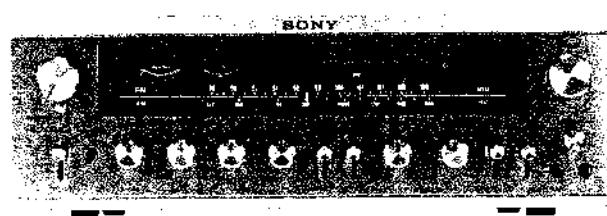


(USA Model)



(UK, AEP and GEP Model)

FM TUNER SECTION

Frequency range	87.5 - 107.9 MHz
Antenna	300 Ω balanced or unbalanced terminals, +10 dBV
Intermediate frequency	10.7 MHz
Sensitivity	2.0 μV (RF) / 0.6 μV (S) + 30 dB
Image rejection	70 dB
Adjacent channel selectivity	50 dB
Spurious radiation	30 dB
Bias suppression	60 dB
Capture ratio	7.0 dB
Selectivity	5.0 dB (±3dB)
S/N ratio	50 dB
Frequency response	87.5 - 107.9 MHz ± 2 dB
Harmonic distortion	AM: 0.01% (±0.5 dB) at 100% power Stereo: 0.4% (±0.5 dB) at 100% power
Stereo separation	Greater than 1.35 at 400 Hz
SCA suppression	68 dB
Muting level	5 μV

AM TUNER SECTION

Frequency range	530 - 1,605 kHz
Antenna	50 Ω twin lead antenna and external antenna terminal
Intermediate frequency	455 kHz (USA and GEP Model) 468 kHz (AEP and UK Model)
Sensitivity	46 dB (in built-in ferrite-rod antenna) at 1,000 kHz 130 μV (external antenna)

SPECIFICATIONS

Image rejection	100 dB (1000 Hz)
Cross talk	40 dB (1000 Hz)
S/N ratio	50 dB (A) (1000 Hz)
Harmonic distortion	0.5% (at 50 mW rms)
POWER AMPLIFIER SECTION	
Continuous RMS power output	4.0 W (1000 Hz) (USA and GEP Model) 6.0 W (1000 Hz) (AEP and UK Model) 8.0 W (1000 Hz) (AEP and UK Model)
Output voltage	140 V (1000 Hz) (GEP Model) 170 V (1000 Hz) (AEP and UK Model) 180 V (1000 Hz) (USA and GEP Model) 220 V (1000 Hz) (AEP and UK Model)
Power supply limit, dB	-17 ~ +10 (1000 Hz)
Damping factor	50 ~ 80 (1000 Hz)
Harmonic distortion	Less than 0.01% at continuous RMS power output Less than 0.01% at 1000 Hz power output
IM distortion	Less than 0.01% at continuous RMS power output Less than 0.01% at 1000 Hz power output

JUXTAPOSED IN SECTION 2

SERVICE MANUAL

STR-7065A

Residual noise: Less than 0.05 μ W

S/N ratio: Greater than 110 dB (closed circuit)

Frequency response: 10 – 100,000 Hz \pm 0 dB at 1 W output

Input sensitivity and impedance: 1 V at continuous RMS power output
50 k Ω

PREAMPLIFIER SECTION

Input sensitivity and impedance:

	Sensitivity *	Impedance
PHONO	3 mV	47 k Ω
MIC	1.6 mV	47 k Ω
AUX		
TAPE 1, 2	250 mV	50 k Ω
REC/PB(input)		

Note: * Measured with continuous RMS power output into 8 Ω loads (both channels driven simultaneously) at 1 kHz.

Maximum input capability: 100 mV . . . PHONO

Output level and impedance:

	Level	Impedance
REC OUT	250 mV	10 k Ω
REC/PB (output)	30 mV	82 k Ω
PREAMP OUTPUT	1 V	4.7 k Ω

S/N ratio:

	S/N	Weighting network	Input level
PHONO	72 dB	A	3 mV
MIC	65 dB	B	1.6 mV
AUX			
TAPE 1, 2	90 dB	A	250 mV
REC/PB(input)			

Harmonic distortion: Less than 0.2 % at continuous RMS power output

IM distortion: (60 Hz : 7 kHz = 4 : 1) Less than 0.2 % at continuous RMS power output

Frequency response: PHONO RIAA equalization curve \pm 1 dB

MIC 100 – 10,000 Hz \pm 3 dB

AUX TAPE 1, 2 10 – 70,000 Hz \pm 3 dB
REC/PB (input)

Tone controls: BASS \pm 10 dB at 100 Hz
TREBLE \pm 10 dB at 10 kHz

High filter: 12 dB/oct. above 9 kHz

Low filter: 12 dB/oct. below 50 Hz

Loudness control: +10 dB at 50 Hz, +4 dB at 10 kHz
(Attenuation : 30 dB)

