



Rockwell
International

parts list

Collins Defense Communications

523-0769216-002218

2nd Edition, 1 March 1981

851S-1 Receiver

Printed in USA

list of illustrations

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NOTICE: This section replaces first edition dated 1 January 1979.

parts list

1. INTRODUCTION

1.1 General

The purpose of this parts list, prepared by Collins Defense Communications, Rockwell International, is for identification, requisition, and issuance of parts.

Parts listed meet critical equipment design specification requirements. Use only part numbers specified in this parts list for replacement of parts.

1.2 Group Assembly Parts List

FIG-ITEM Column — Digits preceding the dash refer to figure numbers. Digits following the dash are item numbers assigned in sequence to correspond with item numbers on the illustrations.

PART NO Column — Listed are MIL standard, vendor, or Collins part numbers. Collins part numbering system consists of 10 digits as follows: a 3-digit family number, a 4-digit serial number, and a 3-digit dash number.

INDENT Column — Items are coded 1, 2, 3, etc, to indicate the relationship to the next higher assembly.

DESCRIPTION Column — Listed are the noun name, modifier, descriptive information, federal manufacturer's code, reference designation, attaching part (AP), reference to other figures, and effectivities.

Attaching parts are identified by (AP) following the part or parts they attach.

Effectivities are identified by the following methods: MCN (Manufacturer Control Number) 101 and up; CI (Configuration Identifier) 5-digit number; REV (Revision Identifier) dash (—) denotes original, letter A first change, letter B second change, etc. One of the above identifiers is listed on each chassis and/or replaceable assembly. Service Bulletins are identified by SB 1, SB 2, etc.

UNITS PER ASSY Column — Quantities specified are per item number. Letters AR denote the selection of parts as required. Letters REF refer to an assembly completely assembled on a preceding figure and illustration.

USABLE ON CODE Column — Part variations within a group of equipment are indicated by a letter code (A, B, C, etc). Absence of a code indicates part applies to all models.

1.3 Numerical Index

PART NUMBER Column — Part numbers are listed in alphanumeric sequence.

FIG-ITEM Column — Digits preceding the dash refer to figure numbers. Digits following the dash are item numbers.

TTL REQ Column — Listed is the total quantity of parts or assemblies covered in the Group Assembly Parts List.

1.4 Reference Designation Index

REFERENCE DESIGNATION Column — Reference designations are listed in alphanumeric sequence.

FIG-ITEM Column — Digits preceding the dash refer to figure numbers. Digits following the dash are item numbers.

PART NUMBER Column — Part numbers listed are for items that have reference designations assigned.

1.5 How To Use This Parts List

To locate a part number if the assembly in which the part is used is known, turn to the List of Illustrations and find the page number for the assembly in which the part is used. Locate the part and its index number on the illustration and find the index number on the Group Assembly Parts List page to determine its description and part number.

To locate the illustration for a part if the part number is known, refer to the Numerical Index and find the part number. Turn to the Group Assembly Parts List and find the first figure and index number indicated in the Numerical Index for that part. If this figure shows the part in a section or system of the equipment other than the one desired, refer to the other figure numbers listed in the Numerical Index.

To locate the illustration for a part if the reference designation is known, refer to the Reference Designation Index and find the symbol; turn to the Group Assembly Parts List and find the figure and index number indicated in the index.

1.6 Electrostatic Sensitive Devices

This equipment contains electrostatic devices (ESDS). Special handling methods and materials must be utilized to prevent equipment damage. Refer to the applicable maintenance section for this equipment before assembly/disassembly or repair is performed.



1.7 851S-1 Receiver Configurations

Note

622-4272-008 and 622-4272-009 are Base Receiver Assemblies for -010 series 851S-1 Receivers. The 622-4272-009 is the Standard Base Receiver and may be used with a Remote Control (if AC-8090 Remote Control Kit is installed). The 622-4272-008 is a Base Receiver with Presets installed and it cannot be used with a Remote Control. Using these Base Receivers, the different configurations of the -010 Series 851S-1 Receiver are assembled by adding several of the kits listed.

One of each of the AC-85101, AC-85104, AC-85106, and AC-85108 Kits must be installed to have an operational -010 Series 851S-1 Receiver. The configuration of these kits and any additional kits are a customers option. Refer to -010 Series 851S-1 Receiver Supplement, Part Number 523-0769556, in this Instruction Book for complement of current 851S-1 Receiver configurations.

1.8 Manufacturer's Code, Name, and Address

CODE	MANUFACTURER'S NAME AND ADDRESS
00779	AMP INC P O BOX 3608 HARRISBURG PA 17105
01121	ALLEN-BRADLEY CO 1201 SOUTH 2ND ST MILWAUKEE WI 53204
03508	GENERAL ELECTRIC CO SEMI-CONDUCTOR PRODUCTS DEPT W GENESEE ST AUBURN NY 13021
05574	VIKING INDUSTRIES INC DATACON DIV 21001 NORDHOFF ST CHATSWORTH CA 91311
09353	C AND K COMPONENTS INC 103 MORSE STREET WATERTOWN MA 02172
12294	ERIE TECHNOLOGICAL PRODUCTS OF CANADA LTD 5 FRASER AVE TRENTON ONTARIO CAN K8V 5S1
12998	QUALITY NAME PLATE INC MILL ROAD EAST GLASTONBURY CT 06025
13499	ROCKWELL INTERNATIONAL CORPORATION DEFENSE ELECTRONICS OPERATIONS COLLINS DEFENSE COMMUNICATIONS 350 COLLINS ROAD NE CEDAR RAPIDS, IA 52498
14208	MINNEAPOLIS SPEAKER CO 3806 GRAND AVE S MINNEAPOLIS MN 55409
18677	SCANBE MFG CO 3445 FLETCHER AVE EL MONTE CA 91731
27478	HARBOUR INDUSTRIES INC WIRE DIVISION P O BOX 188 SHELBURNE VT 05482
28520	HEYMAN MANUFACTURING CO 147 MICHIGAN AVE KENILWORTH NJ 07033
31918	ITT SCHADOW INC 8081 WALLACE RD EDEN PRAIRIE MN 55343
56289	SPRAGUE ELECTRIC CO NORTH ADAMS MA 01247
65092	WESTON INSTRUMENTS DIV SANGAMO WESTON INC 614 FRELINGHUYSEN AVE NEWARK NJ 07114
70276	ALLEN MFG CO P O DRAWER 570 HARTFORD CT 06101
70903	BELDEN CORP 2000 S BATAVIA AVE GENEVA IL 60134

<u>CODE</u>	<u>MANUFACTURER'S NAME AND ADDRESS</u>
71400	BUSSMANN MFG DIV MCGRAW-EDISON CO 502 EARTH CITY PLAZA P O BOX 14460 ST LOUIS MO 63178
71468	ITT CANNON ELECTRIC DIV INTERNATIONAL TELEPHONE AND TELEGRAPH CO 666 E DYER RD SANTA ANA CA 92702
71590	GLOBE-UNION INC CENTRALAB ELECTRONICS DIV HWY 20 W P O BOX 858 FORT DODGE IA 50501
71785	TRW CINCH CONNECTORS 1501 MORSE AVE ELK GROVE VILLAGE IL 60007
72606	GASKET MFG CO 18001 S MAIN ST GARDENA CA 90248
74970	JOHNSON E F CO 299 10TH AVE S W WASECA MN 56093
75037	MINNESOTA MINING AND MFG CO ELECTRO PRODUCTS DIV 3M CENTER ST PAUL MN 55101
75382	KULKA ELECTRIC CORP 633-643 S FULTON AVE MT VERNON NY 10550
76854	OAK INDUSTRIES INC SWITCH DIV 100 S MAIN ST CRYSTAL LAKE IL 60014
77147	PATTON-MACGUYER CO DIV OF AVID CORP 17 VIRGINIA AVE PROVIDENCE RI 02905
77250	PHEOLL MFG CO DIV OF ALLIED PRODUCTS CORP 5700 W ROOSEVELT RD CHICAGO IL 60650
77969	RUBBERCRAFT CORP OF CALIF LTD 1800 W 220TH ST TORRANCE CA 90507
78189	ILLINOIS TOOL WORKS INC SHAKEPROOF DIVISION ST CHARLES ROAD ELGIN IL 60120
79807	WROUGHT WASHER MFG INC 2100 S O BAY ST MILWAUKEE WI 53207
79963	ZIERICK MFG CO RADIO CIRCLE MT KISCO NY 10549

<u>CODE</u>	<u>MANUFACTURER'S NAME AND ADDRESS</u>
81349	MILITARY SPECIFICATION
86797	ROGAN CORP 3455 WOODHEAD DR NORTHBROOK IL 60062
91314	LEWIS SPRING AND MFG CO 2652 W NORTH AVE CHICAGO IL 60647
93790	CORNELL-DUBILIER ELECTRONICS DIV FEDERAL PACIFIC ELECTRIC CO 1605 RODNEY FRENCH BLVD NEW BEDFORD MA 02741
94375	AUTOMATIC CONNECTOR INC 400 MORELAND RD COMMACK NY 11725
96906	MILITARY STANDARD
98291	SEAELECTRO CORP 225 HOYT MAMARONECK NY 10544

1.9 Usable on Codes

The following usable on codes have been assigned in this manual:

<u>USABLE ON CODE</u>	<u>UNIT PART NUMBER</u>	<u>FIG- ITEM</u>
A	622-4272-008	1-
B	622-4272-009	1-

1.10 Reference Designation Prefixes

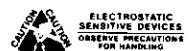
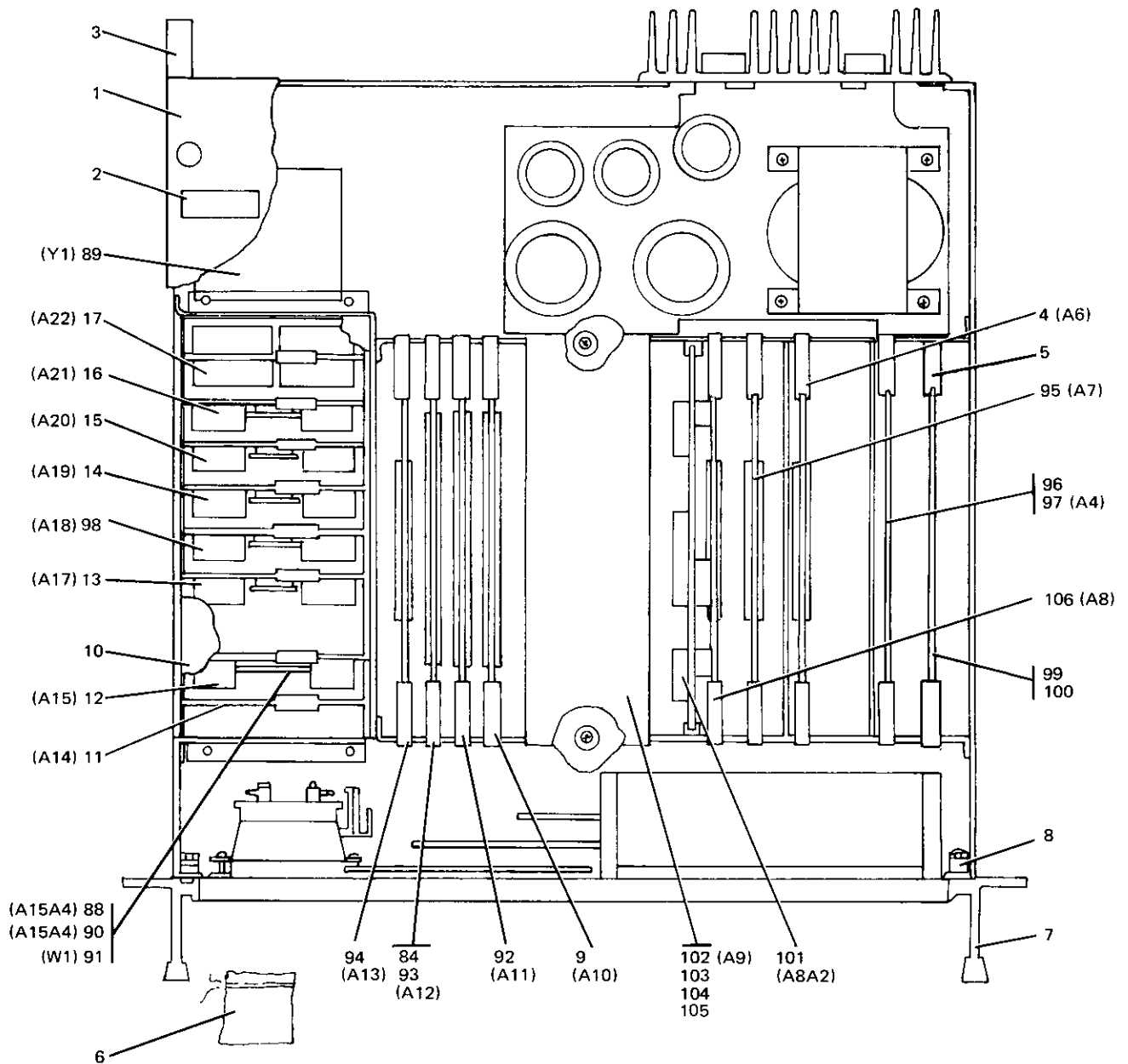
<u>PREFIX</u>	<u>UNIT PART NUMBER</u>	<u>FIG- ITEM</u>
A1	635-9649-001	1-67
A2	637-3758-004	2-
A2	637-3758-005	2-
A2A1	635-0825-010	2-32
A2A2	638-6060-001	3-
A2A2	638-6060-002	3-
A3	642-3224-001	1-99
A3	637-3796-001	1-100
A4	638-6067-001	1-96
A4	637-3796-001	1-97
A6	635-0748-001	1-4
A7	637-2647-XXX	1-95
A8	637-2650-XXX	1-106
A8A2	637-2515-XXX	1-101
A9	637-3757-001	1-102
A9	637-1767-002	1-103

<u>PREFIX</u>	<u>UNIT PART NUMBER</u>	<u>FIG- ITEM</u>
A9	637-1767-001	1-104
A9	637-1767-005	1-105
A10	638-6065-001	1-9
A11	635-0751-002	1-92
A12	646-5388-001	1-84
A12	635-0752-002	1-93
A13	635-0742-001	1-94
A14	635-0656-001	1-11
A15	623-2085-001	1-12
A15A4	635-0655-001	1-88/1-90
A17	635-0657-001	1-13
A18	623-2080-004	1-98
A19	623-2080-003	1-14
A20	623-2080-002	1-15
A21	623-2080-001	1-16
A22	635-4930-002	1-17
A23	635-9697-001	4-
A23A1	635-0696-001	5-

