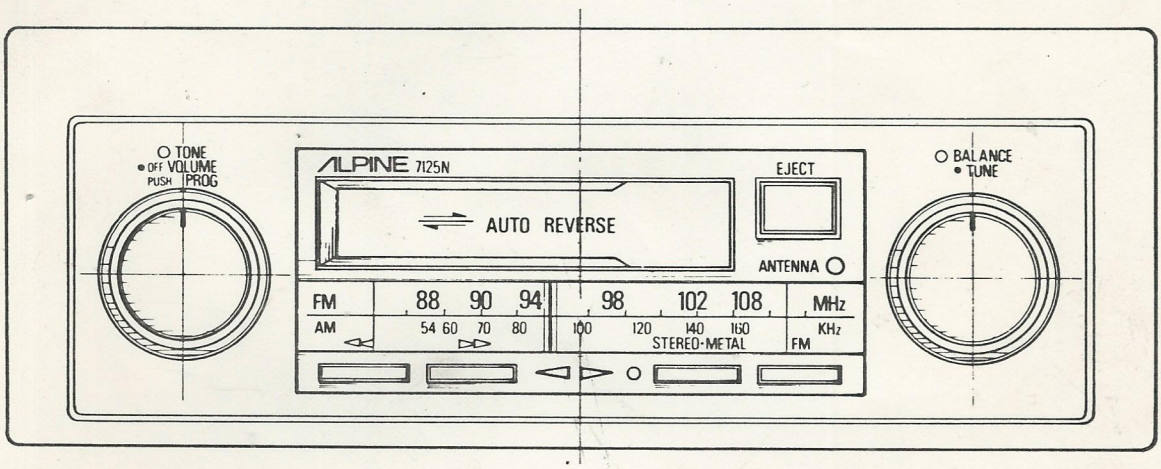
ALPINE SERVICE MANUAL

FM-AM Cassette
Auto Reverse



7125N

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Specifications

FM RADIO

Intermediate Frequency	10.7±0.1 MHz
Frequency Range	87+0.5 to 108.25±0.5 MHz
Usable Sensitivity (Stereo at 98 MHz)	10.0 μV
Signal to Noise Ratio (Stereo)	40 dB
Image Rejection (at 106 MHz)	40 dB
IF Rejection (at 90 MHz)	60 dB
Distortion (at 98 MHz)	2%
Frequency Response (–6 dB)	LOW: 80 Hz / HIGH: 7,000 Hz
Stereo Separation (1,000 Hz)	20 dB

AM RADIO

Intermediate Frequency	455±5 kHz
Frequency Range	510^{+20}_{-10} to 1,650±40 kHz
Sensitivity (20 dB S/N at 1,000 kHz)	20 μV
Signal to Noise Ratio (at 1,000 kHz)	40 dB
Image Rejection (at 1,400 kHz)	50 dB
IF Rejection (at 1,000 kHz)	40 dB
Distortion (at 1 kHz)	3%
Frequency Response (–6 dB)	LOW: 80 Hz / HIGH: 1,800 Hz

TAPE PLAYER

Wow & Flutter (JIS, WRMS/MTT-111)	0.2%
Tape Speed (MTT-111)	4.76 cm/sec. +3.0 to –1.0%
Signal to Noise Ratio (MTT-112)	40 dB
Distortion (MTT-118)	3%
Frequency Response (–3 dB/MTT-216)	LOW: 100 Hz / HIGH: 8,000 Hz
Separation (MTT-141)	30 dB
Crosstalk (MTT-121)	40 dB
FF & REW Time (C-60)	100 sec.

GENERAL

Power Supply	14.0V DC
Output Power (10% THD.)	3.5W/Ch.
Load Impedance	4Ω
Semiconductors	6 ICs, 7 Transistors, 14 Diodes, 2 Zener Diodes
Dimensions	
Nosepiece (W x H x D)	95 x 41 x 33 mm
Chassis (W x H x D)	160 x 50 x 115 mm
Weight	1.3 kg

Parts Locations and Disassembly Instructions

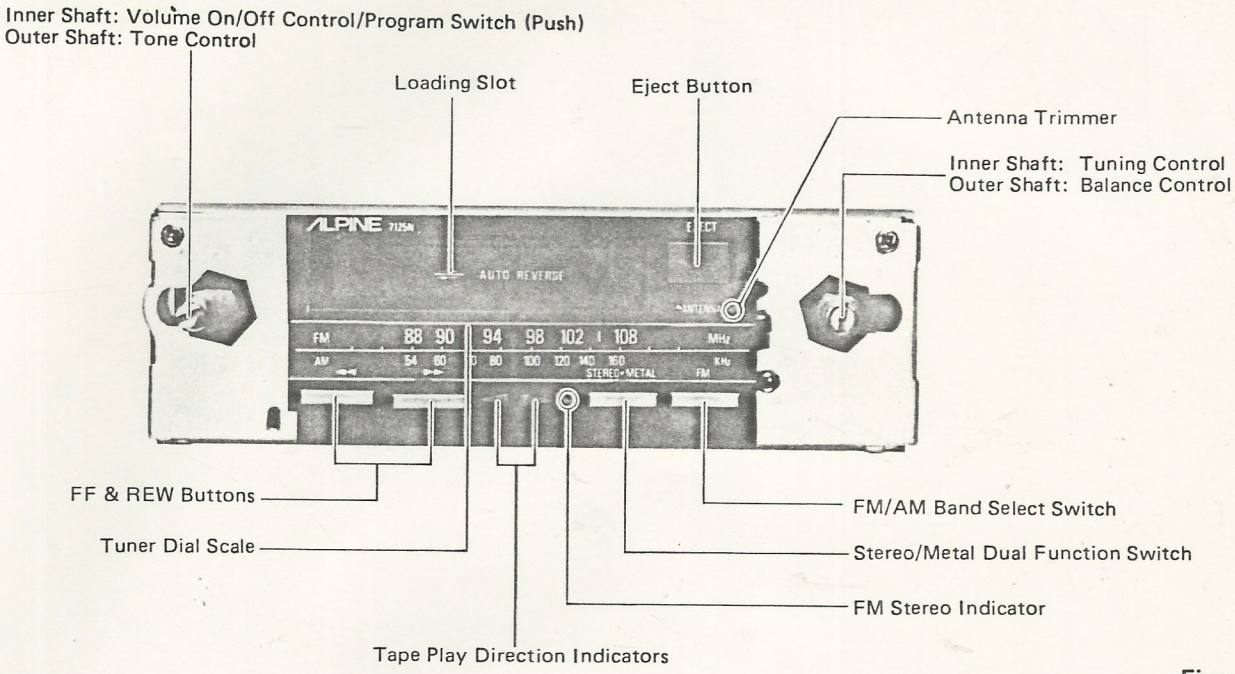


Figure 1

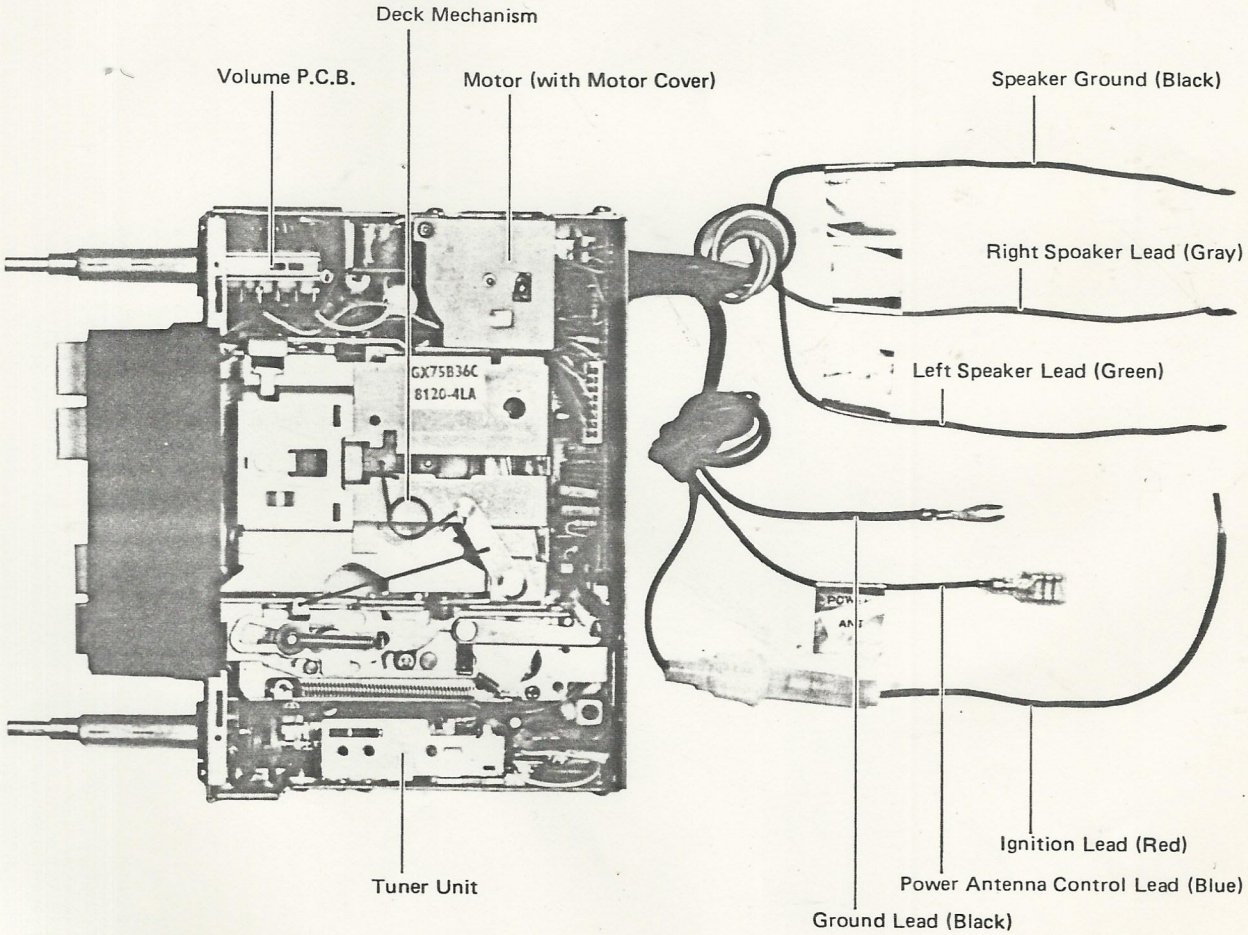


Figure 2

1. Removal of Top Cover.

(1) Remove the one screw marked "●" in Figure 4.

(2) Remove Top Cover as shown in Figure 3.

2. Removal of Nosepiece

(1) Pull Nosepiece out after slightly depressing Nosepiece hooks marked "□" in Figure 3.
(Do not exert excessive pressure to avoid breaking the hooks.)

3. Removal of Bottom Cover

(1) Remove the one screw marked "▲" in Figure 4.

(2) Remove Bottom Cover.

4. Removal of Rear Cover

(1) Remove the six screws marked "■" in Figures 3, 4 and 5.

(2) Remove Rear Cover.

5. Removal of Chassis Side (L)

(1) Remove the five screws marked "★" in Figures 3, 4 and 5.

(2) Disconnect the wires from the choke filter.

(3) Remove Chassis Side (L) with choke filter.

6. Removal of Volume P.C. Board

(1) Remove the one nut in Figure 3.

(2) Disconnect all wires from Volume P.C. Board.