GENERAL:

System: Superheterodyne fm/a-m tuner
Complementary symmetry circuit
(SEPP OTL), Direct output coupling

Power requirements: 120 Vac, 60 Hz (USA Model)
100, 120, 220, 240 Vac, 50/60 Hz
(GEP Model)
110, 127, 220, 240 Vac, 50/60 Hz
(UK and AEP Model)

Power consumption: 180 W (USA Model)
300 W (GEP Model)
370 W (UK and AEP Model)

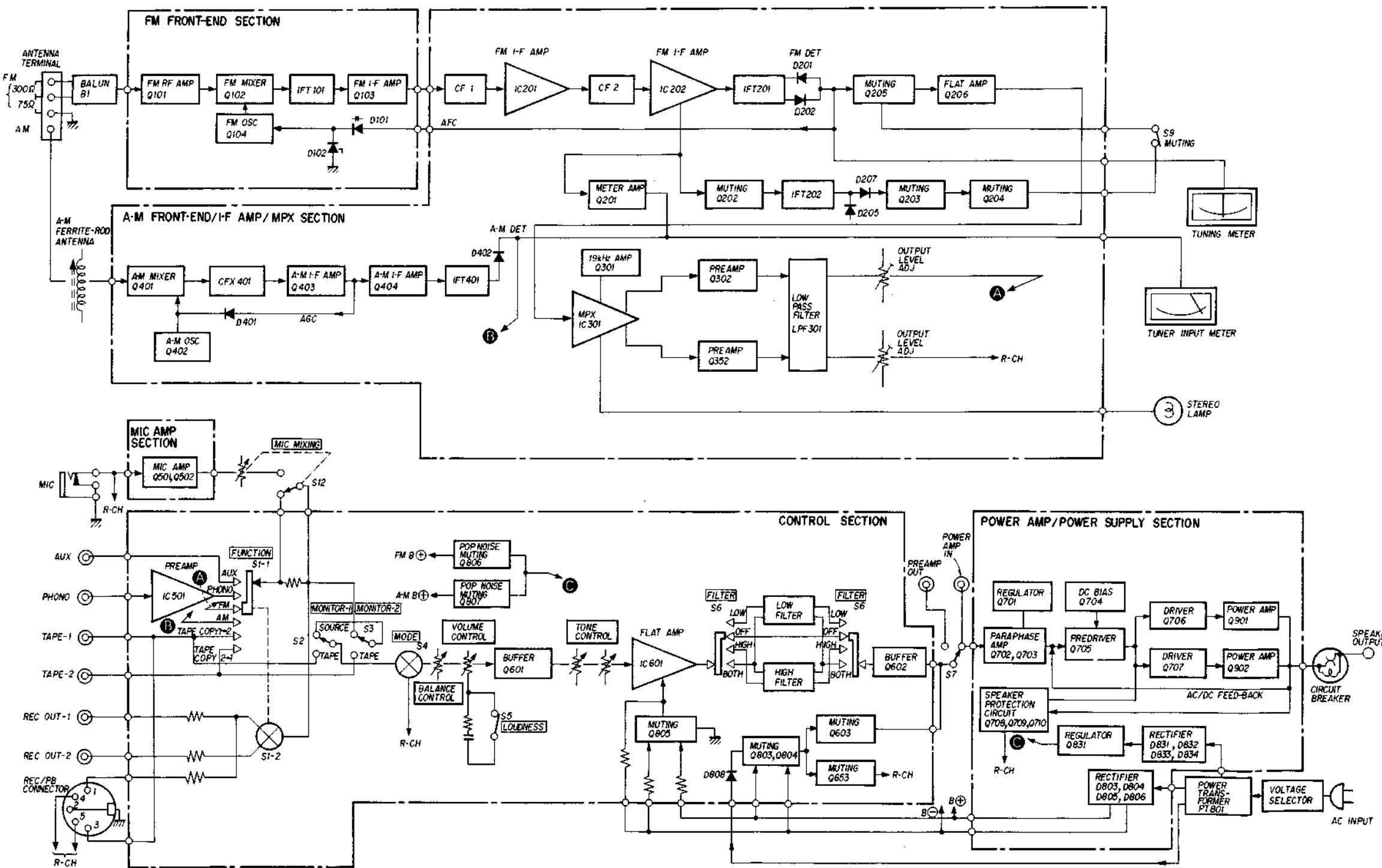
AC outlets: 2 switched, 200 W
1 unswitched, 200 W (USA Model only)

