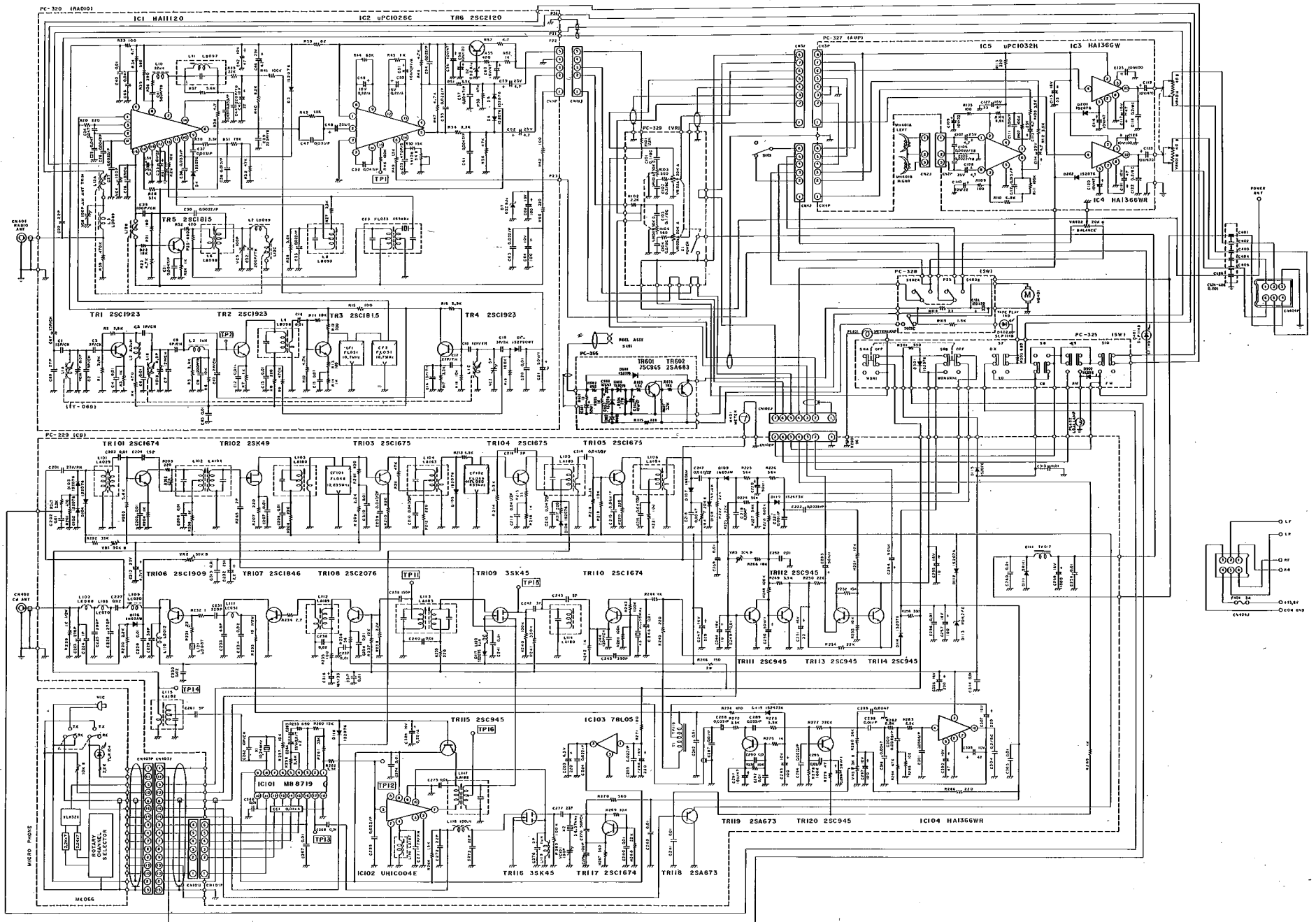


# CIRCUIT DIAGRAM FOR COBRA 50XLR



BILL OF MATERIAL FOR COBRA 50XLR

Table with columns: CIRCUIT SYMBOL, DESCRIPTION, DYNASCAN PART NO. Includes sections for IC, TRANSISTORS & DIODES and COILS & TRANSFORMER.

