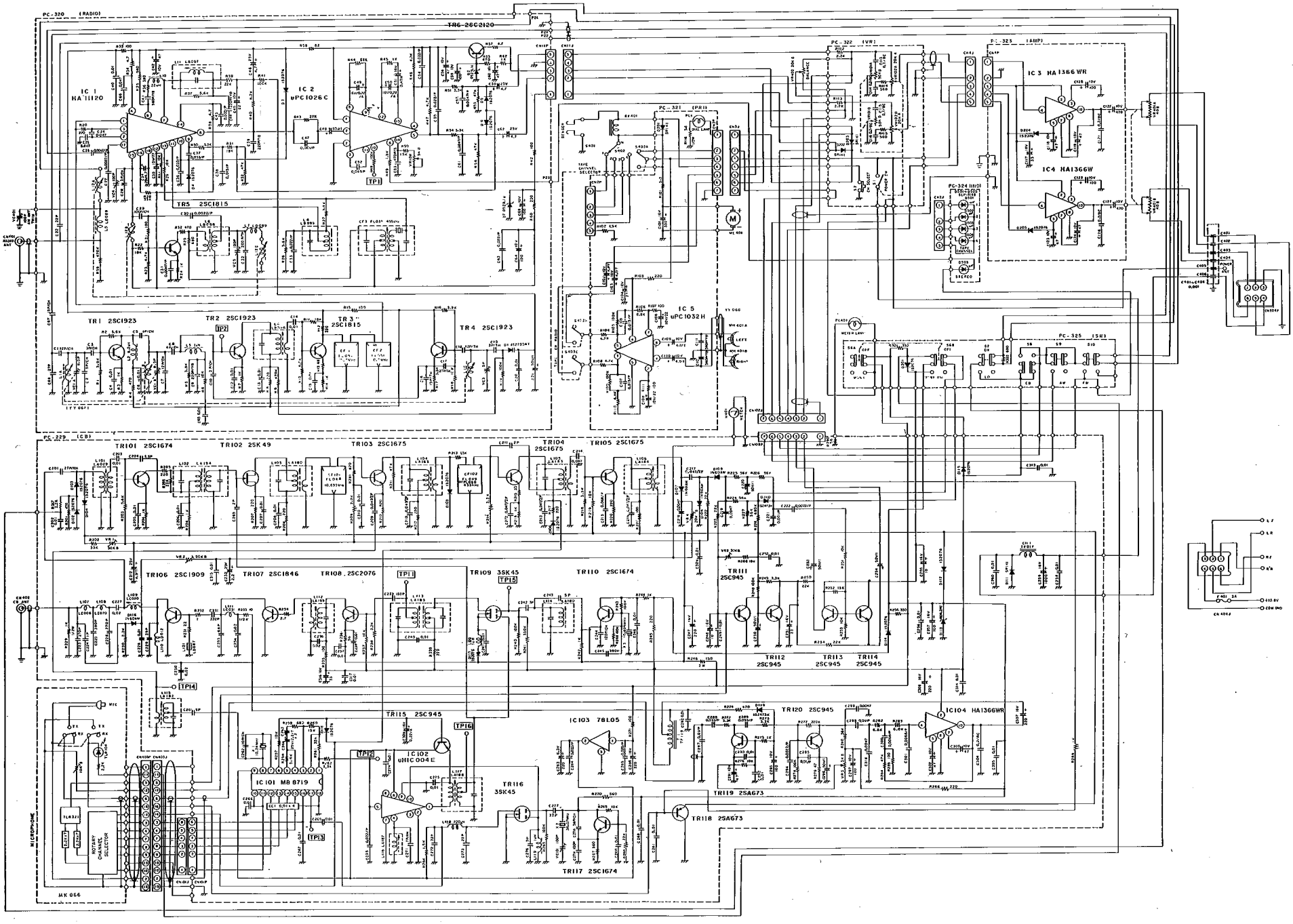
CIRCUIT DIAGRAM FOR COBRA 55XLR



BILL OF MATERIAL FOR COBRA 55XLR

CIRBUIT SYMBOL	DESCRIPTION	DYNASCAN PART NO.
	IC, TRANSISTORS & DIODES	
IC-101	Integrated Circuit, MB8719	307-128-9-002
IC-102	Integrated Circuit, UHIC-004E	307-131-9-001
IC-103	Integrated Circuit, NJM78L05A	307-113-9-003
IC-3,104	Integrated Circuit, HA1366WR	307-131-9-002
IC-4	Integrated Circuit, HA1366W	307-131-9-003
IC-5	Integrated Circuit, μPC1032H	307-131-9-004
IC-1	Integrated Circuit, HA11120-1	307-131-9-005
IC-2	Integrated Circuit, μPC1026C	307-131-9-006
TR-102	F.E.T., 2SK490F	182-048-9-001
TR-109	F.E.T., 3SK45-B	182-038-9-001
TR-116	F.E.T., 3SK45-B09	182-042-9-001
TR-101	Transistor, 2SC1674-L	176-081-9-002
TR-103,104,105	Transistor, 2SC1675-K	176-081-9-003
TR-106	Transistor, 2SC1909	176-081-9-004
TR-107	Transistor, 2SC1846-Q	176-075-9-006
TR-108	Transistor, 2SC2076-C	176-060-9-004
TR-110,117	Transistor, 2SC1674-K	176-081-9-001
TR-111,112,115	Transistor, 2SC945A-P	176-060-9-003
TR-113,114,120	Transistor, 2SC945A-Q	176-062-9-001
TR-118,119	Transistor, 2SA673-C	177-025-9-001
TR-1,2,4	Transistor, 2SC1923-O	176-085-9-001
TR-3,5	Transistor, 2SC1815-O	176-085-9-002
TR-6	Transistor, 2SC2120-O	176-085-9-003
D-1	Diode Silicon, 1S2790WT	151-070-9-001
D-111,201,202,203	Diode Silicon Rectifier, SR1K-1	151-040-9-003
D-110,119	Diode Silicon Switching, 1S2473-K	151-069-9-001
D-107,108,109,116	Diode Germanium, 1N60-AM	150-014-9-001
D-101,102,103,104, 105,106,112,114,115, 117,118,204,205,301, 3,4,5,6	Diode Silicon, 1S2076	151-067-9-001
D-2,7	Diode, Zener 05Z-9.1μ	152-087-9-001
D-113	Diode, Zener RD8.2FC	152-085-9-002
D-501,502,503,504,505	L.E.D. SLP-114B, Tape & Stereo Indicator	158-019-9-001
	COILS & TRANSFORMER	
L-101	Coil, LA-029	060-023-9-001
L-102	Coil, LA-194	060-024-9-012
L-103,114	Coil, LA-180	060-024-9-001
L-104	Coil, LA-163	060-022-9-001
L-105	Coil, LA-183	060-028-9-001
L-106	Coil, LA-184	060-024-9-005
L-113	Coil, LA-185	060-024-9-006
L-112	Coil, LA-189	060-024-9-010
L-111	Coil, LC-051	041-094-9-001
L-110	Coil, LD-012	044-050-9-001
L-109	Coil, LC-020	044-033-9-002
L-108	Coil, LE-070	044-048-9-001
L-107	Coil, LE-008	044-032-9-001

