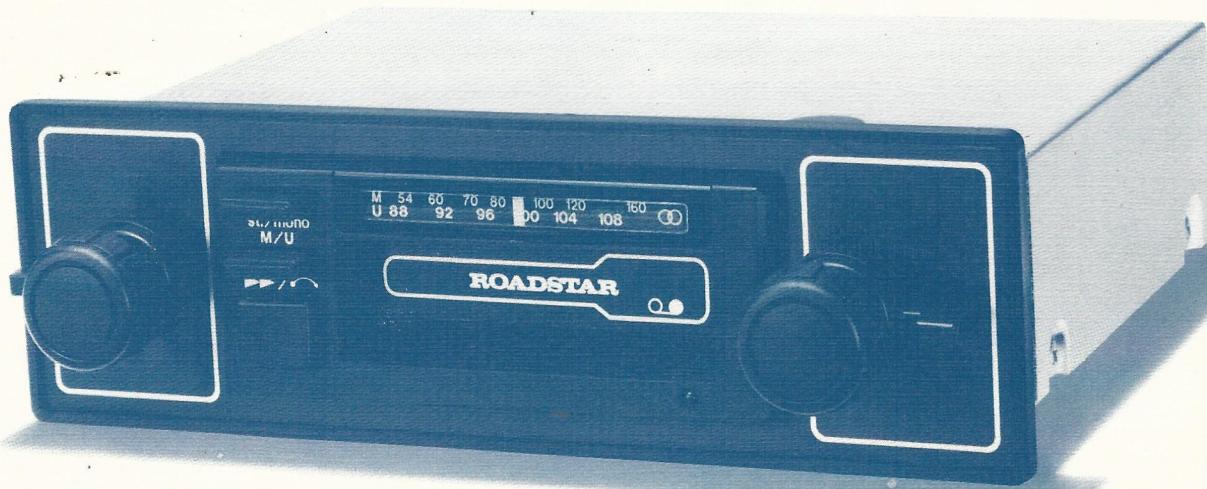


# SERVICE MANUAL

Mini In-Dash Car Stereo  
Cassette Tape Player  
with AM/FM Stereo Radio  
**RS-2010**



 **ROADSTAR®**

# Specifications

## AM Receiver Section

Item	Condition	Unit	Limit	Nominal	Item	Condition	Unit	Limit	Nominal
Frequency range . . . . .	MIN.	kHz	520	510	AM suppression . . . . .	98MHz	dB	40	45
	MAX.	kHz	1,605	1,650	Output power				
Intermediate frequency . . . . .		kHz	455±5	455	(at 1 mV input) . . . . .	MAX.	W	5.0	6.0
Maximum sensitivity . . . . .	600kHz	μV	16	10		10% THD	W	4.0	5.0
	1000kHz	μV	16	10	Distortion (at ref. output) . . . . .	98MHz	%	3	2
	1400kHz	μV	16	10	Over load signal for 10% dist. . . . .	98MHz	dB	106	126
Sensitivity for S/N 20 dB . . . . .	600kHz	μV	40	23	Stereo separation 1kHz . . . . .	98MHz	dB	25	
	1000kHz	μV	40	23	Stereo lamp sensitivity (on) . . . . .	98MHz	μV	5	6.2
	1400kHz	μV	40	23					
Dial calibration . . . . .	600kHz	kHz	±30	±20					
	1000kHz	kHz	±30	±20					
	1400kHz	kHz	±50	±30					
S/N ratio (at 5 mV input) . . . . .	1000kHz	dB	40	50					
I.F. rejection . . . . .	600kHz	dB	35	40					
Image rejection . . . . .	1400kHz	dB	50	55					
A.G.C. figure of merit									
(at 5 mV input) . . . . .	1000kHz	dB	60	65					
Selectivity									
(off tuning ±10kHz) . . . . .	1000kHz	dB	25	30					
Band width . . . . .	-6dB	kHz	4	6					
Audio fidelity (1000Hz = 0dB)									
-6dB down									
(at 5 mV input) . . . . .	LOW	Hz	100	70					
	HIGH	Hz	2,000	2,200					
Output power									
(at 5 mV input) . . . . .	MAX.	W	5.0	6.0					
	10% THD	W	4.0	5.0					
Whistle modulation of I.F.									
2nd. & 3rd. harmonic . . . . .	5mV INPUT	%	6	4					
Distortion									
(at 500mW output) . . . . .	1000kHz	%	3	2					

## FM/MPX Receiver Section

Item	Condition	Unit	Limit	Nominal
Frequency range . . . . .	MIN.	MHz	87.5	87.2
	MAX.	MHz	108	109
Intermediate frequency . . . . .		MHz	10.7±0.5	10.7
Sensitivity for S/N 30dB . . . . .	90MHz	μV	5.62	3
	98MHz	μV	5.62	3
	104MHz	μV	5.62	3
Dial calibration . . . . .	90MHz	MHz	±0.8	±0.5
	98MHz	MHz	±0.8	±0.5
	104MHz	MHz	±1	±0.5
S/N ratio (at 1 mV input) . . . . .	98MHz	dB	45	50
I.F. rejection . . . . .	90MHz	dB	60	70
Image rejection . . . . .	104MHz	dB	40	45
3dB limiting sensitivity				
(at 1 mV input) . . . . .	98MHz	μV	6	4
A.F.C. holding range . . . . .	98MHz	kHz	400-700	—
Audio fidelity (1000Hz = 0dB)				
-6dB down				
(at 1 mV input) . . . . .	LOW	Hz	100	70
	HIGH	Hz	2,200	2,200

## Cassette Tape Section

Item	Condition	Unit	Limit	Nominal
Tape speed . . . . .		3kHz	%	-1+4 +2
Wow/flutter (W. RMS) . . . . .		3kHz	%	0.3 0.15
Output power (at 1kHz) . . . . .	MAX.	W	5	6
	10% THD	W	4	5
Distortion (at ref. output) . . . . .	1kHz	%	3.0	1.5
S/N ratio (at ref. output) . . . . .	1kHz	dB	40	45
Separation (at ref. output) . . . . .	1kHz	dB	30	37
Track crosstalk				
(at ref. output) . . . . .	1kHz	dB	40	48
Tone effect (at ref. output) . . . . .	6.3kHz	dB	13	16
Channel balance (L & R)				
(at ref. output) . . . . .	1kHz	dB	4	1.2
Noise level (empty tape) . . . . .	R.O.	mV	30	20
	MAX.	mV	40	30
Frequency response				
(1kHz 0.775V = 0dB) . . . . .	125Hz	dB	±6	+1.5
	6.3kHz	dB	+8-10	-3
Current drain (at 1kHz) . . . . .	R.O.	mA	460	360
	MAX.	mA	1,200	1,000
F.F. time . . . . .	C-60	SEC.	180	150
Take up torque . . . . .		GCM	45-75	55

# General Instructions

## Prior to servicing, check the following:

- Check that the head is not dirty. If it is dirty, either the level of the sound will drop or the high frequencies will deteriorate.  
Clean the head with a cleaner pen or a Q-tip dipped in alcohol.
- Check that the speakers are connected correctly.  
(Refer to the speaker connection diagram in the Owner's Manual.)
- Check that the grounding is completely satisfactory. If not grounded properly, the required power will not be supplied.