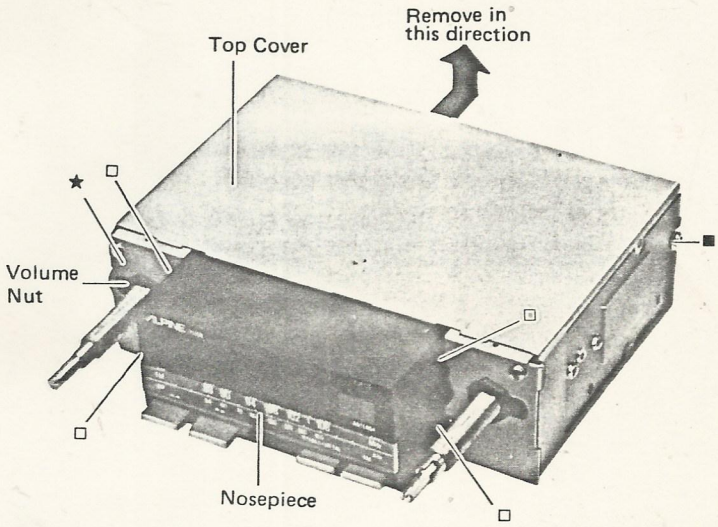


Figure 3

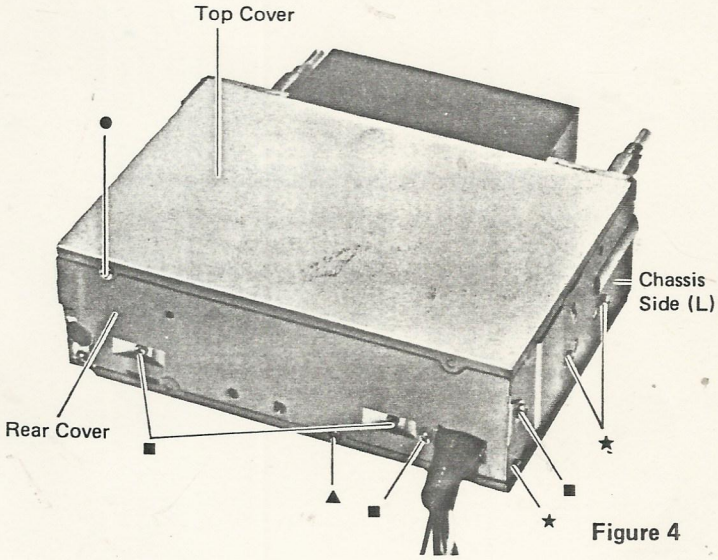


Figure 4

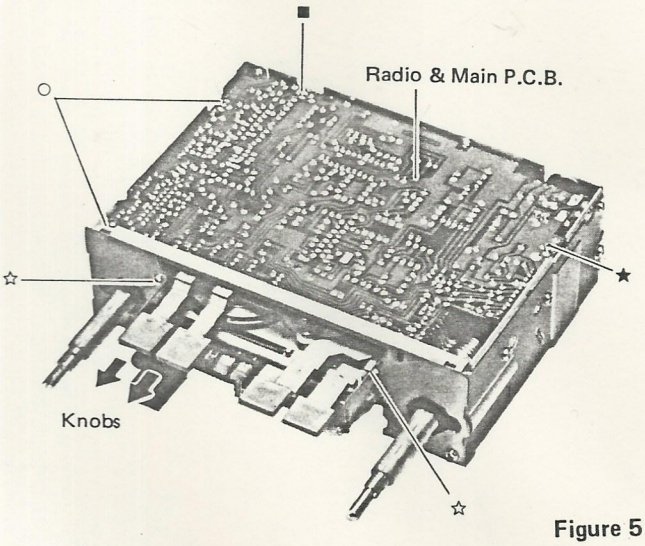


Figure 5

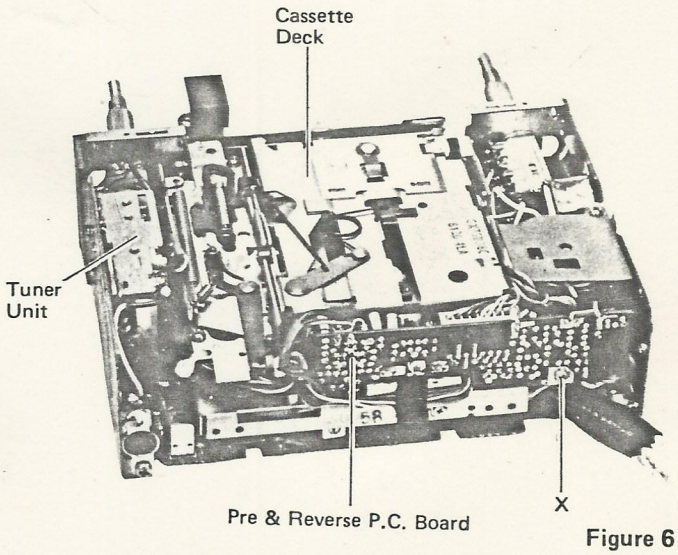


Figure 6

7. Removal of Radio & Main P.C. Board

(1) Remove the two screws marked "○" in Figure 5.
(2) Pull the hooks out as shown in Figure 5.
(3) Disconnect all wires from Radio & Main P.C. Board.

8. Removal of Cassette Deck with Reverse P.C. Board

(1) Remove the two screws marked "☆" in Figure 5.
(2) Disconnect the wires from Reverse P.C. Board.
(3) Remove Cassette Deck with Reverse P.C. Board.

9. Removal of Pre & Reverse P.C. Board

(1) Take off solder that holds the screw marked "x" and then remove the screw in Figure 7.
(2) With Reverse P.C. Board inclined outward, remove the two screws marked "◆" in Figure 7.
(3) Remove Reverse P.C. Board.

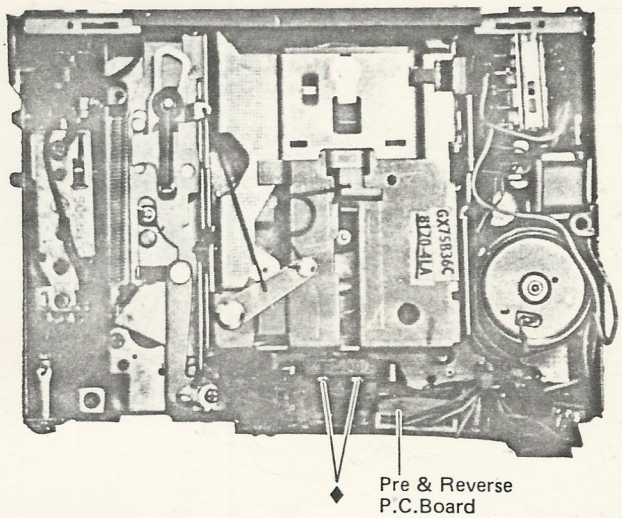


Figure 7

Removal of Main Parts of Deck Mechanism

1. Removal of Motor

(1) After removal of Cassette Deck, remove the two screws shown as "A" in Figure 8.
(2) Disconnect the connecting lead from Motor.
(3) Remove Motor.

2. Removal of Head & Slide Switch P.C. Board

(1) Remove two screws "☆" in Figure 9.
(2) Remove the Riv. frame lever assy.
(3) Take off solder that holds the screw "N" and then remove the three screws "N" and "M" in Figure 10.
(4) Remove Head & Slide Switch P.C. Board.

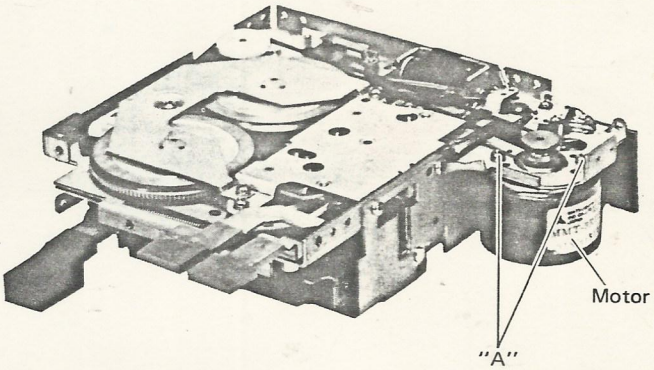


Figure 8

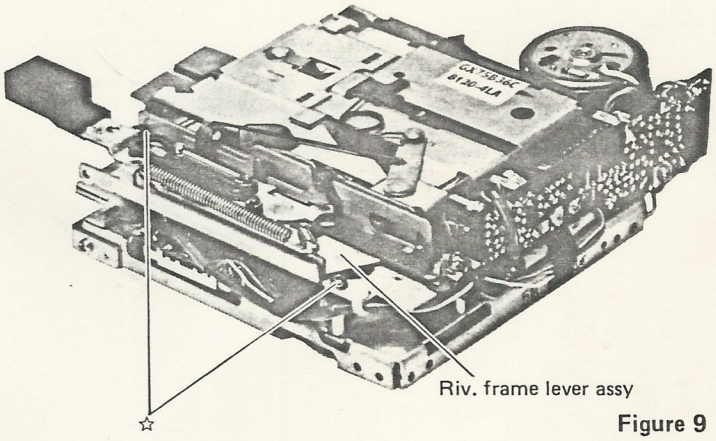


Figure 9

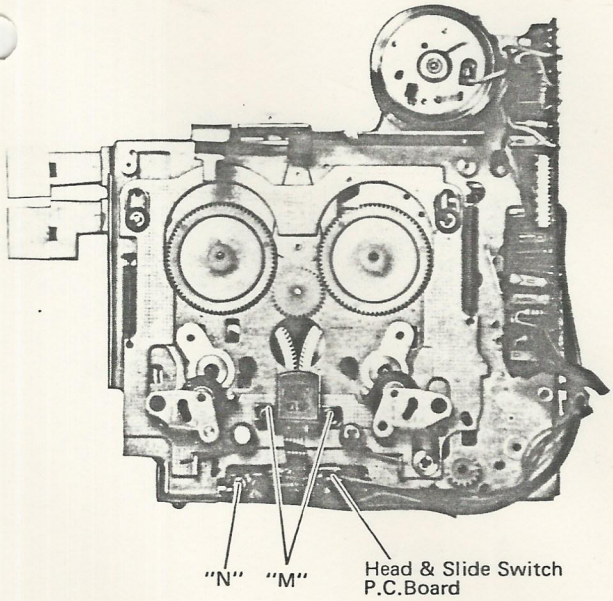


Figure 10

Adjustment Procedures

1. AM Radio

(1) Dummy Antenna Circuit

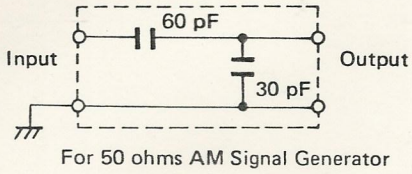


Figure 11

(2) Connections

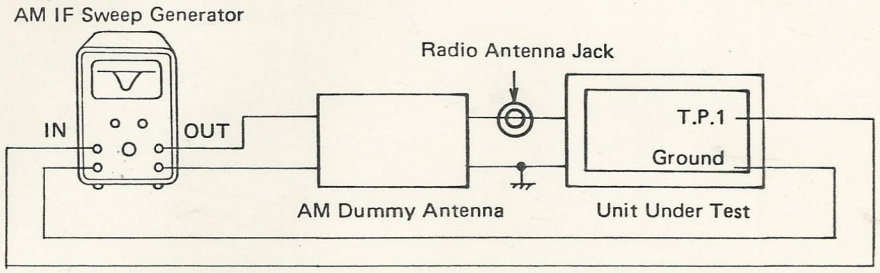


Figure 12

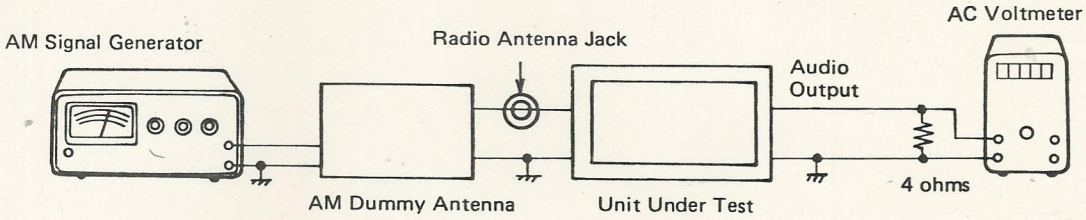


Figure 13

(3) Control Setting

Radio ..... ON
FM ..... OFF (■)
Others ..... OFF
Tone ..... max.
Balance ..... Mechanical Center

(4) Adjustment Procedures

Step	Description	Connection	Generator Frequency	Dial Control	Adjustment
1	IF Adjustment	Figure 12	455 kHz (Sweep)	Point of noninterference	IFT151 for optimum "U" curve and max. output
2	Band Covering	Figure 13	1,650 kHz 20 μV	Extreme High End	CT152 for max. output
			510 kHz 20 μV	Extreme Low End	L151 for max. output
3	Tracking	Figure 13	1,400 kHz 20 μV	Tune to 1,400 kHz Signal	CT151, 451 for max. output

2. FM Radio

(1) Dummy Antenna Circuit

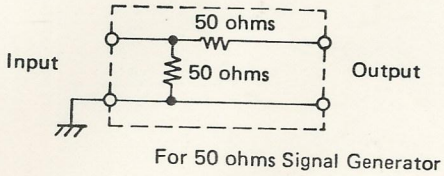


Figure 14

(2) Connections

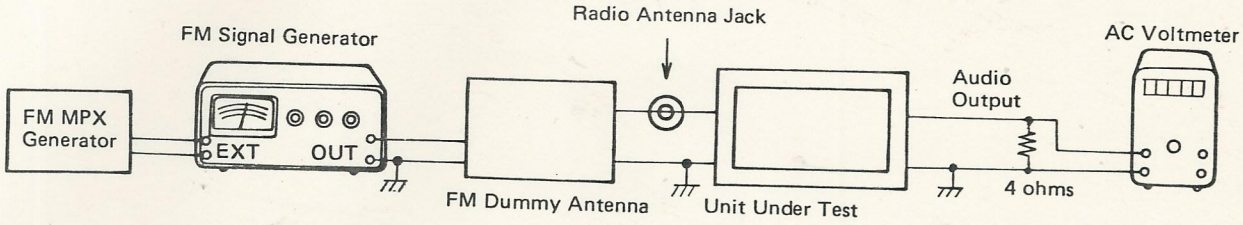


Figure 15

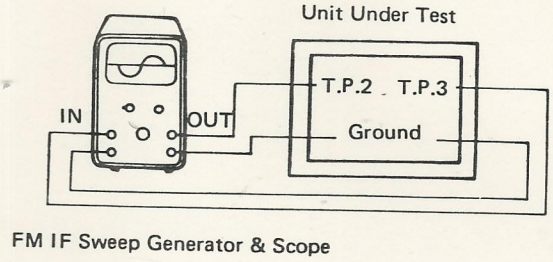


Figure 16

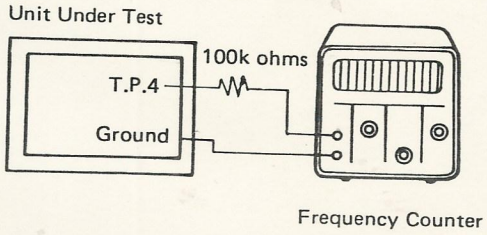


Figure 17

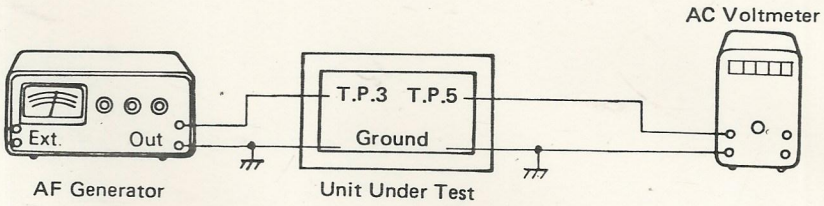


Figure 18

(3) Control Setting

Radio ..... ON
FM ..... ON (▬)
Others ..... OFF
Tone ..... Max.
Balance ..... Mechanical Center

