4	1.1	100	75	1.1	B4	P
PM12A	542 300 000	A1	2	1	150	75	2	1.5	100	75	1.5	B4	P
PM12M	542 300 000	A1	2	1	150	90	1.4	1.4	150	90	1.4	B4	P
PM12V	542 300 000	A1	2		150	90		0.7	100	90	0.7	B4	P
PM14	542 300 000	A1	4		150	75	2.7	0.8	100	75	0.8	B4	P
PM22	642 350 000		2	10	150	150	15	1.3	100	100	1.3	B5	P
PM22A	642 350 000		2	4.5	150	150	5.6	2.2	100	100	2.2	B5	P
PM22C	642 350 000		2	16	150	150	23	3	100	100	3	B5	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
PM22D	642 350 000		2	2.4	150	150	5	3	100	100	3	B5	P
PM24	642 350 000		4	11	150	150	20	1.7	100	100	1.7	B5	P
PM24	642 310 000	G2	4	11	150	150	20	1.7	100	100	1.7	B5	P
PM24A	642 350 000		4	22.5	300	200	20		100	100	2	B5	P
PM24B	642 350 000		4	40	400	300	30	2.1	100	100	2.1	B5	P
PM24C	642 350 000		4	20	400	200		3	100	100		B5	P
PM24D	642 350 000		4(5)	35	400	200	50	4	100	100	4	B5	P
PM24DC	642 350 000		4(5)	42	300	200	20	1.5	100	100	2	B5	P
PM24E	642 350 000		4	40	300	300	83	3.9	100	150	3.9	B5	P
PM24M	642 350 000		4	17	250	250	30	3	100	150	3	B5	P
PM202	642 300 000		2	14	150		14	3.5	100		2.5	B4	T
PM252	642 300 000		2		100		32	3.7	100			B4	T
PM254	642 300 000		4	21	200		15		100			B4	T
PM256	642 300 000		6	27	250		20		100		2.4	B4	T
PN2	642 350 000		2	7.5	150	150	6		100	100		B5	P
PP2	642 300 000	G2	2	5	150	150	7	2.1	100	100	2.1	B4	P
PP2	642 350 000		2	5	150	150	7	2.1	100	100	2.1	B5	P
PP2S	023 004 560		2	5	150	150	7	2.1	100	100	2.1	8SC	P
PP3/250	642 300 000		4	37	300		48	5.2	100		6.5	B4	T
PP4	642 350 000		4	15	250	250	36	3	100	150		B4	P
PP4S	032 004 560		4	15	250	250	36	3	100	150		8SC	P
PP4S	642 350 000		4	15	250	250	36	3	100	150		B5	P
PP5/400	642 300 000		4(5)	32	400		62	8.2	100		6	B4	T
PP6AS	023 104 560		6	18	250	250	32	2.8	100	150	2.8	8SC	P
PP6B	265 413 000		6		250	250	36	10	100	150	9	UX6	P
PP6BG	026 540 310		6	6	250	250	36	10	100	150	9	A08	P
PP6BS	026 540 310		6	6	150	250	36	9	100	150	9	A08	P
PP6C	026 540 310		6	12	250	200	36	10	100	150	9	A08	P
PP6E	045 231 600		6	17	500	275	72	8.5	100	150	8	B7	P
PP13A	045 231 600		13	12	200	200	40	2.6	100	100	2.5	B7	P
PP13S	023 100 560	G1	13	14	200	200	25	3.5	100	100	3.5	8SC	P
PP24	005 231 600	G1	24	19	200	100	40	3	100	75	3	B7	P
PP24S	023 100 560	G1	24	19	200	100	40	3	100	75	3	8SC	P
PP34	005 231 600	G1	35	6.5	200	200	45	8.5	100	100	8	B7	P
PP34S	023 100 560	G1	35	6.5	200	200	45	8.5	100	100	8	8SC	P
PP35	045 231 600		35	6.5	200	200	45	8.5	100	100	8	B7	P
PP36	145 231 600		35	6.5	200	200	45	8.5	100	100	8	B7	P
PP37	005 231 600	G1	35	9.5	200	100	45	8.5	100	75	8	B7	P
PP60	026 540 310		6	15	250	250	85	6.3	100	150	6.3	A08	P
PP215	642 350 000		2	4.5	90	90	8	1.7	100	90	1.7	8SC	P
PP215S	032 004 560		2	4.5	90	90	8	1.7	100	90	1.7	8SC	P
PP220	642 300 000		2	12	150		12.5	3	100		3	B4	T
PP222	642 350 000		2	6	150	150	12	2.5	100	100	2.5	B5	P
PP222	642 300 000	G1	2	6	150	150	12	2.5	100	100	2.5	B4	P
PP225	642 350 000		2	12	150	150	18	2	100	100	2	B5	P
PP225S	023 004 560		2	12	150	125	18	2	100	100	2	8SC	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
PP415	642 350 000		4	12	200	200	12	1.8	100	150	1.8	B5	P
PP416	642 350 000		4	12	200	75	10	2	100	60	2	B5	P
PP430	642 350 000		4	25	200	200	20	2	100	100	2	B5	P
PP431	642 350 000		4	20	250	250	22	1.9	100	150	1.9	B5	P
PP2018	642 310 000	G2	20	18	200	200	20	2.5	100	100	2.5	B5	P
PP2018	045 231 600		20	18	200	200	20	2.5	100	100	2.5	B7	P
PP2101	364 520 000		2	3	150	150	7	2.1	100	100	2.1	UX5	P
PP3521	040 231 600		35	25	200		70	6.3	100		6	B7	T
PP4100	642 350 000		4	40	400	300	30	3	100	150	3	B5	P
PP4101	642 350 000		4	14	250	250	36	3.5	100	150	3.5	B5	P
PP4118	160 452 300		40	10	200	175	35	6.5	100	100	6	C7	P
PT	045 231 600		4	6	250	250	32.5	7.5	100	150	2	B7	P
PT2	642 350 000		2	4.5	150	125	5.3	2.6	100	100	7.6	B5	P
PT2	642 300 000	G2	2	4.5	150	150	6.5	2.5	100	100	2	B4	P
PT2A	642 350 000		2	10.5	150	150	18		100	100		B5	P
PT2K	642 350 000		2	4.5	150	150	9.5	2.5	100	100	2.5	B5	P
PT4	642 350 000		4	17	250	250	30	3	100	150	2.3	B5	P
PT4	045 231 600		4	6	250	250	36	9.5	100	150	7	B7	P
PT4	216 045 300		4	6	250	250	31	7	100	100		B7	P
PT4D	968 231 500	G1	4	6	250	250	32.5	7.5	100	150	7	B7	DDP
PT5	045 231 600		26	7	250	250	36	9	100	100		B7	P
PT10	045 231 600		4	7.5	250	250	40	9	100	150	8	B7	P
PT12	204 531 102	A1	10	15	250	250	62	6	100	150	6	B9	P
PT15	542 310 000	A1	6	25	300	300	40	2.8	100	100	1.2	B5	P
PT16	642 350 000		4	15	300	300	55	4.8	100	150	4.8	B5	P
PT25	642 350 000		4	22	400	200	62	4	100	100	4	B5	P
PT25H	642 350 000		5	16	400	300	62	6.5	100	150	5	B5	P
PT41	642 350 000		4	12.5	250	200	30	3	100	100	3	B5	P
PT41B	642 350 000		4	40	400	300	30	2.2	100	100	2.2	B5	P
PT225	642 350 000		2	6	150	150	8	2.3	100	100	2.5	B5	P
PT225	642 300 000	G2	2	6	150	150	8	2.3	100	100	2.5	B4	P
PT240	642 350 000		2	9	150	150	16	2.5	100	100	1.6	B5	P
PT250	642 350 000		2	15	250	250	40		100	150		B5	P
PT425	642 350 000		4	7.5	150	150	15	2	100	100	2	B5	P
PTA	045 231 600		13	10	250	250	32	4	100	150	4	B7	P
PTAD	968 231 500	G1	4	6	250	250	7	7	100	150	7	B7	DDP
PTS	005 231 600	G1	26	5.5	250	250	40	6	100	150	6	B7	P
PTS	045 231 600		26	8.2	250	250	32	6	100	150	5	B7	P
PTSA	869 231 500	G1	26	5.5	200	200	40		100	150		B7	DDP
PTSD	968 231 500	G1	26	5	250	200	40	6	100	150	6	B7	DDP
PTT120P	641 237 410		18	1.5	250		10	5.5	100			B8D	TT
PTT122P	641 237 410		18	2	250		10	5.5	100		5	B8D	TT
PTT141	602 441 443		6.3	1.2	150		22	25	No Data Available			B9A	T
PTT202	412 356 010		18	2.2	200	200	8	5.5	100	100		B8D	P
PTT202S	412 356 010		18	2.2	200	200	8	5.5	100	100		B8D	P
PTT203	026 510 310	G1	18	5	200	200	35	8.5	No Data Available			A08	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
PTT203P	026 500 310	G1	18	5	200	200	35	8.5	100	100		A08	P
PTT208P	412 356 110		18	4.5	200	200	18	6	100	100		B8D	P
PTT212P	412 356 010		18	1.6	200	200	10.5	8.5	No Data Available			B8D	P
PTT213P	412 356 010		6.3	1.6	200	200	10.5	8.5	No Data Available			B8D	P
PTT214P	412 365 110		6.3	1.8	150	150	12.5	13.5	No Data Available			B8D	P
PTT216	402 106 053		6.3	1.8	150	150	12.5	13.5	No Data Available			B8D	P
PTT217	123 141 516		6.3	1.6	150	150	12.5	16	No Data Available			B9A	P
PTT241P	412 356 *00		6.3	2.9	250	225	34	12.5	No Data Available			B8D	P
PTT243P	421 356 130		6.3	1.5	150	150	26	28	No Data Available			B8D	P
PTT244P	615 141 230		18	1.5	150	150	26	27	No Data Available			B8D	P
PTT310A	601 143 210		20	1.8	75	75	2	3.2	80	75	3.2	B8D	P
PTZ	005 231 600	G1	40	5.5	250	200	40	7.5	100	150	7	B7	P
PV06-20	400 235 100	A1	6	40	200	300	40	4	100	100	4	B7	P
PV06-25	401 235 100	A1	6	40	200	300	40	4	100	100	4	B7	P
PV1-35	401 235 100	A1	12	25	250	200	40	2	100	100	2	B7	P
PV4	892 300 000		4				60		REC	20mA		B4	RR
PV25	091 231 800		25				60		REC	20mA		B7	RR
PV29	091 231 800		30				60		REC	20mA		B7	RR
PV29S	123 180 090		30				60		REC	20mA		8SC	RR
PV30	091 231 800		30				30		REC	15mA		B7	RR
PV30A	123 180 090		30				30		REC	15mA		8SC	RR
PV30S	123 190 080		30				60		REC	20mA		8SC	RR
PV75/1000	892 300 000		4				30		REC	17mA		B4	RR
PV100/2000	892 300 000		4				60		REC	18mA		B4	RR
PV200/600	892 300 000		4				120		REC	28mA		B4	RR
PV400	802 300 000		4				30		REC	15mA		B4	R
PV430	892 300 000		4				15		REC	9mA		B4	RR
PV475	892 300 000		4				15		REC	11mA		B4	RR
PV480	802 300 000		4				30		REC	16mA		B4	R
PV495	892 300 000		4				30		REC	17mA		B4	RR
PV3018	190 812 300		30				60		REC	20mA		C7	RR
PV4100	892 300 000		4				30		REC	15mA		B4	RR
PV4200	892 300 000		4				60		REC	27mA		B4	RR
PV4201	892 300 000		4				60		REC	27mA		B4	RR
PV4300	892 300 000		4				60		REC	20mA		B4	RR
PVB6	892 310 000		6				60		REC	20mA		B5	RR
PX2	642 300 000		2	22	150		22	1.5	100		1.5	B5	T
PX4	642 300 000		4	43	300		43	6	100		6	B4	T
PX5	642 300 000		4	34	400		62.5	6.5	100		6.5	B4	T
PX25	642 300 000		4(5)	31	400		40	7.5	100		7	B4	T
PX25A	642 300 000		4(5)	100	400		62.5	3.7	100		6.5	B4	T
PX41	642 300 000		4	40	250		49	6	100		6	B4	T
PX230	642 300 000		2	15	150		17.5	3.5	100		3.5	B4	T
PX230SW	602 300 000	G1	2	15	150		18	3.5	100		3.5	B4	T
PX240	642 300 000		2	32	200		25	3	100		3	B4	T
PX2100	642 300 000		7.5	30	400		18	1.6	100		1.6	SM4	T

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
PY31	020 080 310		17				120		REC		70mA	A08	R
PY32	028 08* 310		29				180		REC		70mA	A08	R
PY33	028 080 310		29				180		REC		70mA	A08	R
PY71	200 800 030	C	21				120		REC		30mA	B8B	R
PY80	001 230 008		19				180		REC		70mA	B9A	R
PY81	*** 23* **8	C	17				120		REC		40mA	B9A	R
PY82	**1 23* **8		19				180		REC		70mA	B9A	R
PY83	*** 23* **8	C	20				120		REC		70mA	B9A	R
PY88	*** 23* **8	C	26				120		REC		40mA	B9A	R
PY300	028 08* 310		29				180		REC		40mA	A08	R
PY800	*** 23* **8	C	19				120		REC		40mA	B9A	R
PY801	*** 23* **8	C	19				120		REC		40mA	B9A	R
PZ	264 530 000		2.5	16.5	250	250	31	2.5	100	150	2.5	UX5	P
PZ03-3	401 235 000	A1	4	25	300	125	25	1.4	100	100	1.4	B7	P
PZ05-15	401 235 000	A1	4		400	150	40	1.2	100	100	1.2	B7	P
PZ30	029 183 210		26				120		REC		60mA	A08	RR
PZH	265 413 000		2.5	16.5	250	250	34	2.2	100	150	2.2	UX6	P
QA2400	412 361 500		6	2.5	200	200	8	2.5	100	150	2.5	B7G	P
QA2401	6*2 364 100		6	8.5	250		10.5	2.2	100		2.2	B7G	T
QA2402	412 36* 500		6	13.5	250	250	16	2.6	100	150	2.6	B7G	P
QA2403	412 361 500		6	2.0 1.6	250	250	10.0	7.5	100	150	5.0	B7G	P
					200	150	4.0	6.4	100	150	5.0		
QA2404	192 310 800		6				3		D			B7G	DD
QA2405	241 657 143		6	14	250	150	30	3.9	100	100	3.9	B9G	PP
QA2406	471 226 413		6	2	250		10	5.5	100		5	B9A	TT
QA2407	802 309 100		6				30		REC		15mA	B7G	RR
QA2408	471 461 230		6	8	250		9	2.6	100		2.6	A08	TT
QB65	461 471 230		6	8	250		9	2.6	100		2.6	A08	TT
QB309	641 227 413		6	2	250		10	5.5	100		5	B9A	TT
QC05/35	235 242 300	A1	1.6		200	200	100	7	No Data Available			A08	P
QD77	182 310 900		6						D			B7G	DD
QOE03/20	245 134 200	A1 A2	6	17	400	200	20	2.5	No Data Available			B7A	PP
QEO4-10	265 511 413		6	12	300	150	25	1.9	100	100		B9G	P
QEO5	125 141 300	A1	6		200	200	100	7	No Data Available			A08	P
QEO6-50	254 130 000	A1	6	14	200	250	83	6.5	100	100		UX5	P
QL77	6*2 364 100		6	8.5	250		10.5	2.2	100		2	B7G	T
QN77	412 360 500		6	12.5	250	250	16	2.6	100	150	2.6	B7G	P
QP21	446 235 700		2	4.5	150	150	11	2.3	100	100	2.3	B7	PP
QP22A	465 230 574		2	12	150	150	3	4	150	150	4	B9	PP
QP22B	446 235 700		2	11.7	150	150	3.8		100	100	3.1	B7	PP
QP25	207 544 630		6	2	150	125	10	3	100	100	3	M08	PP
QP230	446 235 700		2	9.6	150	125	4.6	3	100	100	3	B7	PP
QP240	465 230 574		3	5	150	150	25	4	100	100	4	B9	PP
QPT2	476 235 700		2	9	150	150	3.3		100	100		B7	PP
QQ03-12	601 235 144		6		300	250	45	7	100	100		B9A	P
QQC03/14	412 657 240		3.1		200	200	30	3.2	100	100	3	B9A	PP
QQC04-15	263 724 540		6	14	200	200	20	2	100	100		B8B	P



VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
QQE02-5	414 226 573		6.3	50	250	250	45	10.5	No Data Available			B9A	PP
QQE03-12	414 226 573		6.3	15	200	200	30	3.3	100	100		B9A	PP
QQE03-20	245 134 200	A1 A2	6	17	400	200	20	2.5	No Data Available			B7A	PP
QQE04-20	245 134 200	A1A2	6	26	400	250	30	3	No Data Available			B7A	PP
QQE06-40	245 134 200	A1A2	6		400	250	30	3.4	No Data Available			B7A	PP
QQU03-25	345 124 300		6.3	50	400	250	40	2.5	No Data Available			B7A	PP
QQV02-6	414 226 573		6.3	2.5	150	150	22	10.5	100	100		B9A	PP
QQV03-10	414 226 573		6	10	200	150	30	3.3	100	100		B9A	PP
QQV03-20	245 134 200	A1A2	6.3	17	300	200	20	2.5	100	100		B7A	PP
QQV03-20A	245 134 200	A1A2	6.3	17	300	200	20	2.5	100	100		B7A	PP
QQV04-15	245 134 200	A1A2	6.3	27	400	250	30	3	100	100		B7A	PP
QQV04-20	241 531 420	A1A2	6	23	400	200	25	4	100	100		B7A	PP
QQV06-40	245 134 200	A1A2	6.3		400	250	30	3.4	100	100		B7A	PP
QQV06-40A	245 134 200	A1A2	6.3		400	250	30	3.4	100	100		B7A	PP
QQV07-40	245 134 200	A1A2	6.3		300	250	25	1.9	100	100		B7A	PP
QQV07-50	345 124 300		6.3		400	250	100	4.5	No Data Available			B7A	PP
QQZ04-15	273 624 540		3	10	300	200	20	2	100	100	2	B8B	PP
QQZ06-40	245 3*4 200	A1 A2	2.1		200	200	30	4.5	100	100		B7A	PP
Q/U37	023 000 000	D1	1.4						D			B3G	D
Q/U452	230 000 000	D1	2						D			B3G	D
QV03-12	601 235 144		6	7.5	250	250	45	7	100	150	7	B9A	P
QV04-7	265 511 413		6	30	300	250	25	1.9	100	100	1.9	B9G	P
QV04-12	601 235 144		6	7.5	250	250	45	7	100	150	7	B9A	P
QV04-15	245 134 200	A1A2	6.3	60	400	250	90		100	100		B7A	PP
QV04-20	241 531 420	A1A2	6	22	400	200	25	4	100	100	4	A08	PP
QV05-25	254 130 000	A1	6	12.5	300	250	83	6.5	100	150	6	UX5	P
QV06-20	125 141 310	A1	6	28	200	200	100	7	100	100		A08	P
QW77	412 361 500		6	2.5	200	200	8	2.5	100	100	2.5	B7G	P
QZ77	412 361 500		6	2	250	250	10	7.6	100	100	5	B7G	P
R1	892 300 000		4				30		REC		15mA	B4	RR
R2	892 300 000		4				60		REC		30mA	B4	RR
R3	892 300 000		4(5)				60		REC		50mA	B4	RR
R4	892 300 000		4				60		REC		40mA	B4	RR
R4A	892 300 000		4				60		REC		40mA	B4	RR
R4B	802 300 000		4				60		REC		40mA	B4	R
R10	112 311 100	D1	4				5		D			B7G	R
R11	002 300 000	D1	4				60		REC		20mA	B4	R
R12	023 000 000	D1	6						D			B3G	D
R13A	028 090 310		13				30		REC		15mA	A08	RR
R14	028 193 210		26				120		REC		60mA	A08	RR
R16	123 000 000		1.4						D			B3G	D
R17	**1 23* ***	D1	6				120		REC		40mA	B9A	R
R18	**1 23* ***	D1	6				120		REC		40mA	B9A	R
R19	230 232 032	D1	1.2						D			B9A	D
R20	23* 232 *32	D1	2						D			B9A	R
R41	892 300 000		4				60		REC		20mA	B4	RR
R42	892 300 000		4				60		REC		20mA	B4	RR

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE	
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V			
R43	892 300 000		4				180			REC		40mA	B4	RR
R52	030 809 020		5				60			REC		20mA	A08	RR
R80	264 300 000		4	24	250		20	4		100		4	UX4	T
R116	026 540 310	G1	10	2.2	200	200	8			100	100		A08	P
R120	026 040 310		6.3		250		60	6.4		100			A08	T
R122N	026 510 310	G1	18		200	200	8	5.5		100	100		A08	P
R123	026 500 310	G1	18		200	200	35	8.5		100	100		A08	P
R125C	026 890 310	G1	18	5.5	250		5	2.5		100		3	A08	DDT
R125N	026 890 310	G1	18		250		5	2.5		100			A08	DDT
R126F	026 510 310	G1	18		200	200	6	1.7		100	100		A08	P
R126N	026 510 310	G1	18		200	200	6	1.7		100	100		A08	P
R128	028 190 310		18							D			A08	DD
R134	026 541 310		18		200	200	18	6		100	100		A08	P
R142	412 360 100		6.3		200	200	10.5	8.5		100	100		B7G	P
R143	412 360 100		6.3		200	200	8	5.5		100	100		B7G	P
R144	412 361 500		6.3	2	250	250	10	7.6		100	100		B7G	P
R145	412 360 100		18		200	200	8	5.5		100	100		B7G	P
R147	412 356 110		18		200	200	18	6		100	100		B8D	P
R148	641 237 410		18		250		10	5.5		100		5.5	B8D	TT
R150	123 141 516		6.3	1.6	150	150	12.5	16		No Data Available			B9A	P
R236	026 510 300	G1	1.2	2	100	100	1	0.5		100	100	0.5	A08	P
R242P	400 123 060		6.3	4.5	150		15	4.3		100		5	B5A	T
R244	402 013 060		6.3		150		13			100			B8D	T
R265	412 360 510		6.3		100	100	7.5	5		100	100	5	B8D	P
R271	412 163 510		6.3	2	150	125	5.2	3.2		100	100		B8D	P
R290	020 080 030		1.2				5			D			A08	D
R2018	642 310 000		20	2.5	200		2.5	3		100		3	B5	T
R5559	6*2 1*1 413		6.3	1.5	150		25	25		No Data Available			B5D	T
RA	892 310 000		13				30			REC		15mA	B5	RR
RA1	364 200 000		15	4.5	90		4.5	1.2		80		1.2	UX4	T
RB350/80	892 300 000		4				30			REC		15mA	B4	RR
RB500/120	892 300 000		4				60			REC		20mA	B4	RR
RB650/250	892 300 000		4				120			REC		30mA	B4	RR
RC5B	023 008 060	G1	12.6		100		24	6		100		6	8SC	DT
RC5C	023 008 060	G1	2.4		100		24	6		100		6	8SC	DT
RE034	642 300 000		4	3	200		2	1.2		100		1	B4	T
RE052	642 300 000		2	3	150		1	1		100		1	B4	T
RE054	642 300 000		4	4	150		4	1.3		100		1.3	B4	T
RE062	642 300 000		2	9	150		4	1		100		1	B4	T
RE074	642 300 000		4	9	150		3.5	0.9		100		0.9	B4	T
RE074D	642 300 000		4	3	150		3.5	0.5		150		0.5	B5	T
RE074N	642 300 000		4	9	150		3.5	0.9		100		0.9	B4	T
RE076	642 300 000		6	9	150		4	1.5		100		1.4	B4	T
RE084	642 300 000		4	4	150		4	1.5		100		1.5	B4	T
RE114	642 300 000		4	15	150		13	1.3		100		1.3	B4	T

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
RE122	264 300 000		2	4.5	150		3	1.3	100		1.3	UX4	T
RE122	642 300 000		2	19	150		7	1.2	100		1.2	B4	T
RE124	642 300 000		4	18	150		11	1.6	100		1.6	B4	T
RE134	642 300 000		4	17	250		12	2	100		2	B4	T
RE144	642 300 000		4	9	150		2	0.7	100		0.7	B4	T
RE304	642 300 000		4	32	250		20	1.9	100		2	B4	T
RE402B	064 234 700		2		150		3		100			B7	TT
RE404	642 300 000		3.5		200			0.6	100		1	B4	T
RE604	642 300 000		4	45	250		40	2.5	100			B4	T
REN704	652 310 000	G1	4		100		2	1.2	100		1.1	B5	P
REN904	642 310 000		4	3.5	200		6	2.4	100		2.4	B5	T
REN914	642 310 000		4	1.5	200		0.2		100			B5	T
REN924	642 310 000	D1	4	3	200		6	2	100		2	B5	DT
REN1004	642 310 000		4		200			1.5	100		1.4	B5	T
REN1104	642 310 000		4	16	200		12	1.3	100		1.3	B5	T
REN1814	642 310 000		20	1.6	200		0.2	1	100		1	B5	T
REN1817D	652 310 000	G1	20		100	100		1.1	100	90	1.1	B5	P
REN1821	642 310 000		20	3	200		6	2.3	100		2.3	B5	T
REN1822	642 310 000		20	18	200		15	1.6	100		1.6	B5	P
REN1826	642 310 000	D1	20	3	200		6	1.8	100		1.8	B5	DT
RENS1204	542 310 000	A1	4	2	200	60	4	1	100	60	1	B5	P
RENS1214	542 310 000	A1	4	2.2	200	100	6	1	100	100		B5	P
RENS1224	164 552 300	G1	4	1.5	200	125	3	0.6	100	100		C7	P
RENS1234	165 452 300	G1	4	2	200	75	3	1.8	100	75	1.8	C7	P
RENS1264	542 310 000	A1	4	2	200	100	3	2	100	100		B5	P
RENS1264B1	542 300 000	A1	4	2	200	100	3	2	100	100		B4	T
RENS1274	542 310 000	A1	4		200	100	3	2	100	100		B5	P
RENS1284	542 310 000	A1	4	2	200	100	3	2.5	100	100		B5	P
RENS1294	542 310 000	A1	4	2	200	100	4.5	2	100	100		B5	P
RENS1374D	642 310 000	G2	4	18	250	250	24	2.5	100	100		B5	P
RENS1384	642 310 000	G1	4	22	250	250	36	2.8	100	150	2.9	B5	P
RENS1818	542 310 000	A1	20	2	200	100	3	2	100	100		B5	P
RENS1819	542 310 000	A1	20		200	60	4	1	100	60		B5	P
RENS1820	542 310 000	A1	20	2	200	60	4	1	100	60	1	B5	P
RENS1823D	642 310 000	G2	20	18	200	200	20	1.7	100	100		B5	P
RENS1884	542 310 000	G2	20	2	200	100	3	2.4	100	100		B5	P
RENS1894	542 310 000	G2	20	2.2	200	100	4	1.8	100	100		B5	P
RES094	542 300 000	A1	4	2	200	75	4	7	100	75		B5	P
RES105	642 300 000	G1	5	15	200	150	12	1.3	150	100	1.3	B4	P
RES164	542 350 000		4	11.5	250	75	12	1.4	100	75		B5	P
RES174D	642 300 000	G2	4	19	250	150	12	1.3	100	100		B4	P
RES212	642 350 000		2	4.4	150	125	6	2.2	150	100	2.2	B5	P
RES364	542 350 000		4	2.5	300	200	20	1.7	100	100		B5	P
RES374	642 350 000		4	42	300	200	20	1.5	No Data Available			B5	P
RES664D	642 350 000		4	40	400	200	30	1.9	100	100	1.9	B5	P
RES964	642 350 000		4	15	250	250	36	2.8	No Data Available			B5	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE	
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V			
RFG5	003 200 000	D1	6							D			F8	R
RFP8/14	041 231 500	A1	4	20	400	250	35	4		100	150	4	B7	P
RFP8/14	542 310 000	A1	4	20	400	250	35	4		100	150	4	B5	P
RG250/1000	002 300 000	D1	4				120			REC		30mA	B4	R
RG250/3000	280 300 000		2.5				120			REC		30mA	UX4	R
RGN354	802 300 000		4				15			D			B4	R
RGN504	892 300 000		4				15			D			B4	RR
RGN564	802 300 000		4				30			REC		15mA	B4	RR
RGN1054	892 300 000		4				30			REC		15mA	B4	RR
RGN1064	892 300 000		4				30			REC		15mA	B4	RR
RGN1074	892 300 000		4				60			REC		20mA	B4	RR
RGN1304	802 300 000		4				60			REC		20mA	B4	R
RGN1404	082 300 000		4				120			REC		20mA	B4	R
RGN1503	892 300 000		2.5				30			REC		15mA	B4	RR
RGN2004	892 300 000		4				60			REC		20mA	B4	RR
RGN2504	892 300 000		4				60			REC		20mA	B4	RR
RGN4004	892 300 000		4				120			REC		20mA	B4	RR
RH	061 231 500	G1	4	1.7	250	100	7.9	7		200	100	7.4	B7	P
RK10	265 300 000		7.5	100	350		50			No Data Available		2.3	UX4	T
RK15	264 300 000		2.5	33	250		22	2.3		100		2.3	UX4	T
RK16	264 130 000		2.5	28	250		26	2.6		100		2.6	B5	T
RK19	200 300 000	D1D2	7.5				120			REC		30mA	UX4	RR
RK21	200 300 000	D1	2.5				120			REC		30mA	UX4	R
RK24	364 200 000		2	13.5	200		8	1.6		100		1.6	UX4	T
RK39	254 130 000	A1	6	14	300	250	83	6.5		100	150		UX5	P
RK60	200 300 000	D1D2	5				120			REC		30mA	UX4	RR
RL2T2	236 400 000		1.9	1.5	100		15	2.4		100		2.4	5AA	T
RL7	265 114 113		6	1.7	250	250	10	7.7		100	150	7	B9G	P
RL12P2	265 114 113		12.6	6	150	150	15	2.3		100	100		B9G	P
RL15A	510 423 206		2.4	20	350	200	57			No Data Available			B9A	P
RL16	241 600 003		6	2.5	250		10	6.5		100		5	B9G	T
RL18	123 000 000		6	3.3	200		7.5	2.9		100		2.9	B3G	T
RL37	244 664 413		6	1.5	250		10	9		100		7	B9G	T
RO337	892 300 000		2.5				30			REC		15mA	B4	RR
RO423	892 300 000		2.5				30			REC		15mA	B4	RR
RO431	892 300 000		4				60			REC		20mA	B4	RR
RO443	892 300 000		4				60			REC		20mA	B4	RR
RO446	892 300 000		4				30			REC		15mA	B4	RR
RO452	892 300 000		4				60			REC		20mA	B4	RR
RO457	892 300 000		4				60			REC		20mA	B4	RR
RO481	802 300 000		4				120			REC		30mA	B4	R
RO534	892 300 000		5				60			REC		20mA	B4	RR
RO771	802 300 000		7.5				120			REC		30mA	B4	R
RRAF	642 300 000		4	2	100		4	1.4		100		2	B4	T
RRBF	642 300 000		4	2.5	100		10	1.2		100		2	B4	T
RS	802 310 000		3				60			REC		20mA	B5	R