1.11 Configuration Identifiers

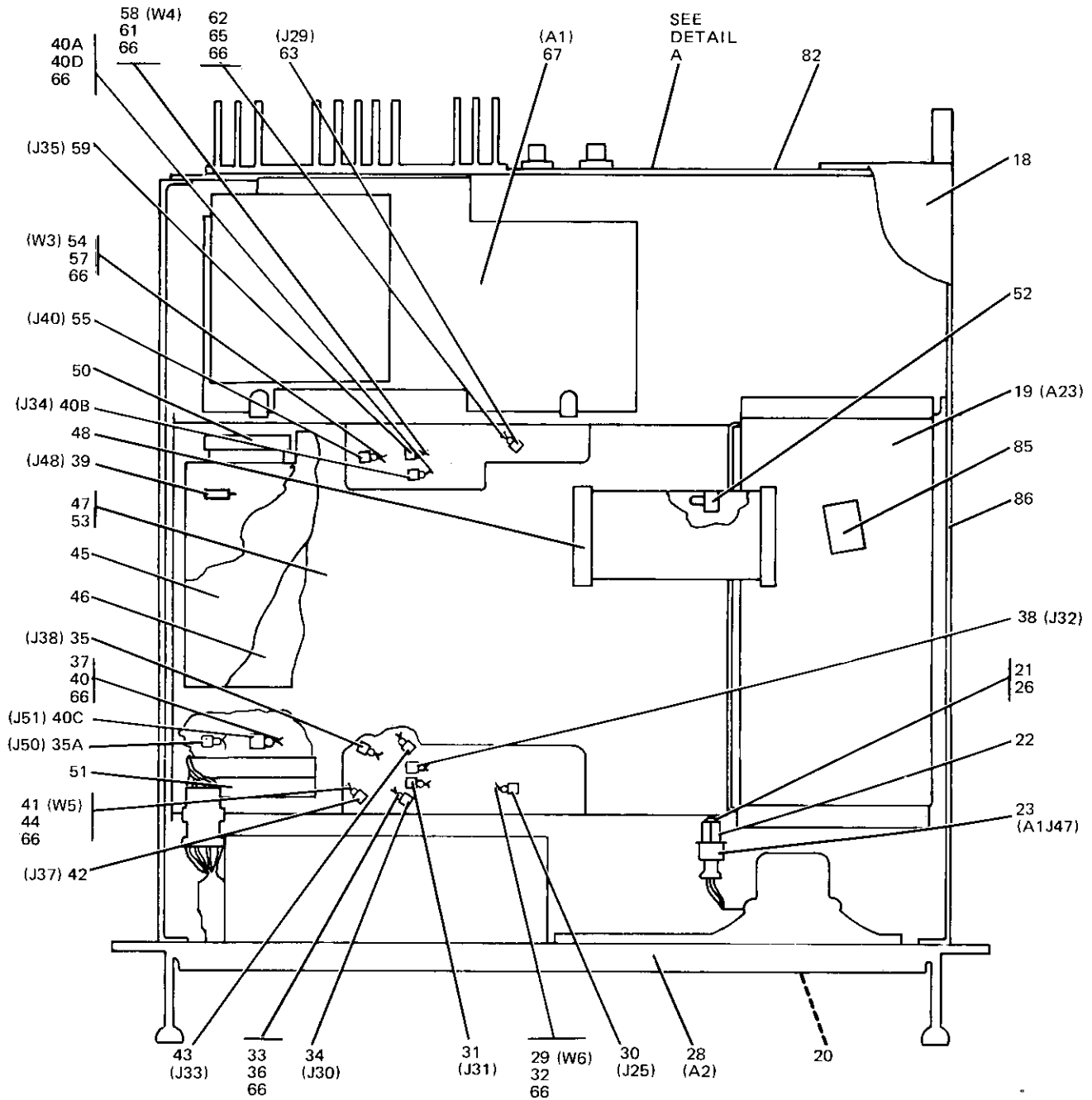
<u>CI/ REV LTR</u>	<u>UNIT PART NUMBER</u>	<u>FIG- ITEM</u>
U	622-4272-008	1-
U	622-4272-009	1-
M	637-3758-004	2-
M	637-3758-005	2-
A	638-6060-001	3-
B	638-6060-002	3-
C	635-9697-001	4-
K	635-0696-001	5-
N	637-2712-004	6-

2. GROUP ASSEMBLY PARTS LIST



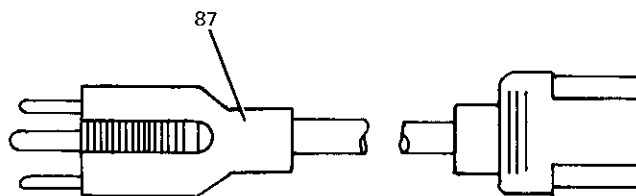
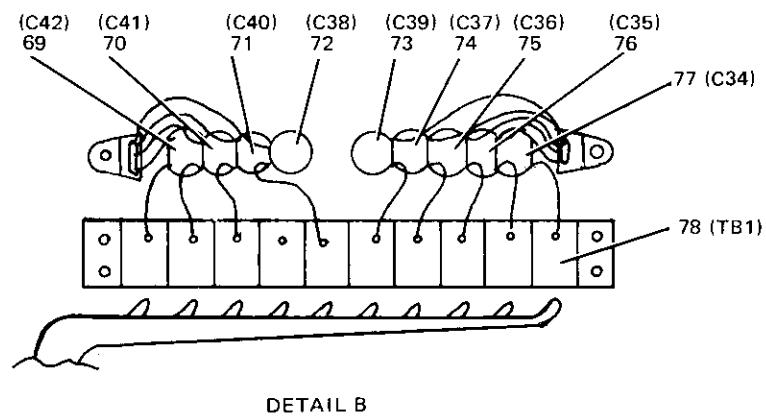
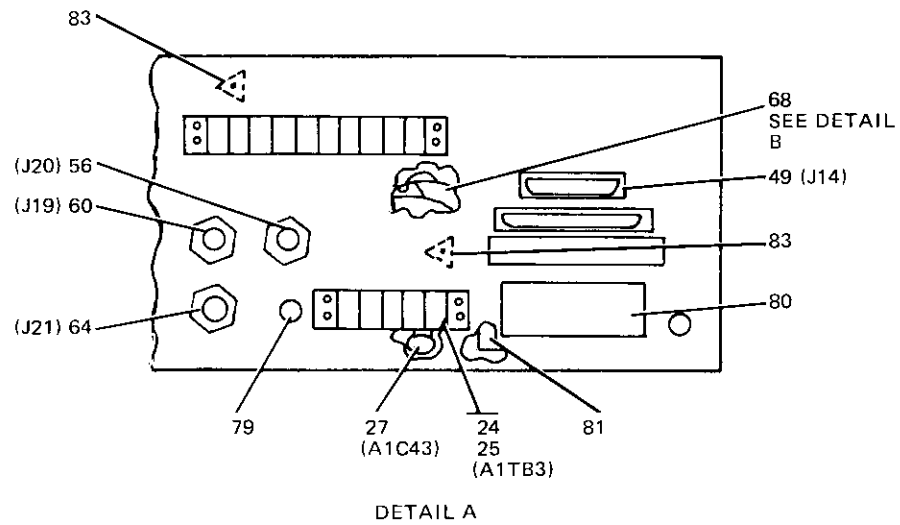
TPA-0611-039

851S-1 Receiver
Figure 1 (Sheet 1 of 3)



TPA-0611-039

851S-1 Receiver
Figure 1 (Sheet 2)



TPA-0611-039

851S-1 Receiver
Figure 1 (Sheet 3)

GROUP ASSEMBLY PARTS LIST

FIG-ITEM	PART NO	INDENT	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
1	1-	622-4272-008	1 RECEIVER,851S-1	1	A
1		622-4272-009	1 RECEIVER,851S-1	1	B
	1	635-9678-001	2 COVER, TOP	1	
		MS51957-30	2 SCREW, MACH SST, 6-32 X 1/2 (96906) 343-0171-000 (AP)	2	
		MS51957-28	2 SCREW, MACH SST, 6-32 X 3/8 (96906) 343-0169-000 (AP)	2	
	2	280-1368-350	2 LABEL, PRESSURE SENS (12998)	1	
	3	637-9121-001	2 SUPPORT RADIO	1	
		P325-0051-000	2 SCREW, MACH STL, 10-32UNF-2A X 1/2 (77250)	2	
			325-0051-000 (AP)		
	4	635-0748-001	2 RECEIVER AUDIO (ESDS) A6	1	
	5	23071-4	2 CARD GUIDE, PC (18677) 150-0810-040	20	
		MS51957-13	2 SCREW, MACH STL, 4-40 X 1/4 (96906) 343-0133-000 (AP)	22	
	6	637-1769-001	2 MAINTENANCE KIT	1	
		024-0057-000	3 KEY, SCH SCR (70276)	1	
		024-0058-000	3 KEY, SCH SCR (70276)	1	
		MS25237-327-15	3 LAMP, INCAND (96906) 262-1106-000	2	
		AGC250-1	3 FUSE, CARTRIDGE (71400) 264-0721-000 (EFF TO REV LTR B)	5	
		F02B250V1AS	3 FUSE, CRTG (81349) 264-4280-000 (EFF REV LTR B)	5	
		AGC250-2	3 FUSE, CARTRIDGE (71400) 264-0723-000 (EFF TO REV LTR B)	5	
		MDX2	3 FUSE, CRTG (71400) 264-0305-000 (EFF REV LTR B)	5	
		637-1777-001	3 INSTRUCTION SHEET, CORRECT FUSE USAGE	1	
	7	635-9616-001	2 FLANGE, CHASSIS MTG	2	
	8	541-6106-002	2 SPACER SLEEVE	4	
		P312-0116-000	2 STUD, CONT THD STL, 10-32 X 1 (77250) 312-0116-000 (AP)	4	
		P334-0268-000	2 NUT, PLAIN, HEX SST, 10-32 (77250) 334-0268-000 (AP)	4	
		MS35338-138	2 WASHER, LOCK SST, 0.194 ID X 0.334 OD (96906)	4	
			310-0284-000 (AP)		
	9	638-6065-001	2 CONTROL (ESDS) A10	1	
	10	635-4777-001	2 COVER, TOP, SMO	1	
		MS51957-3	2 SCREW, MACH CD PL STL, 2-56 X 1/4 (96906)	4	
			343-0124-000 (AP)		
		MS35338-134	2 WASHER, LOCK SST, 0.088 ID X 0.172 OD (96906)	4	
			310-0275-000 (AP)		
	11	635-0656-001	2 SYNTHESIZER VOLTAGE REGULATOR A14	1	
	12	623-2085-001	2 SYNTHESIZER REFERENCE (ESDS) A15	1	
	13	635-0657-001	2 SYNTHESIZER END DECADE (ESDS) A17	1	
	14	623-2080-003	2 SYNTHESIZER 1 KHZ DECADE (ESDS) A19	1	
	15	623-2080-002	2 SYNTHESIZER 10 KHZ DECADE (ESDS) A20	1	
	16	623-2080-001	2 SYNTHESIZER 100 KHZ DECADE (ESDS) A21	1	
	17	635-4930-002	2 SYNTHESIZER OUTPUT (ESDS) A22	1	
	18	635-9658-001	2 COVER, BOTTOM	1	
		MS51957-28	2 SCREW, MACH SST, 6-32 X 3/8 (96906) 343-0169-000 (AP)	7	
	19	635-9697-001	2 SYNTHESIZER CHASSIS A23 (SEE FIG 4)	1	
		P313-0045-000	2 NUT, PLAIN, HEX SST, 6-32 (77250) 313-0045-000 (AP)	4	
		310-0071-000	2 WASHER, LOCK SST, 0.151 ID X 0.239 OD (79807) (AP)	4	
		310-0046-000	2 WASHER, FLAT SST, 0.147 ID X 0.312 OD (79807) (AP)	4	
		MS51957-28	2 SCREW, MACH SST, 6-32 X 3/8 (96906) 343-0169-000 (AP)	4	
	20	637-3745-001	2 INSERT, IDENT	1	
	21	637-3759-001	2 CABLE ASSY, SPEAKER	1	
		P313-0045-000	2 NUT, PLAIN, HEX SST, 6-32 (77250) 313-0045-000 (AP)	4	
		310-0071-000	2 WASHER, LOCK SST, 0.151 ID X 0.239 OD (79807) (AP)	4	
		MS51957-27B	2 SCREW, MACH SST, 6-32 X 5/16 (96906) 343-0033-000 (AP)	4	
	22	60617-1	3 SOCKET CONTACT (00779) 372-5884-060	2	
	23	1-480318-0	3 HOUSING, SOCKET (00779) 372-5884-330 A1J47	1	
	24	600J	3 JUMPER, BARRIER (75382) 367-0854-000	1	
	25	353-18-05-001	3 TERMINAL STRIP (71785) 367-0013-000 A1TB3	1	
	26	ES26U3-5SF	3 CABLE, SP, ELEC (81349) 439-0661-000	AR	

