

SONY
SERVICE MANUAL

US Model
Canadian Model
Chassis No. SCC-A85A-A


SUPPLEMENT-3

File this Supplement with the Service Manual.

INTRODUCTION

Modify : D board

Addition : V. ANGLE Adjustment

 : added portion

PDF SCANNED BY
CRT DATABASE

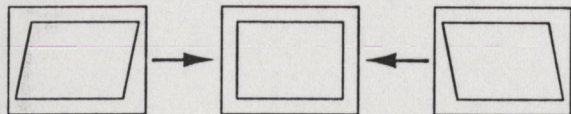
SECTION 5 CIRCUIT ADJUSTMENTS

5-1. D BOARD ADJUSTMENTS

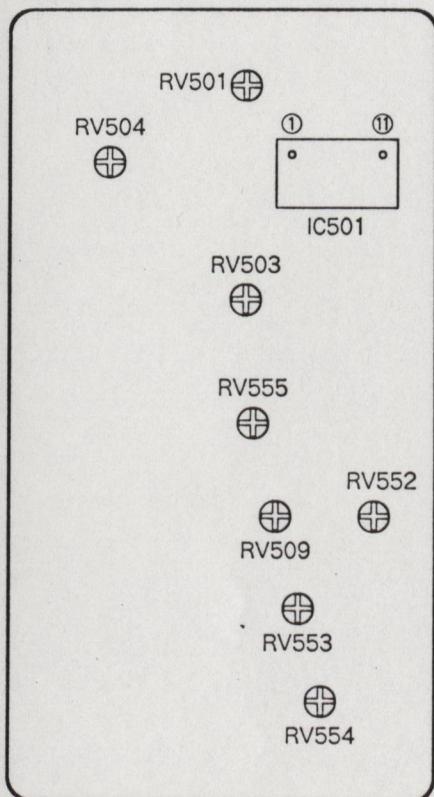
V • ANGLE ADJUSTMENT (RV509)



