

APPENDIX

1

APPENDIX 1

REPLACEABLE PARTS LIST

DIGITAL VOLTMETER, MODEL 26.268 AND DISPLAY UNIT, MODEL 554.048

This appendix provides operation and maintenance personnel with EAI part numbers for major sub-assembly components.

EAI maintains a complete stock of the replaceable parts listed on the following pages. However, since many components are industry standards, an A or B category is assigned to each component as follows:

Category "A" - Standard electronic items, usually available locally.

Category "B" - Proprietary items, order from EAI.

NOTE

If other than EAI supplied parts are used for Category B items, EAI cannot guarantee operation within published specifications.

ORDERING INFORMATION

Specify the EAI Series designation, Model Number and Serial Number, as well as a brief description with the EAI Part Number. EXAMPLE: EAI Series 1132, Model 5.99.0002, S/N 100, EAI Part Number 05 654 0001-0 (Switch S1).

Your cooperation in supplying the required information will speed the processing of your requests.

ELECTRONIC ASSOCIATES, INC.
INSTRUMENT DIVISION
PARTS SALES DEPT.
LONG BRANCH, NEW JERSEY - 07740
TEL: 201-229-4400, TWX: 510-239-9208

PLEASE NOTE THAT EAI RESERVES THE RIGHT TO MAKE PART
SUBSTITUTIONS WHEN REQUIRED. IN ALL CASES EAI GUARANTEES
THAT THESE SUBSTITUTIONS ARE ELECTRICALLY AND PHYSICALLY
COMPATIBLE WITH THE ORIGINAL COMPONENT.

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 DIGITAL VOLTMETER, MODEL 26.268 AND
 DISPLAY UNIT, MODEL 554.048

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ITEM	REF. DESIG.	DESCRIPTION	EAI NO.	*CAT.
1	C1,2,3,4	Capacitor, Fixed, Electrolytic: 2000 uf, 50V (P.R. Mallory Type WP #TS-17123 or equal)	00 516.0239-0	A
2	C5	Capacitor, Fixed, Electrolytic: 4000 uf, 15V (Sprague TVL-1173 or equal)	00 516.0044-0	A
3	C6	Capacitor	00 516.0253-0	B
4	C7	Capacitor, Fixed, Electrolytic: 200-200 uf, 250V (P.R. Mallory FR217.74 or equal)	00 516.0139-0	A
5	C8	Capacitor, Fixed, Ceramic: 1 nf +10%, 500V (Erie 801-000-X5U0-102K or equal)	00 515.0255-0	A
6	C10	Capacitor, Fixed, Ceramic: 2.7 nf, +10%, 150V (Cornell-Dubilier Type DYA10D27)	00 515.0007-0	A
7	C11	Capacitor, Fixed, Ceramic:	00 511.6225-4 (00 515.0240-0)	A
8	CR1,2	Diode:	00 614.0117-0	B
9	CR4	Bridge Rectifier (Diode Inc. BR-81A (3 Amp) or equal)	00 614.0207-0	A
10	F1,2	Fuse, Cartridge, Slow Acting: 3/4 Amp, 125V (Littelfuse 313.750 or equal)	00 570.0109-0	A
11	Q1 thru 7	Transistor: 2N3618	05 686.0001-0	A
12	R1-(1c2, 3,4)	Resistor, Precision: (Matched Set)	00 640.0122-0	B
13	R2	Resistor,	00 636.0421-0	B
14	R3	Resistor	00 636.0445-2	B
15	R4,5	Resistor	00 636.0445-1	B
16	R6	Resistor	00 636.0445-0	B
17	R7,8	Resistor, Fixed, Composition: 6.8 ohms +5%, 1W (Allen-Bradley GB or equal)	00 627.0689-0	A

*NOTE: THE CATEGORY COLUMN IS DESIGNED TO INDICATE AVAILABILITY OF PARTS.
A - INDICATES PARTS THAT SHOULD BE PURCHASED LOCALLY.
B - INDICATES PARTS THAT SHOULD BE PURCHASED FROM EAI.

UNIT TITLE TDVM (580/680)
(MAIN FRAME COMPONENTS
AND OPERATING EQUIPMENT)

MODEL NO.

0.26.268

Sh.1 of 2 Sh.

DATE 8 / 26 / 68

ITEM	REF. DESIG.	DESCRIPTION	EAI NO.	*CAT.
18	R9	Resistor, Fixed, Composition: 470 ohms $\pm 5\%$, 1/2W (Allen-Bradley CB or equal)	00 626.0471-0	A
19	R10	Resistor, Fixed, Film: 56K ohms $\pm 1\%$, 1/2W (Aerovox Type CPX-1/2 or equal)	00 634.0010-0	A
20	R11	Resistor, Fixed, Composition: 3.3K ohms $\pm 5\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0332-0	A
21	R12	Resistor, Fixed, Composition: 3.9 megohms $\pm 5\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0395-0	A
22	R13	Resistor	00 636.0423-1	B
23	T1	Transformer	05 684.0002-0	B
24	XQ1 thru 7	Socket, Transistor	00 650.0118-0	B
25		Connector, Receptacle	00 542.1019-0	B
26		Fuse, Cartridge (w/Pigtail Leads), Fast Acting: 1/8 Amp, 250V (Littelfuse 318.125 or equal) Used as F1 on 6.736-1 Reference Amplifier	00 570.0149-0	A
		MISCELLANEOUS NETWORK 0.51.174-1		
1		Connector, Receptacle: 50 Contacts: Female (Cannon Elect. Co. DD-50S or equal)	00 542.0103-0	A
		<u>PRINTED CIRCUIT MOUNTED RELAY 0.51.202</u>		
1	CR1	Diode	00 614.0199-0	B
2	K1	Relay	00 618.0286-0	B
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			MODEL NO. 0.26.268	
DATE 8 /26 /68			Sh. 2 of 2 Sh.	