1 REFER TO SPECIAL COMMENTS IN PARTS LIST INTRODUCTION

GROUP ASSEMBLY PARTS LIST

FIG-ITEM	PART NO	INDENT	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
1-27	805-014X5V0103Z	3	CAPACITOR,FXD CER DIEL, 0.01UF, P80%M20%, 100V (12294) 913-3680-000 A1C43	1	
28	637-3758-005	2	FRONT PANEL (ESDS) A2 (SEE FIG 2)	1 A	
28	637-3758-004	2	FRONT PANEL (ESDS) A2 (SEE FIG 2)	1 B	
29	637-1526-002	2	CABLE ASSY, RF COAX W6	1	
	646-7008-001	2	SPRING, GROUNDING (AP)	1	
30	52-312-9040	3	CONNECTOR,RCPT ELEC (98291) 357-7207-220 J25	1	
31	52-312-9040	3	CONNECTOR,RCPT ELEC (98291) 357-7207-220 J31	1	
32	RG178BU	3	CABLE,RF (81349) 425-1538-000	AR	
33	637-3798-001	2	CABLE ASSY, RF-AFC	1	
	646-7008-001	2	SPRING,GROUNDING (AP)	1	
34	51-330-3188	3	CONNECTOR,RCPT ELEC (98291) 357-7374-010 J30	1	
35	51-071-0019	3	CONNECTOR,TEE (98291) 357-7533-010 J38	1	
35A	51-330-3188	3	CONNECTOR,RCPT ELEC (98291) 357-7374-010 J50	1	
36	12-954	3	CABLE,RF (27478) 425-0217-010	AR	
37	637-1526-005	2	CABLE ASSY, RF COAX	1	
38	52-312-9040	3	CONNECTOR,RCPT ELEC (98291) 357-7207-220 J32	1	
39	52-312-9040	3	CONNECTOR,RCPT ELEC (98291) 357-7207-220 J48	1	
40	RG178BU	3	CABLE,RF (81349) 425-1538-000	AR	
40A	637-1526-005	2	CABLE ASSY, RF COAX	1	
40B	52-312-9040	3	CONNECTOR,RCPT ELEC (98291) 357-7207-220 J34	1	
40C	52-312-9040	3	CONNECTOR,RCPT ELEC (98291) 357-7207-220 J51	1	
40D	RG178BU	3	CABLE,RF (81349) 425-1538-000	AR	
41	637-1526-002	2	CABLE ASSY, RF COAX W5	1	
	646-7008-001	2	SPRING,GROUNDING (AP)	2	
42	52-312-9040	3	CONNECTOR,RCPT ELEC (98291) 357-7207-220 J37	1	
43	52-312-9040	3	CONNECTOR,RCPT ELEC (98291) 357-7207-220 J33	1	
44	RG178BU	3	CABLE,RF (81349) 425-1538-000	AR	
45	635-9669-001	2	GUARD,CABLE	1	
46	630-2262-001	2	GUARD,CABLE	1	
	115-0260-003	2	SPACER (74970) 150-1012-030 (AP FOR 45,46)	5	
47	637-3760-003	2	SIDEBOARD ASSY	1 A	
47	637-3760-002	2	SIDEBOARD ASSY	1 B	
	540-9039-003	2	POST (AP)	4	
	MS51957-13	2	SCREW,MACH STL, 4-40 X 1/4 (96906) 343-0133-000 (AP)	4	
	MS35338-135	2	WASHER,LOCK SST, 0.115 ID X 0.209 OD (96906) 310-0279-000 (AP)	8	
	310-6340-000	2	WASHER,FLAT SST, 0.125 ID X 0.281 OD (79807) (AP)	4	
48	637-3762-001	3	CABLE,SPECIAL PURPOSE	1	
49	DBM25S	3	CONNECTOR,RCPT ELEC (71468) 371-0221-000 J14	1	
50	637-3761-001	3	CABLE,VBO DISPLAY	1	
51	637-1524-002	3	CABLE,SPECIAL PURPOSE	1 A	
51	637-1524-001	3	CABLE,SPECIAL PURPOSE	1 B	
52	635-9636-002	3	CABLE,SPECIAL PURPOSE	1 A	
53	638-6071-001	3	SIDEBOARD	1	
54	637-1525-002	2	CABLE ASSY, RF COAX W3	1	
55	52-312-9040	3	CONNECTOR,RCPT ELEC (98291) 357-7207-220 J40	1	
56	801-B3800B75	3	CONNECTOR,RCPT ELEC (94375) 357-7129-010 J20	1	
57	RG178BU	3	CABLE,RF (81349) 425-1538-000	AR	
58	637-1525-002	2	CABLE ASSY, RF COAX W4	1	
59	52-312-9040	3	CONNECTOR,RCPT ELEC (98291) 357-7207-220 J35	1	
60	801-B3800B75	3	CONNECTOR,RCPT ELEC (94375) 357-7129-010 J19	1	
61	RG178BU	3	CABLE,RF (81349) 425-1538-000	AR	
62	637-1525-001	2	CABLE ASSY, RF COAX	1	
63	52-312-9040	3	CONNECTOR,RCPT ELEC (98291) 357-7207-220 J29	1	
64	801-B3800B75	3	CONNECTOR,RCPT ELEC (94375) 357-7129-010 J21	1	
65	RG178BU	3	CABLE,RF (81349) 425-1538-000	AR	
66	623-1379-001	2	ADAPTER,CONN	19	
67	635-9649-001	2	POWER SUPPLY A1	1	
68	635-4932-001	2	WIRING HARNESS	1	
	P313-0045-000	2	NUT,PLAIN,HEX SST, 6-32 (77250) 313-0045-000 (AP)	2	
	310-0071-000	2	WASHER,LOCK SST, 0.151 ID X 0.239 OD (79807) (AP)	2	
	MS51957-30	2	SCREW,MACH SST, 6-32 X 1/2 (96906) 343-0171-000 (AP)	2	

GROUP ASSEMBLY PARTS LIST

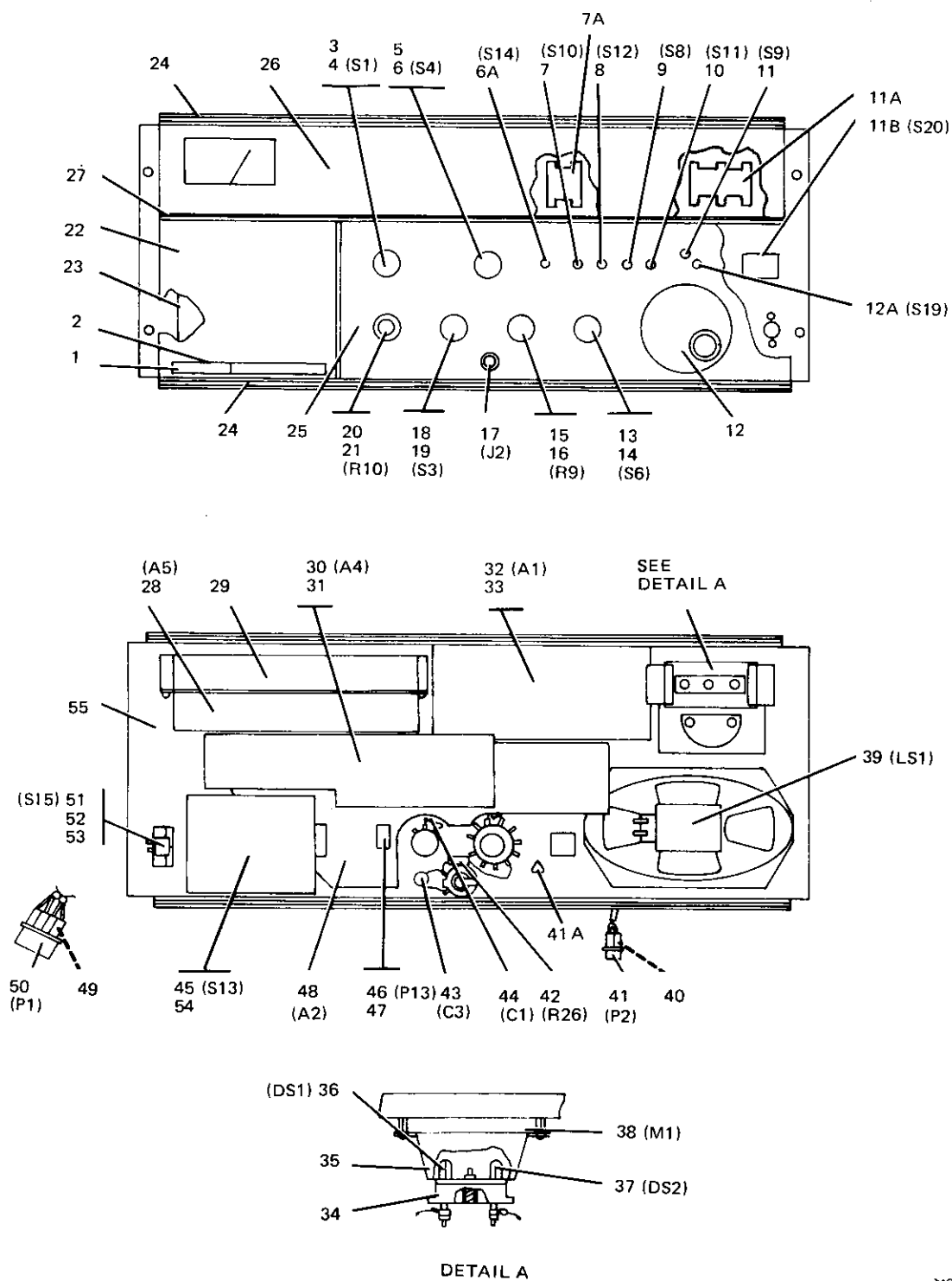
FIG-ITEM	PART NO	INDENT	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
1-69	CK63AW103M	3	CAPACITOR,FXD CER DIEL, 10000PF, 20%, 500V (81349) 913-1188-000 C42	1	
70	CK63AW103M	3	CAPACITOR,FXD CER DIEL, 10000PF, 20%, 500V (81349) 913-1188-000 C41	1	
71	CK63AW103M	3	CAPACITOR,FXD CER DIEL, 10000PF, 20%, 500V (81349) 913-1188-000 C40	1	
72	CK63AW103M	3	CAPACITOR,FXD CER DIEL, 10000PF, 20%, 500V (81349) 913-1188-000 C38	1	
73	CK63AW103M	3	CAPACITOR,FXD CER DIEL, 10000PF, 20%, 500V (81349) 913-1188-000 C39	1	
74	CK63AW103M	3	CAPACITOR,FXD CER DIEL, 10000PF, 20%, 500V (81349) 913-1188-000 C37	1	
75	CK63AW103M	3	CAPACITOR,FXD CER DIEL, 10000PF, 20%, 500V (81349) 913-1188-000 C36	1	
76	CK63AW103M	3	CAPACITOR,FXD CER DIEL, 10000PF, 20%, 500V (81349) 913-1188-000 C35	1	
77	CK63AW103M	3	CAPACITOR,FXD CER DIEL, 10000PF, 20%, 500V (81349) 913-1188-000 C34	1	
78	353-18-10-001	3	TERMINAL STRIP (71785) 367-0018-000 TB1	1	
79	P500	2	BUTTON,PL PLSTC (28520) 308-0312-020	1	
80	635-2104-000	2	PLATE,IDENT	1	
	MS51957-11	2	SCREW,MACH STL, 4-40 X 1/8 (96906) 343-0131-000 (AP)	2	
81	637-2712-004	2	FILTER,RFI (SEE FIG 6)	1	
	540-9006-003	2	POST (AP)	2	
	M24308-26-1	2	SCREW ASSY (81349) 371-0062-000 (AP)	4	
	MS51957-3	2	SCREW,MACH CD PL STL, 2-56 X 1/4 (96906)	2	
			343-0124-000 (AP)		
	MS35338-134	2	WASHER,LOCK SST, 0.088 ID X 0.172 OD (96906)	2	
			310-0275-000 (AP)		
82	637-3754-001	2	PANEL,REAR	1	
	P343-0309-000	2	SCREW,MACH NP BRS, 8-32 X 3/8 (77250) 343-0309-000 (AP)	1	
	310-0057-000	2	WASHER,FLAT BRS, 0.172 ID X 0.375 OD (79807) (AP)	1	
	MS35338-99	2	WASHER,SPRING CD PL BRZ, 0.168 ID X 0.293 OD (96906)	1	
			310-0098-000 (AP)		
83	403	2	TERMINAL,LUG (79963) 304-1089-000	3	
	MS35649-244	2	NUT,PLAIN,HEX SST, 4-40 (96906) 313-0043-000 (AP)	3	
	MS35338-135	2	WASHER,LOCK SST, 0.115 ID X 0.209 OD (96906)	3	
			310-0279-000 (AP)		
	MS51957-15	2	SCREW,MACH STL, 4-40 X 3/8 (96906) 343-0135-000 (AP)	3	
84	646-5388-966	2	FRESET A12	1 A	
85	3484-1000	2	CLAMP,CABLE (75037) 150-0836-010	1	
86	635-9652-001	2	CHASSIS,MAIN	1	
	MS51958-61	2	SCREW,MACH SST, 10-32 X 3/8 (96906) 343-0226-000 (AP)	2	
	MS51957-29	2	SCREW,MACH SST, 6-32 X 7/16 (96906) 343-0170-000 (AP)	7	
87	17250	2	CABLE ASSY,PWR (70903) 426-1034-010	1	
1	622-3460-001	2	AC-8012 KIT, OVEN STANDARD		
	520-8360-132	3	ENVELOPE, DRAWING		
88	635-0655-001	3	EXTERNAL PHASE LOCK A15A4		
89	637-9135-001	3	OSCILLATOR Y1		
1	622-3461-001	2	AC-8013 KIT, EXTERNAL STANDARD		
	520-8360-133	3	ENVELOPE, DRAWING		
90	635-0655-001	3	EXTERNAL PHASE LOCK A15A4		
91	637-9136-001	3	CABLE ASSY W1		
1	622-3462-001	2	AC-8090 KIT, REMOTE CONTROL		
	520-8360-215	3	ENVELOPE, DRAWING		
92	635-0751-002	3	PARALLEL INPUT (ESDS) A11		
93	635-0752-002	3	PARALLEL OUTPUT (ESDS) A12		

1 REFER TO SPECIAL COMMENTS IN PARTS LIST INTRODUCTION

GROUP ASSEMBLY PARTS LIST

FIG- ITEM	PART NO	INDENT	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
1-94	635-0742-001	3	SERIAL INTERFACE (ESDS) A13		
1	622-4606-XXX	2	AC-85100 KIT, ISB		
	520-8360-210	3	ENVELOPE, DRAWING		
95	637-2647-XXX	3	CHANNEL B IF (ESDS) A7		
1	622-4607-001	2	AC-85101 KIT, DVBF0		
	520-8360-211	3	ENVELOPE, DRAWING		
96	638-6067-001	3	VBFO (ESDS) A4		
1	622-4607-002	2	AC-85101 KIT, DVBF0		
	520-8360-211	3	ENVELOPE, DRAWING		
97	637-3796-001	3	BRACKET ASSY, JUMPER A4		
1	622-4608-001	2	AC-85102 KIT, DECADE EXPANSION		
	520-8360-212	3	ENVELOPE, DRAWING		
98	623-2080-004	3	100 HZ/10 HZ DECADE (ESDS) A18		
1	622-4610-001	2	AC-85104 KIT, AFC		
	520-8360-231	3	ENVELOPE, DRAWING		
99	642-3224-001	3	AFC (ESDS) A3		
1	622-4610-002	2	AC-85104 KIT, AFC		
	520-8360-231	3	ENVELOPE, DRAWING		
100	637-3796-001	3	BRACKET ASSY, JUMPER A3		
1	622-4611-XXX	2	AC-85105 KIT, OPTIONAL FILTERS		
	520-8360-213	3	ENVELOPE, DRAWING		
101	637-2515-XXX	3	FILTER A8A2		
1	622-4612-001	2	AC-85106 KIT, RF TRANSLATOR		
	520-8360-214	3	ENVELOPE, DRAWING		
102	637-3757-001	3	RF TRANSLATOR (ESDS) A9		
1	622-4612-002	2	AC-85106 KIT, RF TRANSLATOR		
	520-8360-214	3	ENVELOPE, DRAWING		
103	637-1767-002	3	RF TRANSLATOR (ESDS) A9		
1	622-4612-003	2	AC-85106 KIT, RF TRANSLATOR		
	520-8360-214	3	ENVELOPE, DRAWING		
104	637-1767-001	2	RF TRANSLATOR (ESDS) A9		
1	622-4612-004	2	AC-85106 KIT, RF TRANSLATOR		
	520-8360-214	3	ENVELOPE, DRAWING		
105	637-1767-005	3	RF TRANSLATOR (ESDS) A9		
1	622-4614-XXX	2	AC-85108 KIT, CHANNEL A IF		
	520-8360-216	3	ENVELOPE, DRAWING		
106	637-2650-XXX	3	CHANNEL A IF (ESDS) A8		