Adjust V • ANGLE with RV504



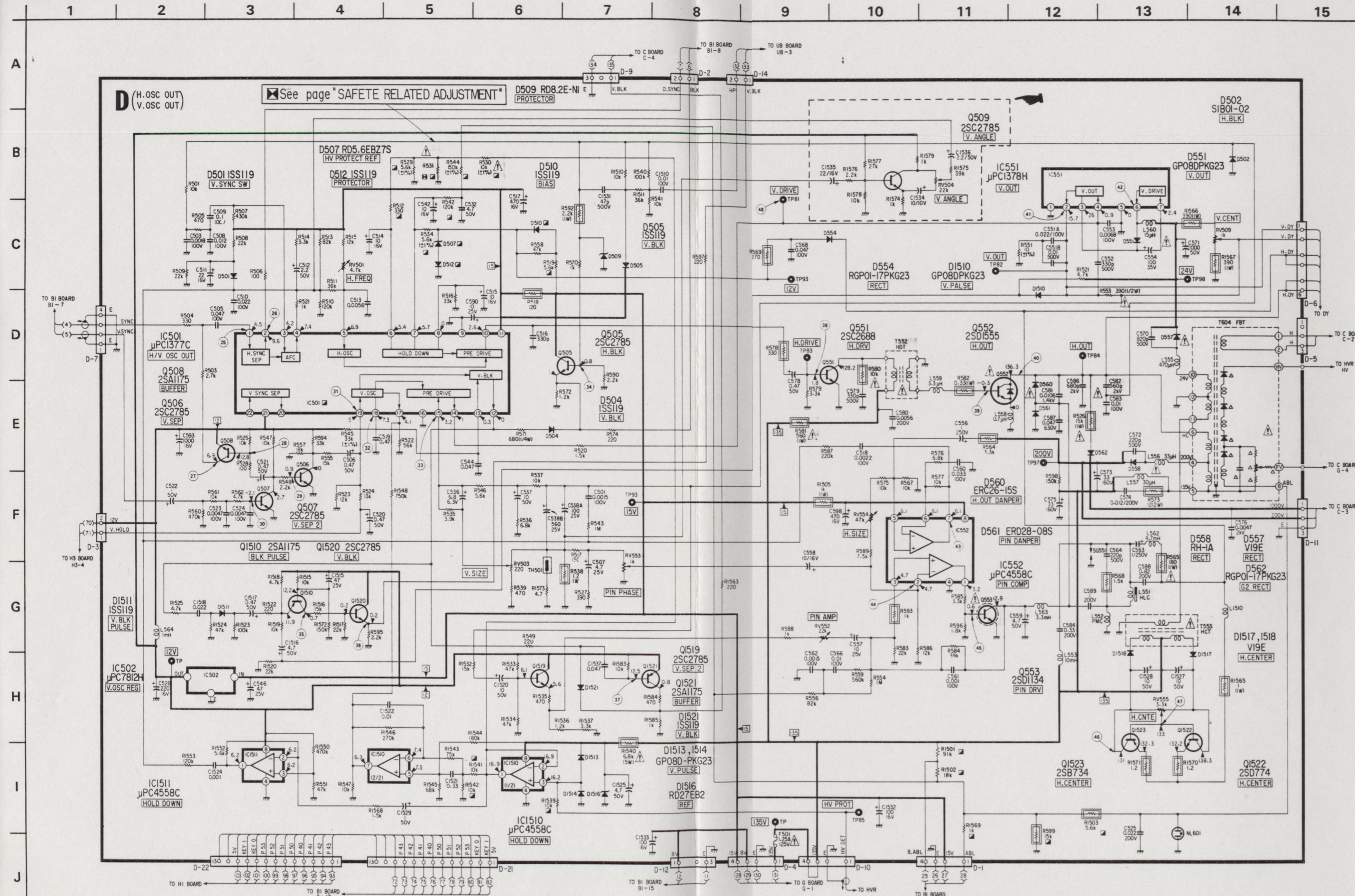
D Board



- RV501 (H.FREQ)
- IC501 ① ② (H FREQ)
- RV503 (V.SIZE)
- RV555 (H.CENT)
- RV552 (PIN AMP)
- RV509 (V.CENT)
- RV553 (PIN PHASE)
- RV554 (H.SIZE)
- RV504 (V.ANGL)

(Component side)

6-2. SCHEMATIC DIAGRAM



[D BOARD]

25	32	39	46
26	33	40	47
27	34	41	48
28	35	42	
29	36	43	
30	37	44	
31	38	45	

SECTION 8
ELECTRICAL PARTS LIST

D

NOTE:

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

• Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

• All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS

• All resistors are in ohms
• F : nonflammable

When indicating parts by reference number, please include the board name.