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE I60					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
RS242	642 300 000		3.8	5	400		70	3	100		3	B4	T
RS1009	245 134 200	A1A2	6	25	400	250	30	3.4	100	100		B7A	PP
RS1019	245 134 200	A1A2	6	20	400	250	20	2.5	100	100		B7A	PP
RSAF	542 300 000	A1	4	1	150	75	4.5	1.2	100	75	1.2	B4	T
RT1-2	642 300 000		4	2.6	150		26	2.5	100		2.5	B4	T
RT2	642 300 000		4	4	200		18	1.7	150		1.7	B4	T
RT3	642 300 000		4	2.3	300		15	2.8	100		2.8	B4	T
RTR4141	026 510 310	G1	5.2	3	250	100	2.5	1.2	100	100		A08	P
RTR4142	026 510 310	G1	5.2	8	150	125	15	2.7	100	100		A08	P
RTR4341	061 231 500	G1	21	2.2	150	8	8	8	100	125	8	B4	P
RTR4342	005 231 600	G1	21	5.8	150	125	48	9	100	125	8	B7	P
RV12P2000	450 612 310		12.6	2.3	200	75	1.8	1.5	100	60		B7	P
RV120/250	892 300 000		4				60		REC		20mA	B4	RR
RV120/350	892 300 000		4				60		REC		20mA	B4	RR
RV120/350S	023 080 090		4				60		REC		30mA	8SC	RR
RV120/500	892 300 000		4				60		REC		20mA	B4	RR
RV120/500S	023 080 090		4				60		REC		20mA	8SC	RR
RV200/600	892 300 000		4				120		REC		30mA	B4	RR
RV210	042 310 000	A1	4	53	400		70	5.8	No Data Available			B5	T
RX21	200 030 000	D1	2.5				120		REC		30mA	UX5	R
RX215	389 200 000		2.5				5		D			UX4	RR
RZ	023 100 080		20				60		REC		20mA	8SC	R
S2	542 300 000	A1	2	1	150	60	2.3	1.1	125	60	1.1	B4	P
S2P20	601 225 413		5	10	150	150	28	4.4	100	100		B9A	P
S4V	542 310 000	A1	4	1	200	75	1.5	1.1	100	75	1.1	B5	P
S4VA	542 310 000	A1	4	1.5	200	100	2.8	2	100	100	2	B5	P
S4VB	542 310 000	A1	4	1.5	200	125	4.6	2.5	100	100	2.5	B5	P
S6F12	412 361 500		6	2	250	250	10	7.5	100	100		B7G	P
S6F17	412 361 500		6	5	100	100	12.5	4	100	100		B7G	P
S6F33	412 361 500		6.3	3.3	200	200	7.1	4	100	100		B7G	P
S11A	892 300 000		4				30		REC		15mA	B4	RR
S11D	892 300 000		4				60		REC		20mA	B4	RR
S11E12	*26 541 310		6.3	60	400	300	100	6.3	No Data Available			A08	P
S12	542 300 000	A1	2	1	100	30	2.5	0.7	No Data Available			SM4	P
S12	542 300 000	A1	2	1	100	30	2.5	0.7	No Data Available			SM4	P
S19G6	*12 3** *00	D1	4				30		REC		15mA	B7G	R
S19G6F	*12 3** *00	D1	4				30		REC		15mA	B7G	R
S21	542 300 000	A1	2		150	75	3.6	1.1	100	75	1.1	B4	P
S22	542 300 000	A1	2		150	75	4	1.7	125	75	1.7	B4	P
S23	542 300 000	A1	2	1.5	150	75	2.8	1.1	150	75	1.1	B4	P
S24	542 300 000	A1	2	1	150	75	3.2	1.4	150	75	1.4	B4	P
S30C	642 300 000		4	38	300		50	5	100		5	B4	T
S30D	642 300 000		2	38	300		50	5	100		5	B4	T
S207	542 300 000	A1	2	1.5	200	100	3	0.7	100	100	0.7	B4	P
S208	542 3000 000	A1	2		200	100	2	0.8	100	100	0.8	B4	P
S209	023 010 560	G1	2	0.5	150	125	2.4	0.7	125	125	0.7	8SC	P
S210	642 300 000	G2	2	1.5	150	90	3	1.2	100	90	1	B4	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
S213	542 300 000	A1	2	0.5	150	90	3	1.3	100	90	1.3	B4	P
S215	542 300 000	A1	1	1	150	90		0.9	100	90	1.5	B4	P
S215A	542 300 000	A1	2	1	150	60	2	1.1	150	60	1.1	B4	P
S215B	542 300 000	A1	2	1	150	60	1.5	1.2	150	60	1.2	B4	P
S215VM	542 300 000	A1	2	1.4	150	60	1	0.8	150	60	1.4	B4	P
S217	041 230 500	A1	2	0.5	150	150	2.5	1.7	150	150	1.7	B7	P
S217	542 300 000	A1	2	0.5	150	150	2.3	1.7	100	150	1.7	B4	P
S218	041 230 500	A1	2	0.5	150	150	3	1.9	100	150	1.8	B7	P
S220	542 300 000	A1	2		150	75	4	1.1	150	75	1.1	B4	P
S310A	265 113 000	G1	10	3	150	150	5.5	1.9	100	100	1.9	UX6	P
S311A	265 130 000	G1	10	15	150	150	30	2.8	100	100	2.8	UX5	P
S328A	265 113 000	G1	7.5	3	150	150	5.5	1.9	100	100	1.9	UX6	P
S329A	265 130 000	G1	7.5	15	150	150	30	2.8	100	100	2.8	UX5	P
S329L	265 113 000	G1	7.5	50	150	125	30	2.8	No Data Available			UX6	P
S406/7	542 300 000	A1	4	2	200	150	1.5	1	100	100	1	B4	P
S408	542 300 000	A1	4	1.5	200	75	4	0.7	100	75		B4	P
S409	542 300 000	A1	4	1.5	200	75	4	8.8	100	75		B4	P
S410	542 300 000	A1	4	1.5	200	75	4	1	100	75		B4	P
S410N	542 310 000	A1	4	2	200	60	4	1	100	60	1	B5	P
S412N	542 310 000	A1	4	1.3	200	100	1.5	1	100	100	1	B5	P
S415N	542 310 000	A1	4	2	200	100	6	1	100	100	1	B5	P
S420	061 231 500	G1	4	3	250	250	11.5		100	200		B7	P
S423	023 110 560	G1	4	3	250	100	8	1.8	250	100	1.9	8SC	P
S424	023 110 560	G1	4	2	250	100	3	2.1	250	100	2.1	8SC	P
S430N	542 310 000	A1	4	1.3	200	100	1.5	0.9	100	100	3	B5	P
S431N	542 310 000	A1	4	1.5	250	100	3	2	100	100		B5	P
S432N	023 110 560	G1	4	3	250	100	2.5	2.2	100	100		8SC	P
S434N	542 310 000	A1	4	2	200	100	4.5	2.3	100	100	2.3	B5	P
S434N	041 231 500	A1	4	1.5	200	100	4.5	2	100	100	2	B7	P
S435N	041 231 500	A1	4	2	200	100	3	2.3	200	100	2.3	B7	P
S435N	542 310 000	A1	4	2	200	100	3	2.3	100	100	2.3	B5	P
S440	061 231 500	G1	4	2.4	250	250	4.1	3.5	100	200	3.4	B7	P
S493	542 310 000	A1	4	2	200	100	4		100	100		B5	P
S495	542 310 000	A1	4	2	200	100	6	2.5	100	100	2.5	B4	P
S617	023 110 560	G1	6.3	3	250	100	2.5	2.2	100	100		8SC	P
S620	023 110 560	G1	6.3	2.5	250	100	3.5	2	100	100		8SC	P
S629	023 110 560	G1	6.3	2.5	250	100	3.5	2	100	100		8SC	P
S1323	061 231 500	G1	13	3	200	100	8	1.9	100	100	1.9	B7	P
S1323	023 110 560	G1	13	3	200	100	8	1.9	100	100	1.9	8SC	P
S1324	061 231 500	G1	13	2	200	100	3	2.4	100	100	2.3	B7	P
S1327	023 110 560	G1	13	2.5	250	100	3.5	2	100	100		8SC	P
S1328	023 110 560	G1	13	2	200	100	3	2.4	100	100	2.3	8SC	P
S2010N	542 310 000	A1	20	2	200	60	4	1	100	60	1	B5	P
S2012N	542 310 000	A1	20	2	200	60	4	1	150	60	1	B5	P
S2018	041 231 500	A1	20	3	200	60	4	1.2	100	60	1.2	B7	P
S2018	542 310 000	A1	20	3	200	60	4	1.2	100	60	1.2	B5	P
S2030N	542 310 000	A1	20	2	200	100	3	2	150	100	2	B5	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
S2035N	542 310 000	A1	20	2.5	250	100	3.5	2	100	100		B5	P
S2043	542 310 000	A1	20	2.5	250	100	5	2	100	100		B5	P
S4020A	254 300 000		2	1	150		1.3	0.6	100		0.6	UX4	T
S4020B	642 300 000		2	1	150		1.3	0.6	100		0.6	UX4	T
S4021A	264 300 000		4	8	150		20	3	100		3	UX4	T
S4021B	642 300 000		4	8	150		20	3	100		3	B4	T
S4022AR	236 400 000		4	4.5	150		5	2.2	100		2.2	UX4	T
S4022B	642 300 000		4	4.5	150		5	2.2	100		2.2	B4	T
S4045A	642 350 000		5	70	250	75	45	1.5	100	60	1.5	B5	P
SD	892 310 000		5						D			B5	DD
SD2	642 300 000		2	1.5	150		2.2	1.4	150		1.4	B4	T
SD6	*82 310 *00		6				5		D		6mA	B7G	R
SD61	123 000 000	D1	6						D			B3G	D
SD917A	402 013 060		6.3	3.6	100		1.4	2.7	100		2.7	B8A	T
SE211	542 300 000	A1	2	1	150	75	1	1.5	150	75	1.5	B4	P
SE211C	542 300 000	A1	2	1	150	75	1	1.5	150	75	1.5	B4	P
SE2018	542 310 000	A1	20	3	200	60	4	1.2	100	60	1.2	B5	P
SE2118	542 310 000	A1	20	24	200	100	3	3	100	60	3	B5	P
SG2	542 300 000	A1	2		150	75	2.5	1	100	75	1	B4	P
SG215	542 300 000	A1	2	1.5	150	75	2.7	1	100	60	1	B4	P
SG215VM	542 300 000		2		150	75		1.5	125	80	1.4	B4	P
SG220SW	652 300 000	G1	2	1.5	150	75	2.4	1.5	150	75	1.5	B4	P
SG2150	542 300 000	A1	2	1.5	150	75	1.5	1.1	125	60	1.1	B4	P
SGA1	542 310 000	A1	4		200	100	6	3	100	100	3	B5	P
SN954	082 813 080		6.3				30		REC		15mA	B8A	R
SN956B	023 990 000		1.2						D			B3G	D
SN1039A	412 365 100		6.3	1.4	100	100	7	5.1	100	100	5	B7G	P
S01	264 300 000		15	40.5	200		21	1.5	100		1.5	UX4	T
S02	264 300 000		7.4	88	400		55	2.1	100		2.1	UX4	T
SP2	041 230 500	A1	2		150	150	3	1.8	150	150	1.8	B7	P
SP2B	061 230 500	G1	2	1	150	150	2.6	0.8	150	150	0.8	B7	P
SP2BS	032 004 560		2	0.5	150	150	2.6	0.8	150	150	0.8	8SC	P
SP2D	061 230 500	G1	2	1	150	150	1.4	1.7	150	150	1.7	B7	P
SP2D	542 300 000	A1	2	1	150	125	1.5	1.7	125	100	1.7	B4	P
SP2V	041 230 500	A1	2		150	75	2.9	1.1	100	75	1	B7	P
SP4 (TUNG)	061 231 500	G1	4	2	200	100	3	2.3	100	100	2.3	B7	P
SP4 (MUL)	041 231 500	A1	4	2	200	100	3	2.3	100	100	2	B7	P
SP4	542 310 000	A1	4	2	200	100	3	2.3	100	100	2.3	B5	P
SP4A	041 231 500	A1	4	2	250	100	3	2.4	100	100	2.4	B7	P
SP4B	061 231 500	G1	4	2.4	250	250	4	3.4	100	100	3.4	B7	P
SP4C	023 110 560	G1	4	2.4	250	250	4	3.4	100	100	3.4	8SC	P
SP4S	023 110 560	G1	4	2	250	100	3	2.5	100	150	2.5	8SC	P
ξ SP6	412 361 500		6	2	250	250	10	7.5	100	PenLF	5	B7G	P
				1.5	200	150	4	6.4	100	PenLF	5		
SP6S	023 110 560	G1	6	2	250	100	3	2	100	100	2	8SC	P
SP13	061 231 500	A1	13	2	200	100	3.3	2.2	100	100	2.2	B7	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
SP13	023 110 560	G1	13	2	200	100	3.3	2.2	100	100	2.2	8SC	P
SP13C	061 231 500	G1	13	2.2	200	200	2.5	2.8	100	150	2.8	B7	P
SP13S	023 110 560	G1	13	2	150	100	3	2.4	100	100	2.4	8SC	P
SP20	542 310 000	A1	20		200	100	4.5	3.5	100	100	3.5	B5	P
SP22	206 510 030	G1	2	1	150	125	1.1	1.2	125	100	1.2	M08	P
SP35	023 110 560	G1	35	8	200	200	41	7	100	150	7	8SC	P
SP41	216 510 030	G1	4	1.5	200	200	10.9	8.5	100	150	8	M08	P
SP42	216 510 030	G1	4	1.3	200	125	20	8.4	100	100	8	M08	P
SP61	216 510 030	G1	6	1.5	200	200	10.9	8.5	100	150	8	M08	P
SP62	216 510 030	G1	6	1.3	200	100	16	9	200	100	8	M08	P
SP65	023 110 560	G1	6	2	250	100	3	2.1	100	100	2.1	8SC	P
SP141	206 500 030	G1	1.4	1	90	90	1.3	0.8	80	90	0.8	M07	P
SP181	216 510 030	G1	18	1.5	200	200	10.9	8.5	100	150	8	M08	P
SP210	041 230 500	A1	2	1	125	125	1.1	1.2	125	100	1.2	B7	P
SP215	041 230 500	A1	2	1.5	150	80	2.1	1.6	100	75	1.6	B7	P
SP220	642 300 000		2	12	150		14	3	100		3	B4	T
SP514	402 106 053		6.3	1.7	150	150	12.3	13.5	No Data Available			B9A	P
SP1320	041 231 500	A1	13	1.5	150	100	4.4	2	100	100	2	B7	P
SP2220	041 231 500	A1	22	3	250	200	4.9	2.7	100	150	2.6	B7	P
SPTA	061 231 400	G1	13	2.5	250	100	2.2	1.4	100	100		B7	T
SPT2	041 230 500	A1	2	1	125	125	2.8	1.5	125	100	1.5	B7	P
SPT4A	041 231 500	A1	4	1.5	250	100	2	2.3	200	100	2.3	B7	P
SPTA	041 231 500		13	2.5	200	100	2.2	1.4	100	100		B7	P
SPTS	041 231 500	A1	13	1.5	250	100	2	3	100	100	3	B7	P
SR2	642 300 000		2	16	200		10	3	100		3	B4	T
SR4	642 310 000		4	20	250		20	4	100		4	B5	T
SRS4451	245 134 200	A1A2	6	25	400	250	30	3.4	No Data Available			B7A	PP
SS210	542 300 000	A1	2	1	150	75	0.6	1.4	150	75	1.4	B4	P
SS210C	542 300 000	A1	2	1	150	175	0.6	1.4	150	75	1.4	B4	P
SS210D	642 300 000		2	4.5	150		2	1.6	100		1.6	B4	T
SS210DDT	682 390 000	G1	2	5.5	150		2.4	1.4	100		1.4	B5	DDT
SS210HF	642 300 000		2	4	150		1	0.8	100		0.8	B4	T
SS210HL	642 300 000		2	1.5	150		21.4	12.5			1.4	B4	T
SS220P	642 300 000		2	12	150		6	1.5	100		1.5	B4	T
SS220FA	642 300 000		2	6	150		8	3.5	100		3.5	B4	T
SS220SP	642 300 000		2	12	150		14	3.5	100		3.5	B4	T
SS240SP	642 300 000		2	12	150		15	3.5	100		3.5	B4	T
SS2018	542 310 000	A1	20	3	200	100	3	3	100	90	3	B5	P
ST507	602 441 443		6.3	1.2	150		23	25	No Data Available			B9A	T
SU25	*2* 0** 3*0	D1	2						D			A08	D
SU42	030 000 020	D1	4						D			A08	R
SU45	112 311 100	D1	4				30		REC		15mA	B7G	R
SU61	023 000 000	D1	6						D			B3G	D
SU2130	002 300 000	D1	2				2		D			B4	R
SU2150	002 300 000	D1	2(2.5)				2		D			B4	R
SU2150A	002 300 000	D1	2(2.5)				5		D		2mA	B4	RR



VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE	
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V			
SU3130	002 300 000	D1	2							D		B4	D	
SW1	802 300 000		4				30			REC	15mA	B4	R	
SWG2	652 300 000	G1	2		150	75		1.5		100	75	1.5	B4	P
T2	642 300 000		2	1	100			1		100		1	B4	T
T2M05	672 344 100		6	{ 0. 3	100 150		8.5 5	5.3 4.5		100 100		5.3 5.3	B7G	TT
T4D	123 000 000	D1	4							D		B3G	D	
T5D	123 000 000	D1	6							D		B3G	D	
T6D	213 000 000	D1	6.3				5			D		B3G	R	
T13U	023 100 060	G1	13	4	200		5.9	2.6		100		2.6	8SC	T
T41	216 040 030		4		100		30	2kΩ		No Data Available		MO8	THY	
T113	642 300 000	G2	3	3	12	12	0.2	0.2		No Data Available		B4	P	
T116	642 300 000	G2	1.2	3	12	12	0.2	0.2		No Data Available		B4	P	
T134	542 300 000	A1	4	1	150	75	5	1.3		100	75	B4	P	
T136	642 300 000		4	8	200		6	1.6		100		1.6	B4	T
T151	642 300 000	G2	4	15	200	150	12	1.8		100	100	B4	P	
T204	023 004 060		2	1	150		1.8	0.6		125		0.6	8SC	T
T223	023 004 060		2	2	125		3	2.5		100		2.5	8SC	T
T435	023 100 060	G1	4	5	250		6	2.5		100		2.4	8SC	T
T460	023 004 060		4	45	250		60	6		100		6	8SC	T
T635	023 100 060	G1	6.3	16	250		20	2.2		100		3	8SC	T
T1335	023 100 060	G1	13	4.5	225		6	2.5		100		2.4	8SC	T
TB13	802 310 000		13							D		B5	D	
TB032	642 300 000		2	30	150		12	1.5		100		1.5	B4	T
TB052	642 300 000		2	15	150		7	1.2		100		1.2	B4	T
TB062	642 300 000		2	10.5	150		13	2		100		2	B4	T
TB102	642 300 000		2	4	150		5	1.3		100		1.2	B4	T
TB122	642 300 000		2	4.5	150		6	3.5		100		3.5	B4	T
TB172	642 300 000		2	4.5	150		4	1.4		100		1.4	B4	T
TB282	642 300 000		2	1.5	150		2	1.3		125		1.3	B4	T
TB402	446 230 700		4		150		6			150			B7	TT
TB452	542 300 000	A1	2		150	75	2	1.5		150	75	1.5	B4	P
TB552	542 300 000	A1	2		150	75	4	1.5		150	75	1.5	B4	P
TB622	542 300 000	A1	2		150	90	2	1.4		100	90	1.4	B4	P
TB9920	642 310 000		20	1.5	200		0.2	4		150		4	B5	T
TBC14	809 231 600	G1	4	7	250		4	2		100		2	B7	DDT
TBC113	809 231 600	G1	13	5	200		4	3.6		100		3.6	B7	DDT
TC05-25	642 300 000		4		400		65	2.2		No Data Available			B4	T
TC432	642 350 000		2	4.5	150	150	9.5	2.5		100	100	2.5	B5	P
TC432	642 300 000	G2	2	4.5	150	150	9.5	2.5		100	100	2.5	B4	P
TDO5-12	*21 010 310	A1G1	6		150		10	4		100			AO8	T
TDO44	642 300 000		4	40	250		40	3		100		3	B4	T
TD2	642 300 000		2	7	150		4	0.9		100		0.9	B4	T
TDD1C	023 189 060		13	5	200		4	2		100		2	B7	DDT
TDD2	682 390 000	G1	2	5.5	150		2.5	1.4		100		1.4	B5	DDT
TDD2A	682 390 000	G1	2	1.5	150		2	1.2		125		1.2	B5	DDT