Table with columns: CIRCUIT SYMBOL, DESCRIPTION, DYNASCAN PART NO. Includes sections for COILS & TRANSFORMER (Continued) and VARIABLE RESISTORS.

Table with columns: CIRCUIT SYMBOL, DESCRIPTION, DYNASCAN PART NO. Includes sections for COILS & TRANSFORMER and RESISTORS.

Table with columns: CIRCUIT SYMBOL, DESCRIPTION, DYNASCAN PART NO. Includes sections for RESISTORS and CAPACITORS (Continued).

Table with columns: CIRCUIT SYMBOL, DESCRIPTION, DYNASCAN PART NO. Includes sections for RESISTORS (Continued) and CAPACITORS.

Table with columns: CIRCUIT SYMBOL, DESCRIPTION, DYNASCAN PART NO. Includes sections for CAPACITORS (Continued) and MISCELLANEOUS (Continued).

Table with columns: CIRCUIT SYMBOL, DESCRIPTION, DYNASCAN PART NO. Includes sections for CAPACITORS (Continued), CRYSTALS, MISCELLANEOUS, and MISCELLANEOUS (Continued).

Table with columns: CIRCUIT SYMBOL, DESCRIPTION, DYNASCAN PART NO. Includes sections for MISCELLANEOUS (Continued) and MISCELLANEOUS (Continued).

Table with columns: CIRCUIT SYMBOL, DESCRIPTION, DYNASCAN PART NO. Includes section for MISCELLANEOUS (Continued).

Table with columns: CIRCUIT SYMBOL, DESCRIPTION, DYNASCAN PART NO. Includes section for MISCELLANEOUS (Continued).

L-112	Coil, LA-189	060-024-9-010	R-57	Resistor, Carbon Film, 100K ohm ±5%	1/8W	002-108-5-330
L-111	Coil, LC-051	041-094-9-001	R-59	Resistor, Carbon Film, 470K ohm ±5%	1/8W	002-108-5-474
L-110	Coil, LC-012	044-028-9-003	R-228	Resistor, Carbon Film, 680K ohm ±5%	1/8W	002-108-5-684
L-109	Coil, LC-020	044-033-9-002	R-234	Resistor, Carbon Film, 2.7K ohm ±5%	1/8W	002-108-5-272
L-108	Coil, LE-070	044-048-9-001	R-57	Resistor, Carbon Film, 4.7 ohm ±5%	1/8W	002-108-5-479
L-107	Coil, LE-008	044-032-9-001	R-215	Resistor, Carbon Film, 33 ohm ±5%	1/8W	002-108-5-330

R-215	Resistor, Carbon Film, 33 ohm ±5%	1/8W	002-108-5-330
R-57	Resistor, Carbon Film, 4.7 ohm ±5%	1/8W	002-108-5-479
R-234	Resistor, Carbon Film, 2.7K ohm ±5%	1/8W	002-108-5-272
R-228	Resistor, Carbon Film, 680K ohm ±5%	1/8W	002-108-5-684
R-59	Resistor, Carbon Film, 470K ohm ±5%	1/8W	002-108-5-474
R-57	Resistor, Carbon Film, 100K ohm ±5%	1/8W	002-108-5-330