CIRCUIT SYMBOL	DESCRIPTION	DYNASCAN PART NO.
	COILS & TRANSFORMER (Continued)	
L-117	Coil, LA-188	060-024-9-009
L-116	Coil, LA-187	060-024-9-008
L-115	Coil, LA-182	060-024-9-003
L-4	Coil, LB-096	046-021-9-001
L-11	Coil, LB-097	046-021-9-002
L-6	Coil, LB-098	046-021-9-003
L-8	Coil, LB-099	046-021-9-004
L-5,7	Coil, LB-089	044-048-9-002
L-3,119	Inductor, LZ-002 1μH RF Choke	041-056-9-002
L-2	Inductor, LZ-002 8.3μH RF Choke	041-062-9-003
L-10	Inductor, LZ-001 22μH RF Choke	041-099-9-001
L-118	Inductor, LZ-001 100μH RF Choke	041-062-9-002
L-121	Core Bead, LD-087	044-048-9-003
CH-1	Inductor, TF-017 AF Choke	042-014-9-001
T-1	Modulation Transformer, TF-119	061-037-9-001
	VARIABLE RESISTORS	
VR-5	Resistor, Semi-Fixed RV-189 3K ohm B	008-323-9-001
VR-108	Resistor, Semi-Fixed RV-189 5K ohm B	008-316-9-004
VR-4	Resistor, Semi-Fixed RV-189 20K ohm B	008-316-9-003
VR-3	Resistor, Semi-Fixed RV-189 30K ohm B	008-331-9-001
VR-1,2	Resistor, Semi-Fixed RV-189 50K ohm B	008-316-9-002
VR-402	Resistor, Variable RV-279 20K ohm G Balance Control	008-331-9-002
VR-101A + VR101B + VR-102A + VR-102B + S1 + S2	Resistor, Variable RV-277 Vol Tone Control	008-331-9-003
VR-401A + VR-401B	Resistor, Variable RV-276 Fader Control W/Tuning Shaft	008-330-9-005
	RESISTORS	
R-234	Resistor, Carbon Film 2.7 ohm ±5% 1/8W	002-108-5-279
R-57	Resistor, Carbon Film 4.7 ohm ±5% 1/8W	002-108-5-479
R-215	Resistor, Carbon Film 33 ohm ±5% 1/8W	002-108-5-330
R-13	Resistor, Carbon Film 68 ohm ±5% 1/8W	002-108-5-680
R-221,271,285	Resistor, Carbon Film 100 ohm ±5% 1/8W	002-108-5-101
R-21	Resistor, Carbon Film 180 ohm ±5% 1/8W	002-108-5-181
R-8,60,205,207,212,217, 220,245	Resistor, Carbon Film 220 ohm ±5% 1/8W	002-108-5-221
R-20	Resistor, Carbon Film 270 ohm ±5% 1/8W	002-108-5-271
R-256,301	Resistor, Carbon Film 330 ohm ±5% 1/8W	002-108-5-331
R-36	Resistor, Carbon Film 390 ohm ±5% 1/8W	002-108-5-391
R-4,52,55	Resistor, Carbon Film 470 ohm ±5% 1/8W	002-108-5-471
R-114,115,267,270	Resistor, Carbon Film 560 ohm ±5% 1/8W	002-108-5-561
R-25,259,303	Resistor, Carbon Film 680 ohm ±5% 1/8W	002-108-5-481
R-12,210,281	Resistor, Carbon Film 820 ohm ±5% 1/8W	002-108-5-820
R-3,7,14,24,45,62,204, 216,275,289,201	Resistor, Carbon Film 1K ohm ±5% 1/8W	002-108-5-102
R-49,213	Resistor, Carbon Film 1.5K ohm ±5% 1/8W	002-108-5-152
R-112,230,238	Resistor, Carbon Film 2.2K ohm ±5% 1/8W	002-108-5-222
R-17,30,51,54,218,249, 272	Resistor, Carbon Film 3.3K ohm ±5% 1/8W	002-108-5-332
R-1,5,16	Resistor, Carbon Film 3.9K ohm ±5% 1/8W	002-108-5-392