- Check that the fuse is not blown.  
Never use a fuse with a larger rating than specified. Do not by-pass the fuse.
- Check if the pinch roller or capstan is contaminated with oil, dust or any other substance.  
Clean them with a Q-tip dipped in alcohol to reduce wow-flutter and to maintain the correct tape speed.

# Parts & Controls

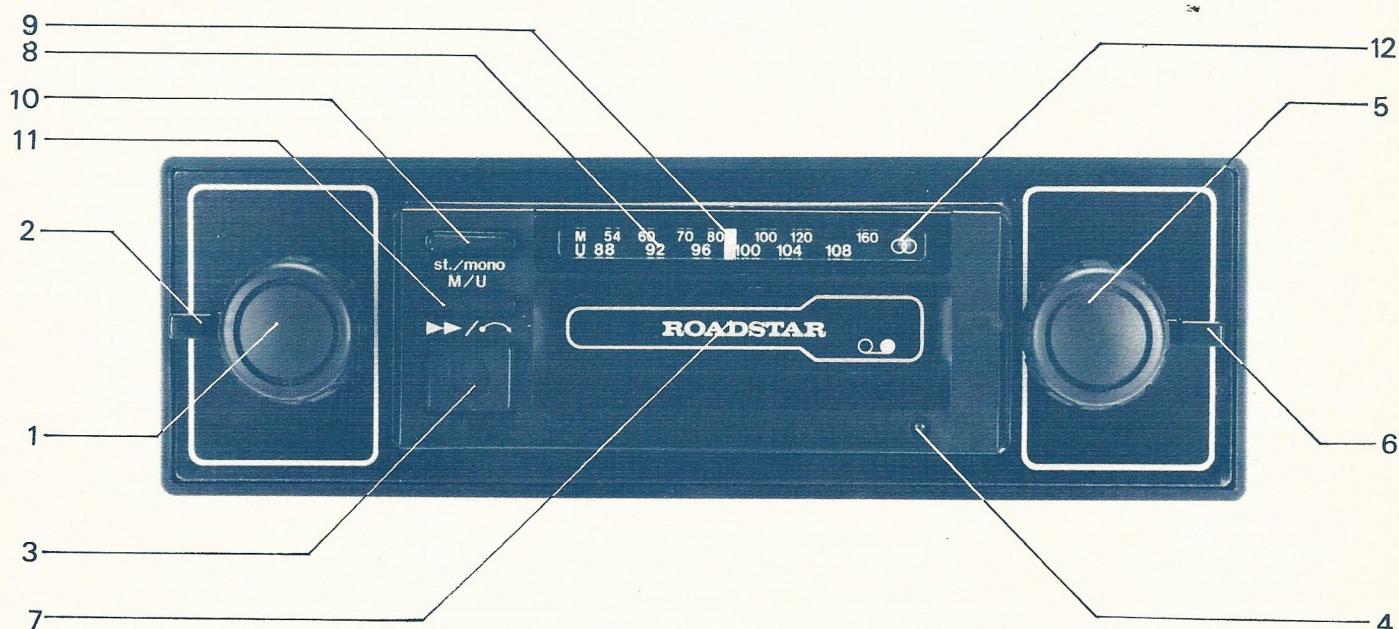


Fig. 1

1. Power Switch & Volume Control
2. Tone Control
3. Fast Forward & Eject Button
4. Tape Indicator Lamp

5. Tuning Control
6. Balance Control
7. Tape Slot
8. Tuning Dial

9. Dial Pointer
10. Stereo/mono Selector (push in for mono)
11. AM/FM Switch (M/U) (push in for FM)
12. Stereo Indicator Lamp

## To Remove Metal Case

To take off the top cover remove screws numbered 1–7 as shown in Fig. 2

The nose piece is removed by undoing screws 8 and 9 and pulling it forward.

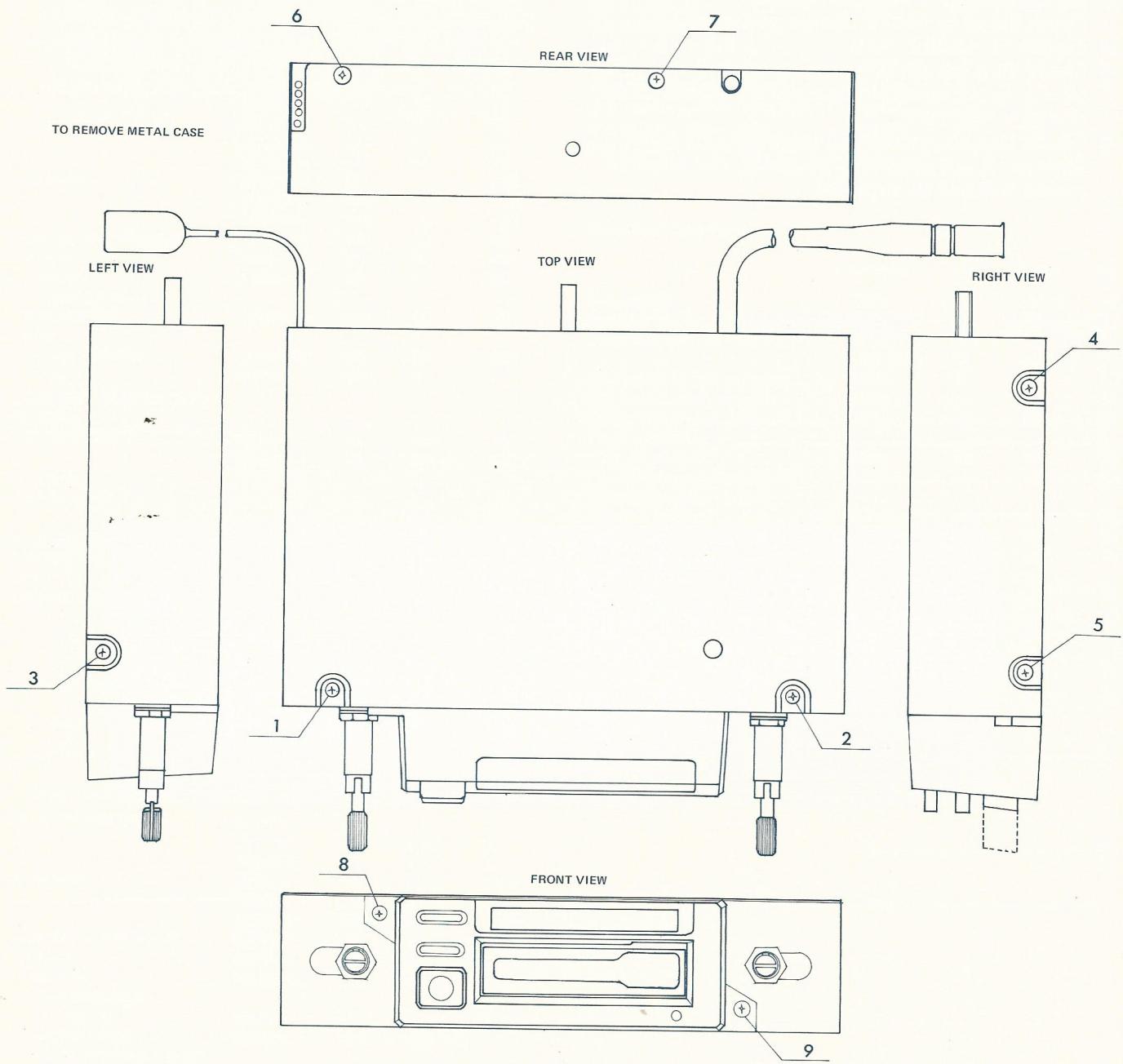


Fig 2

# AM and FM-MPX Alignment Procedure

## NOTES:

1. Check for specified source voltage—DC 14V.
2. Connect an AC voltmeter (VTVM) across speaker or dummy load (4 ohms, 10W, wire-wound resistor). See Fig. 3.
3. Signal input must be kept as low as possible to avoid overload and clipping (use highest possible sensitivity of output indicator).
4. Repeat adjustment to insure good results.
5. Non-metallic alignment tools must be used (especially for FM alignment).
6. Alignment location details: See Fig. 5 . 9. 10.