CAPACITORS

• MF : μ F, PF : μ μ F

COILS

• MMH : mH, UH : μ H

• The components identified by \boxtimes in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
*A-1345-691-A	D BOARD, COMPLETE	*****					
4-367-513-00	SPACER, MICA						
<CAPACITOR>							
C501	1-106-347-00	MYLAR	0.0015MF 10% 100V	C564	1-102-244-00	CERAMIC	220PF 10% 500V
C503	1-108-617-11	MYLAR	0.0018MF 10% 100V	C566	1-108-626-11	MYLAR	0.01MF 10% 100V
C505	1-108-634-11	MYLAR	0.047MF 10% 100V	C568	1-108-634-11	MYLAR	0.047MF 10% 100V
C506	1-124-902-00	ELECT	0.47MF 20% 50V	C570	1-102-212-00	CERAMIC	820PF 10% 500V
C507	1-123-369-00	ELECT	4.7MF 20% 25V	C571	1-124-637-11	ELECT	1000MF 20% 50V
C508	1-108-627-11	MYLAR	0.012MF 10% 100V	C572	1-102-244-00	CERAMIC	220PF 10% 500V
C509	1-108-638-11	MYLAR	0.1MF 10% 100V	C573	1-123-935-00	ELECT	33MF 20% 160V
C510	1-106-375-12	MYLAR	0.022MF 10% 100V	C574	1-108-693-11	MYLAR	0.012MF 10% 200V
C511	1-123-330-00	ELECT	22MF 20% 16V	C575	1-123-024-21	ELECT	33MF 160V
C512	1-124-925-11	ELECT	2.2MF 20% 50V	C576	1-162-114-00	CERAMIC	0.0047MF 2KV
C513	1-130-480-00	FILM	0.0056MF 5% 50V	C578	1-124-902-00	ELECT	0.47MF 20% 50V
C514	1-123-356-00	ELECT	10MF 20% 16V	C579	1-102-030-00	CERAMIC	330PF 10% 500V
C515	1-123-356-00	ELECT	10MF 20% 16V	C580	1-108-689-11	MYLAR	0.0056MF 10% 200V
C516	1-102-820-00	CERAMIC	330PF 5% 50V	C581 Δ	1-136-512-11	FILM	0.0106MF 3% 1.4KV
C517	1-126-103-11	ELECT	470MF 20% 16V	C582 Δ	1-162-135-51	CERAMIC	560PF 10% 2KV
C518	1-106-351-00	MYLAR	0.0022MF 10% 100V	C583 Δ	1-108-626-91	MYLAR	0.01MF 10% 100V
C519	1-136-173-00	FILM	0.47MF 5% 50V	C584	1-108-965-11	MYLAR	0.33MF 10% 200V
C520	1-124-902-00	ELECT	0.47MF 20% 50V	C586 Δ	1-162-116-51	CERAMIC	680PF 10% 2KV
C521	1-124-902-00	ELECT	0.47MF 20% 50V	C587 Δ	1-129-722-51	FILM	0.047MF 10% 630V
C522	1-124-791-11	ELECT	1MF 20% 50V	C588	1-136-540-11	FILM	0.82MF 5% 200V
C523	1-108-622-11	MYLAR	0.0047MF 10% 100V	C589	1-136-111-00	FILM	1MF 5% 200V
C524	1-108-622-11	MYLAR	0.0047MF 10% 100V	C590	1-123-356-00	ELECT	10MF 20% 25V
C525	1-108-696-11	MYLAR	0.022MF 10% 200V	C593	1-124-360-00	ELECT	1000MF 20% 16V
C526	1-124-120-11	ELECT	220MF 20% 16V	C598	1-126-103-11	ELECT	470MF 20% 16V
C532	1-124-768-11	ELECT	4.7MF 20% 50V	C1510	1-108-626-11	MYLAR	0.01MF 10% 100V
C536	1-131-382-00	TANTALUM	6.8MF 10% 6.3V	C1515	1-124-477-11	ELECT	47MF 20% 25V
C537	1-123-875-11	ELECT	10MF 20% 50V	C1516	1-124-927-11	ELECT	4.7MF 20% 50V
C538A	1-124-514-11	ELECT	100MF 20% 25V	C1517	1-124-902-00	ELECT	0.47MF 20% 50V
C538B	1-123-587-00	ELECT	560MF 10% 25V	C1518	1-106-375-12	MYLAR	0.022MF 10% 100V
C542	1-123-356-00	ELECT	10MF 20% 16V	C1520	1-123-875-11	ELECT	10MF 20% 50V
C544	1-136-499-11	FILM	0.047MF 5% 50V	C1521	1-108-822-00	MYLAR	0.33MF 5% 50V
C546	1-124-477-11	ELECT	47MF 20% 25V	C1522	1-130-483-00	MYLAR	0.01MF 5% 50V
C551A	1-106-375-12	MYLAR	0.022MF 10% 100V	C1524	1-108-792-11	MYLAR	0.001MF 5% 50V
C551B	1-102-050-00	CERAMIC	0.01MF 500V	C1525	1-124-927-11	ELECT	4.7MF 20% 50V
C552	1-102-030-00	CERAMIC	330PF 10% 500V	C1527	1-123-356-00	ELECT	10MF 20% 50V
C553	1-108-624-11	MYLAR	0.0068MF 10% 100V	C1528	1-123-356-00	ELECT	10MF 20% 50V
C554	1-123-345-00	ELECT	100MF 20% 35V	C1529	1-124-791-11	ELECT	1MF 20% 50V
C556	1-124-634-11	ELECT	1MF 20% 250V	C1531	1-102-231-11	CERAMIC	47PF 10% 500V
C557	1-123-356-00	ELECT	10MF 20% 25V	C1532	1-123-333-00	ELECT	100MF 20% 16V
C558	1-123-356-00	ELECT	10MF 20% 16V	C1533	1-123-333-00	ELECT	100MF 20% 16V
C559	1-124-045-00	ELECT	4.7MF 20% 50V	C1534	1-123-356-00	ELECT	10MF 20% 16V
C560	1-108-632-11	MYLAR	0.033MF 10% 100V	C1535	1-123-330-00	ELECT	22MF 20% 16V
C561	1-108-614-11	MYLAR	0.001MF 10% 100V	C1536	1-123-381-00	ELECT	2.2MF 20% 50V
C562	1-106-347-00	MYLAR	0.0015MF 10% 100V	C1537	1-108-812-11	MYLAR	0.047MF 5% 50V
C563	1-124-634-11	ELECT	1MF 20% 250V	<CONNECTOR>			
				D1	*1-508-766-00	PIN, CONNECTOR 85MM PITCH) 4P	
				D2	*1-566-054-11	PIN, CONNECTOR 2P	
				D3	*1-566-054-11	PIN, CONNECTOR 2P	
				D5	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P	