1 REFER TO SPECIAL COMMENTS IN PARTS LIST INTRODUCTION



Front Panel A2
Figure 2

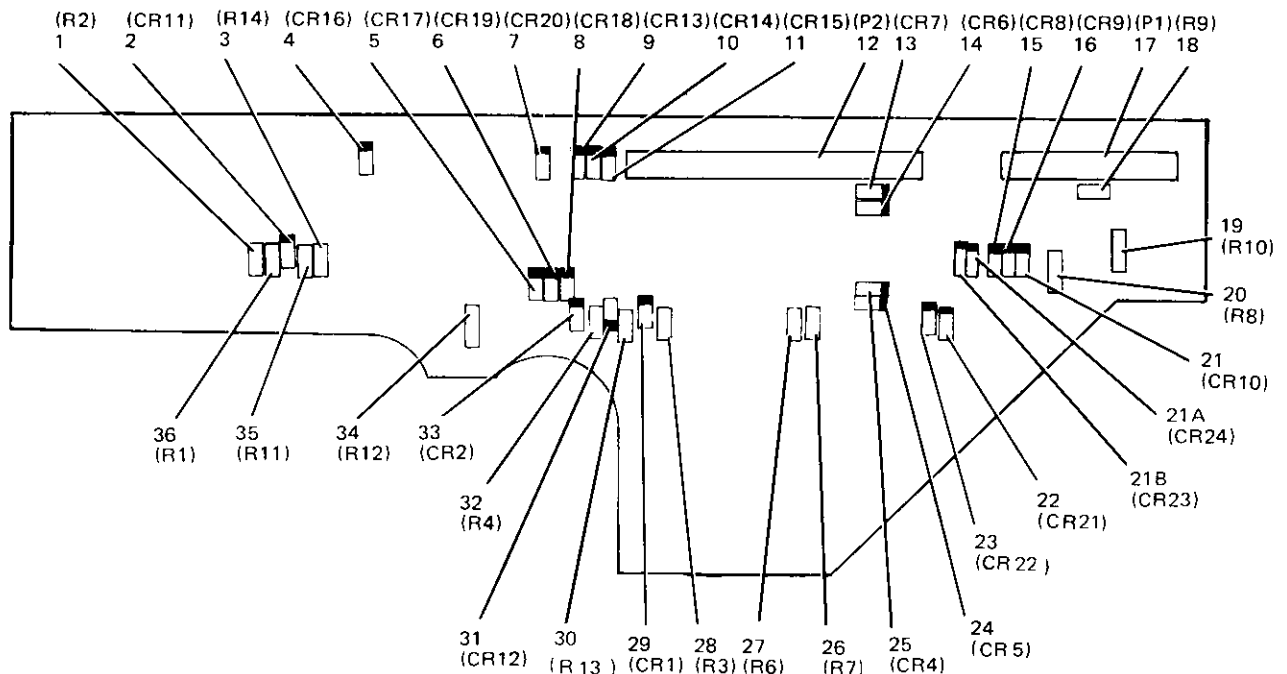
GROUP ASSEMBLY PARTS LIST

FIG-ITEM	PART NO	INDENT	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
2-	637-3758-005	1	FRONT PANEL (ESDS) A2 (SEE FIG 1-28 FOR NHA)	REF	A
	637-3758-004	1	FRONT PANEL (ESDS) A2 (SEE FIG 1-28 FOR NHA)	REF	B
1	623-9008-001	2	INSERT, HOUSEMARK	1	
2	632-5201-001	2	HOLDER, IDENT	1	
	P313-0132-000	2	NUT, PLAIN, HEX SST, 4-40 (77250) 313-0132-000 (AP)	2	
	MS51959-12	2	SCREW, MACH SST, 4-40 X 3/16 (96906) 342-0043-000 (AP)	2	
3	RB67-1DCML	2	KNOB, RING SKRTD (86797) 281-0650-010	1	
4	280444BF1	2	SWITCH, ROTARY (76854) 259-7201-100 A2S1	1	
	P313-0064-000	2	NUT, PLAIN, HEX SST, 3/8-32 (77250) 313-0064-000 (AP FOR 3,4)	1	
5	RB67-1DCML	2	KNOB, RING SKRTD (86797) 281-0650-010	1	
6	280426BF1	2	SWITCH, ROTARY (76854) 259-7201-030 A2S4	1	
	P313-0064-000	2	NUT, PLAIN, HEX SST, 3/8-32 (77250) 313-0064-000 (AP FOR 5,6)	1	
6A	7101P3PD9V40B	2	SWITCH, TOGGLE (09353) 266-5415-130 A2S14	1	
7	7211P3PD9V40B	2	SWITCH, TOGGLE (09353) 266-5415-160 A2S10	1	
7A	637-3792-001	2	COVER, OPTICAL (EFF REV LTR G)	1	
8	7211P3PD9V40B	2	SWITCH, TOGGLE (09353) 266-5415-160 A2S12	1	
9	7201P3PD9V40B	2	SWITCH, TOGGLE (09353) 266-5415-140 A2S8	1	A
9	7207P3PD9V40B	2	SWITCH, TOGGLE (09353) 266-5415-170 A2S8	1	B
10	7211P3PD9V40B	2	SWITCH, TOGGLE (09353) 266-5415-160 A2S11	1	
11	7103P3PD9V40B	2	SWITCH, TOGGLE (09353) 266-5415-120 A2S9	1	
11A	637-3792-001	2	COVER, OPTICAL (EFF REV LTR G)	2	
11B	635-0900-001	2	ASSY, CHANNEL SELECT A2S20	1	A
	MS35649-224	2	NUT, PLAIN, HEX SST, 2-56 (96906) 313-0037-000 (AP)	4	
	MS35338-134	2	WASHER, LOCK SST, 0.088 ID X 0.172 OD (96906) 310-0275-000 (AP)	4	
	MS51957-5B	2	SCREW, MACH SST, 2-56 X 3/8 (96906) 343-0674-000 (AP)	4	
12	RE67-5CTM	2	SPINNER (86797) 281-0650-040	1	
12A	7208P3PD9V	2	SWITCH, TOGGLE (09353) 266-5415-970 A2S19	1	A
13	RB67-1DCML	2	KNOB, RING SKRTD (86797) 281-0650-010	1	
14	280429BF1	2	SWITCH, ROTARY (76854) 259-7201-060 A2S6	1	
	P313-0064-000	2	NUT, PLAIN, HEX SST, 3/8-32 (77250) 313-0064-000 (AP FOR 13,14)	1	
15	RB67-1DCML	2	KNOB, RING SKRTD (86797) 281-0650-010	1	
16	RV2NAYS0103B	2	RESISTOR, VAR 10K, 20%, 1W (81349) 380-2507-000 A2R9	1	
	P313-0064-000	2	NUT, PLAIN, HEX SST, 3/8-32 (77250) 313-0064-000 (AP FOR 15,16)	1	
17	M641-6-1	2	JACK, TEL (81349) 358-1040-000 A2J2	1	
18	RB67-1-0ML9	2	KNOB, CONCENTRIC (86797) 281-0650-030	1	
19	259-8017-020	2	SWITCH, RTRY (71590) A2S3 (INCLUDES A2R12)	1	
	P313-0064-000	2	NUT, PLAIN, HEX SST, 3/8-32 (77250) 313-0064-000 (AP FOR 18,19)	1	
20	RB67-1-0ML9	2	KNOB, CONCENTRIC (86797) 281-0650-030	1	
21	382-0047-030	2	RESISTOR, VAR CERMET, DUAL SECT, 10K AND 25K (01121) A2R10 (INCLUDES SECTIONS A,B,C)	1	
	P313-0064-000	2	NUT, PLAIN, HEX SST, 3/8-32 (77250) 313-0064-000 (AP FOR 20,21)	1	
22	635-9602-001	2	GRILL, SPEAKER	1	
23	637-1547-001	2	BAFFLE, SPEAKER	1	
24	635-9601-001	2	BAR, EDGE	2	
	MS51957-13B	2	SCREW, MACH SST, 4-40 X 1/4 (96906) 343-0019-000 (AP)	8	
	MS35338-135	2	WASHER, LOCK SST, 0.115 ID X 0.209 OD (96906) 310-0279-000 (AP)	8	
25	647-7802-001	2	PANEL, OVERLAY, LOWER	1	A
25	637-3748-003	2	PANEL, OVERLAY, LOWER	1	B
26	637-3749-001	2	PANEL, OVERLAY, UPPER	1	
27	635-9615-001	2	SUPPORT, PANEL	1	
	MS51957-13B	2	SCREW, MACH SST, 4-40 X 1/4 (96906) 343-0019-000 (AP)	4	
	MS35338-135	2	WASHER, LOCK SST, 0.115 ID X 0.209 OD (96906) 310-0279-000 (AP)	4	
28	637-1781-009	2	FREQUENCY DISPLAY (ESDS) A2A5	1	
29	637-1546-001	2	BRACKET, CARD	2	
	MS51957-4B	2	SCREW, MACH SST, 2-56 X 5/16 (96906) 343-0672-000 (AP)	4	
	MS51957-4	2	SCREW, MACH CD PL STL, 2-56 X 5/16 (96906) 343-0125-000 (AP)	4	

GROUP ASSEMBLY PARTS LIST

FIG-ITEM	PART NO	INDENT	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
2--	MS35338-134	2	WASHER, LOCK SST, 0.088 ID X 0.172 OD (96906) 310-0275-000 (AP)	4	
	MS15795-802	2	WASHER, FLAT CRES, 0.094 ID X 0.250 OD (96906) 310-0779-020 (AP)	4	
30	638-6063-001	2	COUNT/STORE ASSY A2A4	1	
31	540-9096-003	2	POST	2	
	MS51957-3B	2	SCREW, MACH SST, 2-56 X 1/4 (96906) 343-0072-000 (AP)	2	
	MS35206-321	2	SCREW, MACH CD PL STL, 2-56 X 1 (96906) 343-0472-000 (AP)	2	
	MS35338-134	2	WASHER, LOCK SST, 0.088 ID X 0.172 OD (96906) 310-0275-000 (AP)	2	
32	635-0825-010	2	LED STATUS DISPLAY A2A1	1	
33	540-9006-003	2	POST	4	
	MS51957-3B	2	SCREW, MACH SST, 2-56 X 1/4 (96906) 343-0072-000 (AP)	8	
	MS35338-134	2	WASHER, LOCK SST, 0.088 ID X 0.172 OD (96906) 310-0275-000 (AP)	4	
34	637-1779-001	2	BLOCK, INSUL	1	
35	635-9614-001	2	BRACKET, LIGHT	1	
	P343-0291-000	2	SCREW, MACH NP BRS, 4-40 X 3/4 (77250) 343-0291-000 (AP)	3	
	310-6340-000	2	WASHER, FLAT SST, 0.125 ID X 0.281 OD (79807) (AP)	2	
	340-1010-000	2	SPRING, HELICAL (91314) (AP)	1	
	P313-0051-000	2	NUT, PLAIN, HEX NP BRS, 4-40 (77250) 313-0051-000 (AP)	4	
	MS35338-135	2	WASHER, LOCK SST, 0.115 ID X 0.209 OD (96906) 310-0279-000 (AP)	2	
	MS51957-18B	2	SCREW, MACH SST, 4-40 X 5/8 (96906) 343-0024-000 (AP)	2	
36	MS25237-327-15	2	LAMP, INCAND (96906) 262-1106-000 A2DS1	1	
37	MS25237-327-15	2	LAMP, INCAND (96906) 262-1106-000 A2DS2	1	
38	7521	2	METER, DC AMP 45 OHMS RES (65092) 450-0151-010 A2M1	1	
	P313-0051-000	2	NUT, PLAIN, HEX NP BRS, 4-40 (77250) 313-0051-000 (AP)	1	
	MS35338-135	2	WASHER, LOCK SST, 0.115 ID X 0.209 OD (96906) 310-0279-000 (AP)	1	
	P343-0285-000	2	SCREW, MACH NP BRS, 4-40 X 1/4 (77250) 343-0285-000 (AP)	1	
39	X8014-1	2	LOUDSPEAKER, PM (14208) 271-0250-010 A2LS1	1	
	MS35649-264	2	NUT, PLAIN, HEX CRES, 6-32 (96906) 313-0002-000 (AP)	4	
	MS51957-26B	2	SCREW, MACH SST, 6-32 X 3/8 (96906) 343-0034-000 (AP)	4	
40	60618-1	2	PIN CONTACT (00779) 372-5884-200	2	
41	1-480319-0	2	HOUSING, PIN (00779) 372-5884-320 A2P2	1	
41A	280-2745-010	2	LABEL, PRESS SEHS (ESDS) (12998) (EFF REV LTR L)	1	
42	RCR07G560KS	2	RESISTOR, FXD CMPSN, 56 OHMS, 10%, 1/4W (81349) 745-0704-000 A2R26	1	
43	805-014X5V0103Z	2	CAPACITOR, FXD CER DIEL, 0.01UF, P80%M20%, 100V (12294) 913-3680-000 A2C3	1	
44	199D226X0025PE4	2	CAPACITOR, FXD TNLML ELCTLT, 22UF, 20%, 25V (56289) 184-9102-250 A2C1	1	
45	610-2150-001	2	SWITCH, TUNING A2S13	1	
46	637-3763-001	2	CONNECTOR A2P13	1	
47	372-2255-020	2	CONTACT, ELEC	6	
48	638-6060-002	2	MOUNTING BOARD, SWITCH A2A2 (SEE FIG 3)	1	A
48	638-6060-001	2	MOUNTING BOARD, SWITCH A2A2 (SEE FIG 3)	1	B
49	60618-1	2	PIN CONTACT (00779) 372-5884-200	4	
50	1-480426-0	2	HOUSING, PIN (00779) 372-5884-480 A2P1	1	
51	NE15F01-0003-00	2	SWITCH, PUSH (31918) 266-7524-010 A2S15	1	
52	F1-15H4	2	BUTTON, PUSH (31918) 266-7508-210	1	
53	540-9006-003	2	POST	2	
	MS51957-3B	2	SCREW, MACH SST, 2-56 X 1/4 (96906) 343-0072-000 (AP)	4	
	MS35338-134	2	WASHER, LOCK SST, 0.088 ID X 0.172 OD (96906) 310-0275-000 (AP)	4	
54	540-9053-003	2	POST	4	
	MS51957-13B	2	SCREW, MACH SST, 4-40 X 1/4 (96906) 343-0019-000 (AP)	4	
	MS35338-135	2	WASHER, LOCK SST, 0.115 ID X 0.209 OD (96906) 310-0279-000 (AP)	4	
55	637-3751-001	2	PANEL, SWITCH MTG	1	