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
TDD4	908 231 600	G1	4	7	250		4	2	100		2	B7	DDT
TDD13	023 189 060	G1	13	1	100			2.9	100		2.9	8SC	DDT
TDD13C	809 231 600	G1	13	5	200		4	2	100		2	B7	DDT
TDD25	809 231 600	G1	25	1	100		4	2	100		2	B7	DDT
TE2	028 090 310		26				30		REC		15mA	A08	RR
TE3	028 090 310		12				30		REC		15mA	A08	RR
TE5	028 090 310		6.3				30		REC		15mA	A08	RR
TE094	642 310 000		4	16	200		12	1.3	100		1.3	B5	T
TE104	642 300 000		4	26	400		61	4	100		4	B4	T
TE244	642 310 000		4	3.5	200		6	2.4	150		2.4	B5	T
TE384	642 310 000		4	2	200		3	1.5	150		1.5	B5	T
TE424	542 310 000	A1	4		200	100	3	2	100	100	2	B5	P
TE434	642 350 000		4	14	250	250	36		100	150		B5	P
TE464	041 231 500	A1	4		200	100	3	2.5	100	100	2.5	B7	P
TE474	041 231 500	A1	4	1.5	200	100	4.5	2	100	100	2	B7	P
TE534	642 310 000	G2	4	15	250	250	24		100	150		B5	P
TE564	041 231 500	A1	4	1.5	200	100	4.5	2.2	100	100	3.2	B7	P
TE634	045 231 600		4	22	250	250	36		100	100		B7	P
TE994	642 310 000		4	1.6	250		4	4	200		4	B5	T
TF64	061 231 500	G1	4	2.7	250	250	11	2	200	150	2	B7	P
TF104	642 300 000		4	36	400		61	4	100		4	B4	T
TH1	276 454 300		6.3		100		4		100	60		B8B	TH
TH2	645 230 700	G1	2	{ 1.5	150		0.95	1.2	100	60	1.2	}B7	TH
				{ 1.5	250	75	4		125	60	0.7		
TH4	645 231 700	G1	4	{ 2	150		6	1.2	150	60	1.2	}B7	TH
				{ 2	200	100	3.5		200	75	3.0		
TH4A	645 231 700	G1	4	{ 4.6	100		5	2.0	125	60	6	}B7	TH
				{ 2	250	100	3.5		200	100	3.0		
TH4B	645 231 700	G1	4	{ 3	100		9	3.8	100	60	5.5	}B7	TH
				{ 2.5	250	100	3.25		200	100	3.5		
TH13C	645 231 700	G1	13	{ 2	150		6	1.2	100	60	1.2	}B7	TH
				{ 1.5	250	75	4.0	1.8	200	75	3.6		
TH21C	645 231 700	G1	21	{ 2	150		6	1.2	100	60	1.2	}B7	TH
				{ 1.5	250	75	4	1.8	200	75	3.0		
TH22C	645 231 700	G1	29	{	150		5	6	100	60	5	}B7	TH
				{ 2	250	100	3.5		200	75	3.0		
TH29	645 231 700	G1	29	{ 2	100		12.0	4.5	100	60	5	}B7	TH
				{ 2	250	100	3.5		200	75	3.0		
TH30	645 231 700	G1	30	{	100		9.5	5.5	100	60	5.5	}B7	TH
				{ 2	150				100	60			
TH30C	645 231 700	G1	29	{ 2.5	250	100	3.5		100	100		}B7	TH
				{ 2.5	250	100	3.25		100	100			
TH31	217 640 530	G1	4	{ 3	100		10.2	4	100	60	5.3	}M08	TH
				{ 3	250	100	3	3	100	90	3		
TH41	217 640 530	G1	4	{ 3	100		10.2	4	100	60	5.3	}M08	TH
				{ 3	250	100	3	3.1	100	100	3.1		
TH62	027 546 310	G1	6	{ 2	100		4.4	2.4	100	60	2.2	}A08	TH
				{ 2	250	100	3		200	100	1.2		

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
TH232	645 231 700		23	{ 3 2	75		4.5		100	60	} B7	TH	
TH233	217 640 530	G1	23		150	100	3	2.1	100	100		4	M08
TH401	174 652 300	G1	4	{ 2 2	150		11	2	100	60	} C7	TH	
					75	75	2.5		80	75			
TH2320	645 231 700	G1	23	{ 3 2	100		4.5	5.3	100	60	} B7	TH	
TH2321	645 231 700	G1	23		150	100	3		100	100		3.8	
					100		4	5.2	100	60	} B7	TH	
					150	100	2.6	3	100	100		3	
TH2620	645 231 700	G1	26	{ 1 1	100			5.3	100	60	} B7	TH	
						250	100		3.9	250		100	3.8
φTM05	672 344 100		6	{ 0.8 3	100		8.5	5.3	100		} B7G	TT	
TM12	412 344 600		6.3		150		5	4.5	100			5.3	
TP4	571 231 640	G1	4	{ 3 5	150		1.5	1.4	100	60	} B9	TP	
TP22	571 230 640	G1	2		250	200	5.5	1.6	200	150		1.5	
				{ 1 1	100		0.8	1.2	100	60	} B9	TP	
					150	60	1.2	1	150	60		1.3	
TP23	645 230 700	G1	2	{ 1 1.5	100		4.5	2.1	100	60	} B7	TP	
TP25	207 640 530	G1	2		150	60	1	1	125	60		1.2	
				{ 1 1.5	100		3.7	1.5	100	60	} M08	TP	
TP26	207 640 530	G1	2		150	60	1	1	125	60		1	
				{ 1 1	150	75	2.2	1.5	125	60	} M08	TP	
TP230	561 230 740	G1	2		150	75	1.5	1.5	125	75		1.5	
TP443	642 350 000		4	{ 22	250	250	36	5	100	150	} B5	P	
TP1340	571 231 640	G1	13	{ 6 2.5	200		2	1.4	150	60	} B9	TP	
TP2620	571 231 640	G1	26		250	250	6.5	2.1	100	100			
				{ 4 4	250	200	1.5	1.4	100	60	} B9	TP	
TS49	261 504 130		20		250	150	6.5	3.4	100	150		3.4	
TS51	412 365 100		6	4.5	250	150	15	6	100	100	5.2	B8B	P
φTS52	672 344 100		6	{ 0.8 3	100		8.5	5.3	100		} B7G	TT	
					150		5	4.5	100			5.3	
TS53	541 236 **1		18	1.8	200	100	15	10	100	100	8	B9A	P
TS54	541 236 **1		6.3	1.7	200	125	10	9	100	100	8	B9A	P
TSE4	061 231 500	G1	4	2.5	250	150	8	14.5	100	100		B7	P
TSP4	061 231 500	G1	4	2.5	200	200	8	4.7	100	150	4.7	B7	P
TT2	222 833 390		4.4						D			A08	DD
TT4	642 310 000		4	16	250		20	3.2	100		3.2	B5	T
TT4A	642 310 000		4	9	250		20	4.1	100		4.1	B5	T
TT11	020 450 310	A1	6	11	250	150	30	3.5	100	100	3.5	A08	P
TT12	204 531 102	A1	19	13	250	250	72	6	100	100	6	B9G	P
TT14	204 051 103	A1	6	13	250	250	72	6	100	100	6	B9G	P
TT15	241 657 143		6	14	250	150	30	3.9	100	100	3.9	B9G	PP
TT19	241 657 143		19	16.5	250	150	30	3.9	100	100	3.9	B9G	PP

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE	
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V			
TT20	245 134 200	A1A2	6	17	400	200	20	2.5	100	100		B7A	PP	
TT21	020 540 310	A1	6.3	30	300	300	80	7	No Data Available			A08	P	
TT22	020 540 310	A1	12.6	30	300	300	80	7	No Data Available			A08	P	
TT23	414 226 573		6.3		150	150	25	10.5	100	100		B9A	PP	
TT24	414 226 573		6.3		250	200	30	3.3	100	100		B9A	PP	
TT25	245 617 342	A1A2	6.3		400	250	30	3.4	No Data Available			B7A	PP	
TT210	023 074 460		2		150		1.5		80			8SC	TT	
TV03-10	442 310 000	A1A2	6	17	300		17	3.2	100		3	B5	TT	
TW1	802 310 000		20				60		REC		20mA	B5	R	
TW2	892 310 000		30				60		REC		20mA	B5	RR	
TX4	645 231 700	G1	4	{	5	150		9	1.5	150	60		B7	TH
					1.5	300	90	5.5		200	90			
TX21	645 231 700	G1	21	{	2	150		15	2.5	100	60	1.5	B7	TH
					1.5	250	90	5.5		200	75	3		
TX41	645 231 700	G1	4	{	3	100		9	3.8	100	60	5	B7	TH
					2.5	250	100	3.2		250	100			
TY86F	23* 232 *32	D1	7.5							D			B9A	R
TZ40	204 300 000	A1	7.5	1	100			0.4	100		0.4		UX4	T
U4C	642 300 000		4	12	200		35	3.2	100		3.2	B4	T	
U4E	642 300 000		4	40	400		45	4	No Data Available			B4	T	
U4F	642 300 000		4	40	400		45	4	No Data Available			B4	T	
U5	892 300 000		5				15		REC		15mA	B4	RR	
U8	892 300 000		7.5				60		REC		20mA	B4	RR	
U9	892 300 000		4				30		REC		15mA	B4	RR	
U10	892 300 000		4				30		REC		15mA	B4	RR	
U12	892 300 000		4(5)				60		REC		20mA	B4	RR	
U12/14	892 300 000		4(5)				60		REC		30mA	B4	RR	
U14	892 300 000		4				60		REC		20mA	B4	RR	
U15	802 300 000		6				120		REC		30mA	B4	R	
U16	002 300 000	D1	2				5		REC		5mA	B4	R	
U17	002 300 000	D1	5				30		REC		15mA	B4	R	
U18	892 300 000		4(5)				120		REC		30mA	B4	RR	
U18/20	892 300 000		4(5)				120		REC		30mA	B4	RR	
U19	002 300 000	D1	4(5)				120		REC		40mA	B4	R	
U19/23	002 300 000	D1	4				120		REC		30mA	B4	R	
U20	892 300 000		4(5)				60		REC		20mA	B4	RR	
U21	002 300 000	D1	2				5		REC		5mA	B4	R	
U22	200 000 030	D1	2(3)				5		D			M08	R	
U22FH	200 000 030	D1	2						D			M08	D	
U23	002 300 000	D1	4(5)				120		REC		30mA	B4	R	
U24	030 000 200	D1	2				1		REC		2mA	A08	R	
U25	023 000 000	D1	2						D			B3G	D	
U26	391 221 800		13				60		REC		20mA	B7	RR	
U26	231 232 132	D1	2						D			B9A	D	
U27	002 300 000	D1	4				30		REC		15mA	B4	R	
U29	002 300 000	D1	2				15		REC		30mA	B5	R	
U30	391 221 800		13				60		REC		30mA	B7	RR	
U30/250	802 300 000		4				30		REC		15mA	B4	R	

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
U281	020 080 310		28				120			REC	80mA	A08	R
U282	001 000 230	D1	28				120			REC	36mA	A08	R
U291	028 08* 310		29				180			REC	40mA	A08	R
U301	0** 080 230	C	30				120			REC	35	A08	R
U309	**1 23* **8		20				120			REC	70mA	B9A	R
U319	**1 23* **8		20				120			REC	70mA	B9A	R
U329	*** 23* **8	C	25				120			REC	60mA	B9A	R
U339	0** 080 230		19				120			REC	35mA	A08	R
U381	**1 23* **8		38				120			REC	30mA	B9A	R
U403	201 080 030		40				120			REC	70mA	M08	R
U404	280 *** 130		40				60			REC	60mA	B8A	R
U415	642 300 000		4	10.5	150		5	1.4	100		1.4	B4	T
U418	642 300 000		4	13	150		10	1.6	100		1.6	B4	T
U650	802 300 000		6				30			REC	15mA	B4	R
U709	8*1 23* 9**		6				60			REC	20mA	B9A	RR
U718	29* **8 130		6.3				60			REC	25mA	B8A	RR
U801	128 899 310		80				120			REC	30mA	A08	RR
U2140P	391 221 800		13				60			REC	20mA	B7	RR
U4020	802 310 000		40				120			REC	70mA	B5	R
UA55	625 414 537		55	6	90	90	36	7	80	90		B9A	PP
UAA11	023 189 100		22				5		D			8SC	DD
UAA91	182 310 900		19				5		D			B7G	RR
UAA171	120 813 090		25				5		D			B8B	DD
UABC80	†81 239 146		28	1	100		0.8	1.4	100		1.4	B9A	DDDT
UAF21	265 814 130		20	2	250	100	6	2.8	100	100		B8A	DP
UAF41	268 154 130		13	2	200	90	5	2	100	100	1.9	B8A	DP
UAF42	268 154 130		13	2	200	90	5	2	100	100	1.9	B8A	DP
UB41	201 908 130		19				5		D		6mA	B8A	RR
UB91	182 310 900		19						D			B7G	DD
UBC1	206 081 930	G1	13	1.7	200		3	2	150		2	A08	DDT
UBC41	264 098 130		14	1.6	200		1.5	1.6	150		1.6	B8A	DDT
UBC81	641 238 09*		14	1.5	200		1.5	1.6	100		1.4	B9A	DDT
UBF2	206 581 930	G1	12.5	2	250	100	5	1.8	100	150	1.8	A08	DDP
UBF11	892 361 450		20	2	200	75	5	1.8	200	75	1.8	F8	DDP
UBF15	892 361 450		27	2	250	100	12	5	200	100	5	F8	DDP
UBF80	541 236 891		17	2	200	125	5	2.2	100	100	2	B9A	DDP
UBF89	541 236 891		19	2	200	100	9	3.8	100	100	3.5	B9A	DDP
UBF171	892 541 360		20	3.2	250	75	6	1.8	100	75		B8B	DDP
UBL1	206 581 930	G1	55	11.5	200	200	55	8.5	100	100	8	A08	DDP
UBL21	264 598 130		55	13	200	200	55	8	100	100	7	B8B	DDP
UBL3	023 189 560	G1	55	6	100	100	29	7.5	100	90	7	8SC	DDP
UBL71	264 589 130		55	5.2	250	250	44	9.5	100	100	0.7	B8B	DDP
UC88	414 234 464		12		150		12.5	14	No Data Available			B9A	T
UC92	602 304 100		9.5	1	200		11.5	6.4	200		6.4	B7G	T
UC95	142 360 100		10.8	1.2	200		10	10.5	No Data Available			B7G	T
UC96	412 314 600		9.3	1	200		11.5	6.7	100		6	B7G	T

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
U31	020 080 310		26				120		REC		50mA	A08	R
U33	002 300 000	D1	2				3		D			B4	R
U35	020 000 030	D1	1.4				2		D			A08	R
U37	023 000 000	D1	1.4				0.5		D			B2G	D
U41	*2* 0*0 3*0	D1	1.2				1		D			A08	D
U43	023 000 000	D1	6				0.5		D			B2G	D
U45	230 000 000	D1	6						D			B3G	R
U47	230 000 000	D1	2						D			B3G	R
U49	230 232 032	D1	2						D			B9A	D
U50	020 908 030		5(5.7)				60		REC		30mA	A08	RR
U51	030 908 020		5				120		REC		30mA	A08	RR
U52	030 908 020		5(5.7)				120		REC		30mA	A08	RR
U52IT	008 090 230		5(5.7)				120		REC		30mA	A08	RR
U54	030 908 020		5(5.7)				120		REC		30mA	A08	RR
U60	*2* **3 3*0	D1	6.3						D			A08	D
U60/500	892 300 000		4				60		REC		20mA	B4	R
U65/550	802 300 000		7.5				60		REC		20mA	B4	R
U70	028 090 310		6				30		REC		30mA	A08	RR
U71	020 080 310		30				60		REC		50mA	A08	R
U74	020 080 310		30				120		REC		30mA	A08	R
U76	020 080 310		30				120		REC		60mA	A08	R
U77	*20 809 020		5				180		REC		40mA	A08	RR
U78	802 309 100		6				30		REC		30mA	B7G	RR
U81	009 008 230		6				60		REC		20mA	B8B	RR
U82	209 008 130		6				30		REC		30mA	B8B	RR
U84	009 **8 230		4				30		REC		15mA	B8B	RR
U101	280 008 130		50				120		REC		30mA	B8B	R
U107	281 008 300		40				60		REC		20mA	B7G	R
U118	280 *** 130		40				60		REC		25mA	B8A	R
U119	**1 23* **8		38				120		REC		30mA	B9A	R
U120/500	892 300 000		2				120		REC		30mA	B4	R
U134	028 190 310		13				60		REC		20mA	A08	RR
U142	280 000 130		31				60		REC		20mA	B8A	R
U143	020 908 030		4				30		REC		15mA	A08	RR
U145	280 000 130		40				60		REC		60mA	B8A	R
U147	028 090 310		6				30		REC		30mA	A08	RR
U149	209 008 130		6				30		REC		15mA	B8B	RR
U150	280 009 130		6				30		REC		40mA	B8A	RR
U151	023 000 000	D1	6						D			B3G	D
U152	001 230 008		19				120		REC		70mA	B9A	R
U153	*** 23* **8	C	17				120		REC		60mA	B9A	R
U154	**1 23* **8		19				120		REC		70mA	B9A	RR
U191	0** 080 230	C1	19				120		REC			A08	R
U192	**1 23* **8		19				120		REC		30mA	B9A	R
U193	*** 23* **8	C1	19				120		REC		40mA	B9A	R
U201	020 080 310		20				60		REC		60mA	A08	R
U251	*** 23* **8	C	25				120		REC		30mA	B9A	R