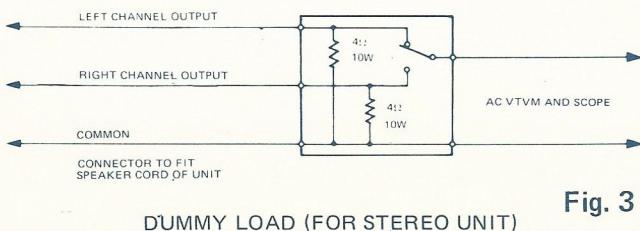


Fig. 3

## AM IF & RF alignment using AM signal generator

- (1) Press the AM/FM button to set the radio for AM reception.
- (2) AM signal generator should be coupled with antenna receptacle through dummy antenna (See Fig. 4).
- (3) Set volume control to maximum.
- (4) Modulation 400 Hz 30%.

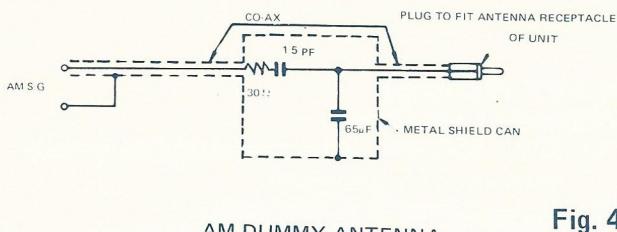


Fig. 4

## 1. IF alignment

The IF amplifier circuit in this unit uses a ceramic filter. Adjust L403 for maximum response. (at 455 kHz or 470 kHz)

## 2. Alignment of receiving frequency range

- 1) Adjust CV 402 for maximum response of a 1,650 kHz signal with radio dial indicator set to the high frequency end stop point.
- 2) Adjust L 401 for maximum response of a 520 kHz signal with the radio dial indicator set to the low frequency end stop point.

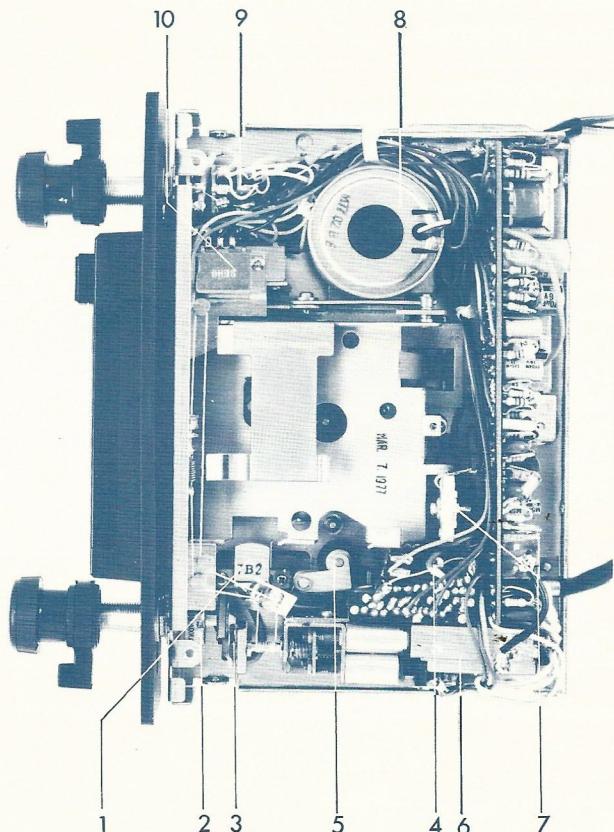


Fig. 5

1	Cassette tape head	14	L 401 (AM OSC trimmer)
2	Balance volume	15	FM/AM/AUDIO Board
3	Plastic coupling joint	16	AM IFT L 403
4	Pre-amp board	17	AM IFT L 404
5	Pinch roller	18	AM IFT L 405
6	FM front end	19	Choke transformer
7	Antenna trimmer	20	UR 301 (19kHz adjust semi fixed resistor)
8	Motor	21	UR 302 (Separation adjust semi fixed resistor)
9	Tone/volume control	22	19kHz test point
10	Stereo/mono sw		
11	L 301/(FM IFT)		
12	CV 402 (AM OSC trimmer)		
13	CV 401 (AM RF trimmer)		

### 3. Sensitivity alignment

Tune in a 1,400 kHz signal at the corresponding dial point. Adjust CU 901 and CU 401 for maximum response.

### 4. Tracking check

Tune in respective signals at 1,400 kHz, 1,000 kHz and 600 kHz to check tracking standard correctness.

### FM, IF alignment using 10.7 MHz FM sweep generator

- (1) Press the AM/FM button to set the radio for FM reception.
- (2) Inject test signal to TP terminal of Front-End Pack. (Fig. 7)
- (3) Connect high side of sweep generator through 0.01 mfd capacitor to the No. 1 terminal of IC-2. Low side to ground.

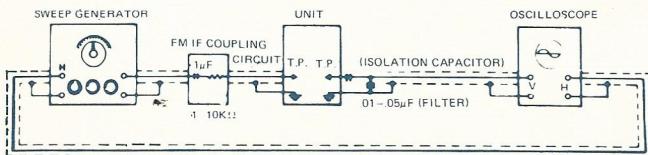


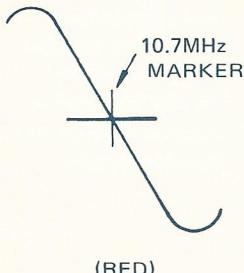
Fig. 6

- (4) Adjust L 301 (blue) so that the 10.7 MHz marker coincides with the mid-point of the ("S" curve) pattern.
- (5) Adjust T1 to obtain maximum wave amplitude.

#### NOTE:

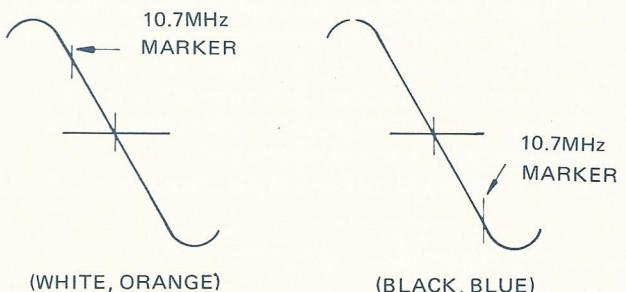
1. FM Sweep Generator is convenient for FM/IF alignment, because Ceramic Filters are used in the IF circuit. Five kinds of Ceramic Filters are used and they are different in their center frequencies as shown below.  
RED: 10.7 MHz, BLUE: 10.67 MHz, ORANGE: 10.73 MHz, BLACK: 10.64 MHz, WHITE: 10.76 MHz.