Dimensions: 471 (w) x 157 (h) x 375 (d) mm
18 $\frac{1}{4}$ (w) x 6 $\frac{1}{8}$ (h) x 14 $\frac{3}{4}$ (d) inches
(USA Model)
440 (w) x 148 (h) x 375 (d) mm
17 $\frac{3}{8}$ (w) x 5 $\frac{7}{8}$ (h) x 14 $\frac{3}{4}$ (d) inches
(UK, AEP and GEP Model)

Net weight: 15.2 kg, 33 lb 10 oz (USA Model)
13.2 kg, 29 lb 2 oz (UK, AEP and GEP Model)

Shipping weight: 18.9 kg, 44 lb 10 oz (USA Model)
16.9 kg, 37 lb 4 oz (UK, AEP and GEP Model)

SECTION 1
BLOCK DIAGRAM

1-1 BLOCK DIAGRAM

SECTION 2

DISASSEMBLY AND REPLACEMENT

2-1. BOTTOM PLATE REMOVAL

Remove the eight self-tapping screws shown in Fig. 2-1.

2-2. FRONT PANEL REMOVAL

1. Remove all the knobs on the front panel.
2. Remove the three self-tapping screws shown in Fig. 2-1.
3. Remove the three screws shown in Fig. 2-2.

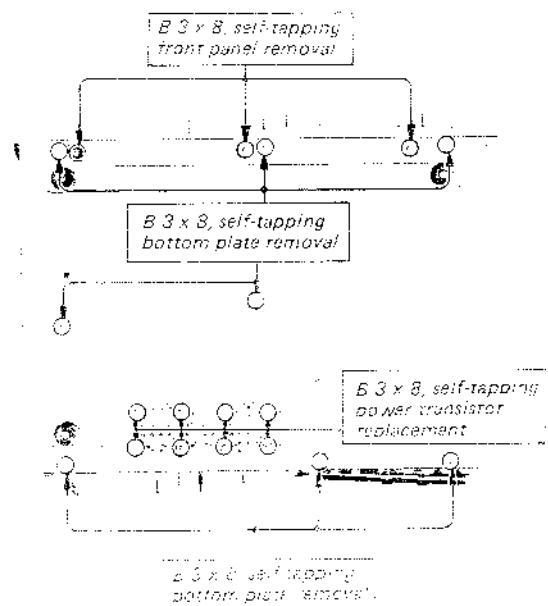


Fig. 2-1. Bottom plate and front panel removal

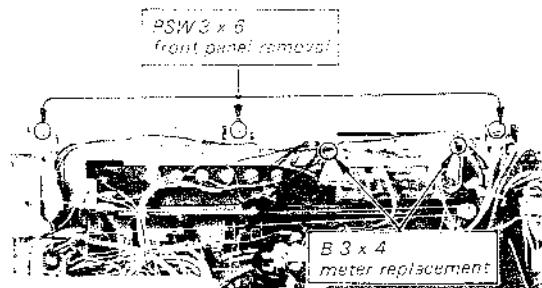


Fig. 2-2. Front panel removal and meter replacement

2-3. POWER TRANSISTOR REPLACEMENT

1. Remove the twelve self-tapping screws shown in Fig. 2-1 and Fig. 2-3.
2. Remove the two screws securing the power transistor to the heat sink.

Note: When replacing the power transistor, apply a coating of a heat-transferring grease to both sides of the mica insulator. Any excess grease squeezed out when the mounting bolts are tightened should be wiped off with a clean cloth. This prevents it from accumulating conductive dust particles that might eventually cause a short.

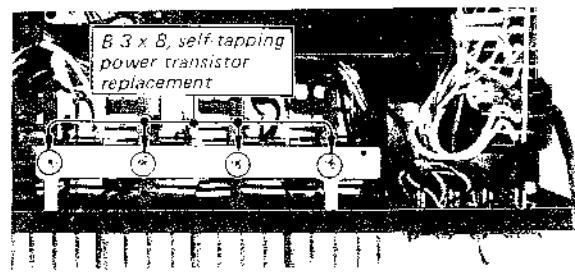


Fig. 2-3. Power transistor replacement

2-4. DIAL GLASS REMOVAL

Turn the dial glass clockwise until it is loose.