ITEM	REF. DESIG.	DESCRIPTION	EAI NO.	*CAT.
1	C1,10	Capacitor	00 521.0133-0	B
2	C2,9,11,18	Capacitor, Fixed, Electrolytic: 1250 uf, 3V (Callins Type PSS or equal)	00 516.0184-0	A
3	C4,13	Capacitor, Fixed, Ceramic: 15 nf +20%, 500V (Sprague 29C388 or equal)	00 515.0140-0	A
4	C5,14	Capacitor, Fixed, Ceramic: 47 pf +10%, 1000V (Erie 831-000-X5F0-470K)	00 515.0017-0	A
5	C6,15,19, 20	Capacitor, Fixed, Ceramic: 1 nf +20%, 1000V (Sprague 40C214A/5GAD10 or equal)	00 515.0005-0	B
6	C7,15	Capacitor	00 521.0134-0	B
7	C8,17	Capacitor, Fixed, Electrolytic: 4.7 uf +10%, 35V (Sprague 150D or equal)	00 516.0246-0	A
8	C23,24	Capacitor, Fixed, Ceramic: 50 nf 500V (Sprague 33C17A or equal)	00 515.0144-0	A
9	CR1 thru 4, 9, 10	Diode	00 614.0199-0	B
10	CR5 thru 8 11,12, 400,401	Diode (ITT G187 or equal)	00 614.0043-0	A
11	D1	Chopper:	00 530.0042-0	B
12	DS1 thru 4	Resistor, Non-Linear, Indicating Type:	00 646.0062-1	B
13	Q1,2,9, 10	Transistor:	00 686.0207-0	B
14	Q3,4,11, 12	Transistor: 2N3644	00 686.0325-0	A
15	Q5,13	Transistor: 2N3567	00 686.0236-0	A
16	Q6,7, 15	Transistor:	00 686.0096-0	B

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UNIT TITLE

DUAL DC AMPLIFIER

MODEL NO.

0.6.463-5 Sh.1 of 3 Sh.

DATE 8 / 26 / 68

ITEM	REF. DESIG.	DESCRIPTION	EAI NO.	*CAT.
17	Q8,16	Transistor: 2N651	00 686.0185-0	A
18	Q17,18	Transistor:	00 686.0107-0	B
19	Q20,22	Transistor: 2N1308	00 686.0101-0	A
20	R1,27	Resistor, Fixed, Composition: 3.3 Megohms $\pm 10\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0335-0	A
21	R2,8,28, 31	Resistor, Fixed, Composition: 3.3K ohms $\pm 5\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0332-0	A
22	R4,36	Resistor, Fixed, Composition: 2.2K ohms $\pm 0\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0222-0	A
23	R5,29	Resistor, Fixed, Composition: 1.6K ohms $\pm 5\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0162-0	A
24	R6,37	Resistor, Fixed, Composition: 8.2K ohms $\pm 5\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0822-0	A
25	R7,30	Resistor, Fixed, Composition: 100 ohms $\pm 10\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0101-0	A
26	R10,33	Resistor, Fixed, Composition: 150K ohms $\pm 10\%$, 1/4W (Allen-Bradley CB or equal)	00 625.0154-0	A
27	R11,15,34, 39,53,54	Resistor, Fixed, Composition: 100K ohms $\pm 10\%$, 1/4W (Allen-Bradley CB or equal)	00 625.0104-0	A
28	R12,40	Resistor, Fixed, Composition: 220K $\pm 5\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0224-0	A
29	R13,41	Resistor, Fixed, Composition: 5.6K ohms $\pm 5\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0562-0	A
30	R14,38	Resistor, Fixed, Composition: 560K ohms $\pm 10\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0564-0	A

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UNIT TITLE

DUAL DC AMPLIFIER

MODEL NO.

0.6.463-5

Sh. 2 of 3 Sh.

DATE 8/ 26 / 68

ITEM	REF. DESIG.	DESCRIPTION	EAI NO.	*CAT.
31	R16,17, 46,48	Resistor, Fixed, Composition: 22K ohms $\pm 10\%$, 1/4W (Allen-Bradley CB or equal)	00 625.0223-0	A
32	R18,50	Resistor, Fixed, Composition: 3.9K ohms $\pm 10\%$, 1/4W (Allen-Bradley CB or equal)	00 625.0392-0	A
33	R21,22,42 43	Resistor, Fixed, Composition: 47K ohms $\pm 10\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0473-0	A
34	R23,45	Resistor, Fixed, Composition: 270K ohms $\pm 10\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0274-0	A
35	R25,26,51 52	Resistor, Fixed, Composition: 100K ohms $\pm 10\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0104-0	A
36	R57,58	Resistor, Fixed, Composition: 150 ohms $\pm 10\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0151-0	A
37	R59,60	Resistor, Fixed, Composition: 56K ohms $\pm 10\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0563-0	A
38	R61,62	Resistor, Fixed, Composition: 6.8 Megohms $\pm 10\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0476-0	A
39	XD1	Electron Tube Socket: 9 Pin	00 650.0075-0	B

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UNIT TITLE

DUAL DC AMPLIFIER

MODEL NO.

0,6,463-5

Sh. 3 of 3 Sh.