CIRCUIT SYMBOL	DESCRIPTION	DYNASCAN PART NO.
	RESISTORS (Continued)	
R-10,23,46,47	Resistor, Carbon Film 4.7K ohm ±5% 1/8W	002-108-5-472
R-2,37,258,302	Resistor, Carbon Film 5.6K ohm ±5% 1/8W	002-108-5-562
R-282,283	Resistor, Carbon Film 6.8K ohm ±5% 1/8W	002-108-5-682
R-40	Resistor, Carbon Film 8.2K ohm ±5% 1/8W	002-108-5-822
R-6,18,61,219,251,253, 257,269,276	Resistor, Carbon Film 10K ohm ±5% 1/8W	002-108-5-103
R-50,252,260	Resistor, Carbon Film 15K ohm ±5% 1/8W	002-108-5-153
R-11,22,31,43,266	Resistor, Carbon Film 18K ohm ±5% 1/8W	002-108-5-183
R-39,222,223,254,268	Resistor, Carbon Film 22K ohm ±5% 1/8W	002-108-5-223
R-28,261	Resistor, Carbon Film 33K ohm ±5% 1/8W	002-108-5-333
R-32,53,56,211,284	Resistor, Carbon Film 47K ohm ±5% 1/8W	002-108-5-473
R-224,225,226,280	Resistor, Carbon Film 56K ohm ±5% 1/8W	002-108-5-563
R-44	Resistor, Carbon Film 82K ohm ±5% 1/8W	002-108-5-823
R-19,41,240,243,265, 278,288	Resistor, Carbon Film 100K ohm ±5% 1/8W	002-108-5-104
R-277	Resistor, Carbon Film 220K ohm ±5% 1/8W	002-108-5-224
R-241	Resistor, Carbon Film 330K ohm ±5% 1/8W	002-108-5-334
R-9	Resistor, Carbon Film 470K ohm ±5% 1/8W	002-108-5-474
R-231	Resistor, Carbon Film 22 ohm ±5% 1/8W	002-108-5-220
R-58	Ressitor, Carbon Film 82 ohm ±5% 1/8W	002-108-5-821
R-48	Resistor, Carbon Film 100K ohm ±5% 1/8W	002-108-5-104
R-233	Resistor, Carbon Film 10 ohm ±5% 1/2W	002-102-5-100
R-229	Resistor, Carbon Film 1K ohm ±5% 1/2W	002-102-5-102
R-232	Resistor, Carbon Film 1 ohm ±5% 1/8W	002-108-5-109
R-34,38	Resistor, Carbon Film 4.7 ohm ±5% 1/8W	002-108-5-479
R-279	Resistor, Carbon Film 47 ohm ±5% 1/8W	002-108-5-470
R-236,290	Resistor, Carbon Film 56 ohm ±5% 1/8W	002-108-5-560
R-15,33,42,107,111,235	Resistor, Carbon Film 100 ohm ±5% 1/8W	002-108-5-101
R-103,208,239,286	Resistor, Carbon Film 220 ohm ±5% 1/8W	002-108-5-221
R-274	Resistor, Carbon Film 470 ohm ±5% 1/8W	002-108-5-471
R-35	Resistor, Carbon Film 560 ohm ±5% 1/8W	002-108-5-561
R-206,242,244	Resistor, Carbon Film 1K ohm ±5% 1/8W	002-108-5-102
R-102,264	Resistor, Carbon Film 1.5K ohm ±5% 1/8W	002-108-5-152
R-113,209	Resistor, Carbon Film 2.2K ohm ±5% 1/8W	002-108-5-222
R-27,214,262,273	Resistor, Carbon Film 3.3K ohm ±5% 1/8W	002-108-5-332
R-104,108	Resistor, Carbon Film 4.7K ohm ±5% 1/8W	002-108-5-472
R-26,203	Resistor, Carbon Film 5.6K ohm ±5% 1/8W	002-108-5-562
R-106,110	Resistor, Carbon Film 6.8K ohm ±5% 1/8W	002-108-5-682
R-29,237	Resistor, Carbon Film 10K ohm ±5% 1/8W	002-108-5-103
R-250	Resistor, Carbon Film 22K ohm ±5% 1/8W	002-108-5-223
R-202	Resistor, Carbon Film 33K ohm ±5% 1/8W	002-108-5-333
R-227	Resistor, Carbon Film 56K ohm ±5% 1/8W	002-108-5-563
R-105,109,248	Resistor, Carbon Film 100K ohm ±5% 1/8W	002-108-5-104
R-59	Resistor, Carbon Film 470K ohm ±5% 1/8W	002-108-5-474
R-228	Resistor, Carbon Film 680K ohm ±5% 1/8W	002-108-5-684
R-101	Resistor, Carbon Film 3.3K ohm ±5% 1/4W	002-104-5-332
R-116	Resistor, Carbon Film 5.6 ohm ±5% 1/2W	002-102-5-569
R-246	Resistor, Carbon Film 150 ohm ±10% 2W	013-019-9-001
	CAPACITORS	
VC-4,5,101	Capacitor, Semi-Fixed, CV-040 100pF	028-048-9-001
VC-1A,B	Capacitor, Semi-Fixed, CV-043 8.5pF	028-048-9-002
VC-3	Capacitor, Semi-Fixed, CV-042 5pF	028-048-9-003
VC-401	Capacitor, Semi-Fixed, CV-039 100pF	028-049-9-001

CIRCUIT SYMBOL	DESCRIPTION	DYNASCAN PART NO.
	CAPACITORS (Continued)	
C-263,264	Capacitor, Tantalum, 2.2μF ±20% 25V	027-031-9-001
C-102,103,109,110	Capacitor, Tantalum, 4.7μF ±20% 10V	027-032-9-001
C-312	Capacitor, Tantalum, 4.7μF ±20% 25V	027-031-9-002
C-49,50,308	Capacitor, Aluminum Solid, 0.22μF ±20% 16V	022-158-9-001
C-51	Capacitor, Aluminum Solid, 0.47μF ±20% 16V	022-161-9-002
C-53	Capacitor, Polystyrene Film 470pF ±5% 50V	030-042-9-002
C-21,48,220,250,253, 254,296	Capacitor, Electrolytic, 1μF 50V	022-157-9-002
C-232	Capacitor, Electrolytic, 2.2μF 25V	022-158-9-002
C-34,46,59,62	Capacitor, Electrolytic, 4.7μF 25V	022-157-9-003
C-248,255	Capacitor, Electrolytic, 10μF 16V	022-157-9-004
C-35,45,106,108	Capacitor, Electrolytic, 22μF 10V	022-163-9-001
C-104,117,251,316	Capacitor, Electrolytic, 33μF 16V	022-157-9-006
C-42,56,118,119,123, 124,302,303,291	Capacitor, Electrolytic, 47μF 10V	022-164-9-001
C-60	Capacitor, Electrolytic, 47μF 16V	022-164-9-002
C-58,64,69,128,129, 293,297	Capacitor, Electrolytic, 100μF 10V	022-157-9-008
C-257	Capacitor, Electrolytic, 100μF 16V	022-157-9-009
C-283	Capacitor, Electrolytic, 220μF 6.3V	022-163-9-002
C-247,286,306,307	Capacitor, Electrolytic, 220μF 16V	022-163-9-003
C-101	Capacitor, Electrolytic, 330μF 16V	022-164-9-003
C-122,127	Capacitor, Electrolytic, 470μF 10V	022-160-9-001
C-259	Capacitor, Electrolytic, 1000μF 16V	022-163-9-004
C-47,221	Capacitor, Polyester Film, 0.001μF ±10% 50V	025-122-9-001
C-27,30,222	Capacitor, Polyester Film, 0.0022μF ±10% 50V	030-041-9-003
C-26,31,57,61	Capacitor, Polyester Film, 0.0047μF ±10% 50V	025-126-9-001
C-300,301	Capacitor, Polyester Film, 0.0068μF ±10% 50V	025-122-9-003
C-287,298	Capacitor, Polyester Film, 0.01μF ±10% 50V	025-121-9-002
C-38,105,107	Capacitor, Polyester Film, 0.015μF ±10% 50V	025-130-9-001
C-33,54,55,63,235,284, 285	Capacitor, Polyester Film, 0.022μF ±10% 50V	025-121-9-003
C-36,37,43,288,289	Capacitor, Polyester Film, 0.033μF ±10% 50V	025-121-9-004
C-52	Capacitor, Polyester Film, 0.047μF ±10% 50V	025-121-9-006
C-215	Capacitor, Polyester Film, 0.068μF ±10% 50V	025-125-9-001
C-204,224	Capacitor, Ceramic Disk, 1pF ±0.25pF 50V SL	020-190-9-001
C-243	Capacitor, Ceramic Disk, 1.5pF ±0.25pF 50V SL	020-190-9-002
C-211,265	Capacitor, Ceramic Disk, 2pF ±0.25pF 50V SL	020-187-9-001
C-242	Capacitor, Ceramic Disk, 3pF ±0.25pF 50V SL	020-190-9-003
C-261,276	Capacitor, Ceramic Disk, 5pF ±0.25pF 50V SL	020-180-9-009
C-22,270,272,273	Capacitor, Ceramic Disk, 22pF ±5% 50V SL	020-190-9-005
C-68	Capacitor, Ceramic Disk, 27pF ±5% 50V SL	020-190-9-006
C-229	Capacitor, Ceramic Disk, 39pF ±10% 50V SL	020-190-9-007
C-233	Capacitor, Ceramic Disk, 68pF ±10% 50V SL	020-180-9-015
C-279	Capacitor, Ceramic Disk, 100pF ±10% 50V SL	020-180-9-016
C-239	Capacitor, Ceramic Disk, 150pF ±10% 50V SL	020-180-9-014
C-231	Capacitor, Ceramic Disk, 220pF ±10% 50V SL	020-180-9-019
C-223,226	Capacitor, Ceramic Disk, 270pF ±10% 50V SL	020-190-9-010
C-225,245	Capacitor, Ceramic Disk, 390pF ±10% 50V SL	020-190-9-011
C-277	Capacitor, Ceramic Disk, 0.001μF +80% -20% 50V YF	020-190-9-012
C-294	Capacitor, Ceramic Disk, 0.0022μF +80% -20% 50V YF	020-190-9-013
C-218,219,299,318	Capacitor, Ceramic Disk, 0.0047μF +80% -20% 50V YF	020-190-9-014