2. If the Ceramic Filters EXCEPT RED are used, 10.7 MHz market will not appear at the center of "S" curve.



3. The color of Ceramic Filters used in this radio is different according to the production lots, but the same color-dotted. Filters should be replaced on the individual unit.

4. Be careful of static coupling between output lead of sweep generator and input lead of scope. The leads must be as short as possible and carefully shielded.



### FM RF alignment using FM signal generator

1. Set the radio for FM reception. (See Fig. 7)
2. 400 Hz 22.5 kHz deviation.
3. Adjust TC4 for maximum response of an 87.5 MHz signal with Radio Dial Indicator set at the low frequency end stop point.
4. Tune in a 106 MHz signal at the corresponding dial point. Adjust TC5 and TC6 for maximum response.

### FM, MPX alignment

#### 1. Alignment conditions

- 1) Use a SSG test signal modulated externally with an MPX generator.
- 2) Use compatible MPX signal.
- 3) Modulation frequency at 1,000 Hz.
- 4) Feed test signal to Antenna Jack.

#### 2. Alignment procedure

- 1) By adjusting  $20K\Omega$  VR1 make MPX lamp go on. (Fig. 8)
- 2) By adjusting  $5K\Omega$  VR2 obtain maximum separation between R and L channels.
- 3) The resulting difference in output levels should be more than 25 dB.
- 4) Check to see that an input signal of less than -25 dB illuminates the MPX indicator lamp.