(4) Adjustment Procedures

Step	Description	Connection	Generator Frequency	Dial Control	Adjustment
1	IF Adjustment	Figure 16	10.7 MHz (Sweep)	Point of noninterference	IFT1 for optimum "S" curve
2	Free-Running Frequency Adjustment	Figure 17	No Signal	–	VR101 for 19 kHz
3	Stereo Separation Adjustment	Figure 15	1,000 μV at 98 MHz (Mod. 1 kHz Stereo Signal)	Tune to 98 MHz Signal	VR102 for max separation
4	19 kHz Trap Adjustment	Figure 18	200 mV at 19 kHz	–	L51 for min. output

3. Tape Player

(1) Connection

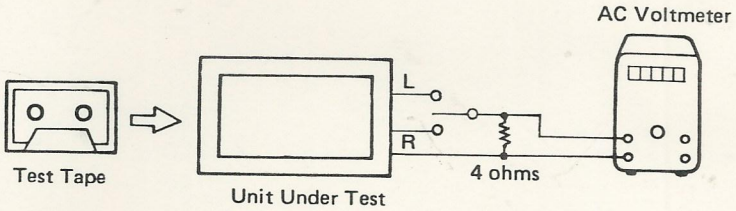
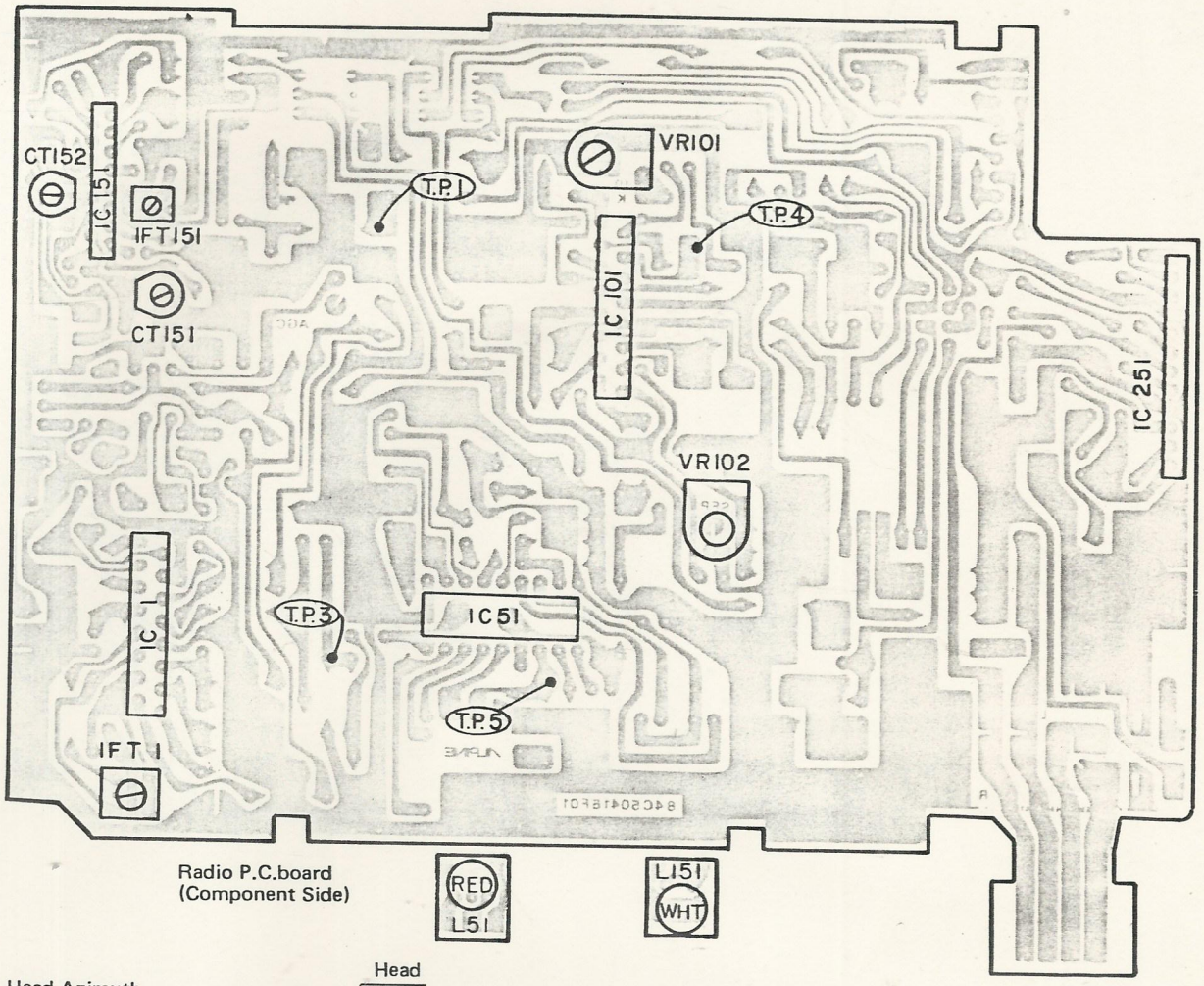


Figure 19

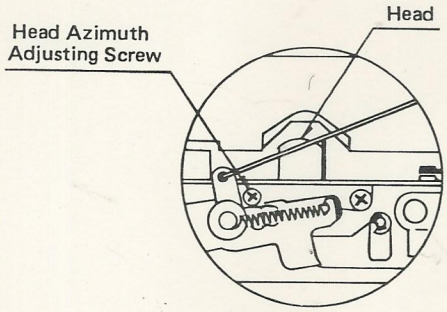
(2) Adjustment Procedure

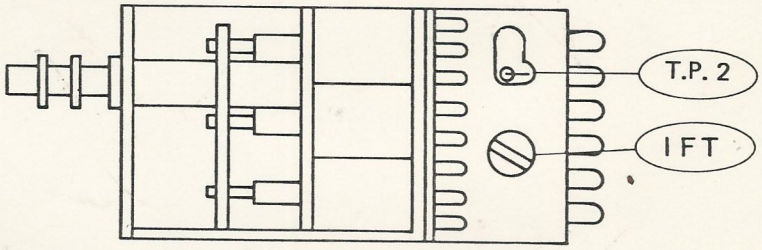
Step	Description	Test Tape	Adjustment Parts	Adjustment
1	Head Azimuth Adjustment	MTT-114 (10 kHz)	Head Azimuth Screw	Adjust for max. output

Adjustment Locations

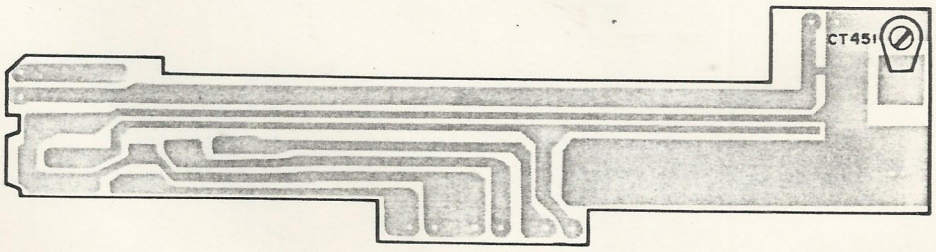


Radio P.C.board
(Component Side)





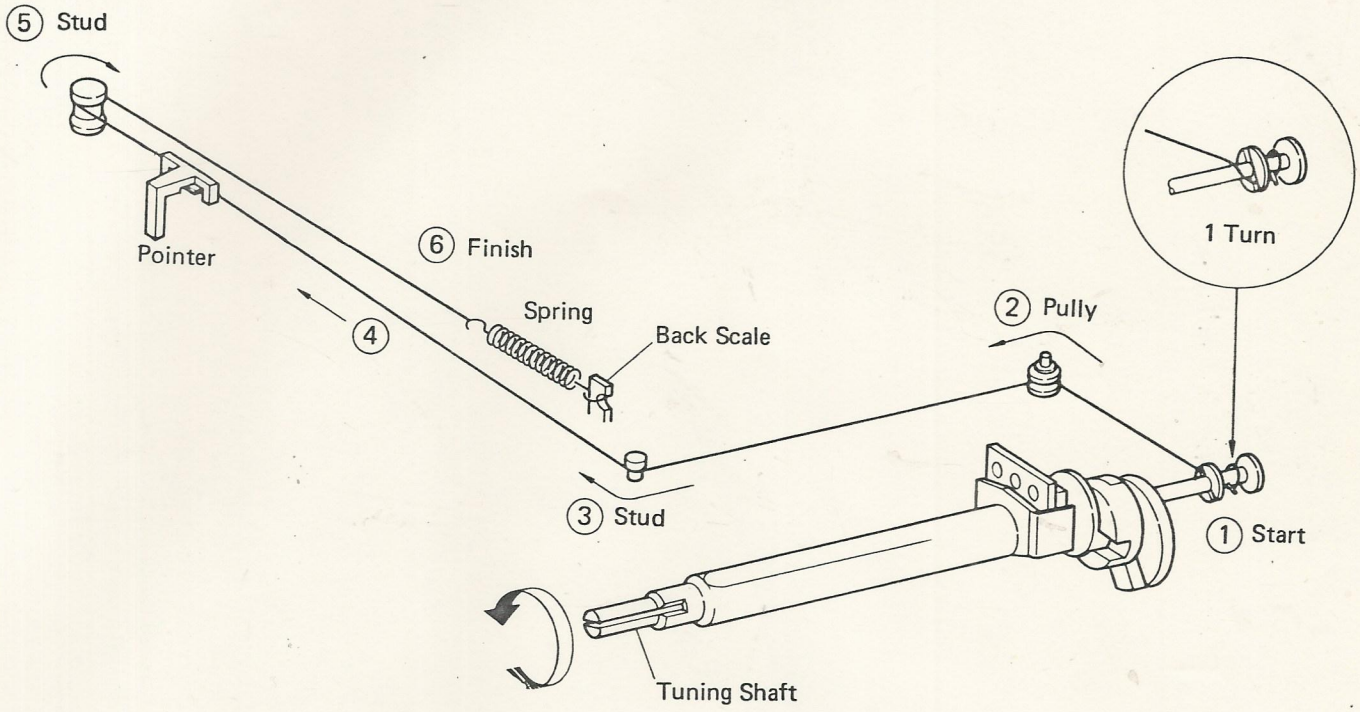
Tuner Unit



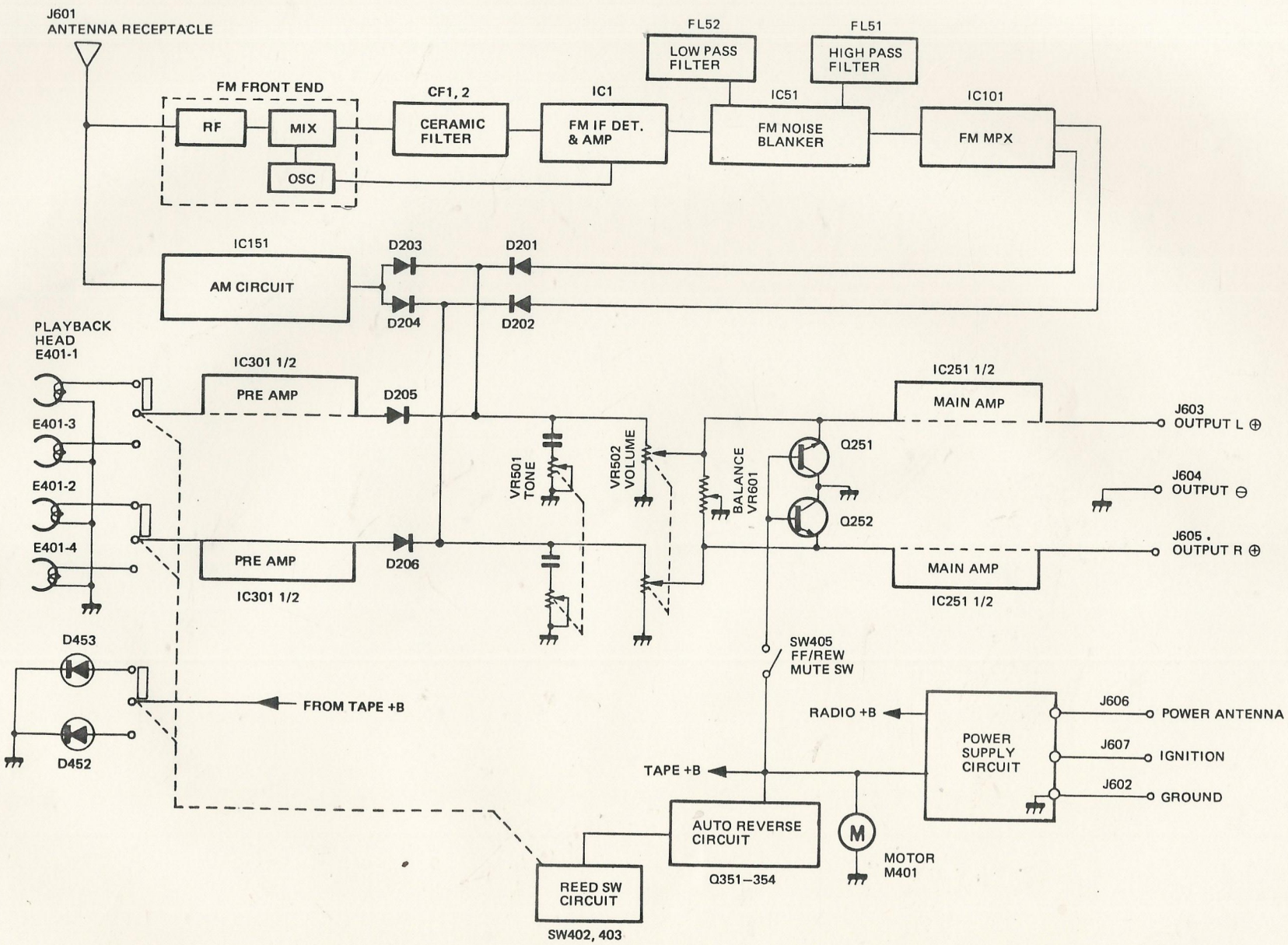
Lamp P.C.Board
(Component Side)

Dial Cord Stringing

1) Set the turning capacitor to the maximum (by turning it fully counterclockwise).
2) Wind the dial cord in the numerical sequence as shown below.