CIRCUIT SYMBOL	DESCRIPTION	DYNASCAN PART NO.
	CAPACITORS (Continued)	
C-202,203,205,206,207, 208,228,237,238,240, 241,246,249,252,256, 258,260,266,267,268, 269,274,275,280,281, 282,290,292,295,305, 309,310,313,314,315, 317	Capacitor, Ceramic Disk 0.01μF +80% -20% 50V YF	020-190-9-015
C-227,230,234,236	Capacitor, Ceramic Disk 0.02μF +80% -20% 50V YF	020-190-9-016
C-209,210,212,213, 214,216,217	Capacitor, Ceramic Disk 0.047μF +80% -20% 50V YF	020-190-9-017
C-4,6,12,13,14,15,20,40, 65	Capacitor, Ceramic Disk 0.01μF +80 -20 12V YF	020-190-9-021
C-24,25,66	Capacitor, Ceramic Disk 0.047μF +80 -20 12V YF	020-190-9-022
C-9,39,44	Capacitor, Ceramic Disk 220pF ±10% 50V YB	020-190-9-019
C-41,111,112	Capacitor, Ceramic Disk 560pF ±10% 50V YB	020-190-9-020
C-271	Capacitor, Ceramic Disk 7pF ±0.5pF 50V RH	020-190-9-023
C-201	Capacitor, Ceramic Disk 27pF ±5% 50V RH	020-190-9-024
C-19	Capacitor, Ceramic Disk 3pF ±5% 50V TH	020-190-9-025
C-18	Capacitor, Ceramic Disk 12pF ±5% 50V TH	020-190-9-026
C-16	Capacitor, Ceramic Disk 15pF ±5% 50V TH	020-190-9-027
C-17	Capacitor, Ceramic Disk 27pF ±5% 50V TH	020-190-9-028
C-32	Capacitor, Ceramic Disk 200pF ±5% 50V TH	020-190-9-029
C-5	Capacitor, Ceramic Disk 1pF ±0.5pF 50V TH	020-180-9-001
C-10	Capacitor, Ceramic Disk 2pF ±0.5pF 50V CH	020-180-9-002
C-3,28	Capacitor, Ceramic Disk 3pF ±0.5pF 50V CH	020-180-9-003
C-8	Capacitor, Ceramic Disk 4pF ±0.5pF 50V CH	020-190-9-031
C-2	Capacitor, Ceramic Disk 5pF ±0.5pF 50V CH	020-180-9-004
C-262	Capacitor, Ceramic Disk 10pF ±5% 50V CH	020-181-9-009
C-1,7	Capacitor, Ceramic Disk 12pF ±5% 50V CH	020-190-9-033
C-11,67	Capacitor, Ceramic Disk 15pF ±5% 50V CH	020-186-9-001
C-278	Capacitor, Ceramic Disk 56pF ±5% 50V CH	020-190-9-034
C-29	Capacitor, Ceramic Disk 100pF ±5% 50V CH	020-190-9-036
C244	Capacitor, Ceramic Disk 120pF ±5% 50V CH	020-190-9-035
C-121,126,304	Capacitor, Ceramic Disk 0.2 F +80% -20% 12V BC	020-187-9-012
C-113,114,115,116	Capacitor, Ceramic Disk 0.2 F ±20% 12V BC	020-190-9-037
CC-1	Capacitor Array, HA-003 ±0.08 F x 4	527-077-9-002
C-401,402,403,404,405, 406	Capacitor Ass'y, Ceramic Feed-Thru, CZ-040 1000pF x 6 50V	033-038-9-001
	CRYSTALS	
X-1	Quarz Crystal, QX-077 10.24 MHz	133-014-9-001
X-3	Quarz Crystal, QX-078 10.695 MHZ	133-014-9-002
X-2	Quarz Crystal, QX-079 36.57 MHz	133-014-9-003
	MISCELLANEOUS	
CF-101	Ceramic Filter, FL-048	140-020-9-001
CF-102	Ceramic Filter, FL-049	140-018-9-002
CF-3	Ceramic Filter, FL-033	140-020-9-002
CF-1,2	Ceramic Filter, FL-051	140-019-9-001
PL-1	Dial Illumination Lamp, PZ-012	400-052-9-001
	Lamp Socket, SK-021	752-015-9-001