DATE 8/ 26 / 68

ITEM	REF. DESIG.	DESCRIPTION	EAI NO.	*CAT.
1	C1	Capacitor, Fixed, Electrolytic: 20 uf, 150V (Cornell-Dubilier BBR20-150 or equal)	00 516.0177-0	A
2	C2	Capacitor, Fixed, Electrolytic: 55 uf, 15V (Sprague 109D556C2015F2 or equal)	00 516.0188-0	A
3	C3,5	Capacitor, Fixed, Ceramic: 100 pf, $\pm 10\%$, 1000V (Sprague 40C200A or equal)	00 515.0019-0	A
4	C4,7,9,	Capacitor, Fixed, Ceramic: 10 nf, 150V (Sprague 19C385 or equal)	00 515.0151-0	A
5	C6	Capacitor, Fixed, Ceramic: 2.2 nf, 1000V (Cornell-Dubilier BYY601ZU222P or equal)	00 515.0006-0	A
6	C8	Capacitor, Fixed, Ceramic: 1 nf, 600V (Sprague 40C214A/5GAD10 or equal)	00 515.0005-0	A
7	C10	Capacitor, Fixed, Plastic: 1 uf, $\pm 20\%$, 200V (Hopkins 1P2MOE)	00 521.0056-0	A
8	C11	Capacitor, Fixed, Electrolytic: 4.7 uf, $\pm 20\%$, 35V (Sprague 150D or equal)	00 516.0266-0	B
9	C12,15,	Capacitor, Fixed, Electrolytic: 1250 uf, 3V (Callins Type PSS or equal)	00 516.0184-0	B
10	C13	Capacitor, Fixed, Ceramic: .05uf, $\pm 20\%$, 500V (Sprague 33C17A or equal)	00 515.0144-0	A
11	C14	Capacitor, Fixed, Electrolytic: 5 uf, 25V (Callins Type PSS or equal)	00 516.0182-0	A
12	CR1,2	Rectifier: 1N2071	00 614.0137-0	A
13	CR3	Diode: Zener: 1N759	00 614.0091-0	A
14	CR4,5	Diode:	00 614.0007-0	B

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UNIT TITLE

REFERENCE AMPLIFIER

MODEL NO.

0.6.736-1

Sh.1 of 4 Sh.

DATE 8 / 26 / 68

ITEM	REF. DESIG.	DESCRIPTION	EAI NO.	*CAT.
15	CR6	Diode: (ITT - G187 or equal)	00 614.0043-0	A
16	CR7	Diode: Zener (Motorola 3/4 - M47210 or equal)	00 614.0138-0	A
17	D1	Chopper: 6.3V, 60 cps SPDT, BBM Contacts (Airpax A-175 or equal)	00 530.0003-0	B
18	F1	Fuse, Cartridge (w/Pigtail Leads), Fast Acting: 1/8 Amp, 250V (Littel Fuse 318.125 or equal)	00 570.0149-0	A
19	Q1,2,4,10	Transistor: 2N652	00 686.0084-0	A
20	Q3,8,9	Transistor:	00 686.0032-0	B
21	Q5,6	Transistor: 2N321	00 686.0004-0	A
22	Q7	Transistor: 2N3618	05 686.0001-0	A
23	R1	Resistor, Fixed, Composition: 220 ohms $\pm 10\%$, 2W (Allen-Bradley HB or equal)	00 628.0221-0	A
24	R2,35	Resistor, Fixed, Composition: 22K ohms $\pm 10\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0223-0	A
25	R3,17	Resistor, Fixed, Composition: 2.7K ohms $\pm 10\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0272-0	A
26	R4	Resistor, Fixed, Composition: 27K ohms $\pm 10\%$, 1W (Allen-Bradley GB or equal)	00 627.0273-0	A
27	R5,8	Resistor, Fixed, Composition: 15K ohms $\pm 10\%$, 1W (Allen-Bradley GB or equal)	00 627.0153-0	A
28	R6	Resistor, Fixed, Composition: 1.2K ohms $\pm 10\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0122-0	A
29	R7	Resistor, Variable	00 642.0357-0	B

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UNIT TITLE

REFERENCE AMPLIFIER

MODEL NO.

0.6.736-1

Sh. 2 of 4 Sh.

DATE 8/ 26 / 68

ITEM	REF. DESIG.	DESCRIPTION	EAI NO.	*CAT.
30	R9	Resistor, Variable	00 642.0359-0	B
31	R10	Resistor, Fixed, Composition: 1K ohms $\pm 10\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0102-0	A
32	R11,26,39, 43	Resistor, Fixed, Composition: 68K ohms $\pm 10\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0683-0	A
33	R12	Resistor, Fixed, Composition: 3.3K ohms $\pm 10\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0332-0	A
34	R13,32,46, 47	Resistor, Fixed, Composition: 4.7K ohms $\pm 10\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0472-0	A
35	R14	Resistor, Fixed, Composition: 12K ohms $\pm 10\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0123-0	A
36	R15	Resistor, Fixed, Composition: 1.8K ohms $\pm 5\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0182-0	A
37	R16	Resistor, Fixed, Composition: 6.8K ohms $\pm 10\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0682-0	A
38	R18	Resistor, Fixed, Film: 15K ohms $\pm 1\%$, 1/2W (Int. Resistance Co. DCC or equal)	00 634.0295-0	A
39	R19	Resistor, Fixed, Composition: 1.8K ohms $\pm 10\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0182-0	A
40	R20	Resistor, Fixed, Composition: 1.2K ohms $\pm 10\%$, 1W (Allen-Bradley GB or equal)	00 627.0122-0	A
41	R21	Resistor, Fixed Film: 3.3K ohms $\pm 1\%$, 1/2W (Allen-Bradley EB or equal)	00 634.0293-0	A
42	R22	Resistor, Fixed, Composition: 51 ohms $\pm 5\%$, 1W (Allen-Bradley GB or equal)	00 627.0510-0	A

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UNIT TITLE

REFERENCE AMPLIFIER

MODEL NO.