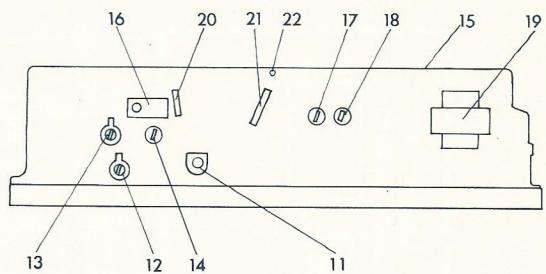


Fig. 8

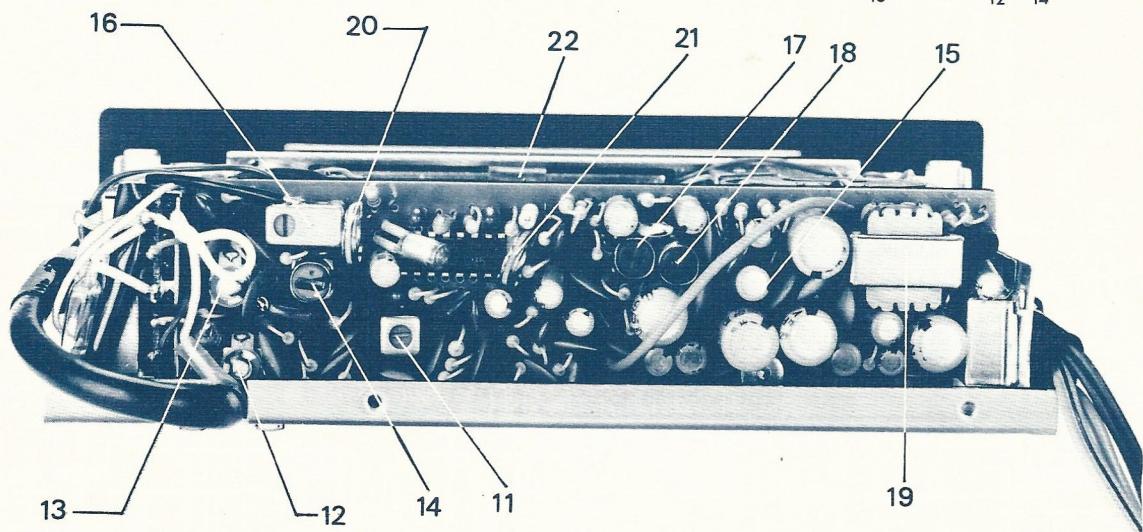


Fig. 9

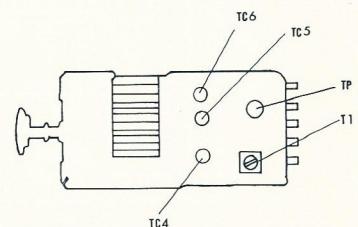


Fig. 7

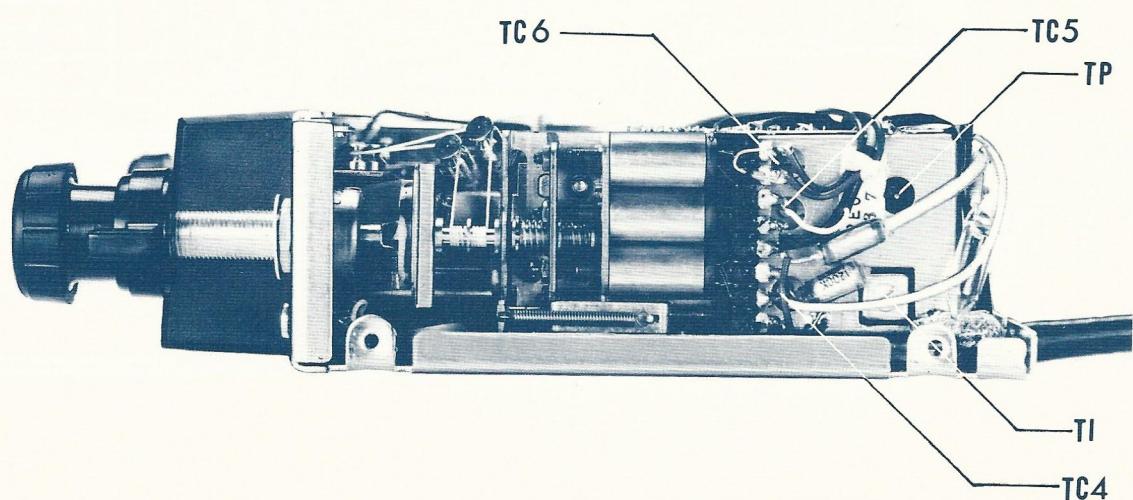
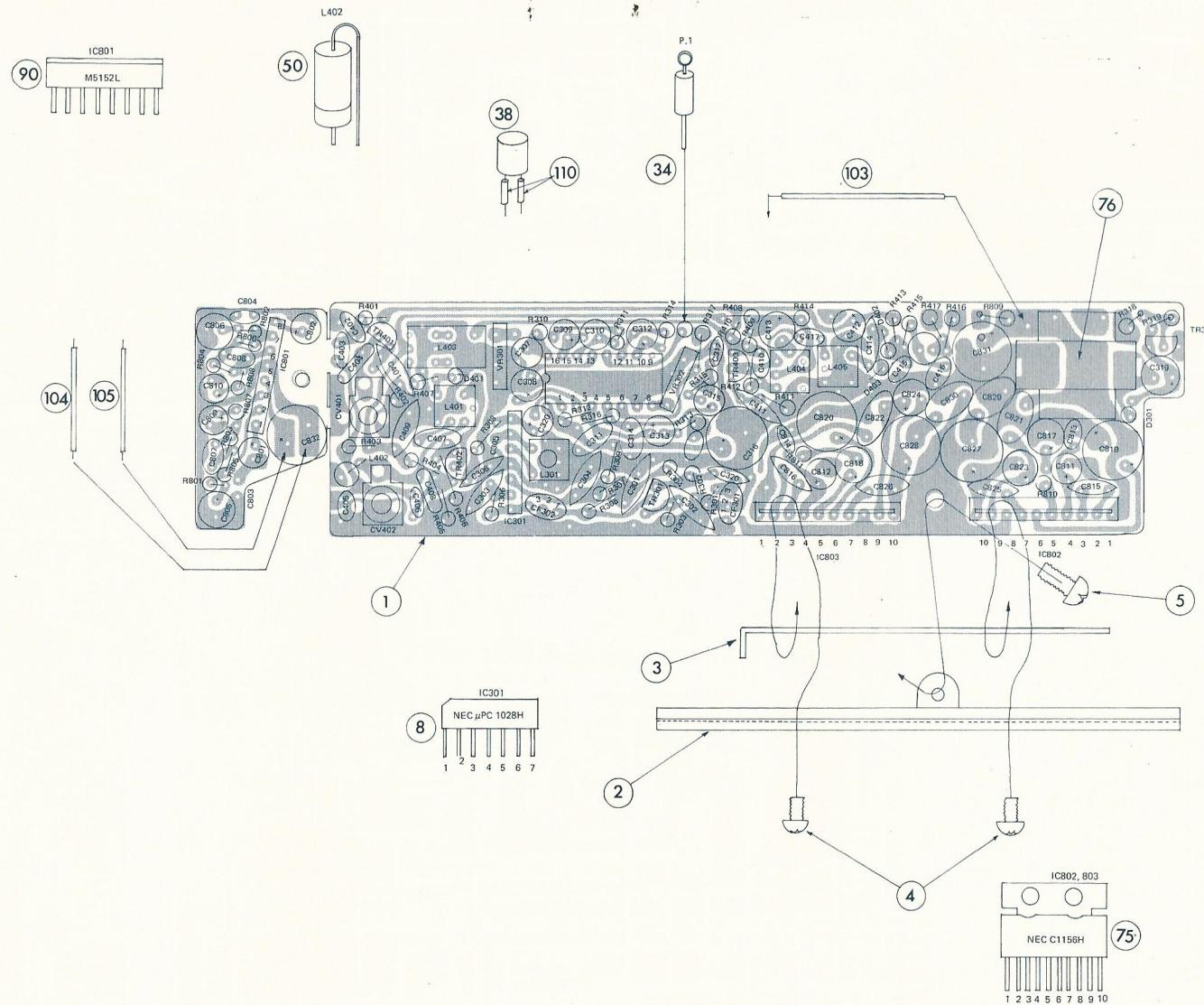
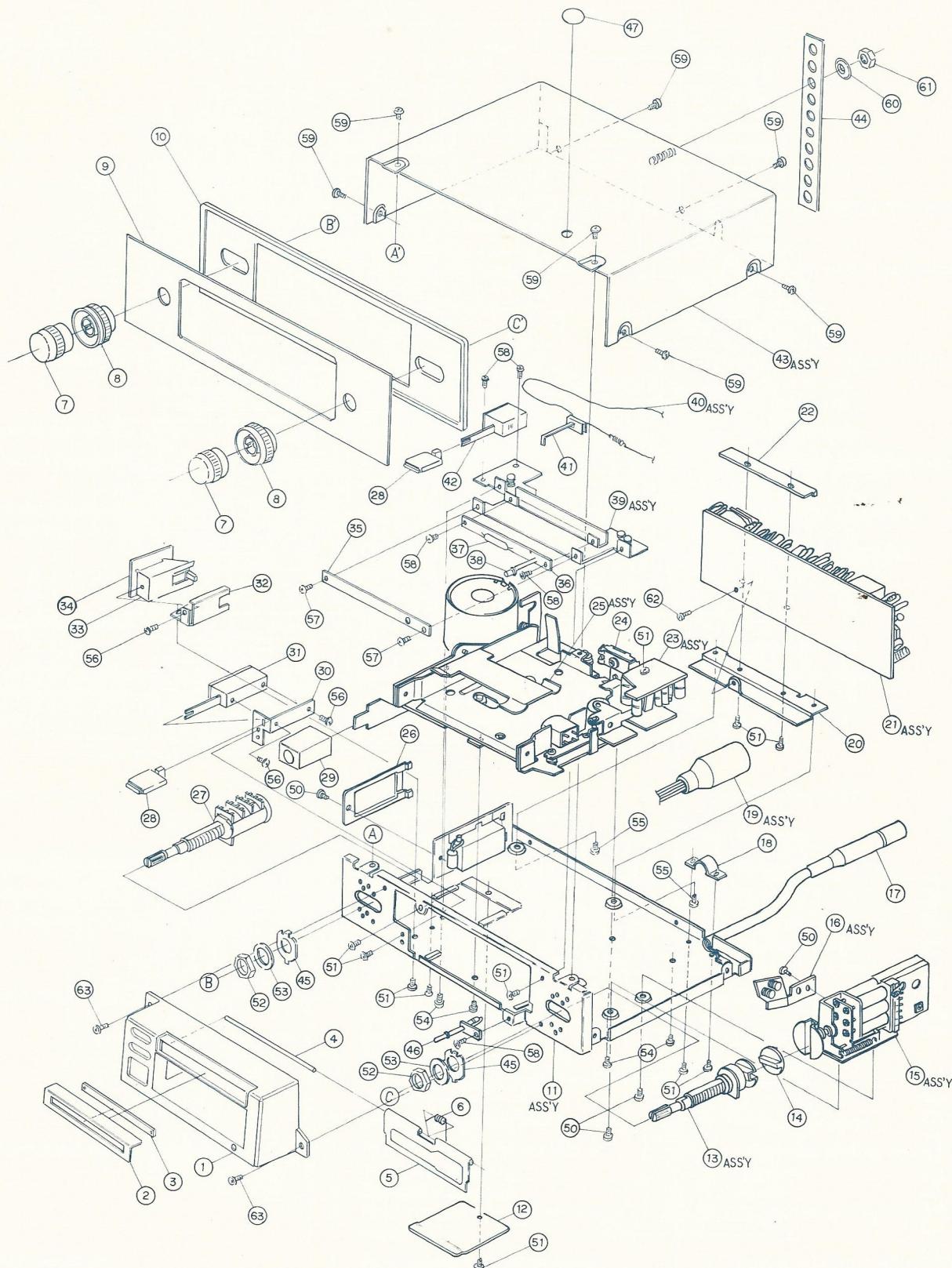