CIRCUIT SYMBOL	DESCRIPTION	DYNASCAN PART NO.
	MISCELLANEOUS (Continued)	
M-401,PL-401	Meter, MT-087 Lamp Built-in	320-092-9-001
P-21,22,23	Test Point Terminal, TP-033	757-037-9-001
CN2-P, CN11-P	Plug 5pins, PG-044	523-209-9-004
CN3-P	Plug 7 pins, PG-039	523-210-9-001
CN4-P	Plug 5 pins, PG-043	523-210-9-002
CN101-P	Plug 6 pins, PG-038	523-204-9-002
CN102-P	Plug 7 Pins, PG-038	523-209-9-001
	Remote Control Microphone, MK-066	562-021-9-001
TP11,12,13,14,15,16	Test Point Terminal, TP-029	757-033-9-001
S6A + S6B + S7 + S8 + S9 + S10	Push Button Switch	088-039-9-001
L1A + L1B + LIC + L12A + L12B + L12C	Tuner Ass'y with FM Front End, YY-067	523-210-9-003
MH401A + MH401B + MD401 + S401 + S402 + S403A + S403B + S403C + RY401	8-Track Tape Deck Ass'y, YY-066	523-210-9-004
	"A" Lead Adaptor, W-070159	426-026-9-005
	Noise Suppression Resistor, RZ-004 10K ohm	013-026-9-002
	Fuse, FS-001 3A	191-251-3-003
	Ground Wire, W-070153	426-025-9-001
	Power & Speaker Cord Ass'y, W-070193	426-028-9-001
	Wire Nut, YY-008	763-083-9-001
	Noise Suppression Capacitor, CZ-031 0.47μF	021-062-9-001
CN-402	CB Antenna Cord, WZ-047	426-028-9-002
	Front Chassis	258-031-9-001
	Top Cover	253-065-9-001
	Bottom Cover	252-024-9-001
	Rear Chassis	258-030-9-001
	Deck Mounting Chassis	258-032-9-001
	Balance Control Mounting Bracket	251-336-9-001
	Heat Sink for RF Power Transistor	747-057-9-003
	Heat Sink for Modulator Power IC	747-057-9-004
	Heat Sink for AF Power IC	747-058-9-001
	Shield Case for PLL	256-074-9-001
	Shield Cover for P11	256-074-9-002
	Shield Cover for FM Front-End	256-074-9-003
	Shield Case for FM Front-End	256-074-9-004
	VR MTG Bracket (Rear)	251-332-9-001
	VR MTG Bracket (Front)	251-333-9-001
	Cord Clamp (for Microphone & Power)	741-101-9-001
	Tuner Cover	253-064-9-001
	Cord Clamp (for ANT)	741-099-9-002
	Trimmer MTG Bracket	251-337-9-001
	Pointer Guide	763-096-9-001
	Dial Pointer	763-096-9-002
	Sub Chassis Ass'y	258-033-9-001
	Dial Pointer Holder	251-338-9-001
	Tape Slot Door Ass'y	523-210-9-005
	VR-Back-up Bracket	251-335-9-001
	Knob Spring	767-051-9-001
	Microphone Connector Bracket (Front)	251-325-9-001
	Microphone Connector Bracket (Rear)	251-326-9-001
	Perforated Mounting Strap	741-102-9-001
	Microphone Hanger	741-074-9-001

CIRCUIT SYMBOL	DESCRIPTION	DYNASCAN PART NO.
	MISCELLANEOUS (Continued)	
	Escutcheon	380-294-9-001
	Universal Trimplate	260-141-9-001

CIRCUIT SYMBOL	DESCRIPTION	DYNASCAN PART NO.
	MISCELLANEOUS (Continued)	
	Hex Head Bolt 1/4-20 x 3/4L	660-012-1-302
	Hext Nut 1/4-20	680-214-1-312

L-113	Coil,	LA-185	060-024-9-006
L-112	Coil,	LA-189	060-024-9-010
L-111	Coil,	LC-051	041-094-9-001
L-110	Coil,	LD-012	044-050-9-001
L-109	Coil,	LC-020	044-033-9-002
L-108	Coil,	LE-070	044-048-9-001
L-107	Coil,	LE-008	044-032-9-001

216,275,289,201					
R-49,213	Resistor, Carbon Film	1.5K ohm	±5%	1/8W	002-108-5-152
R-112,230,238	Resistor, Carbon Film	2.2K ohm	±5%	1/8W	002-108-5-222
R-17,30,51,54,218,249, 272	Resistor, Carbon Film	3.3K ohm	±5%	1/8W	002-108-5-332
R-1,5,16	Resistor, Carbon Film	3.9K ohm	±5%	1/8W	002-108-5-392

CIRCUIT SYMBOL	DESCRIPTION				DYNASCAN PART NO.
	RESISTORS (Continued)				
R-10,23,46,47	Resistor, Carbon Film	4.7K ohm	±5%	1/8W	002-108-5-472
R-2,37,258,302	Resistor, Carbon Film	5.6K ohm	±5%	1/8W	002-108-5-562
R-282,283	Resistor, Carbon Film	6.8K ohm	±5%	1/8W	002-108-5-682
R-40	Resistor, Carbon Film	8.2K ohm	±5%	1/8W	002-108-5-822
R-6,18,61,219,251,253, 257,269,276	Resistor, Carbon Film	10K ohm	±5%	1/8W	002-108-5-103
R-50,252,260	Resistor, Carbon Film	15K ohm	±5%	1/8W	002-108-5-153
R-11,22,31,43,266	Resistor, Carbon Film	18K ohm	±5%	1/8W	002-108-5-183
R-39,222,223,254,268	Resistor, Carbon Film	22K ohm	±5%	1/8W	002-108-5-223
R-28,261	Resistor, Carbon Film	33K ohm	±5%	1/8W	002-108-5-333
R-32,53,56,211,284	Resistor, Carbon Film	47K ohm	±5%	1/8W	002-108-5-473
R-224,225,226,280	Resistor, Carbon Film	56K ohm	±5%	1/8W	002-108-5-563
R-44	Resistor, Carbon Film	82K ohm	±5%	1/8W	002-108-5-823
R-19,41,240,243,265, 278,288	Resistor, Carbon Film	100K ohm	±5%	1/8W	002-108-5-104
R-277	Resistor, Carbon Film	220K ohm	±5%	1/8W	002-108-5-224
R-241	Resistor, Carbon Film	330K ohm	±5%	1/8W	002-108-5-334
R-9	Resistor, Carbon Film	470K ohm	±5%	1/8W	002-108-5-474
R-231	Resistor, Carbon Film	22 ohm	±5%	1/8W	002-108-5-220
R-58	Ressitor, Carbon Film	82 ohm	±5%	1/8W	002-108-5-821
R-48	Resistor, Carbon Film	100K ohm	±5%	1/8W	002-108-5-104
R-233	Resistor, Carbon Film	10 ohm	±5%	1/2W	002-102-5-100
R-229	Resistor, Carbon Film	1K ohm	±5%	1/2W	002-102-5-102
R-232	Resistor, Carbon Film	1 ohm	±5%	1/8W	002-108-5-109
R-34,38	Resistor, Carbon Film	4.7 ohm	±5%	1/8W	002-108-5-479
R-279	Resistor, Carbon Film	47 ohm	±5%	1/8W	002-108-5-470
R-236,290	Resistor, Carbon Film	56 ohm	±5%	1/8W	002-108-5-560
R-15,33,42,107,111,235	Resistor, Carbon Film	100 ohm	±5%	1/8W	002-108-5-101
R-103,208,239,286	Resistor, Carbon Film	220 ohm	±5%	1/8W	002-108-5-221
R-274	Resistor, Carbon Film	470 ohm	±5%	1/8W	002-108-5-471
R-35	Resistor, Carbon Film	560 ohm	±5%	1/8W	002-108-5-561
R-206,242,244	Resistor, Carbon Film	1K ohm	±5%	1/8W	002-108-5-102
R-102,264	Resistor, Carbon Film	1.5K ohm	±5%	1/8W	002-108-5-152
R-113,209	Resistor, Carbon Film	2.2K ohm	±5%	1/8W	002-108-5-222
R-27,214,262,273	Resistor, Carbon Film	3.3K ohm	±5%	1/8W	002-108-5-332
R-104,108	Resistor, Carbon Film	4.7K ohm	±5%	1/8W	002-108-5-472
R-26,203	Resistor, Carbon Film	5.6K ohm	±5%	1/8W	002-108-5-562
R-106,110	Resistor, Carbon Film	6.8K ohm	±5%	1/8W	002-108-5-682
R-29,237	Resistor, Carbon Film	10K ohm	±5%	1/8W	002-108-5-103
R-250	Resistor, Carbon Film	22K ohm	±5%	1/8W	002-108-5-223
R-202	Resistor, Carbon Film	33K ohm	±5%	1/8W	002-108-5-333
R-227	Resistor, Carbon Film	56K ohm	±5%	1/8W	002-108-5-563
R-105,109,248	Resistor, Carbon Film	100K ohm	±5%	1/8W	002-108-5-104
R-59	Resistor, Carbon Film	470K ohm	±5%	1/8W	002-108-5-474
R-228	Resistor, Carbon Film	680K ohm	±5%	1/8W	002-108-5-684
R-101	Resistor, Carbon Film	3.3K ohm	±5%	1/4W	002-104-5-332
R-116	Resistor, Carbon Film	5.6 ohm	±5%	1/2W	002-102-5-569
R-246	Resistor, Carbon Film	150 ohm	±10%	2W	013-019-9-001
	CAPACITORS				
VC-4,5,101	Capacitor, Semi-Fixed,	CV-040 100pF			028-048-9-001
VC-1A,B	Capacitor, Semi-Fixed,	CV-043 8.5pF			028-048-9-002
VC-3	Capacitor, Semi-Fixed,	CV-042 5pF			028-048-9-003
VC-401	Capacitor, Semi-Fixed,	CV-039 100pF			028-049-9-001