0.6.736-1

DATE 8 / 26 / 68

Sh. 3 of 4 Sh.

ITEM	REF. DESIG.	DESCRIPTION	EAI NO.	*CAT.
43	R23	Resistor, Fixed, Film: 8.2K ohms $\pm 1\%$, 1/2W (Allen-Bradley EB or equal)	00 634.0294-0	A
44	R24,41	Resistor, Fixed, Film: 22K ohms $\pm 1\%$, 1/2W (Allen-Bradley EB or equal)	00 634.0296-0	A
45	R25	Resistor, Fixed, Composition: 33K ohms $\pm 10\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0333-0	A
46	R27	Resistor, Fixed, Composition: 100 ohms $\pm 10\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0101-0	A
47	R28	Resistor, Fixed, Precision:	00 638.0316-0	B
48	R29	Resistor, Variable	00 642.0354-0	B
49	R30	Resistor, Variable, Wirewound: 20 ohms $\pm 10\%$, 1W (Bourns Labs 260P-1-200 or equal)	00 642.0324-0	A
50	R31	Resistor, Precision:	00 638.0325-0	B
51	R34	Resistor, Fixed, Composition: 68 ohms $\pm 10\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0680-0	A
52	R36,40	Resistor, Fixed, Composition: 10 ohms $\pm 10\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0103-0	A
53	R37,42	Resistor, Fixed, Composition: 220 ohms $\pm 10\%$, 12 W (Allen-Bradley EB or equal)	00 626.0221-0	A
54	R38	Resistor, Fixed, Composition: 120K ohms $\pm 10\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0124-0	A
55	R45	Resistor, Fixed, Composition: 2.2K ohms $\pm 10\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0222-0	A

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UNIT TITLE

REFERENCE AMPLIFIER

MODEL NO.

0.6.736-1

Sh. 4 of 4 Sh.

DATE 8 / 26 / 68

ITEM	REF. DESIG.	DESCRIPTION	EAI NO.	*CAT.
1	C1	Capacitor, Fixed, Ceramic: 0.0047 ufd (Sprague 29C203A or equal)	00 515.0008-0	A
2	C2	Capacitor, Fixed, Ceramic: 1 nf +20%, 1000V (Sprague 40C214A/5GAD10 or equal)	00 515.0005-0	A
3	C3	Capacitor, Fixed, Ceramic: 330 pf +10%, 600V (Cornell-Dubilier JBZ601YP331K or equal)	00 515.0073-0	A
4	CR1,4	Diode: Zener	00 614.0118-0	B
5	CR2,3,6,8	Diode: (ITT - G187 or equal)	00 614.0043-0	A
6	CR5,7	Diode	00 614.0242-0	B
7	R4	Potentiometer	00 642.0353-0	B
8	R5	Resistor, Variable, Wirewound: 20 ohms +10%, 1/4W @70°C (Bourns Lab. 200P-1-200 or equal)	00 642.0312-0	A
9	R8	Resistor, Variable, Wirewound: 10 ohms +10%, 2W (Atohm Electronics 114-100 or equal)	00 642.0534-0	A
10	R10,11	Resistor, Variable	00 642.0359-0	B
11	R21,22	Resistor, Precision: (Matched Pair)	00 640.0043-0	B
12	R23,24	Resistor, Fixed, Composition: 12K ohms +5%, 1/2W (Allen-Bradley EB or equal)	00 626.0123-0	A
13	R26,27	Resistor, Fixed, Composition: 1K ohms +5%, 1/2W (Allen-Bradley EB or equal)	00 626.0102-0	A
14	R25	Resistor, Fixed, Composition: 56 ohms +5%, 1/2W (Allen-Bradley EB or equal)	00 626.0560-0	

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UNIT TITLE

MISCELLANEOUS NETWORK

MODEL NO.

0.12.937-5

Sh.1 of 1 Sh.

DATE 8 / 26 / 68

ITEM	REF. DESIG.	DESCRIPTION	EAI NO.	*CAT.
1	CR1,2,3	Rectifier	00 614.0193-0	B
2	CR4 thru 8	Bridge Rectifier, Silicon: 70V @1.5Amp (Motorola MDA 942-2 or equal)	00 614.0224-0	A
3	R2	Resistor, Fixed, Composition: 47 ohms $\pm 5\%$, 1W (Allen-Bradley GB or equal)	00 627.0470-0	A

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	MODEL NO. 0.12.1106 Sh. 1 of 1 Sh.

DATE 8 / 26 / 68

ITEM	REF. DESIG.	DESCRIPTION	EAI NO.	*CAT.
1	C1,3	Capacitor, Fixed, Ceramic: 560 pf, $\pm 10\%$, 500 VDC (Sprague 19C231A or equal)	00 515.0146-0	A
2	C2	Capacitor	00 521.1634-0	B
3	CR1	Diode: (Clevite CTP-462 or equal)	00 614.0043-0	A
4	Q1,2	Transistor: 2N1305	00 686.0077-0	A
5	R1	Resistor, Fixed, Composition: 10K, $\pm 5\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0103-0	A
6	R2	Resistor, Fixed, Composition: 5.6K, $\pm 5\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0562-0	A
7	R3	Resistor, Variable, Composition: 50K (Allen-Bradley EB or equal)	00 642.0816-0	B
8	R4,7	Resistor, Fixed, Composition: 3.3K, $\pm 5\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0332-0	A
9	R5	Resistor, Fixed, Composition: 100K, $\pm 5\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0104-0	A
10	R6	Resistor, Fixed, Composition: 15K, $\pm 5\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0153-0	A

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UNIT TITLE

CONVERSION DELAY NETWORK

MODEL NO.