GROUP ASSEMBLY PARTS LIST



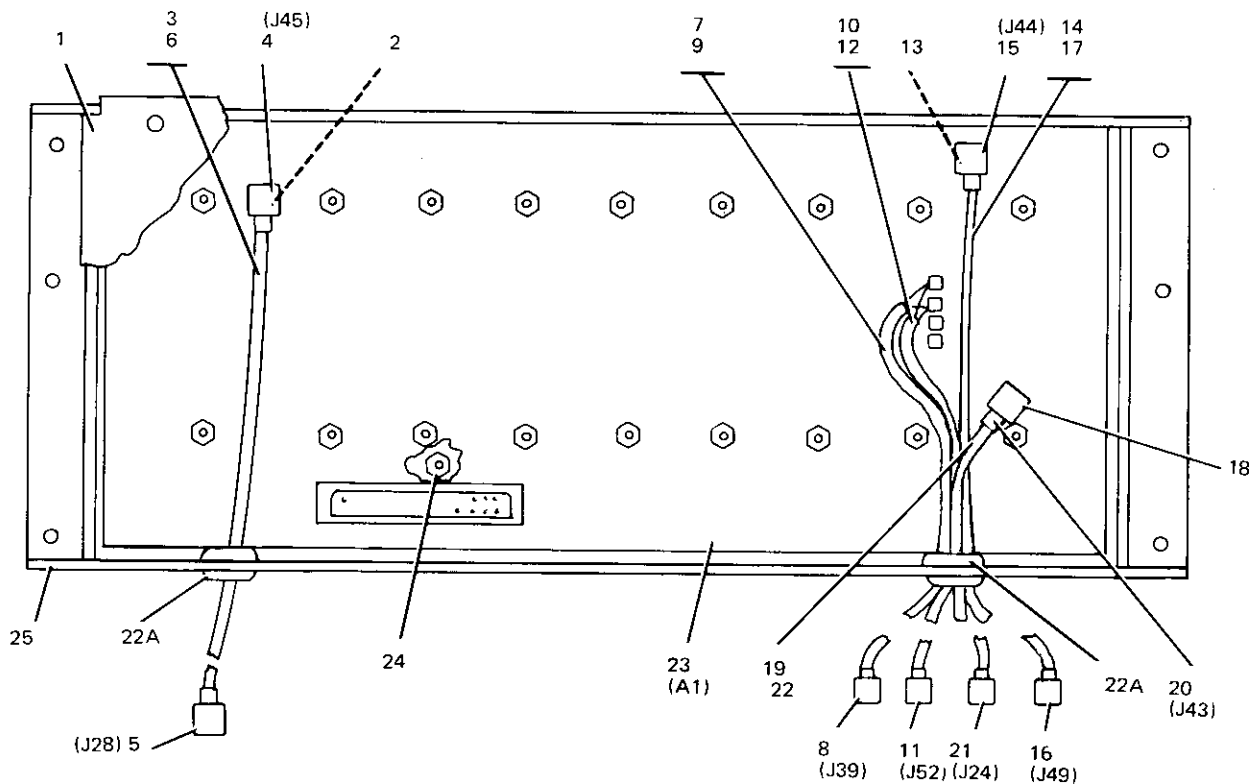
TPA-0598-019

Switch Mounting Board A2A2
Figure 3

FIG-ITEM	PART NO	INDENT	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
3-	638-6060-002		1 MOUNTING BOARD, SWITCH A2A2 (SEE FIG 2-48 FOR NHA)	REF A	
	638-6060-001		1 MOUNTING BOARD, SWITCH A2A2 (SEE FIG 2-48 FOR NHA)	REF B	
1	RN55D16R9F		2 RESISTOR,FXD FILM, 16.9 OHMS, 1%, 1/8W (81349) 705-0911-000 A2A2R2	1	
2	DA27395E		2 SEMICOND DEVICE (03508) 353-3644-010 A2A2CR11	1	
3	RCR07G271KS		2 RESISTOR,FXD CMPSN, 270 OHMS, 10%, 1/4W (81349) 745-0728-000 A2A2R14	1	
4	DA27395E		2 SEMICOND DEVICE (03508) 353-3644-010 A2A2CR16	1	
5	DA27395E		2 SEMICOND DEVICE (03508) 353-3644-010 A2A2CR17	1	
6	DA27395E		2 SEMICOND DEVICE (03508) 353-3644-010 A2A2CR19	1	
7	DA27395E		2 SEMICOND DEVICE (03508) 353-3644-010 A2A2CR20	1	
8	DA27395E		2 SEMICOND DEVICE (03508) 353-3644-010 A2A2CR18	1	
9	DA27395E		2 SEMICOND DEVICE (03508) 353-3644-010 A2A2CR13	1	
10	DA27395E		2 SEMICOND DEVICE (03508) 353-3644-010 A2A2CR14	1	
11	DA27395E		2 SEMICOND DEVICE (03508) 353-3644-010 A2A2CR15	1	
12	86418-8		2 CONNECTOR,RCPT ELEC (00779) 372-0033-080 A2A2P2	1	
13	DA27395E		2 SEMICOND DEVICE (03508) 353-3644-010 A2A2CR7	1	
14	DA27395E		2 SEMICOND DEVICE (03508) 353-3644-010 A2A2CR6	1	
15	DA27395E		2 SEMICOND DEVICE (03508) 353-3644-010 A2A2CR8	1	
16	DA27395E		2 SEMICOND DEVICE (03508) 353-3644-010 A2A2CR9	1	
17	86418-3		2 CONNECTOR,RCPT ELEC (00779) 372-0033-040 A2A2P1	1	
18	RCR07G104KS		2 RESISTOR,FXD CMPSN, 0.10MEGO, 10%, 1/4W (81349) 745-0821-000 A2A2R9	1	
19	RCR07G105KS		2 RESISTOR,FXD CMPSN, 1MEGO, 10%, 1/4W (81349) 745-0857-000 A2A2R10	1	

GROUP ASSEMBLY PARTS LIST

FIG-ITEM	PART NO	INDENT	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
20	RCR07G271KS	2	RESISTOR,FXD CMPSN, 270 OHMS, 10%, 1/4W (81349) 745-0728-000 A2A2R8	1	
21	DA27395E	2	SEMICONV DEVICE (03508) 353-3644-010 A2A2CR10	1	
21A	DA27395E	2	SEMICONV DEVICE (03508) 353-3644-010 A2A2CR24	1	
21B	DA27395E	2	SEMICONV DEVICE (03508) 353-3644-010 A2A2CR23	1	
22	DA27395E	2	SEMICONV DEVICE (03508) 353-3644-010 A2A2CR21	1	
23	DA27395E	2	SEMICONV DEVICE (03508) 353-3644-010 A2A2CR22	1	
24	DA27395E	2	SEMICONV DEVICE (03508) 353-3644-010 A2A2CR5	1	
25	DA27395E	2	SEMICONV DEVICE (03508) 353-3644-010 A2A2CR4	1	
26	RCR07G223KS	2	RESISTOR,FXD CMPSN, 22K, 10%, 1/4W (81349) 745-0797-000 A2A2R7	1	
27	RCR07G271KS	2	RESISTOR,FXD CMPSN, 270 OHMS, 10%, 1/4W (81349) 745-0728-000 A2A2R6	1	
28	RCR07G271KS	2	RESISTOR,FXD CMPSN, 270 OHMS, 10%, 1/4W (81349) 745-0728-000 A2A2R3	1	
29	DA27395E	2	SEMICONV DEVICE (03508) 353-3644-010 A2A2CR1	1	
30	RCR07G271KS	2	RESISTOR,FXD CMPSN, 270 OHMS, 10%, 1/4W (81349) 745-0728-000 A2A2R13	1	
31	DA27395E	2	SEMICONV DEVICE (03508) 353-3644-010 A2A2CR12	1	
32	RCR07G271KS	2	RESISTOR,FXD CMPSN, 270 OHMS, 10%, 1/4W (81349) 745-0728-000 A2A2R4	1	
33	DA27395E	2	SEMICONV DEVICE (03508) 353-3644-010 A2A2CR2	1	
34	RCR07G101JS	2	RESISTOR,FXD CMPSN, 100 OHMS, 5%, 1/4W (81349) 745-0712-000 A2A2R12	1	
35	RCR07G271KS	2	RESISTOR,FXD CMPSN, 270 OHMS, 10%, 1/4W (81349) 745-0728-000 A2A2R11	1	
36	RN55D1540F	2	RESISTOR,FXD FILM, 154 OHMS, 1%, 1/8W (81349) 705-0957-000 A2A2R1	1	