CIRCUIT SYMBOL	DESCRIPTION				DYNASCAN PART NO.
	CAPACITORS (Continued)				
C-263,264	Capacitor, Tantalum,	2.2μF	±20%	25V	027-031-9-001
C-102,103,109,110	Capacitor, Tantalum,	4.7μF	±20%	10V	027-032-9-001
C-312	Capacitor, Tantalum,	4.7μF	±20%	25V	027-031-9-002
C-49,50,308	Capacitor, Aluminum Solid,	0.22μF	±20%	16V	022-158-9-001
C-51	Capacitor, Aluminum Solid,	0.47μF	±20%	16V	022-161-9-002
C-53	Capacitor, Polystyrene Film	470pF	±5%	50V	030-042-9-002
C-21,48,220,250,253, 254,296	Capacitor, Electrolytic,	1μF		50V	022-157-9-002
C-232	Capacitor, Electrolytic,	2.2μF		25V	022-158-9-002
C-34,46,59,62	Capacitor, Electrolytic,	4.7μF		25V	022-157-9-003
C-248,255	Capacitor, Electrolytic,	10μF		16V	022-157-9-004
C-35,45,106,108	Capacitor, Electrolytic,	22μF		10V	022-163-9-001
C-104,117,251,316	Capacitor, Electrolytic,	33μF		16V	022-157-9-006
C-42,56,118,119,123, 124,302,303,291	Capacitor, Electrolytic,	47μF		10V	022-164-9-001
C-60	Capacitor, Electrolytic,	47μF		16V	022-164-9-002
C-58,64,69,128,129, 293,297	Capacitor, Electrolytic,	100μF		10V	022-157-9-008
C-257	Capacitor, Electrolytic,	100μF		16V	022-157-9-009
C-283	Capacitor, Electrolytic,	220μF		6.3V	022-163-9-002
C-247,286,306,307	Capacitor, Electrolytic,	220μF		16V	022-163-9-003
C-101	Capacitor, Electrolytic,	330μF		16V	022-164-9-003
C-122,127	Capacitor, Electrolytic,	470μF		10V	022-160-9-001
C-259	Capacitor, Electrolytic,	1000μF		16V	022-163-9-004
C-47,221	Capacitor, Polyester Film,	0.001μF	±10%	50V	025-122-9-001
C-27,30,222	Capacitor, Polyester Film,	0.0022μF	±10%	50V	030-041-9-003
C-26,31,57,61	Capacitor, Polyester Film,	0.0047μF	±10%	50V	025-126-9-001
C-300,301	Capacitor, Polyester Film,	0.0068μF	±10%	50V	025-122-9-003
C-287,298	Capacitor, Polyester Film,	0.01μF	±10%	50V	025-121-9-002
C-38,105,107	Capacitor, Polyester Film,	0.015μF	±10%	50V	025-130-9-001
C-33,54,55,63,235,284, 285	Capacitor, Polyester Film,	0.022μF	±10%	50V	025-121-9-003
C-36,37,43,288,289	Capacitor, Polyester Film,	0.033μF	±10%	50V	025-121-9-004
C-52	Capacitor, Polyester Film,	0.047μF	±10%	50V	025-121-9-006
C-215	Capacitor, Polyester Film,	0.068μF	±10%	50V	025-125-9-001
C-204,224	Capacitor, Ceramic Disk,	1pF	±0.25pF	50V SL	020-190-9-001
C-243	Capacitor, Ceramic Disk,	1.5pF	±0.25pF	50V SL	020-190-9-002
C-211,265	Capacitor, Ceramic Disk,	2pF	±0.25pF	50V SL	020-187-9-001
C-242	Capacitor, Ceramic Disk,	3pF	±0.25pF	50V SL	020-190-9-003
C-261,276	Capacitor, Ceramic Disk,	5pF	±0.25pF	50V SL	020-180-9-009
C-22,270,272,273	Capacitor, Ceramic Disk,	22pF	±5%	50V SL	020-190-9-005
C-68	Capacitor, Ceramic Disk,	27pF	±5%	50V SL	020-190-9-006
C-229	Capacitor, Ceramic Disk,	39pF	±10%	50V SL	020-190-9-007
C-233	Capacitor, Ceramic Disk,	68pF	±10%	50V SL	020-180-9-015
C-279	Capacitor, Ceramic Disk,	100pF	±10%	50V SL	020-180-9-016
C-239	Capacitor, Ceramic Disk,	150pF	±10%	50V SL	020-180-9-014
C-231	Capacitor, Ceramic Disk,	220pF	±10%	50V SL	020-180-9-019
C-223,226	Capacitor, Ceramic Disk,	270pF	±10%	50V SL	020-190-9-010
C-225,245	Capacitor, Ceramic Disk,	390pF	±10%	50V SL	020-190-9-011
C-277	Capacitor, Ceramic Disk,	0.001μF	+80% −20%	50V YF	020-190-9-012
C-294	Capacitor, Ceramic Disk,	0.0022μF	+80% −20%	50V YF	020-190-9-013
C-218,219,299,318	Capacitor, Ceramic Disk,	0.0047μF	+80% −20%	50V YF	020-190-9-014