0.12.1654

DATE 8 / 26 / 68

Sh. 1 of 1 Sh.

ITEM	REF. DESIG.	DESCRIPTION	EAI NO.	*CAT.
1	R1	Resistor, Precision	00 638.0460-0	B
2	R2	Resistor, Fixed, Film: 125 megohms $\pm 1\%$, 2W (Aerovox Type CPX-2 or equal)	00 634.0225-0	A
3	R3	Resistor, Fixed, Film: 2.5 megohms $\pm 0.5\%$, 1W (Int. Resistance Co. Type MEF-T-2 or equal)	00 634.0634-0	A
4	R4	Resistor, Fixed, Film: 25 megohms $\pm 1\%$, 2W (Aerovox Type CPX-2 or equal)	00 634.0189-0	A
5	R5	Resistor, Fixed, Film: 5 megohms $\pm 1\%$, 1W (Int. Resistance Co. Type MEF-T-2 or equal)	00 634.0635-0	A
6	R6	Resistor, Fixed, Film: 50 megohms $\pm 1\%$, 2W (Aerovox Type CPX-@ or equal)	00 634.0190-0	A
7	R7	Resistor, Fixed, Film: 10 megohms $\pm 1\%$, 1W (Aerovox Type CPX-1 or equal)	00 634.0053-0	A
8	R8	Resistor, Fixed, Film: 100 megohms $\pm 2\%$, 2W (Aerovox Type CPX-2 or equal)	00 634.0191-0	A
9	R9	Resistor, Precision	00 638.0452-0	B
10	R9p	Resistor, Variable, Wirewound: 50 ohms $\pm 10\%$, 1/2W @25°C (Bourns Lab. 3257P-1-500 or equal)	00 642.0764-0	A
11	R10	Resistor, Precision	00 638.0456-0	B
12	R10p, 15p	Resistor, Variable, Wirewound: 500 ohms $\pm 10\%$, 1/2W @25°C (Bourns Lab. 3257P-1-501 or equal)	00 642.0767-0	A
13	R11	Resistor, Precision	00 638.0453-0	B
14	R11p	Resistor, Variable Wirewound: 100 ohms $\pm 10\%$, 1/2W @25°C (Bourns Lab. 3257P-1-101 or equal)	00 642.0765-0	A
15	R12	Resistor, Precision	00 638.0457-0	B

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UNIT TITLE

SUMMING RESISTOR NETWORK

MODEL NO.

0.26.116-1 Sh.1 of 2 Sh.

DATE 8 / 26 / 68

ITEM	REF. DESIG.	DESCRIPTION	EAI NO.	*CAT.
16	R13	Resistor, Precision	00 638.0454-0	B
17	R13p	Resistor, Variable, Wirewound: 200 ohms $\pm 10\%$, 1/2W @25°C (Bourns Lab. 3257P-1-201 or equal)	00 642.0766-0	A
18	R14	Resistor, Precision	00 638.0458-0	B
19	R15	Resistor, Precision	00 638.0455-0	B
20	R16	Resistor, Precision	00 638.0459-0	B
21	R17 and 18	Resistor, Precision: (Matched Pair)	00 640.0071-0	B
22	R19	Resistor, Fixed, Composition: 12 megohms $\pm 5\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0126-0	A

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UNIT TITLE

SUMMING RESISTOR NETWORK

MODEL NO.

0.26.116-1

DATE 8 / 26 / 68

Sh. 2 of 2 Sh.

ITEM	REF. DESIG.	DESCRIPTION	EAI NO.	*CAT.
1	HR1,2	Heat Pad (Electro Flex Heat Inc. #1388 or equal)	00 646.0022-0	A
2	P1	Connector, Plug: 50 Contacts; Male (Cannon Elect. Co. DD-50P or equal)	00 542.0102-0	A
3	S1	Thermostat Switch	00 662.0018-0	B
<u>0.26.240 COMPARATOR AMPLIFIER</u>				
1	CR1,2	Diode: (Fairchild FD300 or equal)	00 614.0242-0	A
2	Q1,2	Transistor	00 686.0108-0	B
3	Q3,4,5,6	Transistor: 2N1309	00 686.0102-0	A
4	R1,2	Resistor, Fixed, Composition: 1.8K ohms $\pm 5\%$, 1/4W (Allen-Bradley CB or equal)	00 625.0182-0	A
5	R3	Resistor, Fixed, Composition: 2.7K ohms $\pm 5\%$, 1/4W (Allen-Bradley CB or equal)	00 625.0272-0	A
6	R4	Resistor, Fixed, Composition: 12K ohms $\pm 5\%$, 1/4W (Allen-Bradley CB or equal)	00 625.0123-0	A
7	R5	Resistor, Fixed, Composition: 15K ohms $\pm 5\%$, 1/4W (Allen-Bradley CB or equal)	00 625.0153-0	A
8	R6,7	Resistor, Fixed, Composition: 5.6K ohms $\pm 5\%$, 1/4W (Allen-Bradley CB or equal)	00 625.0562-0	A
9	R8	Resistor, Fised, Composition: 560 ohms $\pm 5\%$, 1/4W (Allen-Bradley CB or equal)	00 625.0561-0	A
10	R9	Resistor, Fixed, Composition: 750 ohms $\pm 5\%$, 1/4W (Allen-Bradley CB or equal)	00 625.0751-0	A
11	R10,11	Resistor, Fixed, Composition: 10K ohms $\pm 5\%$, 1/4W (Allen-Bradley CB or equal)	00 625.0103-0	A

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UNIT TITLE

COMPARATOR AND DIODE GATE

MODEL NO.