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
UCC84	147 234 116		21	1.5	90		12	6	100	6	B9A	TT	
UCC85	641 237 410		26	2.1	200		10	5.8	100	5	B9A	TT	
UCC88	641 237 410		21	1.2	90		15	12.5	No Data Available		B9A	TT	
UCC89	146 234 117		21.6	1.2	90		15	12	80		B9A	TT	
UCC189	641 237 410		21	1.2	90		15	12.5	No Data Available		B9A	TT	
UCF12	642 371 450		20	{ 1	100			3	100	60	3	{ F8	TP
UCF80	645 237 114		27	{ 2	100		14	5	100	60	5	{ B9A	TP
				{ 2	200	175	10	6.2	100	150	6		
UCH4	217 544 630	G1	20	{ 2	100		6	3	80	60	3.2	{ A08	TH
				{ 2	200	100	5.2	2.2	100	100	2.2		
UCH5	123 644 570	G1	20	{ 2	100		6.3	2.7	100	60	2.2	{ 8SC	TH
				{ 2	250	100	6.5	2.6	100	150	2.6		
UCH11	642 371 450		20	{ 2	100		5	2.4	100	60	1.8	{ F8	TH
				{ 2	250	100	4.7	2.5	200	100	2.5		
UCH21	276 454 131		20	{ 2	100		6.4	2.2	100	60	3.2	{ B8B	TH
				{ 2	200	90	5.2	2.2	100	90	2.2		
UCH41	276 454 130		14	{ 2	100		6.4	2.2	100	60	2.8	{ B8A	TH
				{ 2	200	90	2.7	1.5	100	75	1.5		
UCH42	276 454 130		14	{ 2	100		5	2	100	60	2	{ B8A	TH
				{ 2	200	75	8	2.2	100	75	2		
UCH43	276 454 130		14	{ 2	100		5	2	100	60	2	{ B8A	TH
				{ 2	200	75	8	2.2	100	75	2		
UCH71	276 454 131		20	{ 2	100		16.4	2.2	100	60	3.2	{ B8B	TH
				{ 2	200	90	5.2	2.2	100	90	2.2		
UCH80	541 23* 764		14.5	{ 2	75		5.1		75	60		{ B9A	TP
					250	85	3		100	80			
UCH81	541 237 164		19	{ 3	100		5	2.3	100	60	3.7	{ B9A	TH
				{ 2.6	200	125	7.6	2.4	100	100	2.4		
UCH717	642 544 370		20	{ 200			3		100	60		{ B8B	TH
				{ 2.5	200	100	2	0.7	100	100			
UCL11	452 371 460		60	{ 2	200		2	2.1	150	60	2	{ F8	TP
				{ 8.5	200	200	45	9	100	100	7		
UCL81	451 237 614		39	{ 1.9	150		1.3	1.6	100	60	1.2	{ B9A	TP
				{ 7	200	200	30	8.7	100	100			
UCL82	414 237 516		50	{ 1	200		3.7	2.5	100	60	2.5	{ B9A	TP
				{ 16	200	200	35	6.4	100	100	6.8		
UCL83	641 237 154		40	{ 1.5	200		2.4	2.5	150	60	2	{ B9A	TP
				{ 9.5	200	175	30	5.5	100	100	5		
UCL84	461 237 145		45	{ 1.7	200		3	4	100	60	4	{ B9A	TP
				{ 2.1	200	175	18		100	100			
UCL86	415 237 146		44	{ 1.7	250		1.2	1.6	100	60	1.6	{ B9A	TP
				{ 7	250	250	36	10	100	100			
UD2	642 300 000		2	12	150		14	2.5	100		2.5	B4	T
UDDL71	023 189 560	G1	44	10	200	200	60	9	100	100		8SC	DDP
UDH	802 310 000		20				60		REC	20mA		B5	R
UDP12	023 180 560	G1	40	10	200	200	60	9	No Data Available		8SC	DP	
UDP13	026 580 310	G1	40	10	200	200	60	9	No Data Available		A08	DP	
UDT1	023 189 060	G1	15	3	200		10.3	3	150		3	8SC	DDT

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE	
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V			
UE1	023 100 080		25				60			REC		20mA	8SC	R
UE2	123 180 090		50				60			REC		20mA	8SC	RR
UE13	020 080 310		25				60			REC		20mA	A08	R
UE100	208 0*0 130		50							REC			A08	R
UEL11	452 371 560	G	48	6	100	30	2.4	1.6	100	60	1.6	F8	PP	
					200	200	22	5	100	100				
UF5	023 110 560	G1	12.5	2.5	100	100	3.2	2.2	100	100	2.2	8SC	P	
UF6	023 110 560	G1	12.5	2.0	100	100	3	1.8	100	100	1.8	8SC	P	
UF8	206 511 130	G1	12	2	200	200		1.6	100	100		B8B	P	
UF9	206 501 130	G1	12.5	2.5	200	100	6	2.2	100	100	2.2	A08	P	
UF10	023 110 560	G1	12.5	2.4	200	100	5.5	2.4	100	100	2.3	8SC	P	
UF11	602 301 450		15	2	200	75	6	2.2	100	100	2	F8	P	
UF14	612 350 140		25	5	200	200	12	7	100	100	7	F8	P	
UF15	612 301 450		25	2	200	100	12	5.5	100	100	5.5	F8	P	
UF21	265 104 130		12.5	2.5	200	100	6	2.2	100	100	2.2	B8B	P	
UF41	26* *54 130		12.5	3	200	125	7.2	2.3	100	150	2.3	B8A	P	
UF42	260 154 130		21	2	200	175	10	8.5	100	150	8	B8A	P	
UF43	260 154 130		21	2	200	125	15	6.3	100	100		B8A	P	
UF80	141 230 651		19	2	200	170	10	7.4	100	100	7	B9A	P	
UF81	541 236 000		12.6	2.5	250	125	6	2.2	100	100		B9A	P	
UF85	141 231 651		19	2	200	100	9.7	5.9	200	200	6	B9A	P	
UF86	501 236 014		12.6	2	200	150	3	1.8	100	100	1.8	B9A	P	
UF89	041 230 651		12.6	2	200	100	9	3.8	175	100	4.4	B9A	P	
UF172	112 540 360		20	2	200	100	4.5	3	100	100		B8B	P	
UF174	112 540 360		30	3	200	150	12	8	100	100		B8B	P	
UF175	112 540 360		30	2	200	75	10	5.7	100	75		B8B	P	
UF183	141 230 651		18.9	2	200	90	12	12.5	No Data Available			B9A	P	
UF184	141 230 651		18.9	2.5	200	200	10	15	No Data Available			B9A	P	
UH3	023 110 560		13	3	250	100	8	2.2	100	100		8SC	P	
UH4	893 200 000		4				5		D			B5	RR	
UHP51	023 110 560		13	2.5	250	100	3.5	2	100	100		8SC	P	
UHP52	023 110 560		13	2.5	250	100	3.5	2	100	100		8SC	P	
UL1	206 540 130		60	11.5	200	200	55	8.5	100	150	8	A08	P	
UL2	023 104 560		35	5	200	200	20	7	100	150	6	8SC	P	
UL11	602 310 450		45	14	200	75	6	2.2	100	75		F8	P	
UL11	602 301 450		45	14	200	200	45	9	100	100		F8	P	
UL12	602 301 450		60	8	200	125	75	12	No Data Available			F8	P	
UL21	265 004 130		45	13	200	200	55	8	100	150	7	B8B	P	
UL22	265 004 130		46	10	200	175	61	9	100	100	8	B8B	P	
UL41	26* *54 130		45	9	200	175	54	9.5	100	100	7	B8A	P	
UL43	260 154 130		50	2.6	250	250	36	10	100	100		B8A	P	
UL44	200 154 130	A1	45	13.5	200	175	28.5	7	100	100	6.5	B8A	P	
UL46	261 054 130		45	9	200	175	54	9.5	100	100	7	B8A	P	
UL71	264 500 130		45	5.2	200	200	22	6.5	100	100		B8B	P	
UL84	*41 23* 6*5		45	12.5	200	175	70	10	100	100	9	B9A	P	
UL171	102 541 360		55	8.5	200	200	45	9	100	100		B8D	P	
ULL80	546 234 175		25		250	250	24		100	100		B9A	PI	



VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
ULP	642 310 000		13	20	250		27	4	100		4	B5	T
ULP51	623 145 000		40	17	250	250	36	2.5	100	100		8SC	P
ULP61	023 100 560	G1	33	8	200	200	55	9	100	100		8SC	P
UN955	213 460 000		6.3	7	250		6.3	2.2	100		2	5AA	T
UP2	023 140 560		25	19	200	100	40	3	100	75	3	8SC	P
UP6	023 100 560	G1	35	8	200	200	55	9	100	100		8SC	P
UP13	026 540 310		35	8	200	200	55	9	100	100		A08	P
UP13	040 231 500	A1	13	1	200	100		3	200	100	3	B7	P
UP35U	023 100 560	G1	35	8	200	200	55	9	100	100		8SC	P
UPX	642 310 000		25	34	250		38	7	100		7	B5	T
UQ80	541 236 114		12	1	250	20	0.9	7	No Data Available			B9A	P
UR1	023 100 080		20				60		REC		60mA	8SC	R
UR1C	802 310 000		20				60		REC		60mA	B5	R
UR2	123 180 090		30				60		REC		70mA	8SC	RR
UR3	123 180 090		30				60		REC		65mA	8SC	RR
UR3C	091 231 800		30				60		REC		65mA	B7	RR
UT2	023 100 060	G1	15	5	100		6	3	100		3	8SC	T
UTH4	423 164 570	G1	17	2.5	100		4	2	100	60	2	8SC	TH
					200	90	3	0.8	100	90			
UTH12	423 164 570	G1	17	2.5	100		4	2	100	60	2	8SC	TH
					250	30	3	0.7	No Data Available				
UU2	892 300 000		4				30		REC		15mA	B4	RR
UU3	892 300 000		4				30		REC		30mA	B4	RR
UU4	892 300 000		4				60		REC		35mA	B4	RR
UU5	892 300 000		4(5)				60		REC		20mA	B4	RR
UU6	208 090 030		4				60		REC		40mA	MO8	RR
UU7	208 090 030		4				60		REC		20mA	MO8	RR
UU8	208 090 030		4				120		REC		50mA	MO8	RR
UU9	290 008 130		6				30		REC		15mA	B8A	RR
UU10	892 300 000		4				60		REC		20mA	B4	RR
UU12	8*1 23* 9**		6				60		REC		25mA	B9A	RR
UU30/250	892 300 000		4				15		REC		10mA	B4	RR
UU60/250	892 300 000		4				30		REC		15mA	B4	RR
UU120/250	892 300 000		4				60		REC		20mA	B4	RR
UU120/350	892 300 000		4				60		REC		20mA	B4	RR
UU120/500	892 300 000		4				60		REC		20mA	B4	RR
UVG51	123 190 080		30				60		REC		20mA	8SC	RR
UY1	388 028 120		50				120		REC		30mA	A08	R
UY1 (N)	388 028 120		50				120		REC		30mA	A08	R
UYINS	3*8 02* 120		50				120		REC		30mA	A08	R
UY2	023 180 000		26				30		REC		15mA	F8	R
UY3	023 100 080		50				120		REC		30mA	8SC	R
UY4	023 100 080		35				30		REC		15mA	8SC	R
UY11	802 300 100		50				120		REC		50mA	F8	R
UY21	280 80* 130		50				120		REC		70mA	B8B	R
UY22	280 808 130		26				60		REC		20mA	B8B	R
UY31	020 080 310		50				120		REC		30mA	A08	R

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE	
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V			
UY41	280 000 130		31				60		REC	60mA	B8A	R		
UY42	280 *0* 130		31				60		REC	50mA	B8A	R		
UY82	**1 23* **8		55				180		REC	35mA	B9A	R		
UY85	**1 23* **8		38				120		REC	60mA	B9A	R		
UY89	1*1 23* **8		31				60		REC	20mA	B9A	R		
UY91	812 380 800		26				60		REC	20mA	B7G	R		
UY92	**2 38* 100		26				60		REC	20mA	B7G	R		
V2M70	802 309 100		6.3				30		REC	15mA	B7G	RR		
V20	802 310 000		20				60		REC	20mA	B5	R		
V20/7000	002 300 000	D1	4				15		REC	10mA	B4	R		
V20S	023 100 080		20				60		REC	20mA	8SC	R		
V22/7000	000 010 100	D1	6.3				5		D		B8B	D		
V25	081 231 900		25				60		REC	20mA	B7	RR		
V30	802 310 000		30				120		REC	50mA	B5	R		
V30/1	002 300 000	D1	2						D		B4	D		
V41	*8* **9 230		4				30		REC	15mA	B8B	RR		
V51	280 009 130		5				30		REC	15mA	B8A	RR		
V61	28* **9 130		6.3				30		REC	15mA	B8A	RR		
V99	263 400 000		3	4.5	90		2.5	0.4	80	0.4	UX4	T		
V226	041 230 500	A1	6	5	400	250	14	3	100	150	3	B7	P	
V245	041 240 500	A1	3		250	250	16	5	100	150	5	B7	P	
V248A	200 540 030	A1	2	10	150	150	32	5.2	100	100	5	MO8	P	
V311	28* *** 130		31				60		REC	20mA	B8A	RR		
V312	602 310 000	G1	4	4.8	250		6	2.3	100		2.3	B5	T	
V339	000 231 600	G1	4		250			1.7	100		1.7	B7	T	
V453	216 510 030	G1	4	1.8	250	100	4.5	2	100	100	2	MO8	P	
V503	642 300 000		4	85	400		100	4.5	100		4.5	B4	T	
V872	216 510 030	G1	6	4	200	200	6.7	3.4	100	150	3.3	MO8	P	
V884	412 361 500		6.3	2.5	250	200	8	2.5	100	150	2.5	B7G	P	
V914	892 310 000		4						D		B5	DD		
V960	002 300 000	D1	4				60		REC	20mA	B4	R		
V1120	045 231 000	A1	6	9.8	200	200	40	8.7	100	100	7	B7	P	
V1120B	040 231 500	A1	4(5)	9.8	200	200	40	8.7	100	100	7	B7	P	
V1906	002 300 000	D1	4(5)				60		REC	20mA	B4	R		
V1907	002 300 000	D1	4				60		REC	20mA	B4	R		
V1928	112 311 100	D1	4				5		D		B7G	R		
V2018	002 300 000	D1	20				30		REC	15mA	B4	R		
V2118	802 310 000		20				60		REC	20mA	B5	R		
V4200	802 300 000		4				120		REC	30mA	B4	R		
VBF11	892 361 450		35	2	200	75	5	1.9	100	80	1.9	F8	DDP	
VC1	023 189 060	G1	55	2	200		6	3	100		3	8SC	DDT	
VCH11	642 371 450		40	{	100		4	2	100	60	2	F8	TH	
				{	2.5	250	90	3	0.7	100	90			
VCL11	452 371 460		90	{	0.5	100		2	2.4	100	60	2.4	F8	TH
				{	4.5	200	200	12	5	100	100			
VDS	542 310 000	A1	16	2	200	75		1.6	100	75	1.6	B5	P	
VDSB	542 310 000	A1	16	1	200	75	5	3	100	75	3	B5	P	

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
VEG51	026 100 080		20				60			REC	20mA	8SC	R
VEL11	452 371 560		90	}	100	30	2.4	1.6	100	100	}	F8	PP
VF3	023 110 560	G1	55		6	200	200	22	5	100		100	8SC
VF7	023 110 560	G1	55	2.5	250	100	5	2	100	100	6	8SC	P
VF14	612 350 140		60	4.5	250	250	12	7	100	100		F8	P
VG406	892 300 000		4				30			REC	15mA	B4	RR
VG410	892 300 000		4				30			REC	15mA	B4	RR
VG411	892 300 000		4				60			REC	20mA	B4	RR
VG420	892 300 000		4				60			REC	20mA	B4	RR
VG421	892 300 000		4				60			REC	20mA	B4	RR
VG2503	892 300 000		4				30			REC	15mA	B4	RR
VG2908	892 300 000		2.5				30			REC	15mA	B4	RR
VG3008	892 300 000		4				30			REC	15mA	B4	RR
VG3016	892 300 000		4				60			REC	20mA	B4	RR
VG3630	892 300 000		4				120			REC	20mA	B4	RR
VG5006	892 300 000		4				60			REC	20mA	B4	RR
VG5007	023 080 090		4				60			REC	20mA	8SC	RR
VG5107	802 300 090		4				60			REC	20mA	F8	RR
VH2	812 380 100		6				5			D		B7G	D
VH3	142 364 100		6	4.5	150		13	5	100		5	B7G	T
VH5	412 365 100		6	2	200	125	7.7	5.1	100	100		B7G	P
VHP13	041 231 500	A1	13	1.5	200	100	4	2	100	100	4	B7	P
VHT2	645 230 600	G1	2		150	75			100	75		B4	H
VHT2A	645 230 600	G1	2		150	50			100	60		B7	H
VHT4	545 231 600	G1	4	3	200	100	3.6		100	100		B7	H
VHTA	123 164 550	G1	13	1.5	250	100	3.2		100	100		8SC	H
VHTA	545 231 600	G1	13	1.5	200	100	3.2		100	100		B7	H
VHTS	645 231 500	G1	13	3	200	100	2.6		100	100		B7	H
VHTS	545 231 600	G1	13	3	200	100			100	100		B7	H
VL1	023 100 560	G1	55	14	200	200	25	2.2	100	100		8SC	P
VL4	023 100 560	G1	110	8.5	200	200	45	8	100	100		8SC	P
VLS61	002 300 000	D1	2				3		D			B4	R
VM1	2** 00* 300	D1	1.4						D			B7G	D
VM4V	542 310 000	A1	4	1	200	80	14	2.4	200	75	2.4	B5	P
VMP4	041 231 500	A1	4	2	250	100	3	3.5	150	100	3.5	B7	P
VMP4	542 310 000	A1	4	1	250	100	5	3.5	200	100	3.5	B5	P
VMP4G	041 231 500	A1	4	2	250	100	8	2.7	100	100	2.7	B7	P
VMS4	542 310 000	A1	4	1	200	80	11	2.1	200	75	2.4	B5	P
VMS4B	542 310 000	A1	4	1	200	80	5.2	2.4	200	75	2.9	B5	P
VO2	645 320 600	G1	2		150	90	1.8		150	90		B7	O
VO2S	023 064 560	G1	2		150	50	2		No Data Available			8SC	O
VO4	645 231 500	G1	4	1.5	250	75	1.6		100	75		B7	O
VO4S	023 154 560	G1	4	1.5	250	75	1.6		100	75		8SC	O
VO6	123 164 560	G1	6	3	100	100	4.6		100	100		8SC	O
VO13	645 231 500	G1	13	1.5	250	75	1.6		100	75		B7	O
VO13S	123 154 560	G1	13	1.5	250	75	1.6		100	75		8SC	O