CIRCUIT SYMBOL	DESCRIPTION	DYNASCAN PART NO.	CIRCUIT SYMBOL	DESCRIPTION	DYNASCAN PART NO.
R-13	Resistor, Carbon Film, 68 ohm ±5%	1/8W 002-108-5-686	C-34,36,59,62,107,108,113,114	Capacitor, Electrolytic, 25V 4.7µF	022-157-9-003
R-105,109,221,271,285	Resistor, Carbon Film, 100 ohm ±5%	1/8W 002-108-5-101	C-248,255	Capacitor, Electrolytic, 16V 10µF	022-157-9-004
R-21	Resistor, Carbon Film, 180 ohm ±5%	1/8W 002-108-5-181	C-35,45,109,110	Capacitor, Electrolytic, 10V 22µF	022-163-9-001
R-8,60,205,207,212,217,220,245	Resistor, Carbon Film, 220 ohm ±5%	1/8W 002-108-5-221	C-115,127,251,316	Cap, 16V 33µF	022-157-9-006
R-20	Resistor, Carbon Film, 270 ohm ±5%	1/8W 002-108-5-271	C-42,56,116,117,120,121,291,302,303	Capacitor, Electrolytic, 10V 47µF	022-157-9-008
R-256,301	Resistor, Carbon Film, 330 ohm ±5%	1/8W 002-108-5-331	C-257	Capacitor, Electrolytic, 16V 100µF	022-157-9-009
R-36	Resistor, Carbon Film, 390 ohm ±5%	1/8W 002-108-5-391	C-283	Capacitor, Electrolytic, 6.3V 220µF	022-163-9-002
R-4,52,65	Resistor, Carbon Film, 470 ohm ±5%	1/8W 002-108-5-471	C-247,226,306,307	Capacitor, Electrolytic, 16V 220µF	022-163-9-003
R-103,104,267,270	Resistor, Carbon Film, 560 ohm ±5%	1/8W 002-108-5-561	C-119,123	Capacitor, Electrolytic, 10V 470µF	022-160-9-001
R-25,259,303	Resistor, Carbon Film, 680 ohm ±5%	1/8W 002-108-5-681	C-124	Capacitor, Electrolytic, 16V 470µF	022-076-9-008
R-12,210,281	Resistor, Carbon Film, 820 ohm ±5%	1/8W 002-108-5-821	C-259	Capacitor, Electrolytic, 16V 1000µF	022-163-9-004
R-3,7,14,24,45,62,201,204,216,289,275	Resistor, Carbon Film, 1K ohm ±5%	1/8W 002-108-5-102	C-47,221	Capacitor, Polyester Film, 50V 0.001µF ±10%	025-122-9-001
R-49,115,213	Resistor, Carbon Film, 1.5K ohm ±5%	1/8W 002-108-5-152	C-27,30,22	Capacitor, Polyester Film, 50V 0.0022µF ±10%	030-041-9-003
R-101,102,230,238	Resistor, Carbon Film, 2.2K ohm ±5%	1/8W 002-108-5-222	C-26,31,57,61	Capacitor, Polyester Film, 50V 0.0047µF ±10%	025-126-9-001
R-17,30,51,54,218,249,272	Resistor, Carbon Film, 3.3K ohm ±5%	1/8W 002-108-5-332	C-300,301	Capacitor, Polyester Film, 50V 0.0068µF ±10%	025-122-9-003
R-1,5,16	Resistor, Carbon Film, 3.9K ohm ±5%	1/8W 002-108-5-392	C-287,298	Capacitor, Polyester Film, 50V 0.01µF ±10%	025-121-9-002
R-10,23,46,47,108,112	Resistor, Carbon Film, 4.7K ohm ±5%	1/8W 002-108-5-472	C-38,111,112	Capacitor, Polyester Film, 50V 0.015µF ±10%	025-130-9-001
R-2,37,258,302	Resistor, Carbon Film, 5.6K ohm ±5%	1/8W 002-108-5-682	C-33,54,55,63,235,284,285	Capacitor, Polyester Film, 50V 0.022µF ±10%	025-121-9-003
R-106,110,282,283	Resistor, Carbon Film, 6.8K ohm ±5%	1/8W 002-108-5-682	C-36,37,43,288,289	Capacitor, Polyester Film, 50V 0.033µF ±10%	025-121-9-004