CIRCUIT SYMBOL	DESCRIPTION				DYNASCAN PART NO.
	CAPACITORS (Continued)				
C-202,203,205,206,207, 208,228,237,238,240, 241,246,249,252,256, 258,260,266,267,268, 269,274,275,280,281, 282,290,292,295,305, 309,310,313,314,315, 317	Capacitor, Ceramic Disk	0.01μF	+80% −20%	50V YF	020-190-9-015
C-227,230,234,236	Capacitor, Ceramic Disk	0.02μF	+80% −20%	50V YF	020-190-9-016
C-209,210,212,213, 214,216,217	Capacitor, Ceramic Disk	0.047μF	+80% −20%	50V YF	020-190-9-017
C-4,6,12,13,14,15,20,40, 65	Capacitor, Ceramic Disk	0.01μF	+80 −20	12V YF	020-190-9-021
C-24,25,66	Capacitor, Ceramic Disk	0.047μF	+80 −20	12V YF	020-190-9-022
C-9,39,44	Capacitor, Ceramic Disk	220pF	±10%	50V YB	020-190-9-019
C-41,111,112	Capacitor, Ceramic Disk	560pF	±10%	50V YB	020-190-9-020
C-271	Capacitor, Ceramic Disk	7pF	±0.5pF	50V RH	020-190-9-023
C-201	Capacitor, Ceramic Disk	27pF	±5%	50V RH	020-190-9-024
C-19	Capacitor, Ceramic Disk	3pF	±5%	50V TH	020-190-9-025
C-18	Capacitor, Ceramic Disk	12pF	±5%	50V TH	020-190-9-026
C-16	Capacitor, Ceramic Disk	15pF	±5%	50V TH	020-190-9-027
C-17	Capacitor, Ceramic Disk	27pF	±5%	50V TH	020-190-9-028
C-32	Capacitor, Ceramic Disk	200pF	±5%	50V TH	020-190-9-029
C-5	Capacitor, Ceramic Disk	1pF	±0.5pF	50V TH	020-180-9-001
C-10	Capacitor, Ceramic Disk	2pF	±0.5pF	50V CH	020-180-9-002
C-3,28	Capacitor, Ceramic Disk	3pF	±0.5pF	50V CH	020-180-9-003
C-8	Capacitor, Ceramic Disk	4pF	±0.5pF	50V CH	020-190-9-031
C-2	Capacitor, Ceramic Disk	5pF	±0.5pF	50V CH	020-180-9-004
C-262	Capacitor, Ceramic Disk	10pF	±5%	50V CH	020-181-9-009
C-1,7	Capacitor, Ceramic Disk	12pF	±5%	50V CH	020-190-9-033
C-11,67	Capacitor, Ceramic Disk	15pF	±5%	50V CH	020-186-9-001
C-278	Capacitor, Ceramic Disk	56pF	±5%	50V CH	020-190-9-034
C-29	Capacitor, Ceramic Disk	100pF	±5%	50V CH	020-190-9-036
C244	Capacitor, Ceramic Disk	120pF	±5%	50V CH	020-190-9-035
C-121,126,304	Capacitor, Ceramic Disk	0.2 F	+80% −20%	12V BC	020-187-9-012
C-113,114,115,116	Capacitor, Ceramic Disk	0.2 F	+80% −20%	12V BC	020-190-9-037
CC-1	Capacitor Array,	HA-003	±0.08 F x 4		527-077-9-002
C-401,402,403,404,405, 406	Capacitor Ass'y, Ceramic Feed-Thru, 1000pF x 6	CZ-040		50V	033-038-9-001
	CRYSTALS				
X-1	Quarz Crystal,	QX-077 10.24 MHz			133-014-9-001
X-3	Quarz Crystal,	QX-078 10.695 MHZ			133-014-9-002
X-2	Quarz Crystal,	QX-079 36.57 MHz			133-014-9-003
	MISCELLANEOUS				
CF-101	Ceramic Filter,	FL-048			140-020-9-001
CF-102	Ceramic Filter,	FL-049			140-018-9-002
CF-3	Ceramic Filter,	FL-033			140-020-9-002
CF-1,2	Ceramic Filter,	FL-051			140-019-9-001
PL-1	Dial Illumination Lamp,	PZ-012			400-052-9-001
	Lamp Socket, SK-021				752-015-9-001

CIRCUIT SYMBOL	DESCRIPTION		DYNASCAN PART NO.
	MISCELLANEOUS (Continued)		
M-401,PL-401	Meter, MT-087 Lamp Built-in		320-092-9-001
P-21,22,23	Test Point Terminal, TP-033		757-037-9-001
CN2-P, CN11-P	Plug 5pins, PG-044		523-209-9-004
CN3-P	Plug 7 pins, PG-039		523-210-9-001
CN4-P	Plug 5 pins, PG-043		523-210-9-002
CN101-P	Plug 6 pins, PG-038		523-204-9-002
CN102-P	Plug 7 Pins, PG-038		523-209-9-001
	Remote Control Microphone, MK-066		562-021-9-001
TP11,12,13,14,15,16	Test Point Terminal, TP-029		757-033-9-001
S6A + S6B + S7 + S8 + S9 + S10	Push Button Switch		088-039-9-001
L1A + L1B + LIC + L12A + L12B + L12C	Tuner Ass'y with FM Front End,	YY-067	523-210-9-003
MH401A + MH401B + MD401 + S401 + S402 + S403A + S403B + S403C + RY401	8-Track Tape Deck Ass'y,	YY-066	523-210-9-004
	"A" Lead Adaptor,	W-070159	426-026-9-005
	Noise Suppression Resistor,	RZ-004 10K ohm	013-026-9-002
	Fuse,	FS-001 3A	191-251-3-003
	Ground Wire,	W-070153	426-025-9-001
	Power & Speaker Cord Ass'y,	W-070193	426-028-9-001
	Wire Nut,	YY-008	763-083-9-001
	Noise Suppression Capacitor,	CZ-031 0.47μF	021-062-9-001
CN-402	CB Antenna Cord,	WZ-047	426-028-9-002
	Front Chassis		258-031-9-001
	Top Cover		253-065-9-001
	Bottom Cover		252-024-9-001
	Rear Chassis		258-030-9-001
	Deck Mounting Chassis		258-032-9-001
	Balance Control Mounting Bracket		251-336-9-001
	Heat Sink for RF Power Transistor		747-057-9-003
	Heat Sink for Modulator Power IC		747-057-9-004
	Heat Sink for AF Power IC		747-058-9-001
	Shield Case for PLL		256-074-9-001
	Shield Cover for P11		256-074-9-002
	Shield Cover for FM Front-End		256-074-9-003
	Shield Case for FM Front-End		256-074-9-004
	VR MTG Bracket (Reaf)		251-332-9-001
	VR MTG Bracket (Front)		251-333-9-001
	Cord Clamp (for Microphone & Power)		741-101-9-001
	Tuner Cover		253-064-9-001
	Cord Clamp (for ANT)		741-099-9-002
	Trimmer MTG Bracket		251-337-9-001
	Pointer Guide		763-096-9-001
	Dial Pointer		763-096-9-002
	Sub Chassis Ass'y		258-033-9-001
	Dial Pointer Holder		251-338-9-001
	Tape Slot Door Ass'y		523-210-9-005
	VR-Back-up Bracket		251-335-9-001
	Knob Spring		767-051-9-001
	Microphone Connector Bracket (Front)		251-325-9-001
	Microphone Connector Bracket (Rear)		251-326-9-001
	Perforated Mounting Strap		741-102-9-001
	Microphone Hanger		741-074-9-001