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
VO133	023 164 570	G1	13	1	100		1	1.2	100	60	1.2	B7	TH
VP2	041 230 500	A1	2	1	200	75	3	1.7	200	80	1.7		
VP2B	061 230 500	G1	2	1.5	150	150	1.6	0.7	80	90	0.5	B7	P
VP2B	065 231 500	G1	2	1.5	150	60	2	1.4	100	60	1.4	B7	H
VP2B	032 004 560		2	15	150	150	2.5	0.7	150	150	0.6	8SC	P
VP2BS	032 010 560	G1	2	1	150	150	2.5	0.7	150	150	0.6	8SC	P
VP2D	061 230 500	G1	2	1.5	150	75	1.3	2	150	75	2	B7	P
VP4	542 310 000	A1	4	2	200	100	4.5	2.3	100	100	2.3	B5	P
VP4	041 231 500	A1	4	2	200	100	4.5	2.3	100	100	2.3	B7	P
VP4A	041 231 500	A1	4	2	200	100	4.3	2.5	100	100	2.5	B7	P
VP4B	061 231 500	G1	4	3	250	250	11.5	2	100	100	1.8	B7	P
VP4C	041 231 500	A1	4	2	250	250	11.5	4	100	150	4	B7	P
VP4S	023 110 560	G1	4	2	250	100	8	1.8	100	90	1.8	8SC	P
VP4S	061 231 500	G1	4	3	250	100	8	1.8	100	90	1.8	B7	P
VP6	412 361 500		6	2.5	250	200	8	2.1	100	150	2.1	B7G	P
VP6	061 231 500	G1	6	3	250	100	7.5	1.7	200	100	1.7	B7	P
VP6S	023 110 560	G1	6	3	250	100	7.5	1.8	200	100	.7	8SC	P
VP12D	026 985 310	G1	13	3	250	125	9	1.1	100	100	1.1	A08	DDP
VP13	041 231 500	A1	13	1.5	200	100	6.3	3	100	100	3	B7	P
VP13	061 231 500	G1	13	3	200	100	8	2.8	100	100	2.8	B7	P
VP13A	023 110 560	G1	13	2	200	100	4	2.2	100	100	2.2	8SC	P
VP13B	061 231 500	G1	13	2	200	200	9	2.2	200	200	2.2	B7	P
VP13C	061 231 500	G1	13	2	200	200	9	2.2	200	200	2.2	B7	P
VP13K	061 231 500	G1	13	3	200	100	8	2	100	100	2	B7	P
VP13S	061 231 500	G1	13	3	200	100	8	2.8	100	100	2.8	B7	P
VP13S	023 110 560	G1	13	3	200	100	8	2.8	100	100	2.8	8SC	P
VP20	542 310 000	A1	20	2	200	100	4	2.2	200	100	2.2	B5	P
VP21	041 230 500	A1	2	1	150	60	1.8	1.1	150	60	1.1	B7	P
VP22	206 510 030	G1	2	1.5	150	60	1.2	0.8	100	60	0.8	M08	P
VP23	206 510 030	G1	2	1.5	150	60	1.4	1	100	60	1	M08	P
VP41	216 510 030	G1	4	2.7	250	250	7.7	2	100	150	2	M08	P
VP41	061 231 500	G1	4	3.3	250	250	11	2	100	200	3.1	B7	P
VP133	216 510 030	G1	13	2.7	150	150	8	2.1	150	100	2.1	M08	P
VP210	041 230 500	A1	2	1.5	150	60	1.1	0.8	100	60	0.8	B7	P
VP210	542 300 000	A1	2	1.5	150	60	1.1	0.8	125	60	0.8	B4	P
VP215	542 300 000	A1	2	1.5	150	75	2	0.7	150	75	1.3	B4	P
VP215	041 230 500	A1	2	1.5	150	75	2	0.7	150	75	1.3	B7	P
VP215B	061 230 500	G1	2	1.5	150	125	1.5	1	125	100	1.2	B7	P
VP215C	041 230 500	A1	2	1.5	150	125	1.5	1	125	100	1.2	B7	P
VP1320	041 231 500	A1	13	2.7	250	100	5	2	100	100	2	B7	P
VP1321	041 231 500	A1	13	2.8	200	200	7.4	2	150	150	2	B7	P
VP1322	061 231 500	G1	13	2.8	250	200	7.4	2	100	100	2	B7	P
VPT2	542 300 000	A1	2	1.5	150	60	1.5	1.1	125	60	1.1	B4	P
VPT2	041 230 500	A1	2	1.5	150	60	1.5	1.1	125	60	1.1	B7	P
VPT4	542 310 000	A1	4	3	250	100	5.5	2	100	90	2	B5	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
VPT4	041 231 500	A1	4	3	250	100	5.5	2	100	90	2	B7	P
VPT4B	041 231 500	A1	4	3	250	100	6	3.2	100	90	3.2	B7	P
VPTA	041 231 500	A1	13	2	250	100	4.2	2.9	100	100	2.9	B7	P
VPTS	041 231 500	A1	13	3	200	100	5.5	2.6	100	90	2.6	B7	P
VPU1	060 231 500	G1	13	1	250	200		3.5	100	100		B7	P
VS2	542 300 000	A1	2	2.5	150	60	2	1.2	100	60	1.4	B4	P
VS24	542 300 000	A1	2	1	150	75	2.8	1.5	150	75	1.5	B4	P
VS24K	542 300 000	A1	2	1	150	75	2.8	1.5	150	75	1.5	B4	P
VS210	542 300 000		2	2.5	150	60	2	1.4	100	60	1.4	B4	P
VS215	542 300 000	A1	2	1	150	75	6	0.7	150	75	1	B4	P
VSGA1	542 310 000	A1	4	1.5	200	100	7	6.1	100	100	6	B5	P
VT1	642 310 000		4	5	200		5	2	100		2	B5	T
VT2	642 310 000		4	2	200		3	1.9	150		1.9	B5	T
VTP4	542 310 000	A1	4	3	200	100	5.5	2	100	100	2	B5	P
VX2	061 235 500	G1	2	1	150	60	1		150	60		B7	H
VX2S	023 015 560	G1	2	1	150	60	1		150	60		8SC	H
VX4	515 231 600	G1	4	2	250	75	1.8		100	75		B7	H
VX4S	023 115 560	G1	4	2	250	75	1.8		100	75		8SC	H
VX6S	023 115 560	G1	6	3	250	100	1.9	4	100	100	4	8SC	P
VX13	515 231 600	G1	13	2	250	75	1.8		100	75		B7	P
VX13S	023 115 560	G1	13	2	250	75	1.8		100	75		8SC	H
VY1	023 100 080		55				60		REC		20mA	8SC	R
VY2	023 180 000		30				15		D			8SC	R
VY2N	023 100 080		30				15		D			8SC	R
W4	642 300 000		4	7.5	150		3	1.2	100		1.2	B4	T
W4-500	892 300 000		4				60		REC		20mA	B4	RR
W17	265 024 300		1.4	1	90	75	3.5	0.9	80	75	0.9	B7G	P
W21	041 230 500	A1	2	1	150	125	3.3	1	150	100	1.4	B7	P
W21	542 300 000	A1	2	1	150	125	2.3	1	150	100	1.4	B4	P
W25	265 *24 300		1.4		90	60	1.7	0.8	90	60		B7G	P
W30	041 231 500	A1	13	1	250	250	12	4	250	250	4	B7	P
W31	041 231 500	A1	13	3	250	100	8	2.7	100	90	2.7	B7	P
W42	061 231 500	G1	4	3	250	100	7.6	1.5	100	100	1.5	B7	P
W61	026 510 310	G1	6	3	250	75	8.5	2.9	100	75	2.9	A08	P
W63	026 510 310	G1	6	3	250	100	7.6	1.5	100	90	1.5	A08	P
W76	026 510 310	G1	13	3	250	100	7.6	1.5	200	100	1.5	A08	P
W77	412 361 500		6	2	200	200	8	2.5	100	150	2.5	B7G	P
W81	265 104 130		6	3	250	100	8	2.8	100	90	2.8	B8B	P
W101	265 104 130		19	3	250	100	8	2.8	100	90	2.8	B8B	P
W107	412 361 500		12.5	2.5	200	200	8	2.5	100	150	2.5	B7G	P
W118	260 154 130		13	2.5	200	100	7	2.3	100	100	2.5	B8A	P
W119	141 230 651		13	1.3	200	100	13	4.4	100	100	4.4	B9A	P
W142	261 154 130		12	3	250	250	7.2	2.2	100	150	2.2	B8A	P
W143	265 104 130		6	2.5	250	100	6	2.2	100	100	2.2	B8B	P
W145	260 154 130		13	2.5	200	100	7	2.3	100	100	2.3	B8A	P
W147	026 510 310	G1	6	2.5	250	100	6	2.2	100	100	2	A08	P
W148	265 140 130		6	2.5	250	150	9.5	2.8	100	150	3.8	B8B	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
W149	265 104 130		6	3	250	100	8.5	1.8	100	90	1.7	B8B	P
W150	261 154 130		6	2.5	250	100	6	2.2	100	150	2.2	B8A	P
W213	642 300 000		2	2.5	150		1	1.2	150		1.2	B4	T
W216	040 120 560		2	1.5	150	90	3	1.2	100	90	1.2	B7	P
W318	809 231 600	G1	4	2	100		3.5	2.5	100		2.5	B7	DDT
W406	642 300 000		4	7.5	150		3	1.2	100		1.2	B4	T
W411	642 300 000		4	2.5	150		3	2.2	100		2.2	B4	T
W412	642 300 000		4	7.5	150		3	1.2	100		1.2	B4	T
W415N	642 310 000		4	2.5	200		2.5	1	100		1	B5	T
W420	642 300 000		4	4	150		4	1.3	100		1.2	B4	T
W719	141 230 651		6	2	250	100	10	6	150	100	5	B9A	P
W727	412 365 100		6	1	250	100	11	4.4	100	100	4.4	B7G	P
W729	141 230 651		6	2	200	175	8	5.7	100	100		B9A	P
W739	141 230 651		6.3	1.3	175	100	12	4.4	100	100	4	B9A	P
W4080	642 310 000		4	2.5	200		2.5	1	100		1	B5	T
W4110	642 310 000		4	1.5	200		1	3	100		2.5	B5	T
WD2	642 300 000		2	2.5	150		1	1	100		1.2	B4	T
WD30	560 231 890	G1	13	1	250	100	7	2.6	250	100	2.6	B9	DDP
WD40	560 231 890	G1	4	1	250	100	7	3.5	100	100	3.5	B9	DDP
WD70	541 236 891		6	2	250	90	5	2.2	100	90	2.2	B9A	DDP
WD119	541 236 891		19	1.5	200	100	11	4.5	100	100	4.5	B9A	DDP
WD142	268 154 130		13	2	200	90	5	2.1	100	100	1.9	B8A	DP
WD150	268 154 130		6	2	250	100	5	2.1	100	100	2	B8A	DP
WD709	541 236 891		6	2	250	90	5	2.2	100	90	2.2	B9A	DDP
WE23	542 310 000	A1	4	2	200	100	3	2.5	100	100		B5	P
WE24	542 310 000	A1	4		200	100	3	2.5	100	100		B5	P
WE27	642 310 000		4	3.5	200		6	2.4	100		2.2	B5	T
WE28	642 310 000		4	1.5	200		1	2.5	100		2.2	B5	T
WE29	642 310 000	D1	4	3	200		6	2	100		2	B5	DT
WE30	642 350 000		4	15	250	250	36	2.8	No Data Available			B5	P
WE33	023 110 560		4	3	100	250	8	1.9	100	100		8SC	P
WE35	023 004 560		4	15	250	250	15	2.8	100	100		8SC	P
WE37	023 189 060	G1	4	7	250		4	2	100		2	8SC	DDT
WE38	023 104 560		4	6	250	250	36	9	100	100		8SC	P
WE39	023 100 060	G1	4	5.5	250		6	2.5	100			8SC	P
WE51	892 300 000		4				30		REC		15mA	B4	RR
WE52	892 300 000		2				60		REC		20mA	B4	RR
WE53	023 080 090		4				60		REC		25mA	8SC	RR
WE54	023 080 090		4				30		REC		12mA	8SC	RR
WE350A	254 130 000	A1	6	4.5	400	250	83	6.5	100	150	6	UX5	P
WE377	029 180 310		117				60		REC		20mA	A08	RR
WE403A	412 365 100		6	2.3	150	150	7	4.3	100	100	4	B7G	P
WHTS	745 231 600	G1	13	{	1	150		0.6	150	60	0.6	}B7	TH
				{	1	250	75	1.5	250	75	1.4		
WT389	036 540 320		1.4	4.6	90	90	8	2	80	75	2	A08	P
WT210-0006	029 180 310		6						D			A08	DD
WT210-0007	026 540 310		6	18	350	250	54	5.2	100	150	5.2	A08	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
WT210-0012	298 300 000		5				60		REC		20mA	UX4	RR
WT210-0013	289 300 000		5				120		REC		30mA	UX4	RR
WT210-0019	289 300 000		5				120		REC		30mA	UX4	RR
WT210-0021	028 090 310		6				30		REC		15mA	A08	RR
WT210-0025	029 180 310		117				60		REC		20mA	A08	RR
WT210-0029	026 040 310		6	8	250		8	2	100		2	A08	T
WT210-0037	126 458 310		117	5.2	100	100	60		REC		20mA	A08	RP
WT210-0040	802 309 100		6				43	5.3	100	90	5.3		
WT210-0042	030 809 020		5				30		REC		15mA	B7G	RR
WT210-0048	020 809 030		5				60		REC		20mA	A08	RR
WT210-0048	020 809 030		5				120		REC		30mA	A08	RR
WT210-0081	021 415 360		6	2	250	100	3	1.7	100	100	1.6	A08	P
WT210-0082	026 540 310		6	12.5	250	250	45	4.1	100	150	4.1	A08	P
WT210-0083	216 498 130		6	2	250		2.3	1.6	200		1.6	B8B	DDT
WT210-0084	027 446 310		6	5	250		3	1.6	100		1.6	A08	TT
WT210-0085	412 365 400		50	7.5	150	100	49	7.5	100	90	6	B7G	P
WT210-0087	027 546 310	G1	6	1	100		8	2.5	100	60	3	A08	TH
WT210-0089	026 540 310		6		3	250	100	4	1.2	100	100		
WT210-0090	265 113 000	G1	6	9	200	175	15	2.3	100	100	2.3	A08	P
WT210-0094	461 471 230		6	3	250	100	2	1.2	100	100	1.2	UX6	P
WT210-0108	461 471 230		6	8	250		9	2.6	100		2.6	A08	TT
WT210-0108	461 471 230		6	31.5	150		100	7	No Data Available			A08	TT
WT210-0148	029 080 310		6				60		REC		20mA	A08	RR
WT390	026 040 310		6	8	250		8	2	100		2	A08	T
			6		150		5.5		100	60			
WT-T102	020 809 030		5				60		REC		20mA	A08	RR
WT-T122	021 415 360		6	3	250	100	3	1.6	100	100	1.6	A08	P
WT-T123	026 540 310		6	12.5	250	250	45	4.1	100	150	4	A08	P
WT-T124	216 498 130		6	2	250		2.3	1.6	200		1.6	B8B	DDT
WT-T125	027 446 310		6	5	250		3	1.6	100		1.6	A08	TT
WT-T126	412 365 400		50	7.5	150	100	49	7.5	100	90	6	B7G	P
WT-T128	027 546 310	G1	6	1	100		8	2.5	100	60	3	A08	TH
WT-T130	026 540 310		6		3	250	100	4	1.2	100	100		
WT-T131	026 540 310		6	9	200	175	15	2.3	100	100	2.3	A08	P
WT-T131	265 113 000	G1	6	3	250	100	2	1.2	100	100	1.2	UX6	P
WT-T135	020 809 030		5				120		REC		30mA	A08	RR
X14	026 546 300	G1	1.4		90	50	1.8	0.5	80	60	0.5	A08	H
X17	266 424 300		1.4	4	75		4.5	1.2	80		1.2	B7G	H
X18	266 464 300		1.4	4	75		4	1.2	80		1.4	B7G	H
X21	645 230 600	G1	2		150	75			100	75		B7	H
X22	645 320 600	G1	2		150	75			100	75		B7	H
X23	645 231 700	G1	2	1.5	100		2.1		100	60	1.1	B7	TH
			2		150	60	0.7		150	60	1.5		
X24	645 231 700	G1	2	1.5	100		2.1		100	60	1.3	B7	TH
			2		150	60	0.7		150	60	1.6		
X25	265 461 300		1.4	1.5	75	50	1	0.4	80	60	0.4	B7G	H
X30	645 231 600	G1	13	3	150	75	7		100	75		B7	H