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PVM-2030

D

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
D6	*1-564-038-00	CONNECTOR PLUG, DY (MINI) 6P		L564	1-408-104-00	INDUCTOR 1MMH	
D7	*1-566-056-11	PIN, CONNECTOR 4P		L1510	1-459-115-00	COIL, DCC-H	
D9	*1-566-055-11	PIN, CONNECTOR 3P				<NEON LAMP>	
D10	*1-508-766-00	PIN, CONNECTOR (85MM PITCH) 4P		NL601	1-519-108-99	LAMP, NEON	
D11	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P				<TRANSISTOR>	
D12	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P		Q505	8-729-178-55	TRANSISTOR 2SC2785-E	
D14	*1-566-054-11	PIN, CONNECTOR 2P		Q506	8-729-178-55	TRANSISTOR 2SC2785-E	
D21	*1-566-063-11	PIN, CONNECTOR 11P		Q507	8-729-178-55	TRANSISTOR 2SC2785-E	
D22	*1-566-063-11	PIN, CONNECTOR 11P		Q508	8-729-119-76	TRANSISTOR 2SA1175-HFE	
		<DIODE>		Q509	8-729-178-55	TRANSISTOR 2SC2785-E	
D501	8-719-911-19	DIODE ISS119		Q551	8-729-119-80	TRANSISTOR 2SC2688-LK	
D502	8-719-911-55	DIODE U05G		Q552 Δ	8-729-202-58	TRANSISTOR 2SD1555-LB	
D504	8-719-911-19	DIODE ISS119		Q553 Δ	8-729-313-42	TRANSISTOR 2SD1134-C	
D505	8-719-911-19	DIODE ISS119		Q1510	8-729-119-76	TRANSISTOR 2SA1175-HFE	
D507	8-719-109-89	DIODE RD5.6ES-B2		Q1519	8-729-178-55	TRANSISTOR 2SC2785-E	
D509	8-719-110-08	DIODE RD8.2ES-B2		Q1520	8-729-178-55	TRANSISTOR 2SC2785-E	
D510	8-719-911-19	DIODE ISS119		Q1521	8-729-119-76	TRANSISTOR 2SA1175-HFE	
D512	8-719-911-19	DIODE ISS119		Q1522	8-729-140-96	TRANSISTOR 2SD774-34	
D551	8-719-911-55	DIODE U05G		Q1523	8-729-140-97	TRANSISTOR 2SB734-34	
D554	8-719-976-64	DIODE RGP02-17				<RESISTOR>	
D557 Δ	8-719-901-93	DIODE V19E		R501	1-247-725-11	CARBON 10K 5%	1/4W
D558	8-719-300-76	DIODE RH-1A		R503	1-249-422-11	CARBON 2.7K 5%	1/4W
D560 Δ	8-719-945-80	DIODE ERC06-15S		R504	1-249-411-11	CARBON 330 5%	1/4W
	1-506-108-41	PIN, CONNECTOR (TERMINAL PIN); D560		R505	1-247-708-11	CARBON 470 5%	1/4W
D561	8-719-928-08	DIODE ERD28-08S		R506	1-247-700-11	CARBON 100 5%	1/4W
D562	8-719-976-64	DIODE RGP02-17		R507	1-246-536-00	CARBON 430K 5%	1/4W
D1510	8-719-911-55	DIODE U05G		R508	1-249-462-11	CARBON 22K 5%	1/4W