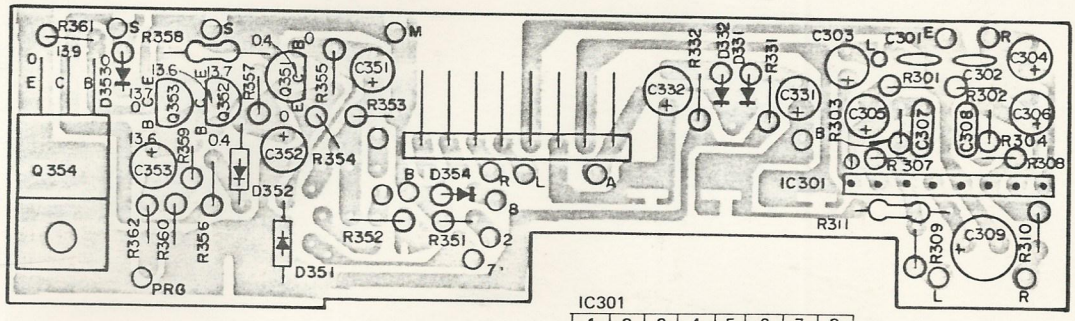


Block Diagram



Parts Layout on P.C. Boards

- **Pre-Amp & Reverse P.C.Board**



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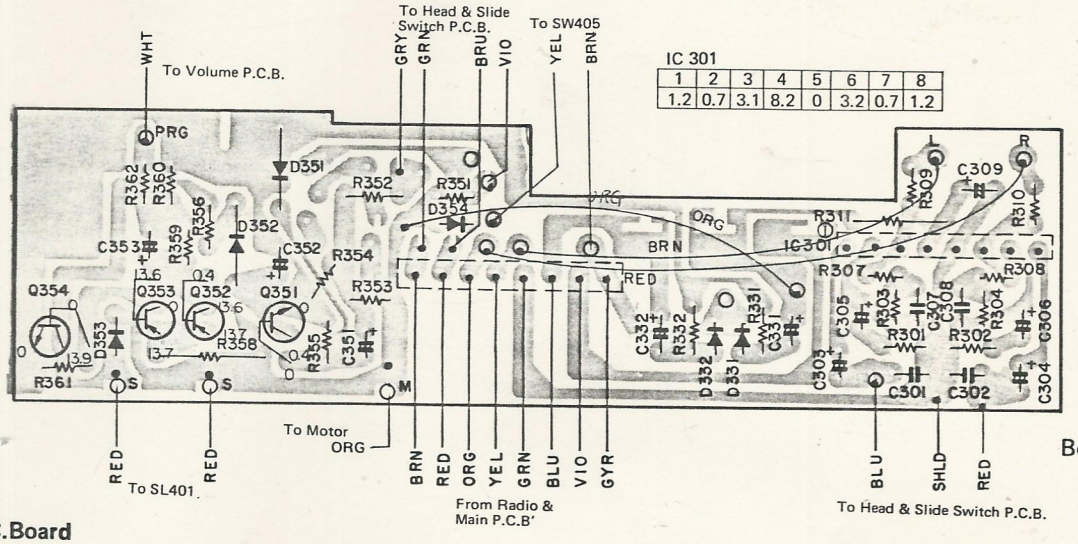
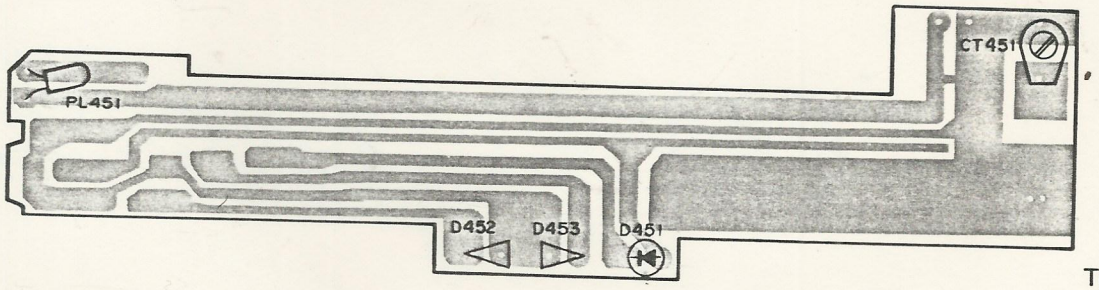
1	2	3	4	5	6	7	8
1.2	0.7	3.1	8.2	0	3.2	0.7	1.2

Top View

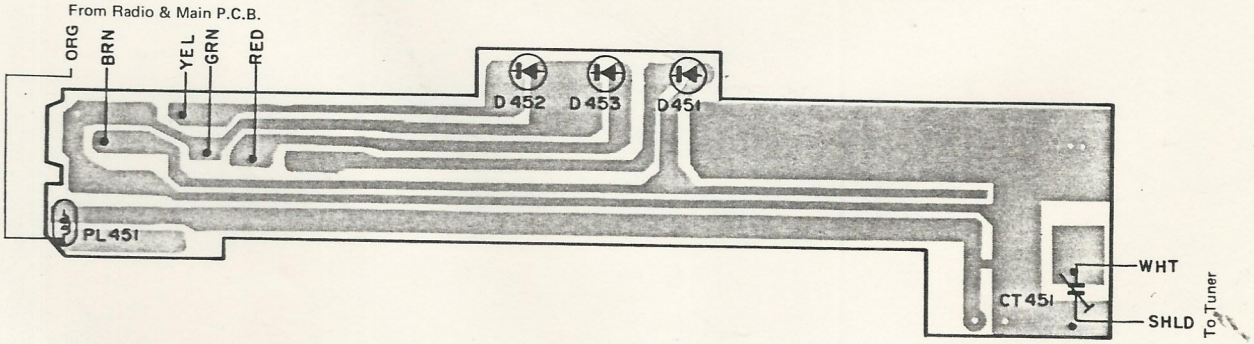


Bottom View

- **Lamp P.C.Board**

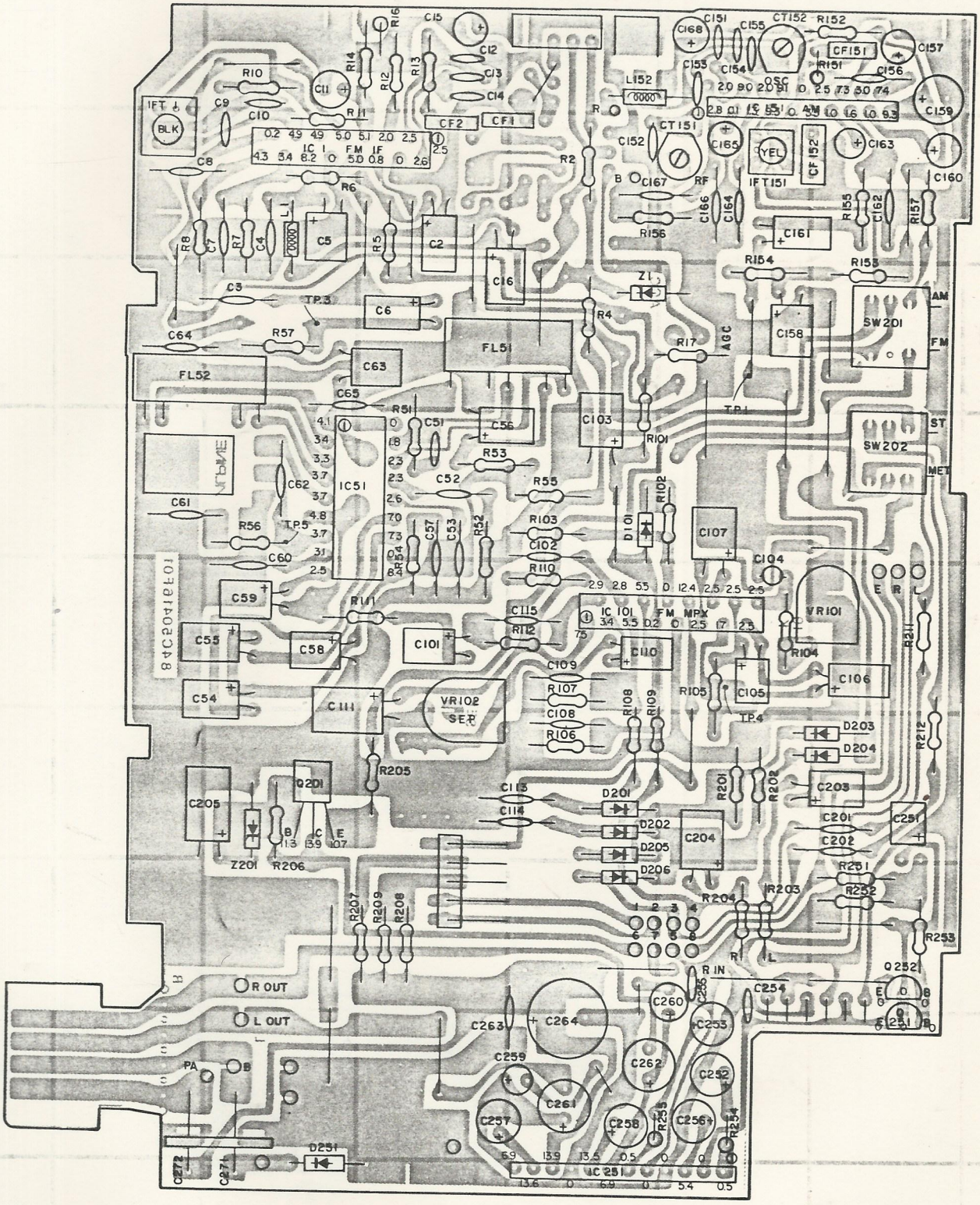


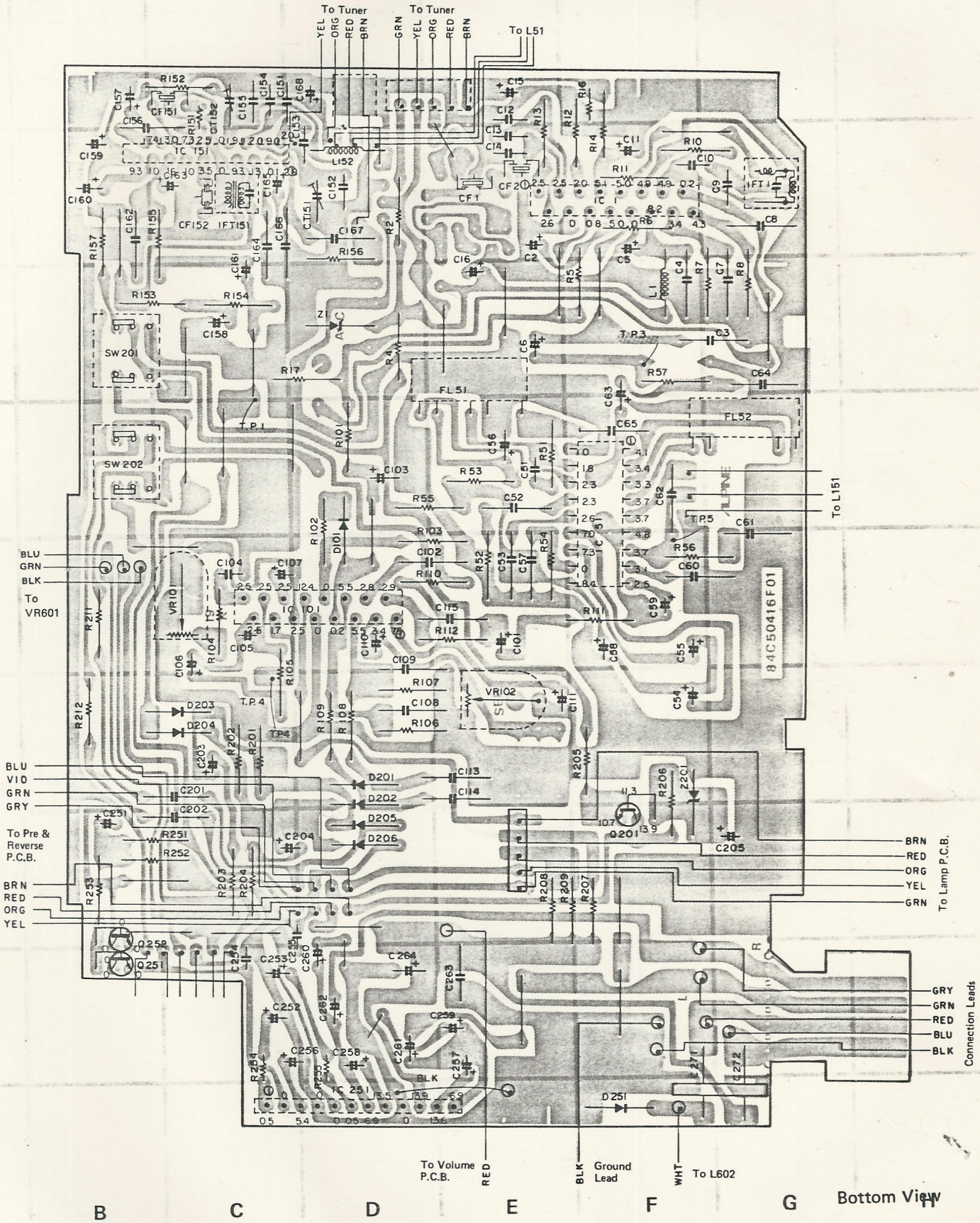
Top View



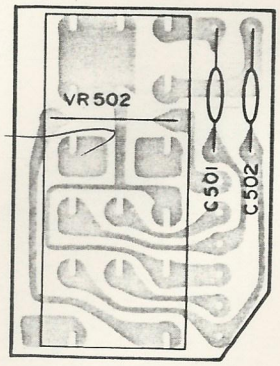
Bottom View

- **Radio & Main P.C.Board**

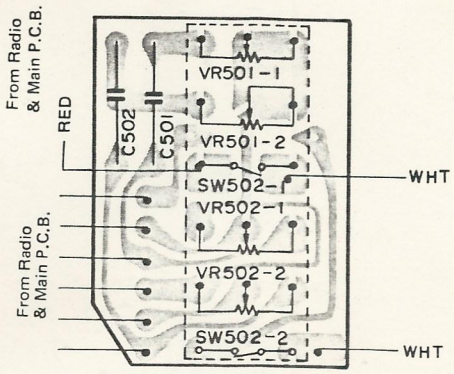



To Tuner
YEL
ORG
RED
BRN
To Tuner
GRN
YEL
ORG
RED
BRN
To L51
To L151
BLU
GRN
BLK
To VR601
BLU
VIO
GRN
GRY
To Pre & Reverse P.C.B.
BRN
RED
ORG
YEL
BRN
RED
ORG
YEL
GRN
To Lamp P.C.B.
GRY
GRN
RED
BLU
BLK
Connection Leads
To Volume P.C.B.
RED
BLK
Ground Lead
WHT
To L602
84C50416F01
Bottom View
A
B
C
D
E
F
G
H