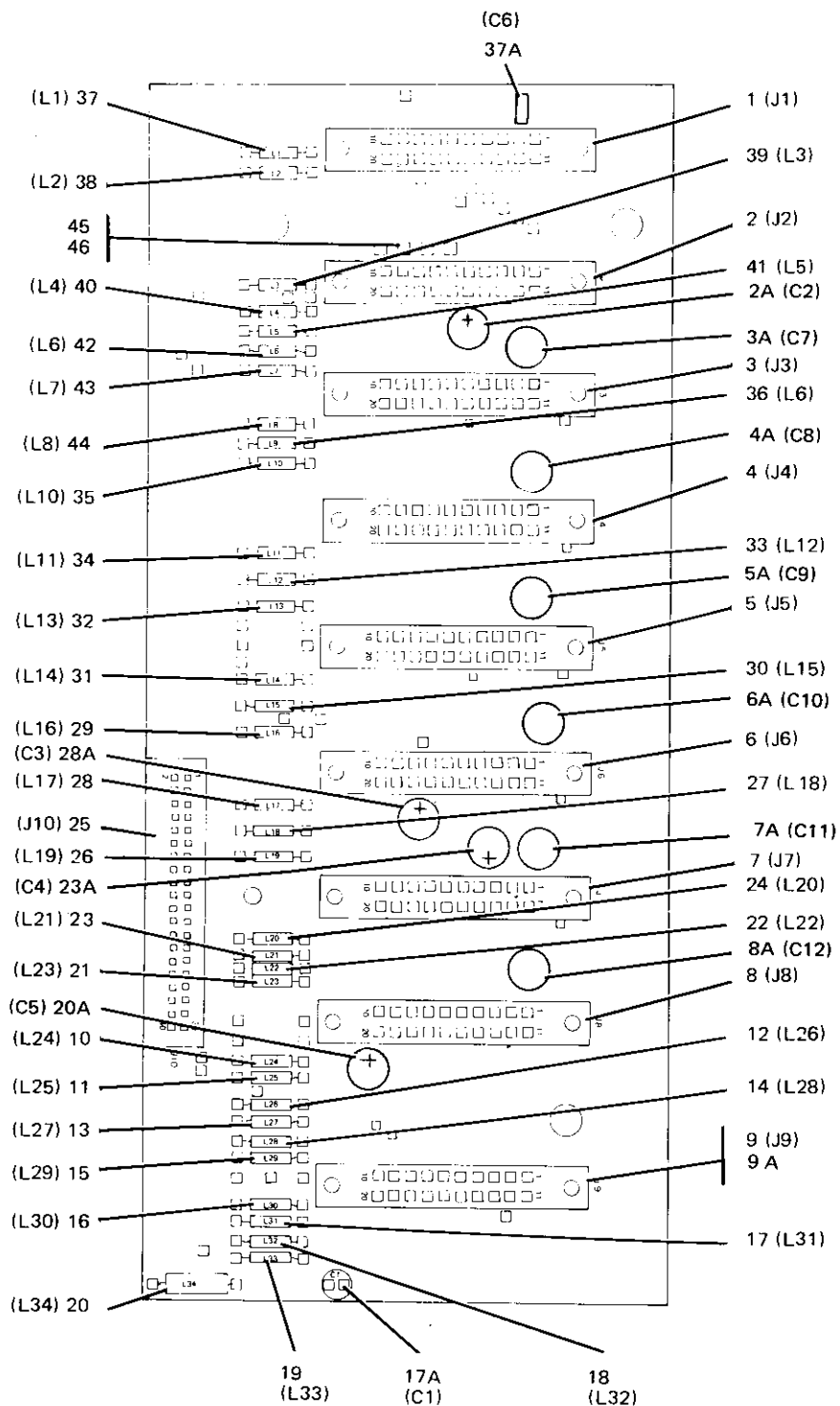


TPA - 3573 - 019

Synthesizer Chassis A23
Figure 4

GROUP ASSEMBLY PARTS LIST

FIG- ITEM	PART NO	INDENT	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
4-	635-9697-001	1	SYNTHESIZER CHASSIS A23 (SEE FIG 1-19 FOR NHA)	REF	
1	635-4778-001	2	COVER, BOTTOM	1	
	MS51957-3	2	SCREW, MACH CD PL STL, 2-56 X 1/4 (96906)	6	
			343-0124-000 (AP)		
	MS35338-134	2	WASHER, LOCK SST, 0.088 ID X 0.172 OD (96906)	6	
			310-0275-000 (AP)		
2	623-1379-001	2	BUSHING	1	
3	637-1526-003	2	CABLE ASSY, RF COAX	1	
4	52-312-9040	3	CONNECTOR, RCPT ELEC (98291) 357-7207-220 A23J45	1	
5	52-312-9040	3	CONNECTOR, RCPT ELEC (98291) 357-7207-220 A23J28	1	
6	RG178BU	3	CABLE, RF (81349) 425-1538-000	AR	
7	637-1529-001	2	CABLE ASSY, RF COAX	1	
8	52-312-9040	3	CONNECTOR, RCPT ELEC (98291) 357-7207-220 A23J39	1	
9	RG178BU	3	CABLE, RF (81349) 425-1538-000	AR	
10	637-1529-001	2	CABLE ASSY, RF COAX	1	
11	52-312-9040	3	CONNECTOR, RCPT ELEC (98291) 357-7207-220 A23J52	1	
12	RG178BU	3	CABLE, RF (81349) 425-1538-000	AR	
13	623-1379-001	2	BUSHING	1	
14	623-1526-004	2	CABLE ASSY, RF COAX	1	
15	52-312-9040	3	CONNECTOR, RCPT ELEC (98291) 357-7207-220 A23J44	1	
16	52-312-9040	3	CONNECTOR, RCPT ELEC (98291) 357-7207-220 A23J49	1	
17	RG178BU	3	CABLE, RF (81349) 425-1538-000	AR	
18	623-1379-001	2	BUSHING	1	
19	637-1526-003	2	CABLE ASSY, RF COAX	1	
20	52-312-9040	3	CONNECTOR, RCPT ELEC (98291) 357-7207-220 A23J43	1	
21	52-312-9040	3	CONNECTOR, RCPT ELEC (98291) 357-7207-220 A23J24	1	
22	RG178BU	3	CABLE, RF (81349) 425-1538-000	AR	
22A	7-50-60	2	GROMMET, RBR (77969) 201-0088-000 (EFF REV LTR C)	2	
23	635-0696-001	2	SYNTHESIZER SIDEBBOARD A23A1 (SEE FIG 5)	1	
	P313-0156-000	2	NUT, PLAIN, HEX NP BRS, 4-40 (77250) 313-0156-000 (AP)	18	
	MS35338-97	2	WASHER, SPRING CD PL BRZ, 0.115 ID X 0.209 OD (96906)	18	
			310-0095-000 (AP)		
	DIE845	2	WASHER, FLAT SST, 0.119 ID X 0.218 OD (72606)	18	
			310-0460-000 (AP)		
	P343-0289-000	2	SCREW, MACH NP BRS, 4-40 X 1/2 (77250) 343-0289-000	18	
			(AP)		
24	540-9033-003	2	POST	1	
	P343-0234-000	2	SCREW, MACH SST, 10-32 X 1-3/8 (77250) 343-0234-000	1	
			(AP)		
	DIE845	2	WASHER, FLAT SST, 0.119 ID X 0.218 OD (72606)	1	
			310-0460-000 (AP)		
	MS51959-12	2	SCREW, MACH SST, 4-40 X 3/16 (96906) 342-0043-000 (AP)	1	
	4704-04-01-4102	2	WASHER, LOCK SST, 0.124 ID X 0.275 OD (78189)	1	
			373-0154-000 (AP)		
25	635-4779-001	2	CHASSIS, PRSD	1	



NOTE: C1 THRU C12, L1 THRU L34 ARE MOUNTED ON BOTTOM OF BOARD

TP5-1213-019

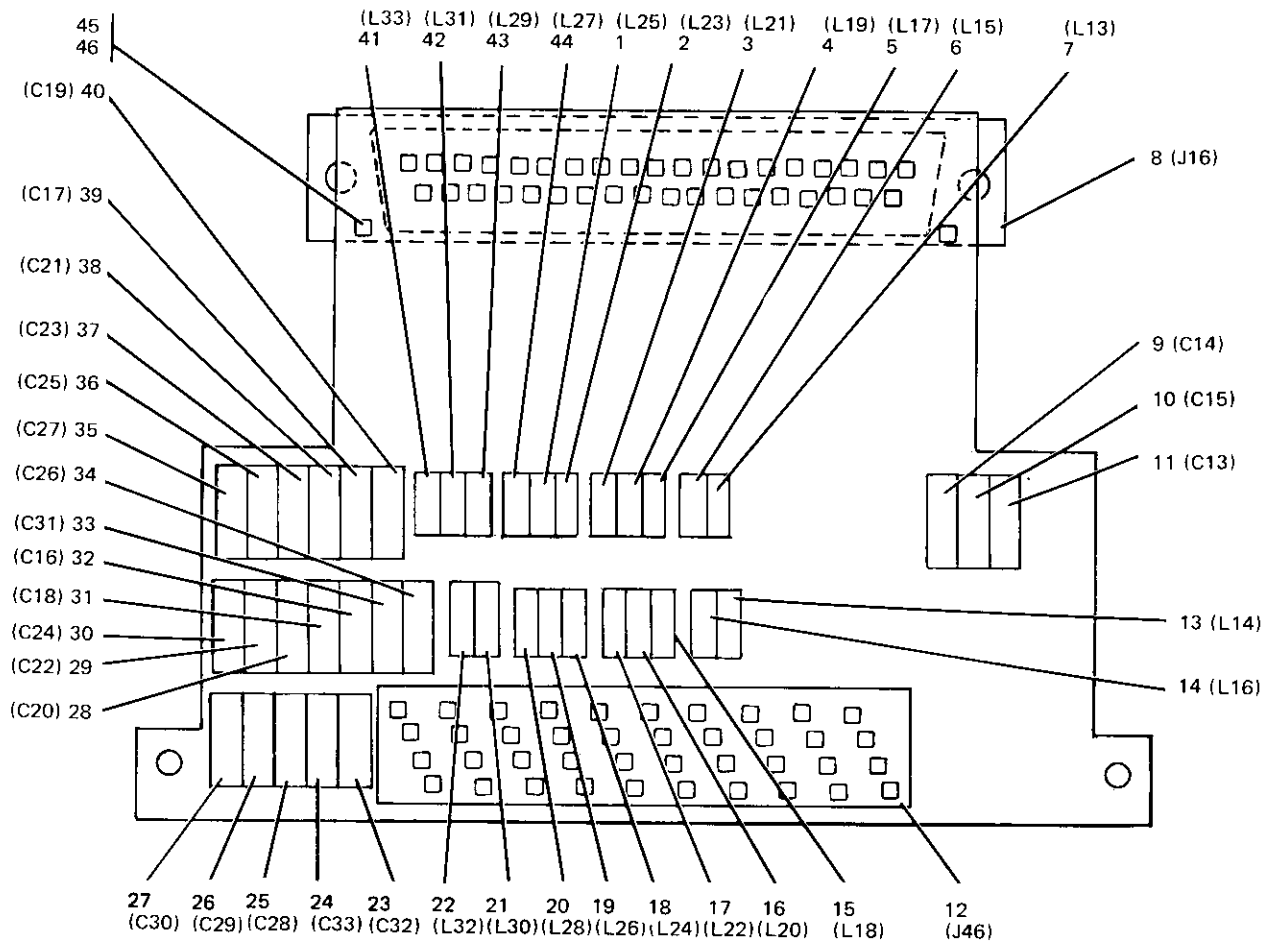
Synthesizer Sideboard A23A1
Figure 5

GROUP ASSEMBLY PARTS LIST

FIG-ITEM	PART NO	INDENT	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
5-	635-0696-001	1	SYNTH SIDEBOARD A23A1 (SEE FIG 4-23 FOR NHA)	REF	
1	3VN10-1CDD3	2	CONNECTOR,RCPT ELEC (05574) 372-7086-010 A23A1J1	1	
2	3VN10-1CDD3	2	CONNECTOR,RCPT ELEC (05574) 372-7086-010 A23A1J2	1	
2A	199D336X0010DB1	2	CAPACITOR,FXD TNTLM ELCTLT, 33UF, 20%, 10V (56289) 184-9102-090 A23A1C2 (EFF REV LTR G)	1	
3	3VN10-1CDD3	2	CONNECTOR,RCPT ELEC (05574) 372-7086-010 A23A1J3	1	
3A	CD5FY151J0	2	CAPACITOR,FXD MICA DIEL, 150PF, 5%, 50V (93790) 912-4141-400 A23A1C7 (EFF REV LTR G)	1	
4	3VN10-1CDD3	2	CONNECTOR,RCPT ELEC (05574) 372-7086-010 A23A1J4	1	
4A	CD5FY151J0	2	CAPACITOR,FXD MICA DIEL, 150PF, 5%, 50V (93790) 912-4141-400 A23A1C8 (EFF REV LTR G)	1	
5	3VN10-1CDD3	2	CONNECTOR,RCPT ELEC (05574) 372-7086-010 A23A1J5	1	
5A	CD5FY151J0	2	CAPACITOR,FXD MICA DIEL, 150PF, 5%, 50V (93790) 912-4141-400 A23A1C9 (EFF REV LTR G)	1	
6	3VN10-1CDD3	2	CONNECTOR,RCPT ELEC (05574) 372-7086-010 A23A1J6	1	
6A	CD5FY151J0	2	CAPACITOR,FXD MICA DIEL, 150PF, 5%, 50V (93790) 912-4141-400 A23A1C10 (EFF REV LTR G)	1	
7	3VN10-1CDD3	2	CONNECTOR,RCPT ELEC (05574) 372-7086-010 A23A1J7	1	
7A	CD5FY151J0	2	CAPACITOR,FXD MICA DIEL, 150PF, 5%, 50V (93790) 912-4141-400 A23A1C11 (EFF REV LTR G)	1	
8	3VN10-1CDD3	2	CONNECTOR,RCPT ELEC (05574) 372-7086-010 A23A1J8	1	
8A	CD5FY151J0	2	CAPACITOR,FXD MICA DIEL, 150PF, 5%, 50V (93790) 912-4141-400 A23A1C12 (EFF REV LTR G)	1	
9	3VN10-1CDD3	2	CONNECTOR,RCPT ELEC (05574) 372-7086-010 A23A1J9	1	
9A	091-0071-000	2	CONNECTOR,RCPT ELEC (05574) 372-7600-270	9	
10	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 A23A1L24	1	
11	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 A23A1L25	1	
12	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 A23A1L26	1	
13	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 A23A1L27	1	
14	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 A23A1L28	1	
15	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 A23A1L29	1	
16	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 A23A1L30	1	
17	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 A23A1L31	1	
17A	199D336X0010DB1	2	CAPACITOR,FXD TNTLM ELCTLT, 33UF, 20%, 10V (56289) 184-9102-090 A23A1C1	1	
18	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 A23A1L32	1	
19	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 A23A1L33	1	
20	MS75089-11	2	COIL,RF 100UH (96906) 240-2715-370 A23A1L34	1	
20A	199D336X0010DB1	2	CAPACITOR,FXD TNTLM ELCTLT, 33UF, 20%, 10V (56289) 184-9102-090 A23A1C5 (EFF REV LTR G)	1	
21	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 A23A1L23	1	
22	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 A23A1L22	1	
23	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 A23A1L21	1	
23A	199D336X0010DB1	2	CAPACITOR,FXD TNTLM ELCTLT, 33UF, 20%, 10V (56289) 184-9102-090 A23A1C4 (EFF REV LTR G)	1	
24	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 A23A1L20	1	
25	87478-7	2	HOUSING,CONN,EL (00779) 372-0043-480 A23A1J10	1	
26	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 A23A1L19	1	
27	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 A23A1L18	1	
28	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 A23A1L17	1	
28A	199D336X0010DB1	2	CAPACITOR,FXD TNTLM ELCTLT, 33UF, 20%, 10V (56289) 184-9102-090 A23A1C3 (EFF REV LTR G)	1	
29	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 A23A1L16	1	
30	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 A23A1L15	1	
31	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 A23A1L14	1	
32	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 A23A1L13	1	
33	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 A23A1L12	1	
34	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 A23A1L11	1	
35	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 A23A1L10	1	
36	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 A23A1L9	1	
37	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 A23A1L1	1	
37A	199D475X0035DE3	2	CAPACITOR,FXD TNTLM ELCTLT, 4.7UF, 20%, 35V (56289) 184-9102-830 A23A1C6 (EFF REV LTR G)	1	

GROUP ASSEMBLY PARTS LIST

FIG- ITEM	PART NO	INDENT	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
5-38	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 A23A1L2	1	
39	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 A23A1L3	1	
40	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 A23A1L4	1	
41	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 A23A1L5	1	
42	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 A23A1L6	1	
43	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 A23A1L7	1	
44	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 A23A1L8	1	
45	372-2601-012	2	CONTACT,ELEC	4	



TPA-1123-019

RFI Filter
Figure 6

GROUP ASSEMBLY PARTS LIST

FIG- ITEM	PART NO	INDENT	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
6-	637-2712-004	1	RFI FILTER (SEE FIG 1-81 FOR NHA)	REF	
1	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 L25	1	
2	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 L23	1	
3	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 L21	1	
4	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 L19	1	
5	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 L17	1	
6	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 L15	1	
7	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 L13	1	
8	DCU37PBF	2	CONNECTOR,PLUG ELEC (71468) 371-0385-090 J16	1	
9	805-014X5V0103Z	2	CAPACITOR,FXD CER DIEI, 0.01UF, P80%M20%, 100V (12294) 913-3680-000 C14	1	
10	805-014X5V0103Z	2	CAPACITOR,FXD CER DIEI, 0.01UF, P80%M20%, 100V (12294) 913-3680-000 C15	1	
11	805-014X5V0103Z	2	CAPACITOR,FXD CER DIEI, 0.01UF, P80%M20%, 100V (12294) 913-3680-000 C13	1	
12	637-9313-001	2	CONNECTOR J46	1	
13	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 L14	1	
14	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 L16	1	
15	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 L18	1	
16	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 L20	1	
17	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 L22	1	
18	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 L24	1	
19	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 L26	1	
20	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 L28	1	
21	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 L30	1	
22	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 L32	1	
23	805-014X5V0103Z	2	CAPACITOR,FXD CER DIEI, 0.01UF, P80%M20%, 100V (12294) 913-3680-000 C32	1	
24	805-014X5V0103Z	2	CAPACITOR,FXD CER DIEI, 0.01UF, P80%M20%, 100V (12294) 913-3680-000 C33	1	
25	805-014X5V0103Z	2	CAPACITOR,FXD CER DIEI, 0.01UF, P80%M20%, 100V (12294) 913-3680-000 C28	1	
26	805-014X5V0103Z	2	CAPACITOR,FXD CER DIEI, 0.01UF, P80%M20%, 100V (12294) 913-3680-000 C29	1	
27	805-014X5V0103Z	2	CAPACITOR,FXD CER DIEI, 0.01UF, P80%M20%, 100V (12294) 913-3680-000 C30	1	
28	805-014X5V0103Z	2	CAPACITOR,FXD CER DIEI, 0.01UF, P80%M20%, 100V (12294) 913-3680-000 C20	1	
29	805-014X5V0103Z	2	CAPACITOR,FXD CER DIEI, 0.01UF, P80%M20%, 100V (12294) 913-3680-000 C22	1	
30	805-014X5V0103Z	2	CAPACITOR,FXD CER DIEI, 0.01UF, P80%M20%, 100V (12294) 913-3680-000 C24	1	
31	805-014X5V0103Z	2	CAPACITOR,FXD CER DIEI, 0.01UF, P80%M20%, 100V (12294) 913-3680-000 C18	1	
32	805-014X5V0103Z	2	CAPACITOR,FXD CER DIEI, 0.01UF, P80%M20%, 100V (12294) 913-3680-000 C16	1	
33	805-014X5V0103Z	2	CAPACITOR,FXD CER DIEI, 0.01UF, P80%M20%, 100V (12294) 913-3680-000 C31	1	
34	805-014X5V0103Z	2	CAPACITOR,FXD CER DIEI, 0.01UF, P80%M20%, 100V (12294) 913-3680-000 C26	1	
35	805-014X5V0103Z	2	CAPACITOR,FXD CER DIEI, 0.01UF, P80%M20%, 100V (12294) 913-3680-000 C27	1	
36	805-014X5V0103Z	2	CAPACITOR,FXD CER DIEI, 0.01UF, P80%M20%, 100V (12294) 913-3680-000 C25	1	
37	805-014X5V0103Z	2	CAPACITOR,FXD CER DIEI, 0.01UF, P80%M20%, 100V (12294) 913-3680-000 C23	1	
38	805-014X5V0103Z	2	CAPACITOR,FXD CER DIEI, 0.01UF, P80%M20%, 100V (12294) 913-3680-000 C21	1	
39	805-014X5V0103Z	2	CAPACITOR,FXD CER DIEI, 0.01UF, P80%M20%, 100V (12294) 913-3680-000 C17	1	
40	805-014X5V0103Z	2	CAPACITOR,FXD CER DIEI, 0.01UF, P80%M20%, 100V (12294) 913-3680-000 C19	1	
41	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 L33	1	