0.26.242

Sh. 1 of 2 Sh.

DATE 8/26/68

ITEM	REF. DESIG.	DESCRIPTION	EAI NO.	*CAT.
12	R12	Resistor, Fixed, Composition: 330 ohms $\pm 5\%$, 1/4W (Allen-Bradley CB or equal)	00 625.0331-0	A
13	R13	Resistor, Fixed, Composition: 27K ohms $\pm 5\%$, 1/4W (Allen-Bradley CB or equal)	00 625.0273-0	A
14	R14,15	Resistor, Fixed, Composition: 100K ohms $\pm 5\%$, 1/4W (Allen-Bradley CB or equal)	00 625.0104-0	A
1	CR1 thru 32	<p style="text-align: center;"><u>0.26.244 DIODE GATE DB³</u></p> Diode: (Fairchild FD300 or equal)	00 614.0242-0	A

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UNIT TITLE

COMPARATOR AND DIODE GATE

MODEL NO.

0.26.242

Sh. 2 of 2 Sh.

DATE 8 / 26 / 68

ITEM	REF. DESIG.	DESCRIPTION	EAI NO.	*CAT.
1	C1	Capacitor, Fixed, Ceramic: 1 nf $\pm 20\%$, 1000V (Cornell-Dubilier BYZ601ZU102M or equal)	00 515.0005-0	A
2 2	CR1-(1,2, 3,4) thru CR6-(1,2, 3,4), CR7 11,12,16, 17,22, thru 31, 34,35,36, 37,41,42, 43,44,47, 48,49,50, 53,56 thru 62	Diode: (ITT - G187 or equal)	00 614.0043-0	A
3	NW1-(1,2, 3,4)	Circuit Module: Flip-Flop	00 592.0001-0	B
4	NW2-(1,2, 3,4)	Circuit Module: Trigger	00 592.0002-0	B
5	NW3-(1,2, 3,4)	Circuit Module: Differentiating	00 592.0003-0	B
6	Q1-(1,2) thru Q4-(1,2)	Transistor: 2N1305	00 686.0077-0	A
7	Q9 thru 18	Transistor: 2N321	00 686.0004-0	A
8	R6 thru 13, 15,17	Resistor, Fixed, Composition: 1.5K ohms $\pm 5\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0152-0	A
9	R20	Resistor, Fixed, Wirewound: 4.7 ohms $\pm 10\%$, 2W (Int. Resistance Co. BWH or equal)	00 626.0143-0	A
10	R21	Resistor, Fixed, Composition: 10K ohms $\pm 5\%$, 1/2W (Allen-Bradley EB or equal)	00 636.0103-0	A
11	R22,23	Resistor, Fixed, Composition: 18K ohms $\pm 5\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0183-0	A

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UNIT TITLE

BCD-DECIMAL DECODING MATRIX/
COUNTER

MODEL NO.

0.38.032

Sh. 1 of 1 Sh.

DATE 8 / 26 / 68

ITEM	REF. DESIG.	DESCRIPTION	EAI NO.	*CAT.
1	C1	Capacitor, Fixed, Ceramic: 1 nf <u>+20%</u> , 100OV (Cornell-Dubilier BYA10D1M or equal)	00 515.0005-0	A
2	CR1-(1,2, 3,4) thru CR6-(1,2, 3,4), CR7 thru 63	Diode (ITT - G187 or equal)	00 614.0043-0	A
3	NW1-(1,2, 3,4)	Circuit Module: Flip-Flop	00 592.0001-0	B
4	NW2-(1,2, 3,4)	Circuit Module: Trigger	00 592.0002-0	B
5	NW3-(1,2, 3,4)	Circuit Module: Differentiating	00 592.0003-0	B
6	Q1-(1,2,) thru Q4- (1,2), Q5, 6	Transistor: 2N1305	00 686.0077-0	A
7	Q7 thru 18	Transistor: 2N321	00 686.0004-0	A
8	R1,3,24, 25	Resistor, Fixed, Composition: 3.3K ohms <u>+5%</u> , 1/2W (Allen-Bradley EB or equal)	00 626.0332-0	A
9	R2	Resistor, Fixed, Composition: 10K ohms <u>+5%</u> , 1/2W (Allen-Bradley EB or equal)	00 626.0103-0	A
10	R5 thru 17	Resistor, Fixed, Composition: 1.5K ohms <u>+5%</u> , 1/2W (Allen-Bradley EB or equal)	00 626.0152-0	A
11	R19	Resistor, Fixed, Composition: 1.2K ohms <u>+5%</u> , 1/2W (Allen-Bradley EB or equal)	00 626.0122-0	A
12	R20	Resistor, Fixed, Wirewound 2.7 ohms <u>+10%</u> , 2W (Int. Resistance Co. BWH or equal)	00 636.0137-0	A
13	R22,23	Resistor, Fixed, Composition: 18K ohms <u>+5%</u> , 1/2W (Allen-Bradley EB or equal)	00 626.0183-0	A

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UNIT TITLE
BCD-DECIMAL DECODING
MATRIX/COUNTER

MODEL NO.

0.38.032-1

Sh. 1 of 2 Sh.