- **Volume P.C.Board**

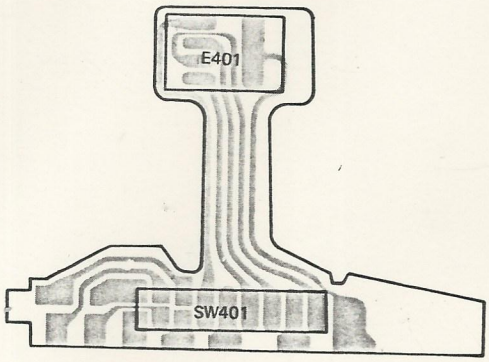


Top View

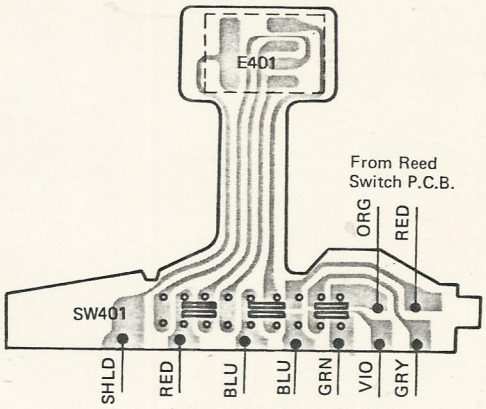


Bottom View

- **Head & Slide Switch P.C.Board**

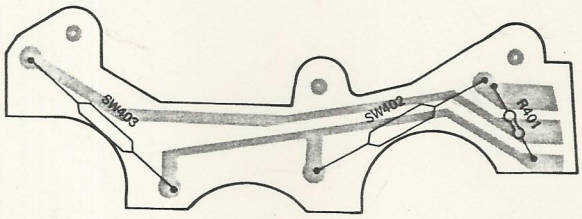


Top View

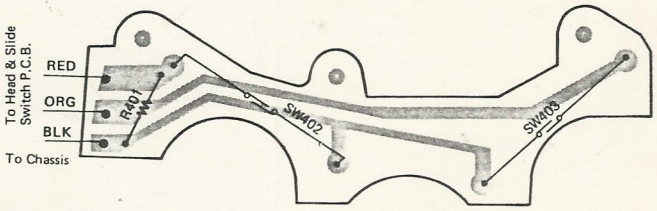


Bottom View

- **Reed Switch P.C.Board**

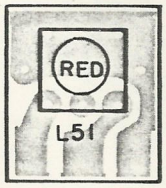


Top View

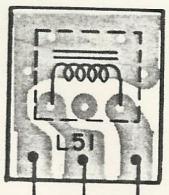


Bottom View

- **Coil P.C.Board**

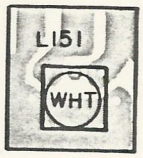


Top View



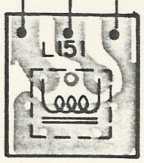
Bottom View

From Radio & Main P.C.B.



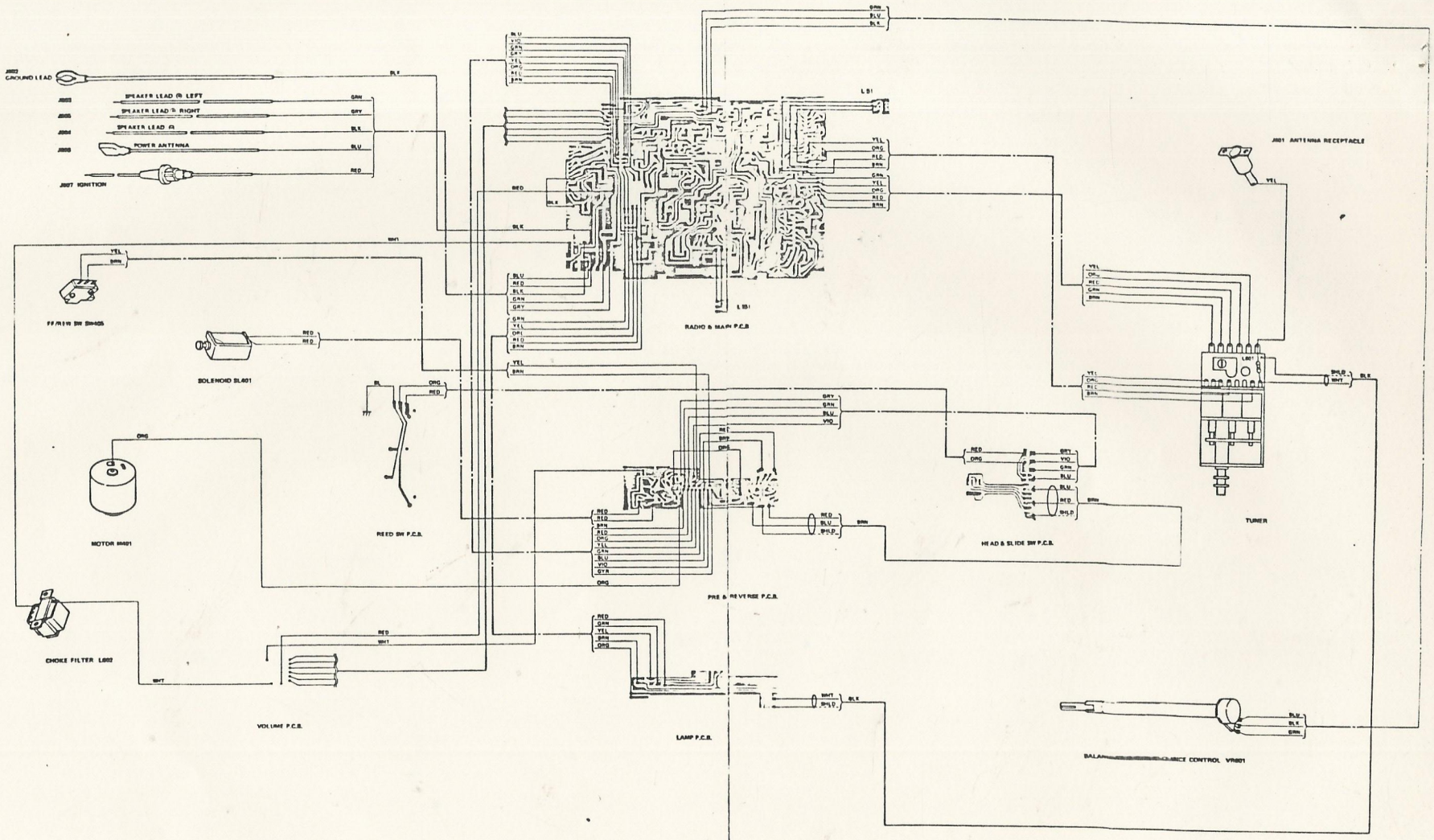
Top View

From Radio & Main P.C.B.

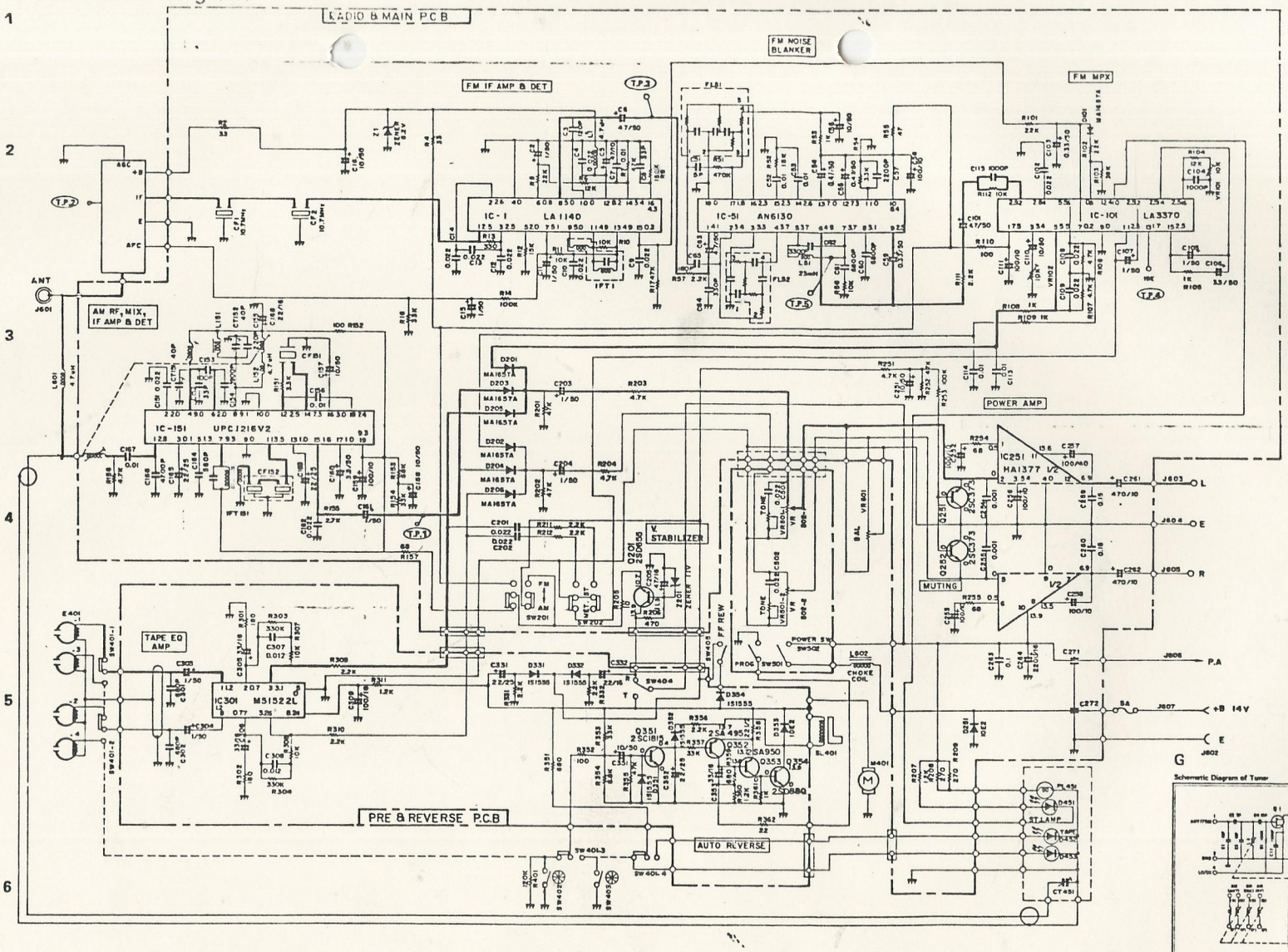


Bottom View

Wiring Diagram



Schematic Diagram



Electrical Parts List

Resistors (All resistors are carbon film, ±5% unless otherwise noted.)
uF = microfarads, pF = picofarads

Symbol No.	Part No.	Description
Radio & Main P. C. Board		
ICs		
IC1	51S47809F01	FM IF LA1140
IC51	51T44283F01	AN6130
IC101	51T42261F01	LA3370
IC151	51T47434F01	µPC1216V2
IC251	51T42459F01	HA1377
Transistors		
Q201	48T41364U01	2SD655-F
Q251	48S40170G01	2SC373 TM-G
Q252	48S40170G01	2SC373 TM-G
Diodes		
D101	48T44813F01	MA165TA
D201	48T44813F01	MA165TA
D202	48T44813F01	MA165TA
D203	48T44813F01	MA165TA
D204	48T44813F01	MA165TA
D205	48T44813F01	MA165TA
D206	48T44813F01	MA165TA
D251	48C40235G02	10E2
or	48T40477U01	IN4003
Z1	48T43190F01	Zener 8.2V
Z201	48T43190F02	Zener 11V
Filters		
CF1	91T40309T07	Ceramic 10.7 MHz
CF2	91T40309T07	Ceramic 10.7 MHz
CF151	91T47435F01	Ceramic 455 A
CF152	91T50647F01	Ceramic 455 K
FL51	91T44879F03	High Pass
FL52	91T44879F01	Low Pass
Coils		
IFT1	24T50529F01	FM IFT (BLK)
IFT151	24T47530F01	AM IFT (YEL)
L1	24T41686U17	Inductor 4.7 µH
L51	24T42241U01	Dolby 23 mH
L151	24T47529F01	AM (RED)
L152	24T41686U17	Inductor 4.7 µH