R-40	Resistor, Carbon Film, 8.2K ohm ±5%	1/8W 002-108-5-822	C-52	Capacitor, Polyester Film, 50V 0.047µF ±10%	025-121-9-006
R-6,18,61,219,251,253,257,269,276	Resistor, Carbon Film, 10K ohm ±5%	1/8W 002-108-5-103	C-215	Capacitor, Polyester Film, 50V 0.068µF ±10%	025-125-9-001
R-50,252,260	Resistor, Carbon Film, 15K ohm ±5%	1/8W 002-108-5-153	C-204	Capacitor, Ceramic Disk, 50V 1pF ±0.25pF, SL	020-190-9-001
R-11,22,31,43,266	Resistor, Carbon Film, 18K ohm ±5%	1/8W 002-108-5-183	C-243	Capacitor, Ceramic Disk, 50V 2pF ±0.25pF, SL	020-190-9-002
R-39,222,223,254,268	Resistor, Carbon Film, 22K ohm ±5%	1/8W 002-108-5-223	C-211,265	Capacitor, Ceramic Disk, 50V 2pF ±0.25pF, SL	020-187-9-001
R-28,261	Resistor, Carbon Film, 33K ohm ±5%	1/8W 002-108-5-333	C-242	Capacitor, Ceramic Disk, 50V 3pF ±0.25pF, SL	020-190-9-003
R-32,53,56,211,284	Resistor, Carbon Film, 47K ohm ±5%	1/8W 002-108-5-473	C-261,276	Capacitor, Ceramic Disk, 50V 5pF ±0.25pF, SL	020-180-9-009
R-224,225,226,280	Resistor, Carbon Film, 56K ohm ±5%	1/8W 002-108-5-563	C-22,272,273,270	Capacitor, Ceramic Disk, 50V 22pF ±5%, SL	020-190-9-005
R-44	Resistor, Carbon Film, 82K ohm ±5%	1/8W 002-108-5-823	C-68	Capacitor, Ceramic Disk, 50V 27pF ±5%, SL	020-190-9-006
R-19,41,107,111,240,243,265,278,288	Resistor, Carbon Film, 100K ohm ±5%	1/8W 002-108-5-104	C-229	Capacitor, Ceramic Disk, 50V 39pF ±10%, SL	020-190-9-007
R-277	Resistor, Carbon Film, 220K ohm ±5%	1/8W 002-108-5-224	C-233	Capacitor, Ceramic Disk, 50V 68pF ±10%, SL	020-180-9-015
R-241	Resistor, Carbon Film, 330K ohm ±5%	1/8W 002-108-5-334	C-279	Capacitor, Ceramic Disk, 50V 100pF ±10%, SL	020-180-9-016
R-9	Resistor, Carbon Film, 470K ohm ±5%	1/8W 002-108-5-474	C-239	Capacitor, Ceramic Disk, 50V 150pF ±10%, SL	020-180-9-014
R-114	Resistor, Carbon Film, 3.3 ohm ±5%	1/4W 002-104-5-339	C-231	Capacitor, Ceramic Disk, 50V 220pF ±10%, SL	020-180-9-019
R-233	Resistor, Carbon Film, 10 ohm ±5%	1/2W 001-102-5-100	C-223,226	Capacitor, Ceramic Disk, 50V 270pF ±10%, SL	020-190-9-010
R-231	Resistor, Carbon Film, 22 ohm ±5%	1/8W 002-108-5-220	C-225,245	Capacitor, Ceramic Disk, 50V 390pF ±10%, SL	020-190-9-011
R-58	Resistor, Carbon Film, 82 ohm ±5%	1/8W 002-108-5-820	C-294	Capacitor, Ceramic Disk, 50V 0.001µF ±10%, YF	020-190-9-012
R-229	Resistor, Carbon Film, 1K ohm ±5%	1/8W 002-108-5-102	C-218,219,299,318	Capacitor, Ceramic Disk, 50V 0.0022µF ±10%, YF	020-190-9-013
R-48	Resistor, Carbon Film, 100K ohm ±5%	1/8W 002-108-5-104	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, 50V 0.0047µF ±10%, YF	020-190-9-014
R-246	Resistor, Metalic Film, 150 ohm ±10%	2W 013-019-9-001	C-105,106	Capacitor, Ceramic Disk, 50V 0.01µF ±10%, YF	020-190-9-015