D1511	8-719-911-19	DIODE ISS119		R509	1-249-433-11	CARBON 22K 5%	1/4W
D1513	8-719-911-55	DIODE U05G		R510	1-247-881-00	CARBON 120K 5%	1/4W
D1514	8-719-911-55	DIODE U05G		R511	1-247-868-11	CARBON 36K 5%	1/4W
D1516	8-719-110-67	DIODE RD27ES-B2		R512	1-249-411-11	CARBON 330 5%	1/4W
D1517	8-719-971-20	DIODE ERC38-06		R513	1-249-468-11	CARBON 82K 5%	1/4W
D1518	8-719-971-20	DIODE ERC38-06		R514	1-247-719-11	CARBON 3.3K 5%	1/4W
D1521	8-719-911-19	DIODE ISS119		R515	1-249-459-11	CARBON 12K 5%	1/4W
		<FUSE>		R516	1-249-435-11	CARBON 33K 5%	1/4W
F501 Δ	1-532-741-11	FUSE, GLASS TUBE 1.25A/125V		R517	1-249-407-11	CARBON 150 5%	1/4W
	*1-533-189-11	HOLDER, FUSE; F501		R518	1-247-701-11	CARBON 120 5%	1/4W
		<IC>		R519	1-249-426-11	CARBON 5.6K 5%	1/4W
IC501	8-759-100-60	IC UPC1377C		R520	1-249-419-11	CARBON 1.5K 5%	1/4W
IC502	8-759-982-13	IC RC7812FA		R521	1-249-417-11	CARBON 1K 5%	1/4W
IC551	8-759-105-82	IC UPC1378H-P		R522	1-249-438-11	CARBON 56K 5%	1/4W
IC552	8-759-945-58	IC RC4558P		R523	1-249-430-11	CARBON 12K 5%	1/4W
IC1510	8-759-945-58	IC RC4558P		R524	1-247-158-00	CARBON 13K 5%	1/4W
IC1511	8-759-945-58	IC RC4558P		R525	1-249-429-11	CARBON 10K 5%	1/4W
		<COIL>		R526 Δ	1-215-876-51	METAL OXIDE 15K 5%	1W F
L551 Δ	1-459-678-12	HLC		R527	1-249-412-11	CARBON 390 5%	1/4W
L552 Δ	1-459-390-11	COIL (WITH CORE)		R528	1-249-405-11	CARBON 100 5%	1/4W
L553	1-459-104-00	COIL, DUST CORE		R529	1-214-747-00	METAL 5.6K 1%	1/4W
L555	1-408-227-00	INDUCTOR 470UH		R530 Δ	1-214-753-71	METAL 10K 1%	1/4W
L556 Δ	1-407-699-11	INDUCTOR 33UH		R531 Δ		CARBON	1/4W
L557	1-459-407-00	COIL, FERRITE CHOKE			1-506-108-41	PIN, CONNECTOR (TERMINAL PIN); R531	
L558	1-407-365-00	COIL, CHOKE		R534	1-214-747-00	METAL 5.6K 1%	1/4W
L559	1-408-159-00	COIL, SPOOK CHOKE 3.3UH		R535	1-249-424-11	CARBON 3.9K 5%	1/4W
L560 Δ	1-407-695-11	INDUCTOR 15UH		R536	1-249-427-11	CARBON 6.8K 5%	1/4W
L562	1-408-239-00	INDUCTOR 4.7MMH		R537	1-249-429-11	CARBON 10K 5%	1/4W
L563	1-459-075-00	COIL, DYNAMIC CONVERSION CHOKE		R538	1-216-350-11	METAL OXIDE 1.2 5%	1W F
				R539	1-249-413-11	CARBON 470 5%	1/4W
				R540	1-249-441-11	CARBON 100K 5%	1/4W