Fig. 10

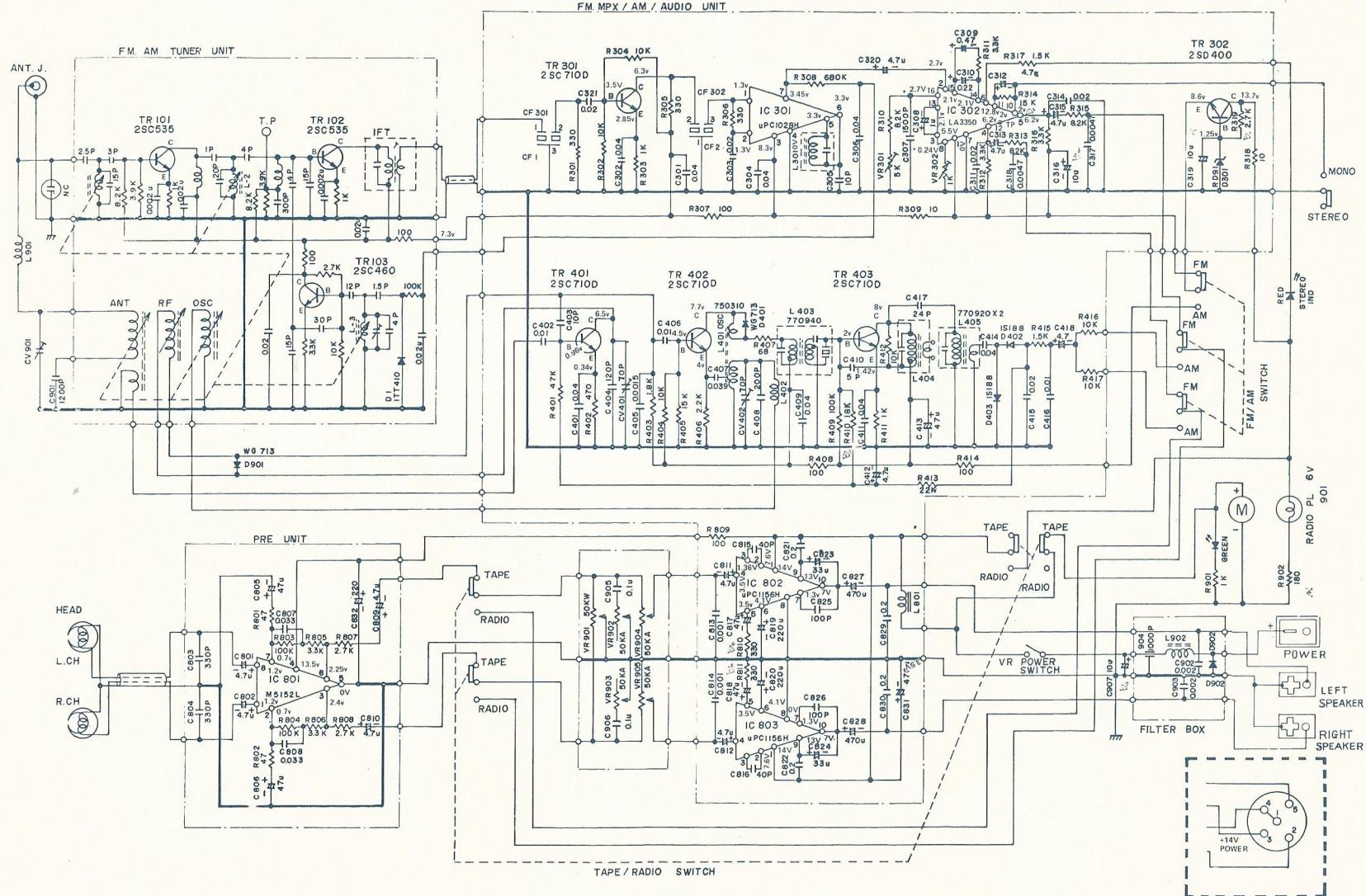
## Wiring Connections



## Exploded View (A)



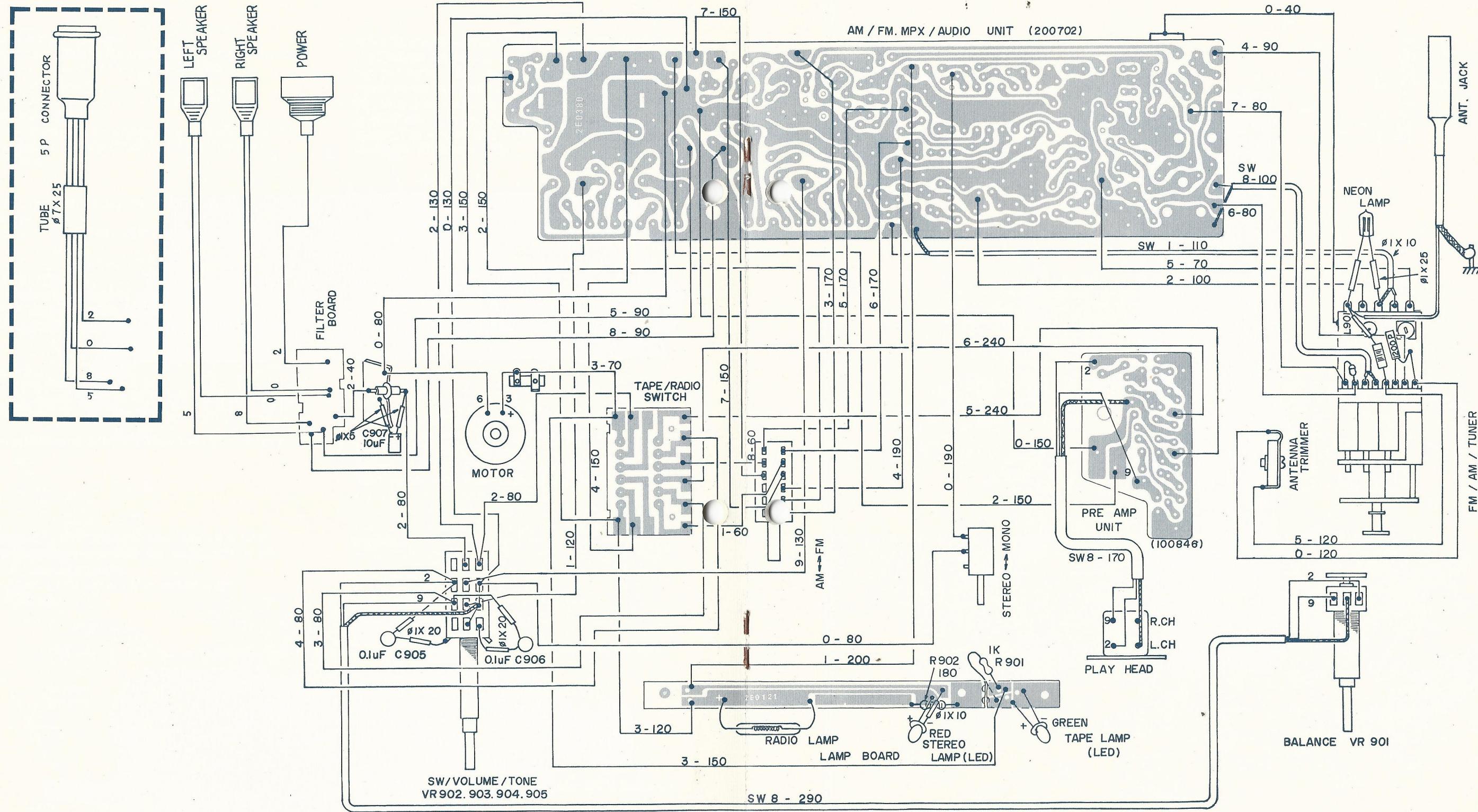
## Schematic Diagram



## Trouble Shooting

Symptoms	Possible Causes	Remedy
The power is dead.	<ol style="list-style-type: none"> <li>1. The power is shut off.</li> <li>2. Poor contact between the RS2010 body and power connector</li> <li>3. Blown fuse</li> <li>4. Poor contact between fuse and holder</li> <li>5. Broken wires of the power supply cord.</li> </ol>	<ol style="list-style-type: none"> <li>2. Polish the poorly contacted part.</li> <li>3. Replace.</li> <li>4. Polish the poorly contacted part.</li> <li>5. Replace</li> </ol>
Fuse blows when the power switch is on.	<ol style="list-style-type: none"> <li>1. Lack of fuse capacity</li> <li>2. The power supply circuit is short.</li> <li>3. The wiring is short.</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace by regulated fuse.</li> <li>2. Repair, check.</li> <li>3. Repair, check.</li> </ol>
Impossible to cut the power.	Defective power switch	Replace the switch.
Fuse blows frequently.	<ol style="list-style-type: none"> <li>1. Lack of fuse capacity.</li> <li>2. Defective output transistor.</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace by regulated fuse.</li> <li>2. Replace.</li> </ol>
One of the speakers produces a bigger sound.	<ol style="list-style-type: none"> <li>1. Big difference in the efficiency of the speakers.</li> <li>2. Difference in the impedance of the speakers.</li> <li>3. Defective tape recording.</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace the speakers.</li> <li>2. Replace the speakers.</li> </ol>
Impossible to control tone.	<ol style="list-style-type: none"> <li>1. Defective tone/volume control.</li> <li>2. Poor wiring of tone/volume control</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace.</li> <li>2. Repair, check.</li> </ol>
Volume is too loud, and it is impossible to control volume.	<ol style="list-style-type: none"> <li>1. Defective volume control or loose grounding.</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace or repair.</li> </ol>
Crosstalk.	<ol style="list-style-type: none"> <li>1. Poorly positioned tape guide.</li> <li>2. Distorted cassette tape resulted poor recording.</li> </ol>	<ol style="list-style-type: none"> <li>1. Adjust.</li> <li>2. Replace.</li> </ol>
No high compass in sound	<ol style="list-style-type: none"> <li>1. Dirty and worn-out head</li> <li>2. Adjustment of head angle.</li> <li>3. Defective head itself.</li> </ol>	<ol style="list-style-type: none"> <li>1. Clean the head.</li> <li>2. Adjust</li> <li>3. Replace.</li> </ol>
Motor rotation is too fast.	<ol style="list-style-type: none"> <li>1. Belt slip</li> </ol>	<ol style="list-style-type: none"> <li>1. Polish (belt)</li> </ol>
No motor torque	<ol style="list-style-type: none"> <li>1. Defective motor</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace</li> </ol>
Great difference in speed change	<ol style="list-style-type: none"> <li>1. Slippage of belt.</li> <li>2. Dirty pinch roller.</li> <li>3. Part of tape stretched.</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace, clean.</li> <li>2. Replace, clean.</li> <li>3. Replace the tape.</li> </ol>
Irregular revolution.	<ol style="list-style-type: none"> <li>1. Tape winding is too tight, and revolution is slow.</li> <li>2. Partially stretched tape.</li> <li>3. Stretched belt.</li> <li>4. Head or flywheel is contaminated with oil.</li> <li>5. Dirty or scratched pinch roller.</li> </ol>	<ol style="list-style-type: none"> <li>1. Adjust winding.</li> <li>2. Replace.</li> <li>3. Replace.</li> <li>4. Clean.</li> <li>5. Clean or replace.</li> </ol>