Symbol No.	Part No.	Description
Switches		
SW201	40T47865F01	Sw., Push (FM/AM)
SW202	40T47865F01	Sw., Push (ST/Metal)
Capacitors		
CT151	20T47503F03	Cap., Trimmer 40pF
CT152	20T47503F03	Cap., Trimmer 40pF
C2	23S41198U03	Electrolytic 1uF 50V
C3	8S44505P38	Ceramic 120pF
C4	8S44505P63	Ceramic 0.022uF
C5	23S41198U26	Electrolytic 47uF 10V
C6	23S41198U09	Electrolytic 4.7uF 50V
C7	8S44505P61	Ceramic 0.01uF
C8	8S44505P25	Ceramic 33pF
C9	21C45322G32	Ceramic 0.022uF 50V
C10	21C45322G32	Ceramic 0.022uF 50V
C11	23S41198U03	Electrolytic 1uF 50V
C12	21C45322G32	Ceramic 0.022uF 50V
C13	21C45322G32	Ceramic 0.022uF 50V
C14	21C45322G32	Ceramic 0.022uF 50V
C15	23S41198U03	Electrolytic 1uF 50V
C16	23S41198U12	Electrolytic 10uF 50V
C51	21C45322G05	Ceramic 5pF 50V
C52	8S44505P61	Ceramic 0.01uF
C53	8S44505P61	Ceramic 0.01uF
C54	23S41198U01	Electrolytic 0.47uF 50V
C55	23S41198U01	Electrolytic 0.47uF 50V
C56	23S41198U12	Electrolytic 10uF 50V
C57	8S44505P53	Ceramic 2200pF
C58	23S41198U33	Electrolytic 100uF 10V
C59	23C42909J04	Electrolytic 0.33uF 50V
C60	8S44505P59	Ceramic 6800pF
C61	8S44505P59	Ceramic 6800pF
C62	8S44505P55	Ceramic 3300pF
C63	23S41198U09	Electrolytic 4.7uF 50V
C64	8S44505P43	Ceramic 330pF
C65	8S44505P40	Ceramic 180pF
C101	23S41198U09	Electrolytic 4.7uF 50V
C102	8S44505P63	Ceramic 0.022uF
C103	23C42909J04	Electrolytic 0.33uF 50V
C104	8T44481F13	Polystyrol 0.001uF
C105	23S41198U03	Electrolytic 1uF 50V

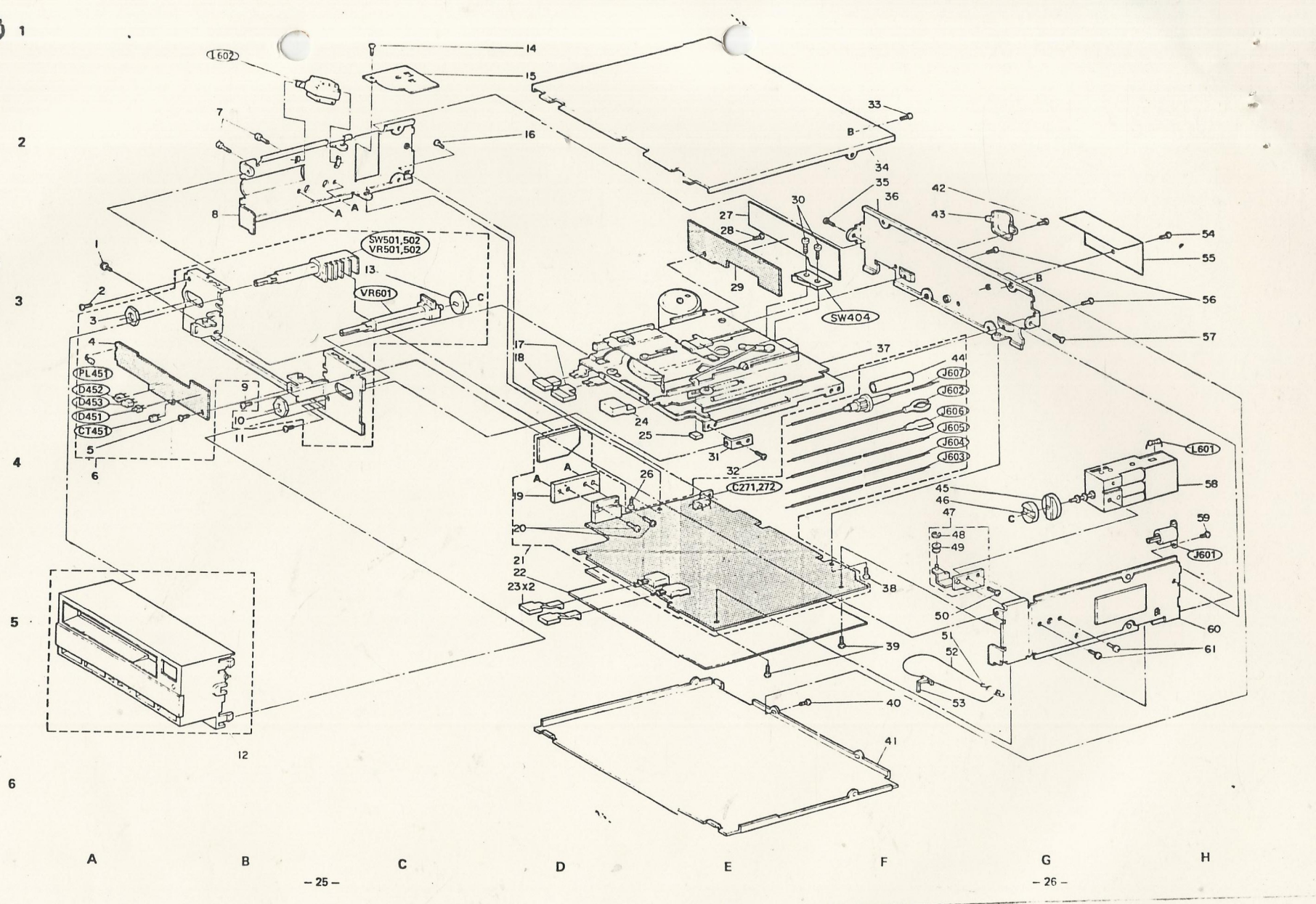
Symbol No.	Part No.	Description
C106	23S41198U07	Electrolytic 3.3uF 50V
C107	23S41198U03	Electrolytic 1uF 50V
C108	8S44505P63	Ceramic 0.022uF
C109	8S44505P63	Ceramic 0.022uF
C110	23S41198U12	Electrolytic 10uF 50V
C111	23S41198U33	Electrolytic 100uF 10V
C113	8S44505P61	Ceramic 0.01uF
C114	8S44505P61	Ceramic 0.01uF
C115	8S44505P49	Ceramic 1000pF
C151	21C45322G32	Ceramic 0.022uF 50V
C152	21C41701J38	Ceramic 33pF
C153	21C41701J62	Ceramic 100pF
C154	8C44833J08	Mylar 0.0039uF
C155	21C41701J51	Ceramic 220pF
C156	21C45322G31	Ceramic 0.01uF 50V
C157	23S41198U12	Electrolytic 10uF 50V
C158	23S41198U12	Electrolytic 10uF 50V
C159	23S41198U33	Electrolytic 100uF 10V
C160	23S41198U07	Electrolytic 3.3uF 50V
C161	23S41198U03	Electrolytic 1uF 50V
C162	8S44505P63	Ceramic 0.022uF
C163	23S41198U15	Electrolytic 22uF 25V
C164	8S44505P46	Ceramic 560pF
C165	23S41198U15	Electrolytic 22uF 25V
C166	8S44505P57	Ceramic 4700pF
C167	8S44505P61	Ceramic 0.01uF
C168	23S41059P32	Tantalum 22uF 16V
C201	8S44505P63	Ceramic 0.022uF
C202	8S44505P63	Ceramic 0.022uF
C203	23S41198U03	Electrolytic 1uF 50V
C204	23S41198U03	Electrolytic 1uF 50V
C205	23S41198U27	Electrolytic 47uF 16V
C251	23S41198U12	Electrolytic 10uF 50V
C252	23S41198U33	Electrolytic 100uF 10V
C253	23S41198U33	Electrolytic 100uF 10V
C254	21C45322G28	Ceramic 1000pF 50V
C255	21C45322G28	Ceramic 1000pF 50V
C256	23S41198U33	Electrolytic 100uF 10V
C257	23B44780P10	Electrolytic 100uF 10V
C258	23S41198U33	Electrolytic 100uF 10V
C259	23T50651F09	Aloxcon 0.15uF
C260	23T50651F09	Aloxcon 0.15uF
C261	23S41198U55	Electrolytic 470uF 10V
C262	23S41198U55	Electrolytic 470uF 10V
C263	8T44979P14	Ceramic 0.1uF
C264	23T51232F01	Electrolytic 2200uF 16V

Symbol No.	Part No.	Description
C501	8S44505P63	Ceramic 0.022uF
C502	8S44505P63	Ceramic 0.022uF
Resistors		
VR101	18C42061J14	Variable 10k
VR102	18C42061J14	Variable 10k
R2	6S44593P29	33 ohm 1/4W
R4	6S44593P29	33 ohm 1/4W
R5	6S44593P97	22k ohm 1/4W
R6	6S44593P91	12k ohm 1/4W
R7	6S44594P06	47k ohm 1/4W
R8	6S44594P18	150k ohm 1/4W
R10	6S44593P89	10k ohm 1/4W
R11	6S44593P89	10k ohm 1/4W
R12	6S44593P93	15k ohm 1/4W
R13	6S44593P53	330 ohm 1/4W
R14	6S44594P14	100k ohm 1/4W
R16	6S41801P50	33k ohm 1/4W
R17	6S44594P06	47k ohm 1/4W
R51	6S44594P30	470k ohm 1/4W
R52	6S44593P93	15k ohm 1/4W
R53	6S44593P65	1k ohm 1/4W
R54	6S44593P77	3.3k ohm 1/4W
R55	6S44593P33	47 ohm 1/4W
R56	6S44593P89	10k ohm 1/4W
R57	6S44593P73	2.2k ohm 1/4W
R101	6S44593P97	22k ohm 1/4W
R102	6S44593P97	22k ohm 1/4W
R103	6S44594P04	39k ohm 1/4W
R104	6S44593P91	12k ohm 1/4W
R105	6S44593P65	1k ohm 1/4W
R106	6S44593P81	4.7k ohm 1/4W
R107	6S44593P81	4.7k ohm 1/4W
R108	6S44593P65	1k ohm 1/4W
R109	6S44593P65	1k ohm 1/4W
R110	6S44593P41	100 ohm 1/4W
R111	6S44593P73	2.2k ohm 1/4W
R112	6S44593P89	10k ohm 1/4W
R151	6S41801P38	3.3k ohm 1/4W
R152	6S44593P41	100 ohm 1/4W
R153	6S44594P10	68k ohm 1/4W
R154	6S44594P02	33k ohm 1/4W
R155	6S44593P75	2.7k ohm 1/4W

Symbol No.	Part No.	Description
R156	6S44593P81	4.7k ohm 1/4W
R157	6S44593P37	68 ohm 1/4W
R201	6S44594P06	47k ohm 1/4W
R202	6S44594P06	47k ohm 1/4W
R203	6S44593P81	4.7k ohm 1/4W
R204	6S44593P81	4.7k ohm 1/4W
R205	6S44593P17	10 ohm 1/4W
R206	6S44593P57	470 ohm 1/4W
R207	6S44593P67	1.2k ohm 1/4W
R208	6S44593P51	270 ohm 1/4W
R209	6S44593P51	270 ohm 1/4W
R211	6S44593P73	2.2k ohm 1/4W
R212	6S44593P73	2.2k ohm 1/4W
R251	6S44593P81	4.7k ohm 1/4W
R252	6S44594P06	47k ohm 1/4W
R253	6S44594P14	100k ohm 1/4W
R254	6S41801P18	68 ohm 1/4W
R255	6S41801P18	68 ohm 1/4W
Pre Amp & Reverse P. C. Board		
ICs		
IC301	51T43196F01	M51522L
Transistors		
Q351	48T43525F02	2SC1815-Y
Q352	48S43238G01	2SA495-Y
or	48T51118F01	2SA1015-Y
Q353	48T43526F02	2SA950-Y
Q354	48T42620F02	2SD880-Y
Diodes		
D331	48S134816	1S1555
D332	48S134816	1S1555
D351	48S134816	1S1555
D352	48S134816	1S1555
D353	48C40235G02	10E2
or	48T40477U01	IN4003
D354	48S134816	1S1555
Capacitors		
C301	21C45322G39	Ceramic 680pF
C302	21C45322G39	Ceramic 680pF
C303	23T43247F05	Electrolytic 1uF 50V
C304	23S41198U03	Electrolytic 1uF 50V
C305	23S41198U20	Electrolytic 33uF 16V