CIRCUIT SYMBOL	DESCRIPTION	DYNASCAN PART NO.
C-263,264	Capacitor, Tantalum, 25V 2.2µF ±20%	027-031-9-001
C-312	Capacitor, Tantalum, 25V 4.7µF ±20%	027-031-9-002
C-49,50,308	Capacitor, Aluminum Solid, 16V 0.22µF ±20%	022-158-9-001
C-51	Capacitor, Aluminum Solid, 16V 0.47µF ±20%	022-161-9-002
C-53	Capacitor, Polystyrene Film, 50V 470pF ±5%	030-042-9-002
C-21,48,220,253,250,254,296	Capacitor, Electrolytic, 50V 1µF	022-157-9-002
C-232	Capacitor, Electrolytic, 25V 2.2µF	022-158-9-002

CIRCUIT SYMBOL	DESCRIPTION	DYNASCAN PART NO.
C-248,255	Capacitor, Electrolytic, 16V 10µF	022-157-9-004
C-35,45,109,110	Capacitor, Electrolytic, 10V 22µF	022-163-9-001
C-115,127,251,316	Cap, 16V 33µF	022-157-9-006
C-42,56,116,117,120,121,291,302,303	Capacitor, Electrolytic, 10V 47µF	022-157-9-008
C-257	Capacitor, Electrolytic, 16V 100µF	022-157-9-009
C-283	Capacitor, Electrolytic, 6.3V 220µF	022-163-9-002
C-247,226,306,307	Capacitor, Electrolytic, 16V 220µF	022-163-9-003
C-119,123	Capacitor, Electrolytic, 10V 470µF	022-160-9-001
C-124	Capacitor, Electrolytic, 16V 470µF	022-076-9-008
C-259	Capacitor, Electrolytic, 16V 1000µF	022-163-9-004
C-47,221	Capacitor, Polyester Film, 50V 0.001µF ±10%	025-122-9-001
C-27,30,22	Capacitor, Polyester Film, 50V 0.0022µF ±10%	030-041-9-003
C-26,31,57,61	Capacitor, Polyester Film, 50V 0.0047µF ±10%	025-126-9-001
C-300,301	Capacitor, Polyester Film, 50V 0.0068µF ±10%	025-122-9-003
C-287,298	Capacitor, Polyester Film, 50V 0.01µF ±10%	025-121-9-002
C-38,111,112	Capacitor, Polyester Film, 50V 0.015µF ±10%	025-130-9-001
C-33,54,55,63,235,284,285	Capacitor, Polyester Film, 50V 0.022µF ±10%	025-121-9-003
C-36,37,43,288,289	Capacitor, Polyester Film, 50V 0.033µF ±10%	025-121-9-004
C-52	Capacitor, Polyester Film, 50V 0.047µF ±10%	025-121-9-006
C-215	Capacitor, Polyester Film, 50V 0.068µF ±10%	025-125-9-001
C-204	Capacitor, Ceramic Disk, 50V 1pF ±0.25pF, SL	020-190-9-001
C-243	Capacitor, Ceramic Disk, 50V 2pF ±0.25pF, SL	020-190-9-002
C-211,265	Capacitor, Ceramic Disk, 50V 2pF ±0.25pF, SL	020-187-9-001
C-242	Capacitor, Ceramic Disk, 50V 3pF ±0.25pF, SL	020-190-9-003
C-261,276	Capacitor, Ceramic Disk, 50V 5pF ±0.25pF, SL	020-180-9-009
C-22,272,273,270	Capacitor, Ceramic Disk, 50V 22pF ±5%, SL	020-190-9-005
C-68	Capacitor, Ceramic Disk, 50V 27pF ±5%, SL	020-190-9-006
C-229	Capacitor, Ceramic Disk, 50V 39pF ±10%, SL	020-190-9-007
C-233	Capacitor, Ceramic Disk, 50V 68pF ±10%, SL	020-180-9-015
C-279	Capacitor, Ceramic Disk, 50V 100pF ±10%, SL	020-180-9-016
C-239	Capacitor, Ceramic Disk, 50V 150pF ±10%, SL	020-180-9-014
C-231	Capacitor, Ceramic Disk, 50V 220pF ±10%, SL	020-180-9-019
C-223,226	Capacitor, Ceramic Disk, 50V 270pF ±10%, SL	020-190-9-010
C-225,245	Capacitor, Ceramic Disk, 50V 390pF ±10%, SL	020-190-9-011
C-294	Capacitor, Ceramic Disk, 50V 0.001µF ±10%, YF	020-190-9-012
C-218,219,299,318	Capacitor, Ceramic Disk, 50V 0.0022µF ±10%, YF	020-190-9-013
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, 50V 0.0047µF ±10%, YF	020-190-9-014
C-105,106	Capacitor, Ceramic Disk, 50V 0.01µF ±10%, YF	020-190-9-015
C-9,39,44		