DATE 8/ 26 / 68

ITEM	REF. DESIG.	DESCRIPTION	EAI NO.	*CAT.
14	R26	Resistor, Fixed, Composition: 5.6K ohms <u>+5%</u> , 1/2W (Allen-Bradley EB or equal)	00 626.0562-0	A
15	R27,29	Resistor, Fixed, Composition: 56K ohms <u>+5%</u> , 1/2W (Allen-Bradley EB or equal)	00 626.0563-0	A
16	R28	Resistor, Fixed, Composition: 12K ohms <u>+5%</u> , 1/2W (Allen-Bradley EB or equal)	00 626.0123-0	A

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UNIT TITLE

BCD-DECIMAL DECODING
MATRIX/COUNTER

MODEL NO.

0.38.032-1 Sh. 2 of 2 Sh.

DATE 8 / 26 / 68

ITEM	REF. DESIG.	DESCRIPTION	EAI NO.	*CAT.
1	C1,5,9,13	Capacitor, Fixed, Electrolytic: 100 uf, 25V (Sprague TE-1211 or equal)	00 516.0145-0	A
2	C2,6,10,14	Capacitor, Fixed, Ceramic: 10 nf $\pm 20\%$, 500V (Sprague 29C9B6 or equal)	00 515.0139-0	A
3	C3,7,11,15	Capacitor	00 516.0182-0	B
4	C4,8,12,16	Capacitor, Fixed, Electrolytic: 50 uf, 25V (Sprague TE-1209 or equal)	00 516.0149-0	A
5	CR1,4,6,8	Diode (ITT-G187 or equal)	00 614.0043-0	A
6	CR2,5,7	Diode: Zener: 1N759	00 614.0091-0	A
7	CR3	Diode: Zener: 1N3024B	00 614.0215-0	A
8	CR9	Diode: Zener: 1N766A	00 614.0131-0	A
9	CR11	Diode: Zener: 1N4737A	00 614.0454-0	A
10	Q1,4,7,10	Transistor: 2N1039	00 686.0045-0	A
11	Q2,5,8,11	Transistor: 2N652	00 686.0084-0	A
12	Q3,6,9,12	Transistor: 2N377	00 686.0017-0	A
13	R1,13,25	Resistor, Fixed, Composition: 330 ohms $\pm 5\%$, 1W (Allen-Bradley GB or equal)	00 627.0331-0	A
14	R2,14,26 38	Resistor, Fixed, Composition: 100 ohms $\pm 5\%$, 1W (Allen-Bradley GB or equal)	00 627.0101-0	A
15	R3,15,27	Resistor, Fixed, Composition: 390 ohms $\pm 5\%$, 1W (Allen-Bradley GB or equal)	00 627.0391-0	A
16	R4,16,28	Resistor, Fixed, Composition: 1.2K ohms $\pm 5\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0122-0	A
17	R5,7,17,19 29,31,41, 43,12,24, 36,48	Resistor, Fixed, Composition: 1K ohms $\pm 5\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0102-0	A

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UNIT TITLE

POWER SUPPLY REGULATOR

MODEL NO.

0.43.141

Sh. 1 of 2 Sh.

DATE 8 / 26 / 68

ITEM	REF. DESIG.	DESCRIPTION	EAI NO.	*CAT.
18	R6,18,30 42,45	Resistor, Fixed, Composition: 330 ohms $\pm 5\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0331-0	A
19	R8,21,32, 44	Resistor, Fixed, Composition: 5.6K ohms $\pm 5\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0562-0	A
20	R11,23,35 47	Resistor, Fixed, Composition: 560 ohms $\pm 5\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0561-0	A
21	R9,10,20 22,33,34	Potentiometer	00 642.0355-0	B
22	R37	Resistor, Fixed, Composition: 180 ohms $\pm 5\%$, 1W (Allen-Bradley GB or equal)	00 627.0181-0	A
23	R39	Resistor, Fixed, Composition: 200 ohms $\pm 5\%$, 2W (Allen-Bradley HB or equal)	00 628.0201-0	A
24	R40	Resistor, Fixed, Composition: 820 ohms $\pm 5\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0821-0	A
25	R46	Resistor, Fixed, Composition: 150 ohms $\pm 5\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0151-0	A
26	R50	Resistor, Fixed, Composition: 120 ohms $\pm 5\%$, 2W (Allen-Bradley HB or equal)	00 628.0121-0	A
27	R51	Resistor, Fixed, Composition: 120 ohms $\pm 5\%$, 1W (Allen-Bradley GB or equal)	00 627.0121-0	A

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UNIT TITLE

POWER SUPPLY REGULATOR

MODEL NO.

0.43.141

Sh. 2 of 2 Sh.