Symbol No.	Part No.	Description
C306	23S41198U20	Electrolytic 33uF 16V
C307	8T42629F18	Mylar 0.012uF
C308	8T42629F18	Mylar 0.012uF
C309	23S41198U34	Electrolytic 100uF 16V
C331	23S41198U15	Electrolytic 22uF 25V
C332	23T43247F10	Electrolytic 22uF 16V
C351	23S41198U12	Electrolytic 10uF 50V
C352	23S41198U15	Electrolytic 22uF 25V
C353	23S41198U20	Electrolytic 33uF 16V
Resistors		
R301	6S41801P23	180 ohm 1/4W
R302	6S41801P23	180 ohm 1/4W
R303	6S41801P62	330k ohm 1/4W
R304	6S41801P62	330k ohm 1/4W
R307	6S41801P44	10k ohm 1/4W
R308	6S41801P44	10k ohm 1/4W
R309	6S41801P36	2.2k ohm 1/4W
R310	6S41801P36	2.2k ohm 1/4W
R311	6S40150T67	1.2k ohm 1/4W
R331	6S41801P36	2.2k ohm 1/4W
R332	6S41801P36	2.2k ohm 1/4W
R351	6S41801P30	680 ohm 1/4W
R352	6S41801P20	100 ohm 1/4W
R353	6S41801P50	33k ohm 1/4W
R354	6S41801P42	6.8k ohm 1/4W
R355	6S41801P52	47k ohm 1/4W
R356	6S41801P36	2.2k ohm 1/4W
R357	6S41801P50	33k ohm 1/4W
R358	6D40801G23	22 ohm 1/2W
R359	6S41801P30	680 ohm 1/4W
R360	6S41801P33	1.2k ohm 1/4W
R361	6S41801P32	1k ohm 1/4W
R362	6S41801P12	22 ohm 1/4W

Symbol No.	Part No.	Description
	Miscellaneous Parts	
CT451	20T47503F04	Cap., Trimmer 60pF
C271	8T43450F01	Cap., Through
C272	8T43450F01	Cap., Through
D451	48T40502U01	LED, S4279 (GRN)
D452	48T41907F01	LED, PG5532TX (GRN)
D453	48T41907F01	LED, PG5532TX (GRN)
E401	88T50977F01	Head, Playback
J601	9T40870F02	Receptacle, Antenna
J602	30T40438U01	Ground Lead
J603	30T50966F03	Left Speaker Lead
J604	30T50966F04	Speaker Ground Lead
J605	30T50966F02	Right Speaker Lead
J606	1B42187J17	Power Antenna Control Lead
J607	30T50966F01	Ignition Lead
L601	24T41686U17	Coil, Inductor 4.7 μH
L602	25C40894G05	Choke, Filter
M401	1V41500F34	Assy., Motor
PL451	65B43447J01	Lamp, Pilot 6V-65 mA
R401	6S41043U16	Carbon Film 120k 1/8W
SL401	1T45982F01	Assy., Reverse Solenoid
SW401	40T43066F01	Sw., Slide (Normal, Reverse)
SW402	40T40641U02	Sw., Reed
SW403	40T40641U02	Sw., Reed
SW404	40T45610F01	Sw., Micro (Radio, Tape)
SW405	40T41665F01	Sw., Slide (FF, REW Mute)
SW501	18T50418F01	PROGRAM
SW502		POWER
VR501		Tone, Control
VR502		Volume
VR601	18T50419F01	Balance, Control


1
2
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A
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G
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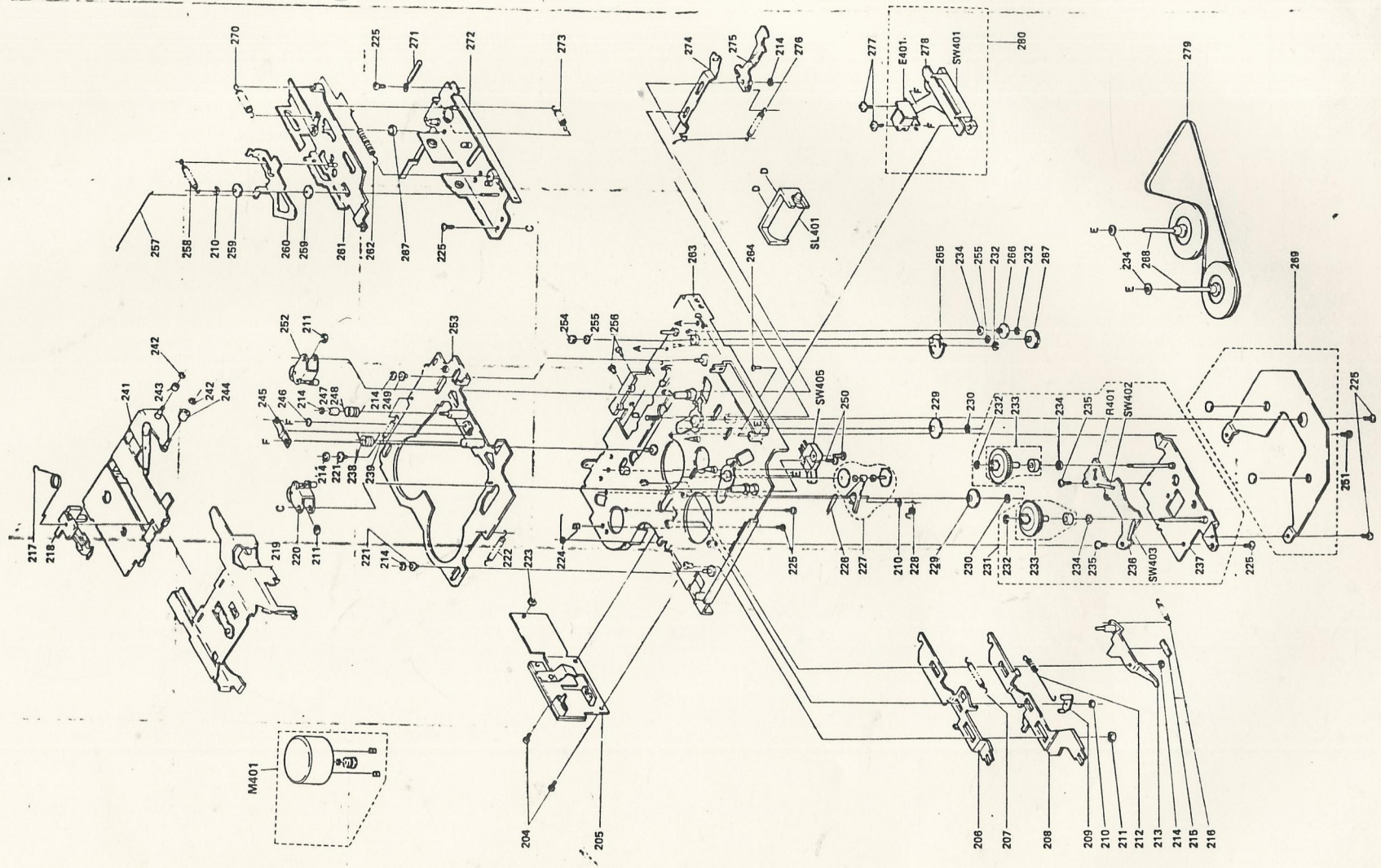
L602
SW501,502
VR501,502
VR601
PL451
D452
D453
D451
CT451
SW404
C271,272
J607
J602
J606
J605
J604
J603
L601
J601

Exploded View (Tape Mechanism)



Mechanical Parts List

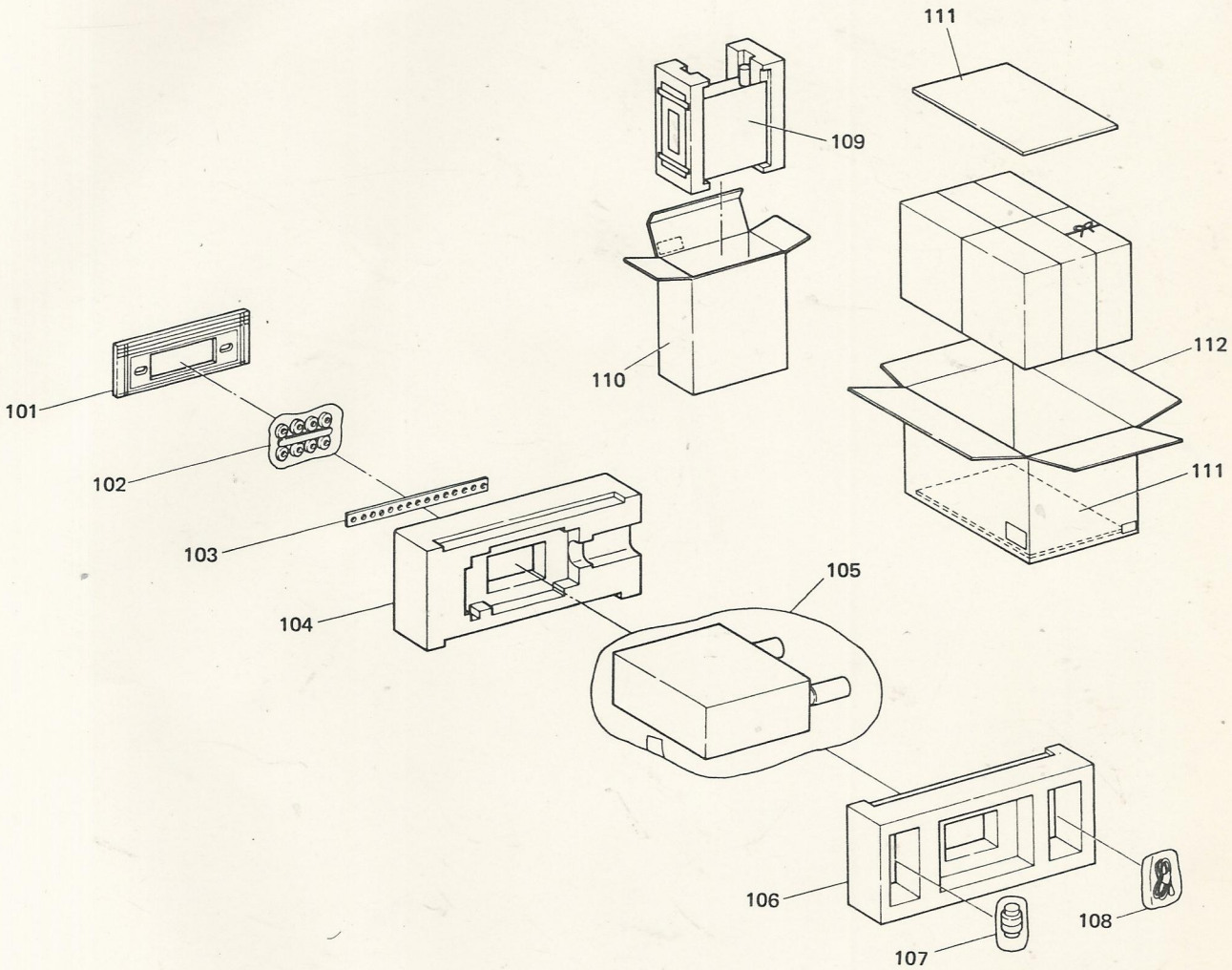
The alpha-numeric codes suffixed to the numeric symbol numbers in the parts list identify the location codes of the respective components in the exploded views.

Symbol No.	Part No.	Description
	General Assembly Parts	
1 3A	3S44205G30	Screw, Tap Tite (M2.6x4)
2 3A	3S44205G01	Screw, Tap Tite (M3x6)
3 3A	2S40000G32	Nut, Hexagon
4 3A	84B50417F01	Panel, Lamp
5 4A	3S44205G30	Screw, Tap Tite (M2.6x4)
6 4A	1V51400F94	Assy., Front Chassis
7 2B	3C40014G09	Screw, Machine (M3x5)
8 2B	27B50401F01	Chassis, Side (L)
9 4B	3S44205G01	Screw, Tap Tite (M3x6)
10 4B	2S40000G32	Nut, Hexagon
11 4B	3S44205G30	Screw, Tap Tite (M2.6x4)
12 6B	13C50410F02	Assy., Nosepiece
13 3C	45A43428F01	Arm, Orudam
14 1D	3S44205G30	Screw, Tap Tite (M2.6x4)
15 2D	26A50371F01	Shield, Panel
16 2D	3S44205G30	Screw, Tap Tite (M2.6x4)
17 3D	36B50465F02	Knob, F/R
18 3D	36B50465F01	Knob, F/R
19 4D	---	Bracket, Heat Sink
20 4D	3C40014G09	Screw, Machine (M3x5)
21 5D	1V51500F74	Assy., Radio & Main Panel
22 5D	14B43436F01	Insulator
23 5D	36A50408F01	Knob, Push (ST/Metal, FM)
24 4D	36A50407F01	Knob, Eject
25 4E	75A40620U10	Pad, Rubber
26 4D	3S44205G30	Screw, Tap Tite (M2.6x4)
27 2E	14A50409F01	Insulator
28 3E	3S44205G42	Screw, Tap Tite (M2.6x4)
29 3E	1V51500F05	Assy., Pre Amp & Reverse Panel
30 2E	3S43997P49	Screw, Machine (M2.3x8)
31 4E	7A43427F01	Bracket, Deck (R)
32 4E	3S44205G30	Screw, Tap Tite (M2.6x4)
33 2F	3S44205G01	Screw, Tap Tite (M3x6)
34 2F	15B50544F01	Cover, Top
35 2F	3S44205G01	Screw, Tap Tite (M3x6)
36 2F	---	Chassis, Rear
37 3F	81D50978F01	GX75B36C, Cassette Deck
38 5F	3S44205G30	Screw, Tap Tite (M2.6x4)
39 5F	3S44205G30	Screw, Tap Tite (M2.6x4)
40 5F	3S44205G01	Screw, Tap Tite (M3x6)
41 6F	---	Cover, Bottom
42 2F	3S44205G30	Screw, Tap Tite (M2.6x4)
43 2F	42B45733F01	Clamp, Cord
44 3F	37S44468G22	UL CSA Tube Vinyl 50
45 4F	45A41743U01	Arm, Orudam (B)
46 4F	45A41744U01	Arm, Orudam (B)
47 4F	1V51400F99	Assy., Bracket, Tuner
48 4F	4C42091G06	Washer "C"
49 4F	49A43494J02	Pulley
50 5F	3S40011G83	Screw, Machine (M3x3)
51 5F	41A42649F02	Spring, Tuner
52 5F	30S43803G04	Dial, Cord
53 5F	52A50406F01	Pointer
54 3H	3S40036U02	Screw, Tap Tite (M3x8)
55 3H	54B41322U01	Label, Caution
56 3H	3S44205G30	Screw, Tap Tite (M2.6x4)
57 3H	3S44205G01	Screw, Tap Tite (M3x6)
58 4H	77T47825F01	Tuner, Manual
59 4H	3S44205G01	Screw, Tap Tite (M3x6)
60 5H	---	Chassis, Side (R)
61 5H	3C40014G09	Screw, Machine (M3x5)

Note: Parts listed without part number are not supplied.