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE	
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V			
X31	645 231 700	G1	13	{	150			2.2		100	60	2	}B7	TH
					250	75		2.3		250	75	3		
X41	645 231 700	G1	4	{	6	150		5	1.4	150	60	1.8	}B7	TH
					3	250	75	2.3	1.4	100	75	2		
X42	642 231 600	G1	4	{	3	250	100	7	2	100	100	2	}B7	H
					2	100		5.4	2.2	100		2.2		
X61	027 546 310	G1	6	{	2	250	100	3	0.7	150	100	0.7	}A08	TH
					2	100		7.5	2.6	100	60	2		
X61M	027 546 310		6	{	2	250	100	8	2.6	100	100	2	}A08	TH
					2	250	100							
X63	026 545 310	G1	6	{	3	250	100	6	1.6	100	100	1.6	}A08	H
X64	026 540 310	G1	6		3	250	100	5.3	1.1	100	100	1.1		
X65	027 546 310	G1	6	{	1	100		8	2.5	100	60	1	}A08	TH
					3	250	100	4	1.2	100	100	0.5		
X66	027 546 310	G1	6	{	1	100		8	2.5	100	60	1.3	}A08	TH
					3	250	100	4	1.2	100	100	1		
X71	027 546 310	G1	15	{	100					100	60	1.5	}A08	TH
					3	250	100			150	100	3		
X73	026 546 310	G1	6	{	3	150	75			100	75		}A08	H
X75	026 546 310	G1	15		3	150	75			100	75			
X76	027 546 310	G1	13	{	1	100		8	2.5	100	60	0.6	}A08	TH
					3	250	100	4	1.2	100	100	1.6		
X77	412 366 100		6	{	2	100		12	6.5	100		6.5	}B7G	H
					2	100		5	2.2	100	60	2.8		
X78	542 376 400		6	{	1	150	75	5.3	2.2	100	75	2	}B7G	TH
					2	100		5	2.2	100	60	2.8		
X79	541 237 46*		6	{	2	100		5	2.2	100	60	2.8	}B9A	TH
					3	250	75	10	3	100	75	6		
X81	276 454 130		6	{	1	100		4.8	1.4	100	60	1.7	}B8B	TH
					2	250	100	4	2	100	100	2		
X99	264 300 000		3	{	4.5	90		2.5	0.4	80		0.4	}UX4	T
					2	100		3		100	60			
X101	276 454 130	G1	19	{	250	100		3		100	100		}B8B	TH
					100	250		4						
X107	412 365 400		19	{	100	250		4					}B7G	O
					2	100		5	2.2	100	60	2.2		
X108	542 376 400		19	{	1	250	75	5.3	2.2	100	75	1.6	}B7G	TH
					2	100		5	2.2	100	60	2.8		
X109	541 237 46*		19	{	2	100		5	2.2	100	60	2.8	}B9A	TH
					3	250	75	2.9		100	75			
X118	276 454 130		28	{	2.5	200	100	3	2.5	100	100	2.5	}B8A	TH
					1	100		13.5	3.7	100	60	3.5		
X119	541 237 164		19	{	2.2	200	100		2.3	100	100	2	}B9A	TP
					2	100		5	2	100	60	2.2		
X142	276 454 130		14	{	2	200	75	8	2.2	100	75	2	}B8A	TH
					2	100		6.3	2.4	100	60	3.2		
X143	276 454 131		6	{	2	250	90	5.3	2.2	100	100	2.2	}B8B	TH
					3.3	100		6	2	100	60	3		
X145	276 454 130		28	{	2.5	200	100	8	2.5	100	100	2.5	}B8A	TH
					2	100		5.4	2.2	100	60	2.8		
X147	027 546 310	G1	6	{	2	250	100	5	2.4	100	100	1.2	}A08	TH
					1	100		4.8	1.4	100	60	1.6		
X148	276 454 130		6	{	2	250	100	4	2	100	100	2	}B8B	TH



VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
X150	276 454 130		6	{ 2	100		5	2.6	100	60	2.8	B8A	TH
				2	250	100	8	2.2	100	100	3.5		
X719	541 237 164		6	{ 3	100		5	2.3	100	60	2.3	B9A	TH
				2	250	100	6.5	2.3	150	100	2.4		
X727	412 366 100		6	2	100		11	7	100		5	B7G	H
X6030	020 880 330		3						D			B8B	D
XAA91	182 310 900		3.1				5		D			B7G	DD
XC88	414 234 464		2		150		12.5	14	No Data Available			B9A	T
XC95	142 360 100		1.8	1.2	200		10	10.5				B7G	T
XCC82	641 227 413		6.3	0	100		11.8	3.1	100		3.1	B9A	TT
XCC89	146 234 117		3.6	1.2	100		15	12	No Data Available			B9A	TT
XCC189	741 236 410		4.5	1.2	90		15	12.5	No Data Available			B9A	TT
XCF80	645 237 114		4.5	{ 2	100		14	5	100	60	5	B9A	TP
				200	150	10	6.2	100	100	6			
XCF82	645 237 114		4.8	{ 1	150		18	8.5	100	60	8	B9A	TP
				200	100	10	5.2	100	100	5			
XCL82	414 237 516		8	{ 0	100		3.5	2.5	100	60	2	B9A	TP
				200	150	41	7.5	100	100	2			
XCL84	461 237 145		7.8	{ 1.7	200		3	4	100	60	4	B9A	TP
				2.9	200	200	18	10.4	100	100			
XCL85	641 237 514		8.6	{ 0.8	100		5	6.5	100	60	6.5	B9A	TP
				200	150	41	7.5	100	100				
XCL86	415 237 146		7.5	{ 1.7	250		1.2	16	100	60		B9A	TP
				7	250	250	36	10	100	100			
XD	642 300 000		2	1.5	75		0.7	0.8	80		0.7	SM4	T
XD1.5V	642 300 000		1.5		50		0.4	0.4	80			SM4	T
XD2.0V	642 300 000		2	1	60		0.5	0.6	No Data Available			SM4	T
XE2	623 000 000		1.25	2.9	12		0.1	0.1	No Data Available			B3G	T
XE4	623 000 000		1.25	2	12		0.23	0.12	No Data Available			B3G	T
XF80	141 230 651		3.4	2	200	175	10	7.2	100	100	6	B9A	P
XF85	141 230 651		3.4	2	250	100	10	6	150	100	5	B9A	P
XF86	501 236 014		2.5	2	250	150	3	2.3	100	100	1.8	B9A	P
XF94	412 365 100		3.1	1.0	250	150	10.8	5.2	100	100		B7G	P
XF183	141 230 651		3.6	2	200	90	12	12.5	No Data Available			B9A	P
XF184	141 230 651		3.6	2.5	200	200	10	15	No Data Available			B9A	P
XFG1	624 300 000		1.5		40		1.5		No Data Available			B5A	T
XFR1	652 430 000		1.2		40	40	3	2	No Data Available			B5A	P
XFR2	652 430 000		1.2		60	60	1.8	1.1	No Data Available			B5A	P
XFR3	624 300 000		1.2	5	150		4	1.7	125		1.7	B5	T
XFR5	652 430 000		1.2		60	60	1.8	1.1	No Data Available			B5A	P
XFW10	653 120 000		0.6		20	20			No Data Available			B5A	P
XFW20	652 430 000		0.6		20	20			No Data Available			B5A	P
XFW30	653 420 000		0.6		20	20			No Data Available			B5A	P
XFW40	653 420 000		0.6		20	20			No Data Available			B5A	P
XFW50	653 520 000		0.6		20	20			No Data Available			B5A	P
XFY10	653 420 000		1.3	1.3	20	20	0.5	0.4	No Data Available			B5A	P
XFY11	653 420 000		1.2		20	20	0.3	0.4	No Data Available			B5A	P
XFY12	653 420 000		1.2	0.5	20	20	0.3	0.4	No Data Available			B5A	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE I60					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
XFY14	653 420 000		1.2	6.5	60	60	3.1	0.6	No Data Available	B5A	P		
XFY15	653 420 000		1.2	6.5	60	60	3	0.6	No Data Available	B5A	P		
XFY20	653 420 000		0.6		20	20			No Data Available	B5A	P		
XFY21	653 420 000		1.2		20	20	0.4	0.4	No Data Available	B5A	P		
XFY22	653 420 000		1.2	1.2	20	20	0.3	0.4	No Data Available	B5A	P		
XFY23	653 420 000		1.2	2	20	20	0.4	0.3	No Data Available	B5A	P		
XFY31	653 420 000		1.2		20	20	0.4	0.4	No Data Available	B5A	P		
XFY32	653 420 000		1.2	1.5	20	20	0.4	0.3	No Data Available	B5A	P		
XFY33	653 420 000		1.2	2	20	20	0.4	0.3	No Data Available	B5A	P		
XFY34	653 420 000		1.2	4	40	40	1.5	0.6	No Data Available	B5A	P		
XFY35	653 420 000		1.2	1.5	40	40	0.7	0.6	No Data Available	B5A	P		
XFY41	653 420 000		1.2	1.2	40	30	0.3	0.4	No Data Available	B5A	P		
XFY43	653 420 000		1.2	2	20	20	0.4	0.3	No Data Available	B5A	P		
XFY51	653 420 000		1.2		20	20	0.2	0.3	No Data Available	B5A	P		
XFY53	653 420 000		1.2	3	20	20	0.5	0.3	No Data Available	B5A	P		
XFY53M	653 420 000		1.2	3	20	20	0.5	0.3	No Data Available	B5A	P		
XFY54	653 420 000		1.2	2	20	20	0.3	0.3	No Data Available	B5A	P		
XH2.0V	642 300 000		2	1	60		0.5	0.6	No Data Available	SM4	T		
XL	642 300 000		2	1.5	75		1.5	0.9	80	0.8	SM4	T	
XL01.5	642 300 000		1.5	1	60		0.9	0.7	No Data Available	SM4	T		
XL01.5V	*41 23* 6*5		8	7.3	250	250	48	11.3	100	150	10	B9A	P
XL1.5	642 300 000		1.5	1	60		0.7	0.6	No Data Available	SM4	T		
XL02.0V	642 300 000		2	1	60		1.1	0.9	No Data Available	SM4	T		
XL2.0V	642 300 000		2	1	60		1	0.8	No Data Available	SM4	T		
XL36	642 300 000		1.5	4.5	50		1.7	0.7	80		SM4	T	
XL84	6*2 364 100		2	1	50		1.1	0.9	80		B7G	T	
XL86	*2* 540 310	A1	12.8	8.3	100	100	77	11	100	150	10	A08	P
XP	642 300 000		2	4.5	100		9.5	1	80		1	SM4	T
XP1.5V	642 300 000		1.5	4	60		1.8	0.8	No Data Available	SM4	T		
XP2	642 300 000		2	4.5	75		4	1	80		1	SM4	T
XPH1.5	264 730 000	G1	1.5	{ 4.5	40		0.5	0.5	60			SM5	TT
XR2	206 035 240		1.2	7.5	150	125	7	1.9	125	100		B8D	P
XR4	206 035 240		1.2	7.5	150	125	7	1.9	100	100		B8D	P
XR6	412 163 510		6.3	1.4	100	100	7	5	100	100	5	B8D	P
XR7	412 653 160		6.3	2	100	100	7.5	5.5	100	100	5.5	B8D	P
XR8	462 603 160		6.3	2.5	100		8	4.2	100		4.2	B8D	T
XR9	742 113 460		6.3	1.8	100		8.5	5	100		5	B8B	TT
XSG	542 300 000	A1	2	1	150	60	1.4	0.7	100	60	0.6	SM4	P
XSG1.5V	542 300 000	A1	1.5		50	30	0.5	0.3	No Data Available	SM4	P		
XSG2.0V	542 300 000	A1	2		60	30	0.6	0.4	No Data Available	SM4	P		
XVS2.0V	542 300 000	A1	2		60	30	0.4	0.3	No Data Available	SM4	P		
XW1.5	254 630 000		1.5		60	30	0.7	0.5	No Data Available	SM5	P		
XW1.5V	251 630 000	G1	1.5		50	50	0.7	0.5	No Data Available	SM5	P		
XW2.0V	254 630 000		2		60	50	0.9	0.6	No Data Available	SM5	P		
XW075A	653 420 000		0.6		40	30	0.3	0.2	No Data Available	B5A	P		
XW075B	653 420 000		0.6		40	30	0.2	0.2	No Data Available	B5A	P		

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
XXB	206 447 320		1.4		90		4.5	1.3	90		1.3	B8B	TT
XXD	216 447 130		12.5	10	250		9	2.1	100		2.1	B8B	TT
XXFM	264 189 130		6.3	2	250		1.5	1.5	100		1.4	B8B	DDT
XXL	260 004 130		6	8	250		8	2.3	100		2.3	B8B	T
XY	254 630 000		2	3	75	75	4	1.2	80	75	1.2	SM5	P
XY1.4A	653 420 000		1.4	4.5	40	40	1.8	0.5	No Data Available			B5A	P
XY1.4B	653 420 000		1.2	4.5	40	40	1.6	0.6	No Data Available			B5A	P
XY1.4C	653 420 000		1.2	1.5	40	40	0.5	0.5	No Data Available			B5A	P
XY1.5	254 630 000		1.5	1.5	40	40	1.7	1	No Data Available			SM5	P
XY2.0V	246 530 000		2	2	60	50	1.7	1.4	No Data Available			SM5	P
XY14B	653 420 000		1.2	4.5	40	40	0.3	0.6	No Data Available			B5A	P
XY14CC	653 420 000		1.2	1.5	40	40	0.5	0.5	No Data Available			B5A	P
XY88	*** 23* **8	C	16				120		REC		40mA	B9A	R
Y13	045 231 600		13	20	250	250	40	3.9	100	150		B7	P
Y220	642 300 000	G2	2	4.5	150	150	10.5	2.5	100	100	2.5	B4	P
Y220	642 350 000		2	4.5	150	150	10.5	2.5	100	100	2.5	B5	P
Y230	642 350 000		2	3	150	150	5		100	100		B5	P
YA1000	230 232 032		4				180		REC		40mA	B9A	R
YC88	414 234 464		2.6		160		12.5	14	No Data Available			B9A	T
YC95	142 360 100		2.2	1.2	200		10	10.5	No Data Available			B7G	T
YCC89	146 234 117		4.8	1.9	100		15	12	No Data Available			B9A	TT
YCL82	414 237 516		10.8	{ 0	100		3.5	2.5	100	60	2	B9A	TP
					200	150	41	7.5	100	100	6		
YCL84	461 237 145		10	{ 1.7	200		3	4	100	60	4	B9A	TP
					200	150	18	11	100	100	4		
YCL86	415 237 146		10	{ 1.7	250		1.2	1.6	100	60	1.6	B9A	TP
					250	250	36	10	100	100	1.6		
YD2	642 300 000		2	4.5	150		6	3	100		2	B4	T
YF183	141 230 651		4.2	2	200	100	12	12.5	No Data Available			B9A	P
YF184	141 230 651		4.2	2.5	200	200	10	15	No Data Available			B9A	P
YL84	*41 23* 6*5		8	7.3	250	250	48	11.3	No Data Available			B9A	P
YL86	041 23* 6*5		8	12.5	200	200	75	10	No Data Available			B9A	P
YL1000	014 235 166		1.1		100	100	30	4.3	100	100		B9A	P
YL1030	245 3*4 200	A1 A2	2.1		200	200	30	4.5	100	100		B7A	PP
YL1060	245 134 200	A1 A2	6.3	15	300	250	95	5	No Data Available			B7A	PP
YL1080	424 236 572		1.6		200	200	30	3.3	100	100		B9A	PP
YL1130	423 756 324		1.1		200	200	40	7	100	100		B9A	PP
YL1240	414 227 563		6.75		400	200	30	3.3	100	100		B9A	PP
YY88	*** 23* **8	C	22				180		REC		40mA	B9A	R
Z14	036 500 200	G1	1.4	1	100	100	0.5	0.6	80	90	0.7	A08	P
Z21	041 230 500	A1	2	1	150	150	1.1	1.2	150	100	1.2	B7	P
Z21	542 300 000	A1	2	1	150	150	1.1	1.2	150	100	1.2	B4	P
Z22	041 230 500	A1	2		150	150	2.5	1.4	100	100		B7	P
Z22Met	041 230 500	A1	2		150	150	2.5	1.4	100	100		B7	P
Z26	045 231 600		26	5.5	250	250	32	7.5	100	100	8	B7	P
Z62	026 510 310	G1	6	2	300	150	10	7.5	100	100	7.5	A08	P
Z63	026 510 310	G1	6	3	250	100	2	1.2	100	100	1.2	A08	P
Z66	026 510 310	G1	6	1.5	200	200	10.9	8.5	100	150	8	A08	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
Z73	026 510 310	G1	6	3	250	100	6.5	1.7	100	90	1.8	A08	P
Z77	412 361 500		6	2	250	250	10	7.5	100	150	5	B7G	P
Z90	256 101 403		6	1.5	200	150	4	6.4	100	150	5	B9G	P
Z142	260 154 130		21	2	250	250	10	6	100	150	6	B8A	P
Z145	261 514 130		22	2	200	200	10	8.5	100	150	8	B8A	P
Z150	260 154 130		6	1.8	200	200	10	9	100	150	7	B8A	P
Z152	141 230 651		6	2	250	250	10	9.5	100	150	8	B8A	P
Z220	642 300 000	G2	2	2	200	200	10	7.4	100	100	6	B9A	P
Z220	642 350 000		2	7.5	150	150	15	2	100	100	2	B4	P
Z309	141 223 651		6	2	150	150	15	2	100	100	2	B5	P
Z319	141 321 655		6	2	250	250	20	15	No Data Available			B9A	P
Z329	141 230 651		7.3	2	350	250	12.5	11.5	No Data Available			B9A	P
Z359	141 230 651		12	1.9	200	175	10	8.8	100	100		B9A	P
Z719	141 230 651		6	2	250	250	20	15	100	100		B9A	P
Z729	501 236 014		6	2	200	175	10	7.4	100	150	6	B9A	P
Z749	141 230 651		6.3	1	250	100	2	1.8	100	100	1.8	B9A	P
Z759	141 023 651		6	1.9	200	175	10	9.2	No Data Available			B9A	P
ZD	892 310 000		13	2	250	250	15	15	100	100		B9A	P
ZD2	642 300 000		2	12			7	1	D			B5	DD
ZD17	208 564 300		1.4	1	150		7	1	100		1.2	B4	T
ZD25	2*8 564 300		1.4	1	90	90	2.7	0.6	80	90	0.6	B7G	DP
ZD152	541 236 891		6	1.5	60	60	0.2	0.2	No Data Available			B7G	DP
			6	2	250	90	5	2.2	100	90	2.2	B9A	DDP

# APPENDIX I.

## TEST DATA FOR TUNING INDICATORS

Tuning indicators are tested with the controls set according to the figures given in the table below; using the screen switch for obtaining the target voltage and inserting the anode load, as shown in column marked "Ra" by means of the link on the panel of the instrument. At the approximate bias given in the table the triode section should be at cut-off and the "eye" fully closed. On reducing the grid bias to zero the "eye" should open fully and the anode current should be approximately that given in the table. In the case of double sensitivity indicators giving multiple images corresponding to the different sensitivities, two sets of data (wherever possible) are given, the first set relating to the sensitive indication.