CIRCUIT SYMBOL	DESCRIPTION		DYNASCAN PART NO.
	MISCELLANEOUS (Continued)		
	Escutcheon		380-294-9-001
	Universal Trimplate		260-141-9-001
	Standard Front Knob		751-162-9-001
	Standard Rear Knob		751-162-9-002
	Ford Type Shallow Rear Knob		751-154-9-004
	Ford Type Shallow Front Knob		751-154-9-005
	Ford Type Deep Rear Knob		751-154-9-006
	Push Button (Function Switch)		384-025-9-001
	Balance Control Knob		751-163-9-001
	LED Lamp Holder		752-016-9-001
	Shaft Spacer "A" (3/16" Long)		759-078-9-002
	Shaft Spacer "B" (1/4" Long)		759-078-9-003
	Shaft Spacer "C" (5/16" Long)		759-078-9-004
	Grommet		381-083-9-001
	Pre-Amp MTG Stud		759-081-9-001
	Door Shaft		763-096-9-003
	Hex Nut, 3/8" - 32 NEF		653-042-9-001
	Dull Black Finished Decoration Panel		260-141-9-002
	Wood Grain Finished Decoration Panel		260-141-9-003
	FCC Identification Plate		260-142-9-001
	Ford Knob Inlay (Silver)		260-135-9-001
	Ford Knob Inlay (Wood Grain)		260-136-9-001
	Standard Knob Inlay (Black)		260-141-9-004
	Head Azimuth Alignment Seal		483-327-9-004
	Reflector		763-096-9-004
	Knob Function Label (Left)		483-316-9-002
	Knob Function Label (Right)		483-327-9-002
	Serial Number Label		— N/A —
	Caution Label		483-330-9-001
	Head Height Alignment Seal		483-330-9-002
	Alignment Components ID Label		483-330-9-003
	Door Spring		767-053-9-001
	Dial String Tension Spring		767-053-9-002
	Rubber Gasket		342-043-9-001
	Insulator (Bottom Cover)		342-044-9-001
	Insulator (Top Cover)		342-043-9-002
	Quickey Bolt Ass'y		763-093-9-011
	Cushion (Rear Chassis)		342-043-9-006
	Insulator		342-044-9-002
	Blind Sheet		342-044-9-003
	Insulator (Sub Chassis VS Radio PC Board)		342-044-9-004
	Rubber Insulator (Radio PC Board)		342-044-9-005
	Binding Head Screw	2D x 4L Metric	634-069-9-002
	Binding Head Screw	2.6D x 4L Metric	634-094-9-001
	Binding Head Screw	3D x 4L Metric	634-087-9-003
	Pan Head Tap Screw	3D x 4L Metric	710-041-9-001
	Binding Head Screw	3D x 6L Metric	634-053-9-001
	Binding Head Screw	3D x 8L Metric	634-067-9-001
	Binding Head Screw	3D x 10L Metric	634-077-9-003
	Pan Head Plastic Screw	3D x 5L Metric	634-069-9-001
	Pan Head Screw	3D x 6L Metric	634-093-9-002

CIRCUIT SYMBOL	DESCRIPTION		DYNASCAN PART NO.
	MISCELLANEOUS (Continued)		
	Hex Head Bolt	1/4-20 x 3/4L	660-012-1-302
	Hext Nut 1/4-20		680-214-1-312
	Lock Washer 1/4 I.D.		731-049-9-001
	Round Head Tapping Screw	5D x 10L	710-021-9-002
	Round Head Tapping Screw	4D x 10L	710-017-9-001
	Round Head Tapping Screw	3.5D x 8L	710-021-9-001
	Lock Washer 4 I.D.		731-052-9-001
	Lock Washer 3.5 I.D.		731-041-9-001
	Plain Washer 3 I.D.		724-021-9-001
	Spring Washer 3 I.D.		731-052-9-002
	E Ring 1.2 I.D.		741-102-9-002
	Lug Terminal		741-100-9-001
	Binding Head Tap Screw	3D x 6L Metric	710-021-9-004
	Pop Rivet	3.2D x 3.2L	733-022-9-001
	Eyelet	2.1D x 2L	735-009-9-001
	Poly Bag	W270 x L400 x T0.1	502-100-9-001
	Poly Bag	120 x 200 x 0.05	502-105-9-001
	Poly Bag	80 x 250 x 0.05	502-105-9-002
	Poly Bag	80 x 120 x 0.05	502-105-9-003
	Poly Bag	70 x 120 x 0.05	502-105-9-004
	Poly Bag	70 x 80 x 0.05	502-105-9-005
	Poly Bag	50 x 150 x 0.05	502-105-9-006
	Poly Bag	110 x 750 x 0.05	502-106-9-001
	Poly Bag	200 x 320 x 0.05	502-105-9-007
	Poly Bag	250 x 320 x 0.05	502-105-9-008
	Display Box		500-348-9-001
	Styrofoam Box		503-143-9-001
	Styrofoam Pad		503-143-9-002
	Master Carton		500-348-9-002
	Instruction Manual		480-209-9-001
	Schematic Diagram	See Line No. 13	— N/A —
	FCC Form 505		492-041-9-001
	FCC Form 555B		492-046-9-001
	FCC Rules Part 95		492-047-9-001
	Warranty Card		491-191-9-001
	Service Station Card		492-042-0-000
	Installation Manual		480-213-9-001
	Composite intensity of		499-117-9-001
	488-198-9-001 Schematic		
	488-198-9-002 Parts List		
	Printed Circuit Board, PC-229AA	CB Main	302-270-9-001
	Printed Circuit Board, PC-320AA	Radio Main	302-271-9-001
	Printed Circuit Board, PC-321AA	Pre-Amplifier	302-276-9-001
	Printed Circuit Board, PC-322AA	Volume Control	302-277-9-001
	Printed Circuit Board, PC-323AA	Power-Amplifier	302-278-9-001
	Printed Circuit Board, PC-324AA		302-279-9-001
	Printed Circuit Board, PC-325AA	Mode Switch	302-275-9-001

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