No sound from one of the speakers.	<ol style="list-style-type: none"> <li>1. Poor wiring of the speaker or defective speaker.</li> <li>2. Defective amplifier.</li> <li>3. Poor contact of head or broken wires.</li> </ol>	<ol style="list-style-type: none"> <li>1. Check the wiring, replace the speaker.</li> <li>2. Repair.</li> <li>3. Check the wiring, replace.</li> </ol>
Bad AM reception.	<ol style="list-style-type: none"> <li>1. Poor adjustment of antenna trimmer.</li> <li>2. Broken wires in antenna.</li> <li>3. Poor insertion of antenna jack</li> </ol>	<ol style="list-style-type: none"> <li>1. Adjust around 1,400kHz.</li> <li>2. Repair or replace.</li> </ol>

# Wiring Connections



## Parts List

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REF. NO.	PART NO.	DESCRIPTION	Q'TY
1	2E0270	Nose Piece	1	1	0029235	Mechanism chassis ass'y	1
2	2E0310	Scale Plate A	1	2	0029253	Cassette holder ass'y	1
3	2E0420	Scale Plate B	1	3	0029262	CP plate ass'y	1
4	2E0290	Door Shaft	1	4	0029270	Head base holder ass'y	1
5	2E0280	Cassette Door	1	5	0022054	Control lever	1
6	2E0300	Door Spring	1	6	0022063	Lift arm	1
7	2E0361	Control Knob (Inner)	2	7	0022072	Eject lever	1
8	2E0370	Control Knob (Outer)	2	8	0024117	Pintch roller ass'y	1
9	2E0352	Name Plate	1	9	0021014	Motor	1
10	2E0340	Front Panel	1	10	0021023	Head	1
11	2E0023	Bottom Case	1	11	0023169	Capstan flywheel	1
12	2E0030	B Case	1	12	0024015	Driving belt	1
13	021560	Rotary Volume (1 Gang)	1	13	0024024	Clutch belt	1
14	014015	Joint Disk	1	14	0025019	Clutch base	1
15	2E0400	AM/FM Tuner	1	15	0025037	Clutch bush	1
16	2E0181	String Bracket Ass'y	1	16	0024061	Clutch spring	1
17	100490	Antenna Jack	1	17	0026031	Washer 5.2φ x 8φ x 0.25 <sup>t</sup>	1
18	2E0170	Antenna Holder	1	18	0025028	Clutch pulley	1
19	2E5020	5P Output Wire Ass'y	1	19	0023021	Eject lever shaft	1
20	6C0680	Radiator	1	20	0021032	Leaf SW BSW-47	1
21	200702	AM/FM Audio PCB Ass'y	1	21	0022341	Push spring	1
22	6C0670	Nut Plate	1	22	0023141	Special washer	1
23	200702	Pre Amp Ass'y	1	23	0023049	Roller	2
24	027680	Antenna Trimmer	1	24	0023113	Gide roller (B)	2
25	300611	Cassette Mecha. Ass'y	1	25	0023076	Gide roller (A)	1
26	210300	Wire Clamp Cap	1	26	0026161	Plain washer 2φ	1
27	021310	Rotary Volume (4 Gang)	1	27	0024089	Pintch spring	1
28	2E0330	Push Knob	2	28	0024071	Holder spring	1
29	2E0320	Eject Knob	1	29	0024050	Head base spring	1
30	2E0040	Switch Holder	1	30	0024098	Azimuth spring	1
31	840400	Push Slide Switch (AM/FM)	1	31	0024042	Eject spring	1
32	840822	Switch Bracket	1	32	0023010	Motor pulley	1
33	840390	Push Slide Switch (Tape/Radio)	1	33	0026252	Washer 1.8φ x 4φ x 0.4 <sup>t</sup> (nylon)	1
34	2E0410	Switch PCB	1	34	0026059	Screw P.H. M2x3	1
35	2E0131	Rear Plate	1	35	0026068	Screw P.H. M2.6x3	3
36	2E0121	Lamp PCB	1	36	0026123	Screw P.T. M2.6x4	3
37	026860	Pilot Lamp (6V-40mA)	1	37	0026132	Screw P.T. M2.6x5	1
38	027402	LED (Red)	1	38	0026077	Screw B.H. M2x3	1
39	2E0103	Cassette Guide Ass'y	1	39	0026086	Screw B.H. M2x5	1
40	840321	Dial Code Ass'y	1	40	0026188	E-ring 2φ	4
41	2E00051	Pointer	1	41	0026197	E-ring 3φ	3
42	022370	Push Slide Switch	1	42	0026012	Slip felt 6φ x 14φ x 1 <sup>t</sup>	1
43	2E0451	Top Cover Ass'y	1	43	0026020	Washer 2.2φ x 4φ x 0.13 <sup>t</sup>	1
44	014001	Supperter	1	44	0026041	Screw S.S. M2x4	1
45	820242	Position Washer	2	45	0022351	Head PCB	1
46	890490	Black Seal	1	46	0029013	Mechanism ass'y	1
50	011032	BHSPC 3004 Screw	4				
51	011021	BHSPC 2604 Screw	11				
52		Nut 9000	2				
53		WFAL 9000 Washer	2				
54	011060	STSPC 2605 Screw	4				
55	011288	STBHSPC 3006 Screw	2				
56	011022	BHSPC 2603 Screw	3				
57	011010	BHSPB 2003 Screw	2				
58	011011	BHSPC 2003 Screw	5				
59	011128	FTBHSPC 3004 Screw	7				
60	011196	WFSPC 5000 Washer	1				
61	011176	N6SPC 5000 Nut	1				
62	011113	STSPC 3006 Screw	1				
63	011033	BHSPC 3005 Screw	2				