D

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R541	1-249-429-11	CARBON		R1519	1-249-429-11	CARBON	
R542	1-214-779-00	METAL		R1520	1-249-433-11	CARBON	
R543	1-247-903-00	CARBON		R1521	1-249-425-11	CARBON	
R544	1-214-781-00	METAL		R1522	1-249-409-11	CARBON	
R545	1-214-765-00	METAL		R1523	1-249-441-11	CARBON	
R546	1-249-426-11	CARBON		R1524	1-249-437-11	CARBON	
R547	1-249-429-11	CARBON		R1525	1-249-425-11	CARBON	
R548	1-249-421-11	CARBON		R1532	1-249-431-11	CARBON	
R549	1-247-704-11	CARBON		R1533	1-249-437-11	CARBON	
R551	1-214-681-00	METAL		R1534	1-249-437-11	CARBON	
R553	Δ 1-244-863-51	CARBON		R1535	1-249-413-11	CARBON	
R554	1-246-545-00	CARBON		R1536	1-249-418-11	CARBON	
R555	1-249-431-11	CARBON		R1537	1-249-423-11	CARBON	
R556	1-249-468-11	CARBON		R1539	1-249-429-11	CARBON	
R557	1-249-432-11	CARBON		R1540	Δ 1-215-947-51	METAL OXIDE	
R558	1-249-437-11	CARBON		R1541	1-249-429-11	CARBON	
R559	1-247-897-11	CARBON		R1542	1-249-429-11	CARBON	
R560	1-247-895-00	CARBON		R1543	1-247-876-11	CARBON	
R561	1-249-429-11	CARBON		R1544	1-247-885-00	CARBON	
R562	1-249-425-11	CARBON		R1545	1-249-439-11	CARBON	
R564	1-247-719-11	CARBON		R1546	1-247-889-00	CARBON	
R565	Δ 1-216-428-51	METAL OXIDE		R1547	1-249-429-11	CARBON	
R567	1-249-429-11	CARBON		R1548	1-215-490-00	CARBON	
R568	1-247-715-11	CARBON		R1550	1-247-895-00	CARBON	
R569	1-249-410-11	CARBON		R1551	1-249-437-11	CARBON	
R570	1-249-417-11	CARBON		R1552	1-249-426-11	CARBON	
R571	1-247-711-11	CARBON		R1553	1-247-881-00	CARBON	
R572	1-249-418-11	CARBON		R1563	1-249-409-11	CARBON	
R573	1-216-445-11	METAL OXIDE		R1565	1-216-349-00	METAL OXIDE	
R574	1-249-409-11	CARBON		R1566	1-216-430-11	METAL OXIDE	
R575	1-247-725-11	CARBON		R1567	1-216-430-11	METAL OXIDE	
R576	1-249-427-11	CARBON		R1568	1-249-419-11	CARBON	
R577	1-249-429-11	CARBON		R1569	1-249-417-11	CARBON	
R578	1-249-411-11	CARBON		R1570	1-249-382-11	CARBON	
R579	1-247-719-11	CARBON		R1571	1-249-382-11	CARBON	
R580	Δ 1-247-725-51	CARBON		R1572	1-247-883-00	CARBON	
R581	Δ 1-216-431-51	METAL OXIDE		R1573	1-249-389-11	CARBON	
R582	1-216-343-00	METAL OXIDE		R1574	1-249-417-11	CARBON	
R583	1-249-433-11	CARBON		R1575	1-249-436-11	CARBON	
R584	1-249-464-11	CARBON		R1576	1-249-421-11	CARBON	
R585	1-247-719-11	CARBON		R1577	1-249-434-11	CARBON	
R586	1-249-430-11	CARBON		R1578	1-249-429-11	CARBON	
R587	1-247-887-00	CARBON		R1579	1-249-417-11	CARBON	
R588	1-249-417-11	CARBON		R1583	1-249-429-11	CARBON	
R589	1-247-852-11	CARBON		R1584	1-249-413-11	CARBON	
R590	1-249-421-11	CARBON		R1585	1-249-417-11	CARBON	
R592	1-215-871-11	METAL OXIDE		<VARIABLE RESISTOR>			
R593	1-249-417-11	CARBON		RV501	1-228-723-00	RES, ADJ, CERAMIC CARBON	4.7K
R594	1-249-435-11	CARBON		RV503	1-228-717-00	RES, ADJ, CERAMIC CARBON	220
R595	1-249-421-11	CARBON		RV504	1-228-725-00	RES, ADJ, CERAMIC CARBON	22K
R596	1-249-420-11	CARBON		RV509	1-224-249-99	RES, ADJ, METAL GLAZE	1K
R597	1-249-409-11	CARBON		RV552	1-228-725-00	RES, ADJ, CERAMIC CARBON	22K
R598	1-247-883-00	CARBON		RV553	1-228-720-00	RES, ADJ, CERAMIC CARBON	1K
R599	1-249-431-11	CARBON		RV554	1-228-727-00	RES, ADJ, CERAMIC CARBON	47K
R1501	1-247-878-00	CARBON		RV554	1-228-727-00	RES, ADJ, CERAMIC CARBON	47K
R1502	1-249-432-11	CARBON		RV555	1-228-722-00	RES, ADJ, CERAMIC CARBON	3.3K
R1503	1-247-722-11	CARBON		<SPARK GAP>			
R1505	1-215-869-11	METAL OXIDE		SG551	1-519-063-99	DISCHARGING GAP	
R1510	1-249-429-11	CARBON					
R1511	1-247-868-11	CARBON					
R1515	1-249-429-11	CARBON					
R1516	1-249-431-11	CARBON					
R1517	1-249-433-11	CARBON					
R1518	1-249-425-11	CARBON					

D

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

REF. NO.	PART NO.	DESCRIPTION	REMARK
<TRANSFORMER>			
T552	Δ 1-437-090-11	HDT	
T553	Δ 1-437-191-11	HCT	
<THERMISTOR>			
TH501	1-800-194-11	THERMISTOR S-68-01	