CIRCUIT SYMBOL	DESCRIPTION	DYNASCAN PART NO.
CN2-P	Plug 3 pins PC-043	523-209-9-003
CN11-P	Plug 5 pins PC-044	523-209-9-004
Wire Nut, YY-008		763-083-9-001
Tuner Ass'y, YY-069		523-209-9-005
Cassette Tape Deck Ass'y, YY-068		523-209-9-006
Pushbutton Switch, Function SW-122		088-039-9-001
Noise Suppression Resistor, RX-004 10K ohm		013-026-9-002
Noise Suppression Capacitor, CZ-031 0.47µF		021-062-9-001
Fuse, FS-001 3A		191-251-3-003
Power and Speaker Cord Ass'y		426-028-9-001
"A" Lead Adaptor		426-026-9-005
Ground Wire		426-025-9-001
CB Antenna Cord Ass'y		426-028-9-002
Front Chassis		258-029-9-001
Top Cover		253-063-9-001
Bottom Cover		252-023-9-001
Rear Chassis		258-030-9-001
Function Switch MTG Bracket		251-329-9-001
Tape Indicator MTG Bracket		251-330-9-001
Balance Control MTG Bracket		251-331-9-001
Heat Sink for AF Power IC		747-057-9-001
Auxiliary Heat Sink		747-057-9-003
Heat Sink for RF Power Transistor		747-057-9-004
Heat Sink for Modulator Power IC		747-057-9-004
Shield Case for PLL		256-074-9-001
Shield Cover for PLL		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 Mic & PWR)		741-101-9-001
Tuner Cover		253-064-9-001
Cord Clamp (for ANT)		741-099-9-002
Pointer Guide		763-095-9-001
Dial Pointer		763-095-9-002
Eject Lever		763-095-9-003
Lamp Holder		763-093-9-001
Sub Chassis Ass'y		523-209-9-007
Radio PC Board MTG Stud		763-095-9-004
Tape Slot Door Ass'y		523-209-9-008
Knob Spring for Ford Front Knob		767-051-9-001
Microphone Connector Bracket		251-325-9-001
Plug Holder		251-326-9-001
Perforated Mounting Strap		251-334-9-001
Microphone Hanger		741-074-9-001
VR Back-up Bracket		251-335-9-001
Escutcheon		380-293-9-001
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

CIRCUIT SYMBOL	DESCRIPTION	DYNASCAN PART NO.
C-41	Capacitor, Ceramic Disk, 50V 560pF ±10% YB	020-190-9-020
C-4,6,12,13,14,15,20,40,65	Capacitor, Ceramic Disk, 12V 0.01µF ±20% YF	020-190-9-021
C-24,25,66	Capacitor, Ceramic Disk, 12V 0.047µF ±20% YF	020-190-9-022
C-271	Capacitor, Ceramic Disk, 50V 7pF ±0.25pF, RH	020-190-9-023
C-201	Capacitor, Ceramic Disk, 50V 27pF	020-190-9-024
C-19	Capacitor, Ceramic Disk, 50V 3pF ±0.25pF, TH	020-190-9-025
C-18	Capacitor, Ceramic Disk, 50V 12pF ±5%, TH	020-190-9-026
C-16	Capacitor, Ceramic Disk, 50V 15pF ±5%, TH	020-190-9-027
C-17	Capacitor, Ceramic Disk, 50V 27pF ±5%, TH	020-190-9-028
C-32	Capacitor, Ceramic Disk, 50V 200pF ±5%, TH	020-190-9-029
C-5	Capacitor, Ceramic Disk, 50V 1pF ±0.25pF, CH	020-180-9-001
C-10	Capacitor, Ceramic Disk, 50V 2pF ±0.25pF, CH	020-180-9-002
C-3,3,28	Capacitor, Ceramic Disk, 50V 3pF ±0.25pF, CH	020-180-9-003
C-8	Capacitor, Ceramic Disk, 50V 4pF ±0.25pF, CH	020-180-9-004
C-2	Capacitor, Ceramic Disk, 50V 10pF ±5%, CH	020-181-9-009
C-262	Capacitor, Ceramic Disk, 50V 12pF ±5%, CH	020-190-9-033
C-17	Capacitor, Ceramic Disk, 50V 15pF ±5%, CH	020-186-9-001
C-11,67	Capacitor, Ceramic Disk, 50V 56pF ±5%, CH	020-190-9-034
C-273	Capacitor, Ceramic Disk, 50V 120pF ±5%, CH	020-190-9-035
C-29	Capacitor, Ceramic Disk, 50V 100pF ±5%, CH	020-190-9-036
C-244	Capacitor, Ceramic Disk, 12V 0.2µF ±5%, BC	020-187-9-012
C-118,122,304	Capacitor, Ceramic Disk, 12V 0.2µF ±20%, BC	020-190-9-037
C-101,102,103,104		