PART NO.	SYMBOL NO.	DESCRIPTION	Q'TY	PART NO.	SYMBOL NO.	DESCRIPTION	Q'TY
2E0381	N	AM/FM/AUDIO P.C.B.	1	001532	R415	RD18VK 1.5KΩ	1
6C0680		Radiator	1	001533	R403	RD18VK 1.8KΩ	1
6C0670		Nut plate	1	001534	R406	RD18VK 2.2KΩ	1
011022	TR stopper	BHSPC 2604	2	001545	R410	RD18VK 18KΩ	1
011113		STSPC 3006	1	001542	R404,412	RD18VK 10KΩ	4
FM Receiver Section				R416,417			
003516	1C302	LA-3350 (L6)	1	001544	R405	RD18VK 15KΩ	1
003519	IC301	UPC-1028H	1	001549	R401	RD18VK 47KΩ	1
003429	TR301	2 SC710D	1	001553	R409	RD18VK 100KΩ	1
003467	TR302	2 SD400E	1	001546	R413	RD18VK 22KΩ	1
003110	D301	RD9.1EB Diode	1	002014	C413	CEUZ 47μF	1
241010	L301:	Coil	1	002008	C412,418	CEUZ 4.7μF	2
021850	VR301	Variable Resistor	1	002502	C405	CM 50VK 0.0015μF	1
021890	VR302	Variable Resistor 1KΩ	1	002516	C402,406	CM 50VK 0.01μF	3
001106	R318	RD12VK 10 Ω	1	002520	C415	CM 50VK 0.02μF	1
001506	R309	RD18VK 10 Ω	1	002525	C407	CM 50VK 0.039μF	1
001518	R307	RD18VK 100Ω	1	002349	C401,409	CCY 50V 0.04μF	4
001532	R317	RD18VK 1.5KΩ	1	C411,414			
001524	R301,305	RD18VK 330Ω	3	002439	C410	CCYC50V 5PF	1
	R306			002444	C403	CCYC50V 10PF	1
001530	R303	RD18VK 1.0KΩ	1	002718	C404	CK 50VJ 120PF	1
001536	R311,312	RD18VK 3.3KΩ	3	002721	C408	CK 50VJ 200PF	1
	R316			002460	C417	CCYC50V 24PF	1
001535	R319	RD18VK 2.7KΩ	1	AUDIO Section			
001541	R310,313	RD18VK 8.2KΩ	3	003536	IC802,803	UPC 1156H	2
	R315			890510		Choke transformer	1
001542	R302,304	RD18VK 10KΩ	2	002111	C831,827	CEUZ 16V 470μFΦ10	3
001544	R314	RD18VK 15μ	1	C828			
001563	R308	RD18VK 680K	1	002042	C819,820	CEUZ 16V 220μFΦ10	2
002008	C313,315	CEUZ 10V 4.7μF	2	002014	C817,818	CEUZ 10V 47μFΦ6	2
002004	C308	CEUZ 10V 1μF	1	002013	C823,824	CEUZ 10V 33μF	2
002014	C319	CEUZ 10V 47μF	1	002008	C811,812	CEUZ 10V 4.7μF	2
002034	C316	CEUZ 16V 10μF	1	003421	C821,822	SCY 12Z 0.2μF	4
002152	C310	Tantal condenser	1	C829,830			
		CTUM 0.22μF		002501	C813,814	CM 50VK 0.001μF	2
002153	C309	CTUM 0.47μF	1	002308	C825,826	CCY 50V 100PF	2
002155	C320,312	CTUM 4.7μF	2	002302	C815,816	CCY 50V 40PF	2
006315		Test point	1	001518	R809	RD 18VK 100	1
002344	C303,321	COY 50V 0.02μF	2	001524	R810,811	RD18VK 330	2
002349	C301,302	COY 50V 0.04μF	4	003510	IC801	M5125L	1
	C304,306			002042	C832	CEUZ 16V 220μF 10Φ	1
002444	C305	CCYC 50 10PF	1	002014	C805,806	CEUZ 10V 47μF	2
002620	C307	Styrol condensor	1	002008	C801,802	CEUZ 10V 4.7μF	4
		CS 50VJ 1500P		002316	C803,804	CCY 50VK 330PF	2
002511	C317,318	CM 50VK 0.0047UF	2	002524	C807,808	CM 50VK 0.033μF	2
002520	C311,314	CM 50VK 0.02UF	2	001514	R801,802	RD 18VK 47Ω	2
004701	CF301,302	Seramic Filter 10.7MHz	2	001535	R807,808	RD18VK 2.7K	2
AM Receiver Section				001536	R805,806	RD18VK 3.3K	2
003429	TR401,402	2 SC710D	3	001553	R803,804	RD18VK 100K	2
	TR403						
003001	D402,403	1 S188	2				
003008	D401	WG713	1				
027750	CV401,402	Trimmer 70PF	2				
770920	L404,405	IF Coil	2				
770940	L403	IF Coil with Ceramic	1				
		Filter 455K					
750310	L401	OSC Coil	1				
004202	L402	Series coil	1				
001516	R407	RD 18VK 68Ω	1				
001518	R408,414	RD 18VK 100Ω	2				
001530	R411	RD 18VK 1KΩ	1				
001526	R402	RD 18VK 470Ω	1				

## Exploded View (B)