GROUP ASSEMBLY PARTS LIST

FIG- ITEM	PART NO	INDENT	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
6-42	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 L31	1	
43	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 L29	1	
44	MS75085-07	2	COIL,RF 100UH (96906) 240-2047-000 L27	1	
45	372-2601-010	2	CONTACT,ELEC	2	
46	4007-4HT	2	TERMINAL,LUG (77147) 304-0015-000	2	

3. NUMERICAL INDEX

PART NUMBER	FIG-ITEM	TTL REQ	PART NUMBER	FIG-ITEM	TTL REQ
AGC250-1	1-6	5	MS35338-134	2-29	
AGC250-2	1-6	5		2-31	
CD5FY151J0	5-3A			2-33	
	5-4A			2-53	
	5-5A			4-1	30
	5-6A		MS35338-135	1-47	
	5-7A			1-83	
	5-8A	6		2-24	
CK63AW103M	1-69			2-27	
	1-70			2-35	
	1-71			2-33	
	1-72			2-54	30
	1-73		MS35338-138	1-8	4
	1-74		MS35338-97	4-23	18
	1-75		MS35338-99	1-82	1
	1-76		MS35649-224	2-11B	4
	1-77	9	MS35649-244	1-83	3
DA27395E	3-2		MS35649-264	2-39	4
	3-4		MS51957-11	1-80	2
	3-5		MS51957-13	1-5	
	3-6			1-47	26
	3-7		MS51957-13B	2-24	
	3-8			2-27	
	3-9			2-54	16
	3-10		MS51957-15	1-83	3
	3-11		MS51957-18B	2-35	2
	3-13		MS51957-27B	1-21	4
	3-14		MS51957-28	1-1	
	3-15			1-18	
	3-16			1-19	13
	3-21		MS51957-28B	2-39	4
	3-21A		MS51957-29	1-86	7
	3-21B		MS51957-3	1-10	
	3-22			1-81	
	3-23			4-1	12
	3-24		MS51957-3B	2-31	
	3-25			2-33	
	3-29			2-53	14
	3-31		MS51957-30	1-1	
	3-33	23		1-68	4
DBM25S	1-49	1	MS51957-4	2-29	4
DCU37PBF	6-8	1	MS51957-4B	2-29	4
DIE845	4-23		MS51957-5B	2-11B	4
	4-24	19	MS51958-61	1-86	2
ES26U3-5SF	1-26	AR	MS51959-12	2-2	
F02B250V1AS	1-6	5		4-24	3
F1-15H4	2-52	1	MS75085-07	5-10	
MDX2	1-6	5		5-11	
MS15795-802	2-29	4		5-12	
MS25237-327-15	1-6			5-13	
	2-36			5-14	
	2-37	4		5-15	
MS35206-321	2-31	2		5-16	
MS35338-134	1-10			5-17	
	1-81			5-18	
	2-11B			5-19	

NUMERICAL INDEX

PART NUMBER	FIG-ITEM	TTL REQ	PART NUMBER	FIG-ITEM	TTL REQ
MS75085-07	5-21		P334-0268-000	1-8	4
	5-22		P343-0234-000	4-24	1
	5-23		P343-0285-000	2-38	1
	5-24		P343-0289-000	4-23	18
	5-26		P343-0291-000	2-35	3
	5-27		P343-0309-000	1-82	1
	5-28		P500	1-79	1
	5-29		RB67-1-0ML9	2-18	
	5-30			2-20	2
	5-31		RB67-1DCML	2-3	
	5-32			2-5	
	5-33			2-13	
	5-34			2-15	4
	5-35		RB67-5CTM	2-12	1
	5-36		RCR07G101JS	3-34	1
	5-37		RCR07G104KS	3-18	1
	5-38		RCR07G105KS	3-19	1
	5-39		RCR07G223KS	3-26	1
	5-40		RCR07G271KS	3-3	
	5-41			3-20	
	5-42			3-27	
	5-43			3-28	
	5-44			3-30	
	6-1			3-32	
	6-2			3-35	7
	6-3		RCR07G560KS	2-42	1
	6-4		RG178BU	1-32	AR
	6-5			1-40	AR
	6-6			1-40D	AR
	6-7			1-44	AR
	6-13			1-57	AR
	6-14			1-61	AR
	6-15			1-65	AR
	6-16			4-6	AR
	6-17			4-9	AR
	6-18			4-12	AR
	6-19			4-17	AR
	6-20			4-22	AR
	6-21		RN55D1540F	3-36	1
	6-22		RN55D16R9F	3-1	1
	6-41		RV2NAYS0103B	2-16	1
	6-42		X8014-1	2-39	1
	6-43		024-0057-000	1-6	1
	6-44	53	024-0058-000	1-6	1
MS75089-11	5-20	1	091-0071-000	5-9A	9
M24308-26-1	1-81	4	1-480318-0	1-23	1
M641-6-1	2-17	1	1-480319-0	2-41	1
NE15F01-0003-00	2-51	1	1-480426-0	2-50	1
P312-0116-000	1-8	4	115-0260-003	1-46	5
P313-0045-000	1-19		12-954	1-36	AR
	1-21		150-0810-040	1-5	20
	1-68	10	150-0836-010	1-85	1
P313-0051-000	2-35		150-1012-030	1-46	5
	2-38	5	17250	1-87	1
P313-0064-000	2-4		184-9102-090	5-2A	
	2-6			5-17A	
	2-14			5-20A	
	2-16			5-23A	
	2-19			5-28A	5
	2-21	6	184-9102-250	2-44	1
P313-0132-000	2-2	2	184-9102-830	5-37A	1
P313-0156-000	4-23	18	199D226X0025PE4	2-44	1
P325-0051-000	1-3	2	199D336X0010DB1	5-2A	

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199D336X0010DB1	5-17A		259-7201-060	2-14	1
	5-20A		259-7201-100	2-4	1
	5-23A		259-8017-020	2-19	1
	5-28A	5	262-1106-000	1-6	
199D475X0035DE3	5-37A	1		2-36	
201-0088-000	4-22A	2		2-37	4
23071-4	1-5	20	264-0305-000	1-6	5
240-2047-000	5-10		264-0721-000	1-6	5
	5-11		264-0723-000	1-6	5
	5-12		264-4280-000	1-6	5
	5-13		266-5415-120	2-11	1
	5-14		266-5415-130	2-6A	1
	5-15		266-5415-140	2-9	1
	5-16		266-5415-160	2-7	
	5-17			2-8	
	5-18			2-10	3
	5-19		266-5415-170	2-9	1
	5-21		266-5415-970	2-12A	1
	5-22		266-7508-210	2-52	1
	5-23		266-7524-010	2-51	1
	5-24		271-0250-010	2-39	1
	5-26		280-1363-350	1-2	1
	5-27		280-2745-010	2-41A	1
	5-28		280426BF1	2-6	1
	5-29		280429BF1	2-14	1
	5-30		280444BF1	2-4	1
	5-31		281-0650-010	2-3	
	5-32			2-5	
	5-33			2-13	
	5-34			2-15	4
	5-35		281-0650-030	2-18	
	5-36			2-20	2
	5-37		281-0650-040	2-12	1
	5-38		3VN10-1CDD3	5-1	
	5-39			5-2	
	5-40			5-3	
	5-41			5-4	
	5-42			5-5	
	5-43			5-6	
	5-44			5-7	
	6-1			5-8	
	6-2			5-9	9
	6-3		304-0015-000	6-46	2
	6-4		304-1089-000	1-83	3
	6-5		308-0312-020	1-79	1
	6-6		310-0046-000	1-19	4
	6-7		310-0057-000	1-82	1
	6-13		310-0071-000	1-19	
	6-14			1-21	
	6-15			1-68	10
	6-16		310-0095-000	4-23	18
	6-17		310-0098-000	1-82	1
	6-18		310-0275-000	1-10	
	6-19			1-81	
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	6-21			2-29	
	6-22			2-31	
	6-41			2-33	
	6-42			2-53	
	6-43			4-1	30
	6-44	53			
240-2715-370	5-20	1	310-0279-000	1-47	
259-7201-030	2-6	1		1-83	
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310-0279-000	2-27		343-0674-000	2-11B	4
	2-35		3484-1000	1-85	1
	2-38		353-18-05-001	1-25	1
	2-54	30	353-18-10-001	1-78	1
310-0284-000	1-8	4	353-3644-010	3-2	
310-0460-000	4-23			3-4	
	4-24	19		3-5	
310-0779-020	2-29	4		3-6	
310-6340-000	1-47			3-7	
	2-35	6		3-8	
312-0116-000	1-8	4		3-9	
313-0002-000	2-39	4		3-10	
313-0037-000	2-11B	4		3-11	
313-0043-000	1-83	3		3-13	
313-0045-000	1-19			3-14	
	1-21			3-15	
	1-68	10		3-16	
313-0051-000	2-35			3-21	
	2-38	5		3-21A	
313-0064-000	2-4			3-21B	
	2-6			3-22	
	2-14			3-23	
	2-16			3-24	
	2-19			3-25	
	2-21	6		3-29	
313-0132-000	2-2	2		3-31	
313-0156-000	4-23	18		3-33	23
325-0051-000	1-3	2	357-7129-010	1-56	
334-0268-000	1-8	4		1-60	
340-1010-000	2-35	1		1-64	3
342-0043-000	2-2		357-7207-220	1-30	
	4-24	3		1-31	
343-0019-000	2-24			1-38	
	2-27			1-39	
	2-54	16		1-40B	
343-0024-000	2-35	2		1-40C	
343-0033-000	1-21	4		1-42	
343-0034-000	2-39	4		1-43	
343-0072-000	2-31			1-55	
	2-33			1-59	
	2-53	14		1-63	
343-0124-000	1-10			4-4	
	1-81			4-5	
	4-1	12		4-8	
343-0125-000	2-29	4		4-11	
343-0131-000	1-80	2		4-15	
343-0133-000	1-5			4-16	
	1-47	26		4-20	
343-0135-000	1-83	3		4-21	19
343-0169-000	1-1		357-7374-010	1-34	
	1-18			1-35A	2
	1-19	13		1-35	1
343-0170-000	1-86	7	357-7533-010	2-17	1
343-0171-000	1-1		358-1040-000	1-25	1
	1-68	4	367-0013-000	1-78	1
343-0226-000	1-86	2	367-0018-000	1-24	1
343-0234-000	4-24	1	367-0854-000	1-81	4
343-0285-000	2-38	1	371-0221-000	1-49	1
343-0289-000	4-23	18	371-0385-090	6-8	1
343-0291-000	2-35	3	372-0033-040	3-17	1
343-0309-000	1-82	1	372-0033-080	3-12	1
343-0472-000	2-31	2	372-0043-480	5-25	1
343-0672-000	2-29	4	372-2255-020	2-47	6

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372-2601-012	5-45	4	520-8360-210	1-94	
372-5884-060	1-22	2	520-8360-211	1-95	
372-5884-200	2-40			1-96	
	2-49	6	520-8360-212	1-97	
372-5884-320	2-41	1	520-8360-213	1-100	
372-5884-330	1-23	1	520-8360-214	1-101	
372-5884-480	2-50	1		1-102	
372-7086-010	5-1			1-103	
	5-2			1-104	
	5-3		520-8360-215	1-91	
	5-4		520-8360-216	1-105	
	5-5		520-8360-231	1-98	
	5-6			1-99	
	5-7		540-9006-003	1-81	
	5-8			2-33	
	5-9	9		2-53	8
372-7600-270	5-9A	9	540-9033-003	4-24	1
373-0154-000	4-24	1	540-9039-003	1-47	4
380-2507-000	2-16	1	540-9053-003	2-54	4
382-0047-030	2-21	1	540-9096-003	2-31	2
4007-4HT	6-46	2	541-6106-002	1-8	4
403	1-83	3	600J	1-24	1
425-0217-010	1-36	AR	60617-1	1-22	2
425-1538-000	1-32	AR	60618-1	2-40	
	1-40	AR		2-49	6
	1-40D	AR		2-45	1
	1-44	AR	610-2150-001	1-87	
	1-57	AR	622-3460-001	1-89	
	1-61	AR	622-3461-001	1-91	
	1-65	AR	622-3462-001	1-	1
	4-6	AR	622-4272-008	1-	1
	4-9	AR	622-4272-009	1-94	
	4-12	AR	622-4606-XXX	1-95	
	4-17	AR	622-4607-001	1-96	
	4-22	AR	622-4607-002	1-97	
426-1034-010	1-87	1	622-4608-001	1-98	
439-0661-000	1-26	AR	622-4610-001	1-99	
450-0151-010	2-38	1	622-4610-002	1-100	
4704-04-01-4102	4-24	1	622-4611-XXX	1-101	
51-071-0019	1-35	1	622-4612-001	1-102	
51-330-3188	1-34		622-4612-002	1-103	
	1-35A	2	622-4612-003	1-104	
52-312-9040	1-30		622-4612-004	1-105	
	1-31		622-4614-XXX	1-66	
	1-38		623-1379-001	4-2	
	1-39			4-13	
	1-40B			4-18	22
	1-40C		623-1526-004	4-14	1
	1-42		623-2080-001	1-16	1
	1-43		623-2080-002	1-15	1
	1-55		623-2080-003	1-14	1
	1-59		623-2080-004	1-98	
	1-63		623-2085-001	1-12	1
	4-4		623-9008-001	2-1	1
	4-5		630-2262-001	1-46	1
	4-8		632-5201-001	2-2	1
	4-11		635-0655-001	1-88	
	4-15			1-90	
	4-16		635-0656-001	1-11	1
	4-20		635-0657-001	1-13	1
	4-21	19	635-0696-001	4-23	1
520-8360-132	1-87		5-	REF	