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					BASE
				Neg. Grid Volts.	Anode Volts	Target Volts	la mA	Ra MΩ	
1M1	4*0 230 060		1.4	34	250	0	0.09	2.2	B8D
1M3	4*0 230 060		1.4	23	200	0	0.1	1	B8D
2E5	264 513 000		2.5	8	250	250	0.2	1	A08
2G5	264 513 000		2.5	22	250	250	0.2		UX6
6AB5	264 513 000		6	15.5	150	150	0.13	1	UX6
6AD6	026 540 310		6	{ 3	150				} A08
6AF6	026 540 310		6	{ 50	150	150			
6AF7	026 457 310		6	{ 81	150	125			A08
6BR5	41* 23* 6*5		6	{ 4.5	200	200	0.16	1	} A08
6CD7	026 546 310		6	{ 15	200	200	0.15	1	
6E5	264 513 000		6	{ 14	200	200	0.4	0.5	B9A
6G5	264 513 000		6	{ 4.2	250	250		1	} A08
6H5	264 513 000		6	{ 12.5	250	250	1.0	1	
6M1	026 540 310		6	7.5	250	250	0.2	1	UX6
6M2	*25 456 310		6	22	250	250	0.2	1	UX6
6N5	264 513 000		6	22	250	250	0.2	1	UX6
6T5	264 513 000		6	22	250	250	0.2	1	UX6
6U5/6G5	264 513 000		6	22.5	250	250	0.2	1	A08
6X6	025 540 310		5	4	250	250	0.12	0.2	} A08
6ZE1	264 513 000		6.3	2	250	250	0.25	0.1	
10M1	026 540 310		18	15.3	150	150	0.2	1	UX6
10M2	2*6 456 130		12.6	22	250	250	0.2	1	UX6
12U5	264 513 000		12.6	22	250	250	0.2	1	UX6
41ME	023 104 560		4	5	250	250		1	8SC
63ME	026 540 310		6	22	250	250	0.3	1	A08
64ME	026 457 310		6	{ 16	250	250		1	} A08
65ME	41* 23* 6*5		6	{ 2.5	250	250		1	
1629	026 540 310		12.5	8	250	250	0.2	1	A08
4678	023 104 560		6	5	250	250	0.1	2	8SC
AC/ME	045 231 600		4	22	250	250	0.2	1	B7
AM1	023 104 560		4	5	250	250	0.1	2	8SC
DM21	026 540 030		1.4		90	90	0.03	2	A08
DM70	4*0 230 060		1.4	23	200	0	0.1	1	B8D
DM71	4*0 23* 060		1.4	23	200	0	0.1	1	B8D

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					BASE
				Neg. Grid Volts.	Anode Volts	Target Volts	Ia mA	Ra MΩ	
E130	026 540 310		6	15	250	250		1	A08
E1320	026 540 310		6	11	250	250	1		A08
EM1	023 104 560		6	5	250	250	0.1	2	8SC
EM3	023 104 560		6	18	200	200	0.2	1	8SC
FM4	023 164 560		6	{ 4.2 12.5	{ 200 200	{ 200 200		{ 1 1	{ 8SC
EM11	026 546 310		6	{ 5 16	{ 250 250	{ 250 250		{ 1 1	{ A08
EM31	026 540 310		6	5	250	250		2	A08
EM34	026 456 310		6	4.2	250	250		1	A08
EM35	026 540 310		6	12.5	250	250	1	1	A08
EM35	026 540 310		6	22	250	250		1	A08
EM71	251 064 130		6	20	250	250	0.5		B8B
EM80	41* 23* 6*5		6	14	250	250	0.4	0.5	B9A
EM81	41* 23* 6*5		6	10.5	250	250	0.4	0.5	B9A
EM84	4*1 235 6*6		6	22	250	250	0.5	0.5	B9A
EM87	4*1 235 6*6		6.3	14	250	250	1.1	1	B9A
EM840	4*1 235 6*6		6	22	250	250	0.5	0.5	B9A
FT4	026 540 310		4	6	250	250		1	A08
ME4S	023 104 560		4	5	250	250		2	8SC
ME6S	023 104 560		6	5	250	250		2	8SC
ME41	216 040 530		4	22.5	250	250	0.2	1	M08
ME91	216 040 530		9	17	150	150	0.2	1	M08
ME920	045 231 600		9	19	200	175	0.2	1	B7
PM5	206 546 130		6	{ 15 5	{ 200 200	{ 200 200		{ 1 1	{ A08
PM84	4*1 235 6*6		4.2	22	250	250	0.5	0.5	B9A
TK406	023 104 560		4	5	250	250	0.1	2	8SC
TV4	023 140 560		4	5	250	250		1	8SC
UM4	206 546 130		12.6	{ 4.2 12.5	{ 200 200	{ 200 200		{ 1 1	{ A08
UM11	206 546 130		15	{ 4.2 12.5	{ 200 200	{ 200 200		{ 1 1	{ A08
UM34	026 456 310		12.5	{ 4.2 12.5	{ 250 250	{ 250 250	1	1	A08
UM80	41* 23* 6*5		19	14	200	200	0.4	0.5	B9A
UM81	41* 23* 6*5		19	14	200	200	0.4	0.5	B9A
UM84	4*1 235 6*6		12.6	22	250	250	0.4	0.5	B9A
VFT4	026 540 310		4	20	250	250		1	A08
VME4	045 231 600		4	22	250	250		1	B7
VTF6	026 540 310		6	22	200	200	0.2	1	A08
Y25	4*0 320 060		1.4	34	250		0.09	2.2	B8A
Y61	026 540 310		6	22	250	250	0.2	1	A08
Y62	026 540 310		6	22	250	250		1	A08
Y63	026 540 310		6	22	250	250	0.2	1	A08
Y64	026 540 310		6	22	250	250		1	A08
Y65	026 540 310		6	11	250	250		1	A08

# APPENDIX II.

## Test Data for High Voltage Rectifiers.

The following procedure should be adopted when testing high voltage rectifiers.

Make insulation checks with valve cold and hot as stated in paragraphs 1 and 2 of the Abbreviated Working Instructions.

Then set Anode and *Screen* Voltage switches to their minimum value (i.e. 20) and Anode Current Controls to figure shown in Data column. With Circuit Selector set to TEST and Anode Selector at A<sub>1</sub> increase Anode Volts setting until indicating meter reads in a forward direction.

The setting of the Anode Voltage switch for a good valve should not exceed the figure given in column headed Anode Volts.

When checking full wave or voltage doubler rectifiers, check second Anode with Anode Selector at A<sub>2</sub>.

*NOTE* the valve should be heated to working temperature before setting Circuit Selector to position TEST and only left at this position for sufficient time to take a reading.

VALVE	SELECTOR SWITCH No.	T.C.	Vf.	Anode Volts (Max.)	Ia mA (Min.)	Valve Holder	Type	REMARKS
1B3	020 000 300	A1	1.25	200	6	A08	R	
1Z2	232 232 300	A1	1.4			B7G	R	
2V3	020 000 300	A1	2.5(3)			A08	R	
2V3G	020 000 300	A1	2.5(3)			A08	R	
2X2	200 300 000	A1	2.5(3)	100	10	UX4	R	
2Y2	200 300 000	A1	2.5	100	10	UX4	R	
3B24	320 200 000	A1	2.5	60	10	UX4	R	
6W2	230 000 000	A1	6	100	9	Ni1	R	
225DU	072 323 600		2	40	20	B7	RR	Test A1 & A2
405BU	672 300 000		4	40	20	B4	RR	Test A1 & A2
732A	230 300 000	A1	2.5	60	10	UX4	R	
879	200 300 000	A1	2.5	100	10	UX4	R	
1876	123 000 700		4			8SC	R	
1877	002 300 000	A1	4	100	10	B4	R	
8016	020 000 300	A1	1.25	200	6	A08	R	
CE230	320 200 000	A1	2.5	60	10	UX4	R	
EY51	230 000 000	A1	6	100	9	B3G	R	
HVR2	002 300 000	A1	4	100	10	B4	R	
HVR2A	002 300 000	A1	2(2.5)	100	10	B4	R	
R12	230 000 000	A1	6.3	100	9	B3G	R	
SU61	230 000 000	A1	6.3	100	9	B3G	R	
SU2150	002 300 000	A1	2(2.5)	60	4	B4	R	
SU2150A	002 300 000	A1	2	200	50	B4	R	
U17	002 300 000	A1	4	40	35	B4	R	
U19	002 300 000	A1	4(5)	40	70	B4	R	
U21	002 300 000	A1	2	60	4	B4	R	
U22	200 000 030	A1	2(3)	60	4	M08	R	
U23	002 300 000	A1	4(5)	40	100	B4	R	
U24	020 000 300	A1	2	20	0.5	A08	R	
U41	020 300 000	A1	1.25	200	6	A08	R	
U43	230 000 000	A1	6.3	100	9	Ni1	R	
U151	230 000 000	A1	6.3	100	9	Ni1	R	
V21/7000	002 300 000	A1	4	100	10	B4	R	
V960	002 300 000	A1	4	80	90	B4	R	
V1906	002 300 000	A1	4(5)	60	100	B4	R	
V1907	002 300 000	A1	4	150	70	B4	R	
V1913	002 300 000	A1	4(5)	40	100	B4	R	
V1920	002 300 000	A1	4(5)	100	90	B4	R	
VL51	002 300 000	A1	4	100	10	B4	R	
CV317	322 322 222	A1	4	60	80	B9G	R	
CV121	002 300 000	A1	4(5)	100	90	B4	R	

# APPENDIX III.

## Test Data for 'Service' Type Valves

### NOTES REFERRED TO IN THE REMARKS COLUMN.

- A The heater/cathode lead identified with red marking should be connected to Pin No. 1.
- B The grid top cap is situated over Pins No. 7 and 8.
- C This valve does not fit special valve holders supplied, and roller selector Data will depend on connections made to valve electrodes.
- D Pin No. 1 on the flat pinch type of base is the lead adjacent to the coloured blob the remaining pins being directly numbered across the base from Pin No. 1.
- E Alternative test figures are given for use when valve shows signs of back emission from anode to  $G_3$ . This phenomenon can be recognised by the anode current apparently decreasing as the valve heats.
- G Valves on the B8D base when leads are cut, should be tested either by insertion in a B8D Adaptor, or leads lengthened and tested in the same way as those with flexible leads, by using the special 9 clip valve holder.
- H Tests on tuning indicators should not be made until the resistor value ( $R_a$ ), indicated in the remarks column, has been inserted across the link(s) on valve panel
- J Use special 9 clip valve holder fitted to Valve Tester type 160

VALVE	SELECTOR SWITCH No.	T.C.	Vf.	Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Base	Type	REMARKS	Civ. Equiv.
CV16	234 000 000	A <sub>1</sub>	4	1	250		6	4.2	Disc seal	T	min slope See Note A	
CV53	234 000 000	A <sub>1</sub>	4	1	250		6	4.2	Disc seal	T	min slope See Note A	
CV82	234 000 000	A <sub>1</sub>	4	3	250		20	3.7	Disc seal	T	See Note A min slope	3A/141J
CV88	See Note C		6	0	250		4	5	Disc seal	T	See Note C	3A/148J
CV93	See Note C		1.4	0	20			0.7	Disc seal	T	See Note C	V625
CV105	020 000 030	D <sub>1</sub>	6				30		A08	R		
CV122	632 400 000		1.4	0	100			0.8	Special	T	See Note D	
CV132	412 361 500		6	1.8	250	100	6.3	2	B7G	H		
CV201	021 540 300	A <sub>1</sub>	(2.5)	10	250	150	25	3.3	A08	P		
CV229	623 400 000		1.4	0	100			0.8	Special	T	See Note D	
CV243	042 350 000		(5)	40	75	75	45	1.5	B5	P		4045A
CV273	346 000 000	H—	6	4	250		28	8.5	Disc seal	T		DET22
CV354	346 000 000	H—	6	2	250		10	6.5	Disc seal	T		
CV384	642 300 000		(5)	30	400		62	7.5	B4	T		DET5
CV1155	642 300 000		4	0	75		0.7	0.2	B4	T		
CV1223	642 300 000		(5)	30	400		62	7.5	B4	T		DET5
CV1508	002 300 000	A <sub>1</sub>	(5)	40	100				B4	R		
CV1584	642 310 000		4	3.5	200		5.4	3.1	B5	T		



VALVE	SELECTOR SWITCH No.	T.C.	Vf.	Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Base	Type	REMARKS	Civ. Equiv.
CV2000	412 361 500		6	2	250	250	10	7.5	B8D	P	See Notes J & E	
CV2001	412 361 500		6		200	150	4	6.4				
CV2002	412 360 500		6	1.5	250	250	10	7.5	B8D	P	See Notes J & E	
CV2003	412 360 500		6		200	150	4	6.4				
CV2004	192 310 800		6	13.5	250	250	16	2.6	Spec	P	See Note J	
CV2005	192 310 800		6	13.5	250	250	16	2.6	Spec	P	See Note J	
CV2007	741 226 413		6	8.5	250		10.5	2.2	Spec	RR	See Note J	
CV2008	412 300 600		6	2.2	150		10	8	Spec	TT	See Note J	
CV2009	412 314 600		6	1.5	250		10	8.5	Spec	T	See Note J	
CV2010	762 344 100		6	1	100		8.5	5.6	Spec	TT	See Note J	
CV2101	741 226 413		6	2	250		1.2	1.6	Spec	TT	See Note J	
CV2013	041 230 651		6	4.5	250	250	40	11	Spec	P	See Note J	
CV2014	601 235 144		6	7.5	250	250	45	7	Spec	P	See Note J	
CV2015	256 101 403		6	7	250	250	10	6	B9G	P	See Note J	
CV2016	741 226 413		6	2	250		10.5	5.5	Spec	TT	See Note J	
CV2017	412 361 500		6	4	200	200	5.8	3.5	Spec	P	See Note J	
CV2020	412 365 100		6	2	150	125	7.5	5	Spec	P	See Note J	
CV2021	902 308 100		6				30		Spec	R	See Note J	
CV2022	441 230 561		6	12.5	250	250	45	4.1	Spec	P	See Note J	
CV2023	412 361 500		6	2.5	250	200	8	2.5	Spec	P	See Note J	
CV2024	412 366 100		6	2	100		11	7	Spec	H	See Note J	
CV2025	412 361 500		6	2	250	250	10	7.5	Spec	P	See Note J	
CV2101	040 230 650		1.25		1.5	200	150	4				
CV2156	241 7 143		20	0	75	75	2	1	B8D	P	See Note J	
CV2204	346 000 000	H—	6	14	250	150	30	3.9	B9G	PP		
CV2207	346 000 000	H—	6	1	250		20	3	Disc seal	T	min slope	DET22
CV2231	*41 23* *51	A <sub>1</sub>	6	1	250		20	3	Disc seal	T	min slope	
CV2243	041 230 651		6	12.5	150	150	50	8.5	B9A	P		
CV2267	Not known		6	2	200	125	17	8.4	B9A	P		
CV2268	Not known		6	2	250	250	10	7.5	Spec	RR	See Note C	
CV2277	*41 23* 651		26.5	13	100	100	90	9.5	B9A	P	See Note C	
CV2838	Not known	A <sub>1</sub> G <sub>1</sub>	2		60			0.3	Special	T	See Note C	
CV4036	001 230 000	D <sub>1</sub>	6				120		B9A(F)	R		
CV4046	241 756 143		6	14	250	125	30	3.9	B9G	PP		
VU508	002 300 000	A <sub>1</sub>	(5)		40		100		B4	R		

# APPENDIX IV.

## Test Data for Russian Valves

VALVE	SELECTOR SWITCH No.	T.C.	Vf	DATA FOR VALVE CHARACTERISTIC METER & VALVE TESTER TYPE 160					DATA FOR AVO VALVE TESTER			BASE	TYPE
				Neg. Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
1K1П	265 024 300		1.2	0.5	60	40	1.7	.65	No Data Available			B7G	P
1Б1П	208 564 300		1.2	0	60	40	1.0	.25	No Data Available			B7G	DP
2П1П	264 536 200		1.2	3.5	60	60	2.8	0.9	No Data Available			B7G	P
6Б2П	452 368 100		6.3	1.5	250	100	6.5	2.0	100	100	2	B7G	DP
6K1П	412 365 100		6.3	3	250	100	6.7	1.85	100	100	1.9	B7G	P
6K4П	412 365 100		6.3	1.0	250	100	11	4.4	100	100	4.4	B7G	P
6Ж2П	412 365 100		6.3	2.2	125	125	7.5	5.2	100	100		B7G	P
6Ж1П	412 365 100		6.3	2.2	125	125	5.5	3.55	100	100		B7G	P
6Ж3П	412 365 100		6.3	2	250	150	7	5	100	100		B7G	P
6Ж4П	412 365 100		6.3	1	250	100	11	4.4	100	100	4	B7G	P
6Ж5А	412 365 100		6.3	2.0	250	100	10	9	100	100		B7G	P
Г837	205 411 300	A <sub>1</sub>	12.6	85	400		60	3.5	No Data Available			B7G	P
6C1П	612 364 100		6.3	7	250		6.3	2.2	100		2.2	B7G	T
6C2П	412 344 600		6.3	1.0	100		10	11	No Data Available			B7G	T
6H15П	672 344 100		6.3	2	100		8.5	5.6	100		5.6	B7G	TT
6H1П	641 237 410		6.3	4.8	250		8	4.3	100		8	B9A	T
6H2П	641 227 413		6.3	1.5	250		2.3	2	100		2	B9A	T
6X2П	182 310 900		6.3				5		D			B7G	RR
6П4П	802 310 900		6.3				30		REC			B7G	RR
6П2П	412 365 100		6.3	5.5	125	125	35	8	100	100	6	B7G	P
6П1П	651 236 415		6.3	12.5	250	250	45	4.5	100	PenLF	4	B9A	P