DATE 8 / 26 / 68

ITEM	REF. DESIG.	DESCRIPTION	EAI NO.	*CAT.
1	C1,2,4,6, 8 thru 12, 19,20	Capacitor, Fixed, Ceramic: 560 pf $\pm 20\%$, 600V (Cornell-Dubilier JBZ601YP561K or equal)	00 515.0146-0	A
2	C3	Capacitor, Fixed, Ceramic: 1.8 nf $\pm 10\%$, 150V (Glenco Corp. HC-150-Y-1800-K or equal)	00 515.0215-0	A
3	C5,21,24	Capacitor, Fixed, Ceramic: 10 nf $\pm 20\%$, 1000V (Cornell-Dubilier BYV102ZU103M or equal)	00 515.0009-0	A
4	C7	Capacitor, Fixed, Ceramic: 680 pf $\pm 20\%$, 1000V (Cornell-Dubilier JBY601YP681K or equal)	00 515.0074-0	A
5	C13	Capacitor, Fixed, Electrolytic: 4.7 uf $\pm 10\%$, 35V (Sprague 150D475X9035B2 or equal)	00 516.0246-0	A
6	C14,15	Capacitor, Fixed, Ceramic: 1 nf $\pm 20\%$, 1000V (Cornell-Dubilier BYZ601ZU102M or equal)	00 515.0005-0	A
7	C16	Capacitor, Fixed, Ceramic: 220 pf $\pm 10\%$, 1000V (Sprague 40C204A or equal)	00 515.0020-0	A
8	C17	Capacitor, Fixed, Electrolytic: 47MFD $\pm 20\%$, 35V (Sprague 150D or equal)	00 517.1476-4 (00 516.0269-0)	A
9	C22	Capacitor, Fixed, Ceramic: 5.6 nf $\pm 20\%$, 2000V (Erie Resistor 848-2KV-Z5U-562M or equal)	00 515.0186-0	A
10	C23	Capacitor, Fixed, Electrolytic: 1.5 uf $\pm 20\%$, 35V (Sprague 150D155X0035B2 or equal)	00 517.1155-4 (00 516.0310-0)	A
11	CR1 thru 27, 29 thru 32, 34	Diode: (ITT - G187 or equal)	00 614.0043-0	A
12	CR28,33	Diode:	00 614.0007-0	B
13	Q1-(1,2) thru Q5- (1,2), Q8, 9	Transistor: 2N1305	00 686.0077-0	A

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UNIT TITLE

PROGRAMMER

MODEL NO.

0.44.302-1

Sh.1 of 3 Sh.

DATE 8 / 26 / 68

ITEM	REF. DESIG.	DESCRIPTION	EAI NO.	*CAT.
14	Q6	Transistor: 2N1008B	00 686.0022-0	A
15	Q10	Silicon Controlled Switch (General Electric 4JX-13A565 or equal)	00 648.0014-0	A
16	Q11,14	Transistor: 2N1309	00 686.0102-0	A
17	Q12,13	Transistor: 2N2160	00 686.0172-0	A
18	Q15,16	Transistor: 2N321	00 686.0004-0	A
19	R1	Resistor, Fixed, Composition: 18K ohms $\pm 5\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0183-0	A
20	R2,3,4,5, 8,9,11,12, 17,18,20	Resistor, Fixed, Composition: 12K ohms $\pm 5\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0123-0	A
21	R6,7,24, 25,27,28	Resistor, Fixed, Composition: 10K ohms $\pm 5\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0103-0	A
22	R10	Resistor, Fixed, Composition: 39K ohms $\pm 5\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0393-0	A
23	R13,38	Resistor, Fixed, Composition: 1K ohms $\pm 5\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0102-0	A
24	R15	Resistor,,Fixed, Composition: 3.9K ohms $\pm 5\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0392-0	A
25	R16,19,21	Resistor, Fixed, Composition: 47K ohms $\pm 5\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0473-0	A
26	R26,30	Resistor, Fixed, Composition: 2.2K ohms $\pm 5\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0222-0	A
27	R29	Resistor, Fixed, Composition: 68K ohms $\pm 5\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0683-0	A
28	R31	Resistor, Fixed, Composition: 5.6K ohms $\pm 5\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0562-0	A

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UNIT TITLE

PROGRAMMER

MODEL NO.

0.44.302-1

Sh. 2 of 3 Sh.

DATE 8 / 27 / 68

ITEM	REF. DESIG.	DESCRIPTION	EAI NO.	*CAT.
29	R32	Resistor, Fixed, Composition: 1.2K ohms $\pm 5\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0122-0	A
30	R35,43	Resistor, Fixed, Composition: 3.3K ohms $\pm 5\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0332-0	A
31	R36,42	Resistor, Fixed, Composition: 82K ohms $\pm 5\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0823-0	A
32	R39	Resistor, Fixed, Composition: 33K ohms $\pm 5\%$, 1/2W (Value may be changed at time of manufacture) (Allen-Bradley EB or equal)	00 626.0333-0	A
33	R40	Resistor, Fixed, Composition: 22K ohms $\pm 5\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0223-0	A
34	R41	Resistor, Fixed, Composition: 2.7K ohms $\pm 5\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0272-0	A
35	R44	Resistor, Fixed, Composition: 200K ohms $\pm 5\%$, 1/2W (Value may be changed at time of manufacture) (Allen-Bradley EB or equal)	00 626.0204-0	A
36	R45,46	Resistor, Fixed, Composition: 1.8K ohms $\pm 5\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0182-0	A
37	R47,49	Resistor, Fixed, Composition: 9.1K ohms $\pm 5\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0912-0	A
38	R48	Resistor, Fixed, Composition: 20K ohms $\pm 5\%$, 1/2W (Allen-Bradley EB or equal)	00 626.0203-0	A
39		Circuit Module: Flip-Flop	00 592.0001-0	B

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UNIT TITLE
PROGRAMMER
MODEL NO.
0.44.302-1

DATE 8 / 27 / 68

Sh. 3 of 3 Sh.

ITEM	REF. DESIG.	DESCRIPTION	EAI NO.	*CAT.
1	P1-(A,B,C)	Connector Module (Mates W/J1 on TDVM chassis)	00 542.1243-0	B
2		Digital Display Indicator (Uses Lamp #47:6.3V, 0.15A)	00 554.0048-0 00 578.0003-0	B A

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 B - INDICATES PARTS THAT SHOULD BE PURCHASED FROM EAI.

UNIT TITLE
 READOUT DISPLAY MODULE

MODEL NO.
 0.554.048

DATE 8 / 26 / 68

Sh. 1 of 1 Sh.