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635-0742-001	1-94		637-3760-002	1-47	1
635-0748-001	1-4	1	637-3760-003	1-47	1
635-0751-002	1-92		637-3761-001	1-50	1
635-0752-002	1-93		637-3762-001	1-48	1
635-0825-010	2-32	1	637-3763-001	2-46	1
635-0900-001	2-11B	1	637-3792-001	2-7A	
635-2104-000	1-80	1		2-11A	3
635-4777-001	1-10	1	637-3796-001	1-97	
635-4778-001	4-1	1		1-100	
635-4779-001	4-25	1	637-3798-001	1-33	1
635-4930-002	1-17	1	637-9121-001	1-3	1
635-4932-001	1-68	1	637-9135-001	1-89	
635-9601-001	2-24	2	637-9136-001	1-91	
635-9602-001	2-22	1	637-9313-001	6-12	1
635-9614-001	2-35	1	638-6060-001	2-48	1
635-9615-001	2-27	1		3-	REF
635-9616-001	1-7	2	638-6060-002	2-48	1
635-9636-002	1-52	1		3-	REF
635-9649-001	1-67	1	638-6063-001	2-30	1
635-9652-001	1-86	1	638-6065-001	1-9	1
635-9658-001	1-18	1	638-6067-001	1-96	
635-9669-001	1-45	1	638-6071-001	1-53	1
635-9678-001	1-1	1	642-3224-001	1-99	
635-9697-001	1-19	1	646-5388-966	1-84	1
	4-	REF	646-7008-001	1-29	
637-1524-001	1-51	1		1-33	
637-1524-002	1-51	1		1-41	4
637-1525-001	1-62	1	647-7802-001	2-25	1
637-1525-002	1-54		7-50-60	4-22A	2
	1-58	2	705-0911-000	3-1	1
637-1526-002	1-29		705-0957-000	3-36	1
	1-41	2	7101P3PD9V40B	2-6A	1
637-1526-003	4-3		7103P3PD9V40B	2-11	1
	4-19	2	7201P3PD9V40B	2-9	1
637-1526-005	1-37		7207P3PD9V40B	2-9	1
	1-40A	2	7208P3PD9V	2-12A	1
637-1529-001	4-7		7211P3PD9V40B	2-7	
	4-10	2		2-8	
637-1546-001	2-29	2		2-10	3
637-1547-001	2-23	1	745-0704-000	2-42	1
637-1767-001	1-104		745-0712-000	3-34	1
637-1767-002	1-103		745-0728-000	3-3	
637-1767-005	1-105			3-20	
637-1769-001	1-6	1		3-27	
637-1777-001	1-6	1		3-28	
637-1779-001	2-34	1		3-30	
637-1781-009	2-28	1		3-32	
637-2515-XXX	1-101			3-35	7
637-2647-XXX	1-95		745-0797-000	3-26	1
637-2650-XXX	1-106		745-0821-000	3-18	1
637-2712-004	1-81	1	745-0857-000	3-19	1
	6-	REF	7521	2-38	1
637-3745-001	1-20	1	801-B3800B75	1-56	
637-3748-003	2-25	1		1-60	
637-3749-001	2-26	1		1-64	3
637-3751-001	2-55	1	805-014X5V0103Z	1-27	
637-3754-001	1-82	1		2-43	
637-3757-001	1-102			6-9	
637-3758-004	1-28	1		6-10	
	2-	REF		6-11	
637-3758-005	1-28	1		6-23	
	2-	REF		6-24	
637-3759-001	1-21	1		6-25	

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	6-40	23			
86418-3	3-17	1			
86418-8	3-12	1			
87478-7	5-25	1			
912-4141-400	5-3A				
	5-4A				
	5-5A				
	5-6A				
	5-7A				
	5-8A	6			
913-1188-000	1-69				
	1-70				
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	1-77	9			
913-3680-000	1-27				
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A1	1-67	635-9649-001	A2A2R2	3-1	RN55D16R9F
A1C43	1-27	805-014X5V0103Z	A2A2R3	3-28	RCR07G271KS
A1J47	1-23	1-480318-0	A2A2R4	3-32	RCR07G271KS
A1TB3	1-25	353-18-05-001	A2A2R6	3-27	RCR07G271KS
A10	1-9	638-6065-001	A2A2R7	3-26	RCR07G223KS
A11	1-92	635-0751-002	A2A2R8	3-20	RCR07G271KS
A12	1-84	646-5388-966	A2A2R9	3-18	RCR07G104KS
A12	1-93	635-0752-002	A2A4	2-30	638-6063-001
A13	1-94	635-0742-001	A2A5	2-28	637-1781-009
A14	1-11	635-0656-001	A2C1	2-44	199D226X0025PE4
A15	1-12	623-2085-001	A2C3	2-43	805-014X5V0103Z
A15A4	1-88	635-0655-001	A2DS1	2-36	MS25237-327-15
A15A4	1-90	635-0655-001	A2DS2	2-37	MS25237-327-15
A17	1-13	635-0657-001	A2J2	2-17	M641-6-1
A18	1-98	623-2080-004	A2LS1	2-39	X8014-1
A19	1-14	623-2080-003	A2M1	2-38	7521
A2	1-28	637-3758-005	A2P1	2-50	1-480426-0
A2	1-28	637-3758-004	A2P13	2-46	637-3763-001
A2	2-	637-3758-005	A2P2	2-41	1-480319-0
A2	2-	637-3758-004	A2R10	2-21	382-0047-030
A2A1	2-32	635-0825-010	A2R26	2-42	RCR07G560KS
A2A2	2-48	638-6060-002	A2R9	2-16	RV2NAYS0103B
A2A2	2-48	638-6060-001	A2S1	2-4	280444BF1
A2A2	3-	638-6060-002	A2S10	2-7	7211P3PD9V40B
A2A2	3-	638-6060-001	A2S11	2-10	7211P3PD9V40B
A2A2CR1	3-29	DA27395E	A2S12	2-8	7211P3PD9V40B
A2A2CR10	3-21	DA27395E	A2S13	2-45	610-2150-001
A2A2CR11	3-2	DA27395E	A2S14	2-6A	7101P3PD9V40B
A2A2CR12	3-31	DA27395E	A2S15	2-51	NE15F01-0003-00
A2A2CR13	3-9	DA27395E	A2S19	2-12A	7208P3PD9V
A2A2CR14	3-10	DA27395E	A2S20	2-11B	635-0900-001
A2A2CR15	3-11	DA27395E	A2S3	2-19	259-8017-020
A2A2CR16	3-4	DA27395E	A2S4	2-6	280426BF1
A2A2CR17	3-5	DA27395E	A2S6	2-14	280429BF1
A2A2CR18	3-8	DA27395E	A2S8	2-9	7201P3PD9V40B
A2A2CR19	3-6	DA27395E	A2S8	2-9	7207P3PD9V40B
A2A2CR2	3-33	DA27395E	A2S9	2-11	7103P3PD9V40B
A2A2CR20	3-7	DA27395E	A20	1-15	623-2080-002
A2A2CR21	3-22	DA27395E	A21	1-16	623-2080-001
A2A2CR22	3-23	DA27395E	A22	1-17	635-4930-002
A2A2CR23	3-21B	DA27395E	A23	1-19	635-9697-001
A2A2CR24	3-21A	DA27395E	A23	4-	635-9697-001
A2A2CR4	3-25	DA27395E	A23A1	4-23	635-0696-001
A2A2CR5	3-24	DA27395E	A23A1	5-	635-0696-001
A2A2CR6	3-14	DA27395E	A23A1C1	5-17A	199D336X00100B1
A2A2CR7	3-13	DA27395E	A23A1C10	5-6A	CD5FY151J0
A2A2CR8	3-15	DA27395E	A23A1C11	5-7A	CD5FY151J0
A2A2CR9	3-16	DA27395E	A23A1C12	5-8A	CD5FY151J0
A2A2P1	3-17	86418-3	A23A1C2	5-2A	199D336X00100B1
A2A2P2	3-12	86418-8	A23A1C3	5-28A	199D336X00100B1
A2A2R1	3-36	RN55D1540F	A23A1C4	5-23A	199D336X00100B1
A2A2R10	3-19	RCR07G105KS	A23A1C5	5-20A	199D336X00100B1
A2A2R11	3-35	RCR07G271KS	A23A1C6	5-37A	199D475X0035DE3
A2A2R12	3-34	RCR07G101JS	A23A1C7	5-3A	CD5FY151J0
A2A2R13	3-30	RCR07G271KS	A23A1C8	5-4A	CD5FY151J0
A2A2R14	3-3	RCR07G271KS	A23A1C9	5-5A	CD5FY151J0
			A23A1J1	5-1	3VN10-1CDD3

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A23A1J2	5-2	3VN10-1CDD3	C14	6-9	805-014X5V0103Z
A23A1J3	5-3	3VN10-1CDD3	C15	6-10	805-014X5V0103Z
A23A1J4	5-4	3VN10-1CDD3	C16	6-32	805-014X5V0103Z
A23A1J5	5-5	3VN10-1CDD3	C17	6-39	805-014X5V0103Z
A23A1J6	5-6	3VN10-1CDD3	C18	6-31	805-014X5V0103Z
A23A1J7	5-7	3VN10-1CDD3	C19	6-40	805-014X5V0103Z
A23A1J8	5-8	3VN10-1CDD3	C20	6-28	805-014X5V0103Z
A23A1J9	5-9	3VN10-1CDD3	C21	6-38	805-014X5V0103Z
A23A1L1	5-37	MS75085-07	C22	6-29	805-014X5V0103Z
A23A1L10	5-35	MS75085-07	C23	6-37	805-014X5V0103Z
A23A1L11	5-34	MS75085-07	C24	6-30	805-014X5V0103Z
A23A1L12	5-33	MS75085-07	C25	6-36	805-014X5V0103Z
A23A1L13	5-32	MS75085-07	C26	6-34	805-014X5V0103Z
A23A1L14	5-31	MS75085-07	C27	6-35	805-014X5V0103Z
A23A1L15	5-30	MS75085-07	C28	6-25	805-014X5V0103Z
A23A1L16	5-29	MS75085-07	C29	6-26	805-014X5V0103Z
A23A1L17	5-28	MS75085-07	C30	6-27	805-014X5V0103Z
A23A1L18	5-27	MS75085-07	C31	6-33	805-014X5V0103Z
A23A1L19	5-26	MS75085-07	C32	6-23	805-014X5V0103Z
A23A1L2	5-38	MS75085-07	C33	6-24	805-014X5V0103Z
A23A1L20	5-24	MS75085-07	C34	1-77	CK63AW103M
A23A1L21	5-23	MS75085-07	C35	1-76	CK63AW103M
A23A1L22	5-22	MS75085-07	C36	1-75	CK63AW103M
A23A1L23	5-21	MS75085-07	C37	1-74	CK63AW103M
A23A1L24	5-10	MS75085-07	C38	1-72	CK63AW103M
A23A1L25	5-11	MS75085-07	C39	1-73	CK63AW103M
A23A1L26	5-12	MS75085-07	C40	1-71	CK63AW103M
A23A1L27	5-13	MS75085-07	C41	1-70	CK63AW103M
A23A1L28	5-14	MS75085-07	C42	1-69	CK63AW103M
A23A1L29	5-15	MS75085-07	J14	1-49	DBM255
A23A1L3	5-39	MS75085-07	J16	6-8	DCU37PBF
A23A1L30	5-16	MS75085-07	J19	1-60	801-B3800B75
A23A1L31	5-17	MS75085-07	J20	1-56	801-B3800B75
A23A1L32	5-18	MS75085-07	J21	1-64	801-B3800B75
A23A1L33	5-19	MS75085-07	J25	1-30	52-312-9040
A23A1L34	5-20	MS75089-11	J29	1-63	52-312-9040
A23A1L4	5-40	MS75085-07	J30	1-34	51-330-3188
A23A1L5	5-41	MS75085-07	J31	1-31	52-312-9040
A23A1L6	5-42	MS75085-07	J32	1-38	52-312-9040
A23A1L7	5-43	MS75085-07	J33	1-43	52-312-9040
A23A1L8	5-44	MS75085-07	J34	1-40B	52-312-9040
A23A1L9	5-36	MS75085-07	J35	1-59	52-312-9040
A23J24	4-21	52-312-9040	J37	1-42	52-312-9040
A23J28	4-5	52-312-9040	J38	1-35	51-071-0019
A23J39	4-8	52-312-9040	J40	1-55	52-312-9040
A23J43	4-20	52-312-9040	J46	6-12	637-9313-001
A23J44	4-15	52-312-9040	J48	1-39	52-312-9040
A23J45	4-4	52-312-9040	J50	1-35A	51-330-3188
A23J46	4-11	52-312-9040	J51	1-40C	52-312-9040
A23J49	4-16	52-312-9040	L13	6-7	MS75085-07
A3	1-99	642-3224-001	L14	6-13	MS75085-07
A3	1-100	637-3796-001	L15	6-6	MS75085-07
A4	1-96	638-6067-001	L16	6-14	MS75085-07
A4	1-97	637-3796-001	L17	6-5	MS75085-07
A6	1-4	635-0748-001	L18	6-15	MS75085-07
A7	1-95	637-2647-XXX	L19	6-4	MS75085-07
A8	1-106	637-2650-XXX	L20	6-16	MS75085-07
ABA2	1-101	637-2515-XXX	L21	6-3	MS75085-07
A9	1-102	637-3757-001	L22	6-17	MS75085-07
A9	1-103	637-1767-002	L23	6-2	MS75085-07
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A9	1-105	637-1767-005	L25	6-1	MS75085-07

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W1	1-91	637-9136-001			
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