Symbol No.	Part No.	Description
Tape Mechanism Assembly Parts		
201	Not used	---
202	Not used	---
203	Not used	---
204 4A	3S44205G30	Screw, Tap Tite (M2.6x4)
205 4A	1A41659F01	Assy., Riv. Guide Bracket
206 6A	45C41236F01	Lever Rew
207 6A	41B41559F10	Spring
208 6A	45C41235F01	Lever FF
209 7A	45A45326F01	Link R/F
210	4C42091G05	Washer "C"
211	4C42091G04	Washer "C"
212 2A,7A	41B41559F09	Spring
213 7A	1A45979F01	Assy., Riv. Lock Lever
214	4C42091G06	Washer "C"
215 7A	75B44632G12	Pad, Cushion
216 7A	41B41559F08	Spring
217 1B	41A41590F01	Spring, Turn
218 1B	45B45858F01	Guide, Cassette
219 2B	1A41658F01	Assy., Cassette Holder
220 2B	1T42577F01	Assy., Pinch Roller
221 3B,2C	49A41005F01	Roller, Head Base
222 3B	41B41559F05	Spring
223 3B	4S40075G12	Washer (3.1x5.4)
224 4B	41A43244F01	Spring, B. T.
225	3C40014G12	Screw, Machine (M2.6x4)
226 5B	41A41393F01	Spring, R/F Idler Arm
227 5B	1C41353F01	Gear, R/F Idler
228 6B	41A42613F01	Spring, R/F Idler
229 6B,6C	44A45853F01	Gear, Take Up
230 6B,6C	4A41345P01	Washer, Lock
231 6B,6C	1V41500F37	Assy., Reel Bracket
232 6B,6C 6D	4A41345P02	Washer, Lock (1.7x0.25)
233 6B,6C	1V41500F38	Assy., Reel Magnet
234	4S40075G06	Washer, S. T. W.
235 7B,7C	3S40019G71	Screw, F-Lock (M2.6x3)
236 7B	84A41741F01	Panel, Reed Switch
237 7B	1A41656F01	Assy., Reel Shaft Bracket
238 2C	41A41453F02	Spring, Pinch Roller
239 3C	41B41559F04	Spring
240	Not used	---
241 1C	1A45981F01	Assy., Riv Plate Idler
242 1D,2C	4C42091G12	Washer "C"
243 1C	43A41072F02	Spacer
244 2C	43A41072F03	Spacer
245 2C	41A45638F01	Spring, Head Adjust
246 2C	4S40075G07	Washer, S.T.W.
247 2C	43A41079F01	Spacer
248 2C	41A41453F01	Spring, Pinch Roller
249 3C	49A43395F01	Roller, Head Base
250 5C	3S40011G47	Screw, Machine (M2x7)
251 8C	3C40014G06	Screw, Machine (M2.6x5)
252 2D	1T42578F01	Assy., Pinch Roller
253 3D	1C45990F01	Assy., Riv. Head Base
254 4D	44A41349F01	Gear, Pulley
255 4D,6D	4S40075G09	Washer S. T. W.
256 4D	3S40011G81	Screw, Machine (M2x4)
257 1D	45A41392F01	Link, Connection
258 2D	41B41559F12	Spring
259 2D	43A42872F01	Spacer
260 2D	45B41068F01	Lever, Sub
261 2D	1B42604F01	Assy., Eject Lever
262 3D	41C45984F03	Spring
263 4D	1D47179F01	Assy., Riv. Chassis
264 5D	3S43997P62	Screw, Machine (M2.6x3)
265 6D	44A41352F01	Gear, Change
266 6D	44A41350F01	Gear, Reverse Idler
267 3D,6D	44A41351F01	Gear, Pulley Wheel
268 7D	1T42014F01	Assy., Flywheel
269 8D	1V41500F39	Assy., Flywheel
270 2E	41B41559F06	Spring
271 3E	29A737272	Lug, Wrap Around
272 3E	1B45991F01	Assy., Riv. Frame Lever
273 4E	41C45984F02	Spring
274 4E	1A41661F01	Assy., Release Lever
275 5E	45C45545F01	Lever, Reverse
276 5E	41C45984F01	Spring
277 5E	3S40019G03	Screw, F-Lock (M2x4)
278 6E	84T44881F01	Panel, Switch
279 7E	42A40969F01	Belt
280 6E	1V53500F25	Assy., Head & Slide Switch

Packing Method View

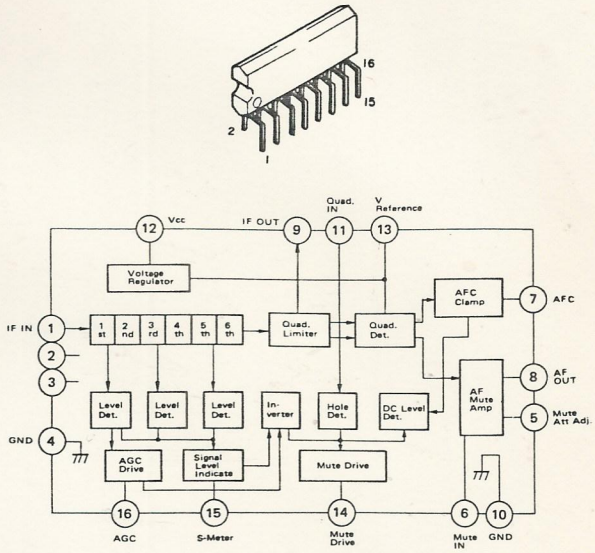


Packing Parts List

Symbol No.	Part No.	Description
		Assembly Packing Parts
101	33C50635F01	Face Plate
102	4C42206U01	Washer, Volume
103	7B44934F01	Bracket, Strap Receiver
104	56D43438F02	Tray, Packing (R)
105	56B40230G22	Sack, Polyethylene
106	56D43438F01	Tray, Packing (L)
107	1V51200F18	Assy., Knob Control
107-1	36B50056F01	Knob, Control (F)
107-2	36B50057F01	Knob, Control (B)
107-3	56B40230G27	Sack, Polyethylene
108	1V51500F09	Assy., Kit Installation
108-1	2S40000G32	Nut, Hexagon
108-2	4A43020G11	Washer
108-3	3B44963F03	Screw, Machine (M5x10)
108-4	2B47353F01	Nut
108-5	3S40012G66	Screw, Tapping (M5x20)
108-6	56B40230G27	Sack, Polyethylene
108-7	46A42363F01	Stud, Bolt
109	68P50150F20	Owners Manual
110	56B50415F02	Carton, Packing (Individual)
111	56D41118J14	Pad, Packing
112	56C47230F12	Carton, Packing (Master)
Labels		
	54A43690F15	Label, Composite (Chassis Side R)
	54B41322U01	Label, Caution
	54B42124G01	Label (Carton, Ind.)
	54B42124G02	Label (Carton, Master)
	54A43949F01	Label, Serial No. (Carton, Master)
	54B50976F01	Label, Serial No. (Carton, Master)

Semiconductors Lead Identifications

(LA1140) IC1



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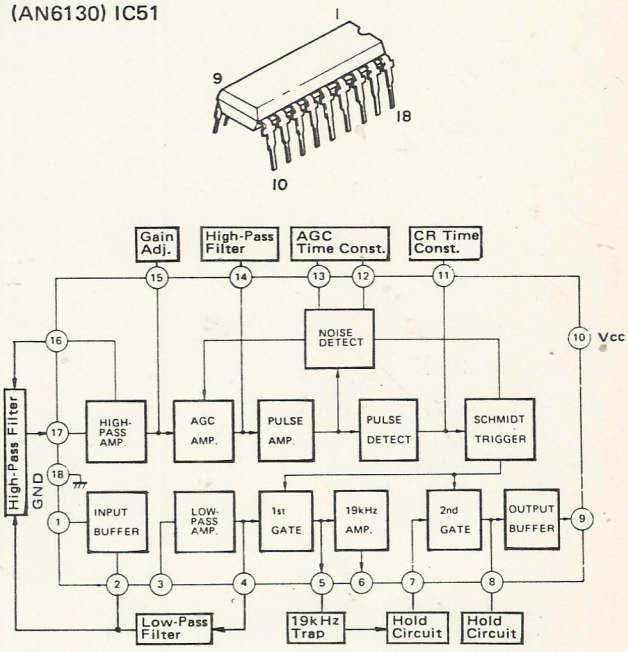

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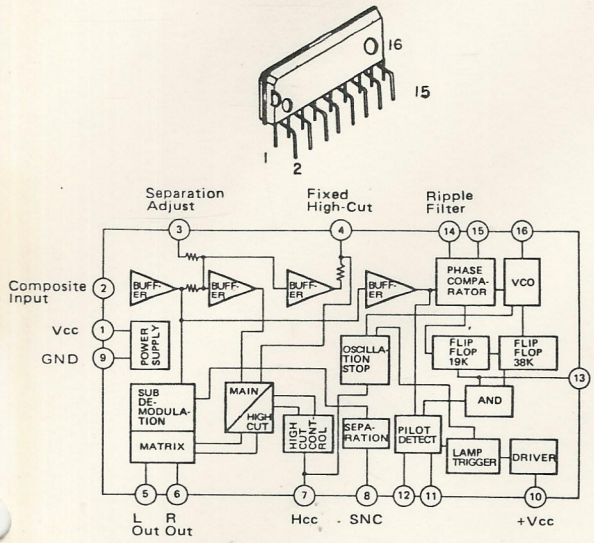
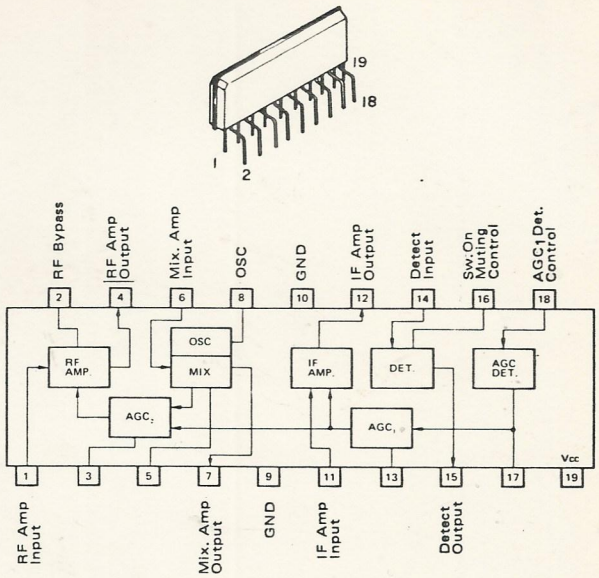
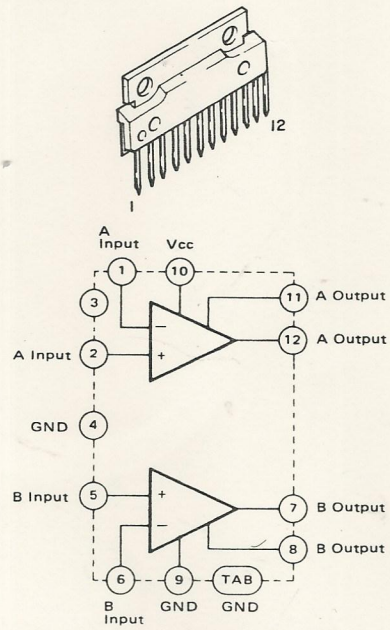


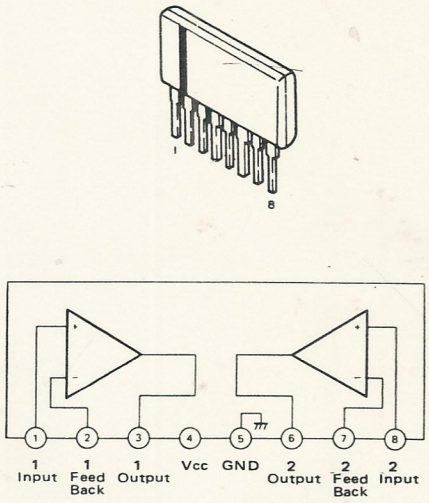
(μPC1216V2) IC151



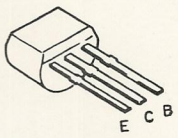
(HA1377) IC251



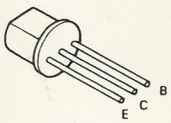
(M51522L) IC301



(2SD655) Q201



(2SC373) Q251, 252
(2SA495) Q352



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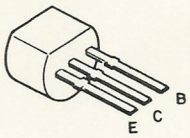
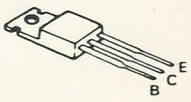
(2SA950) Q353



(2SD880) Q354