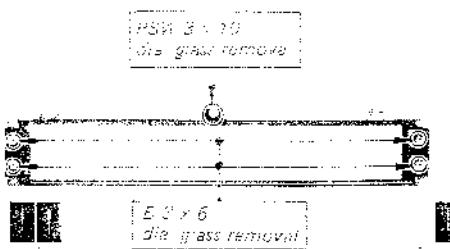


Fig. 2-4. Dial glass removal

2-5. METER REPLACEMENT

1. Remove the meter lamp shade by taking out the two screws shown in Fig. 2-2.
2. Remove the meter.

2-6. DIAL CORD STRINGING

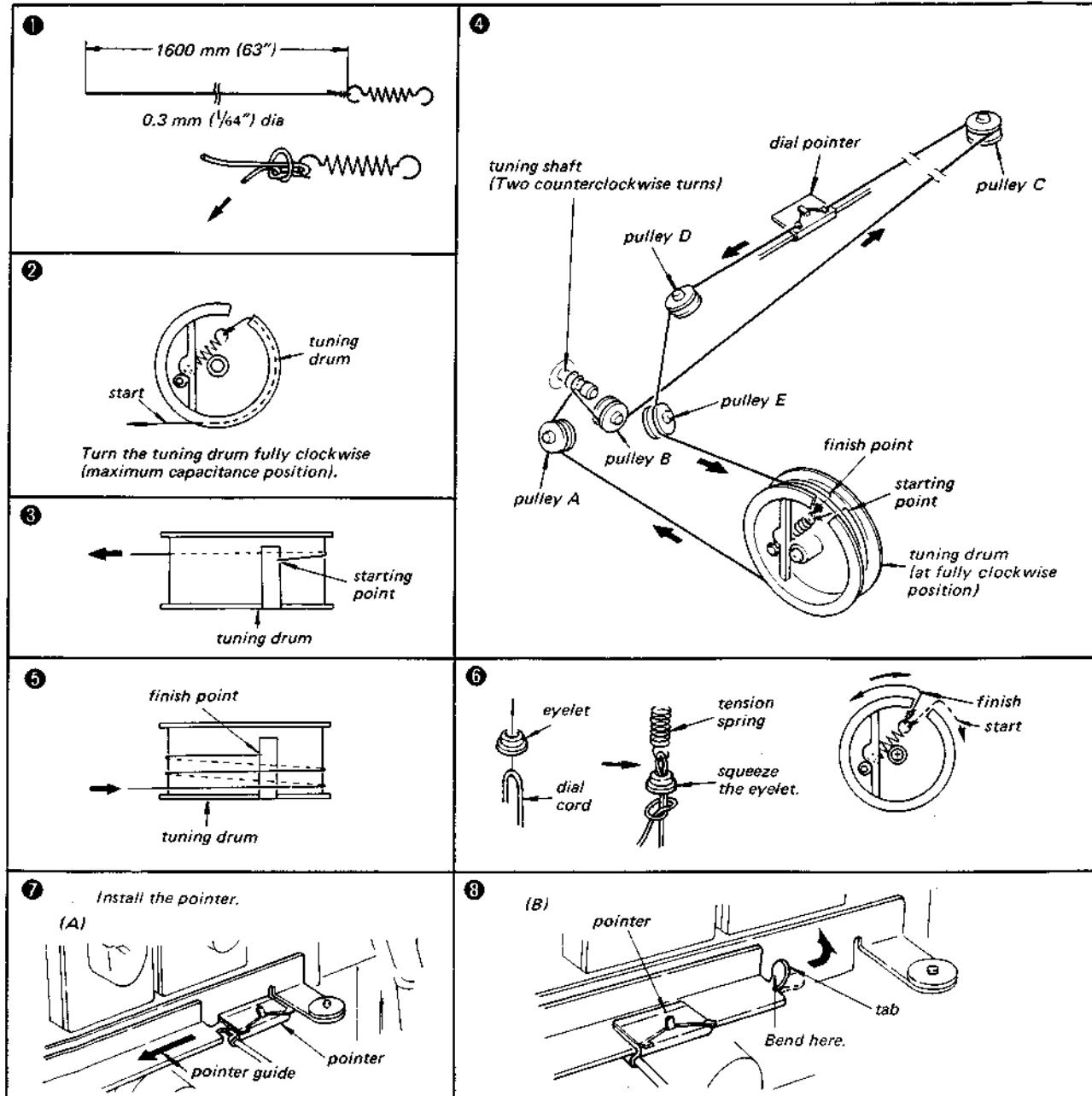


Fig. 2-5 Dial cord stringing

2-7. DIAL CALIBRATION

Tune the receiver to the local station. Move the pointer to the position where the dial indication coincides with the local station's carrier frequency. Apply a drop of contact cement to it.

2-8. VOLUME CONTROL REPLACEMENT

1. Remove the power amp power supply board bracket (C) by taking out the screw as shown in Fig. 2-6.
2. Remove the front panel as described in Procedure 2-1.
3. Remove the nut securing the VOLUME control to the front subchassis shown in Fig. 2-7.
4. Remove the loudness control board along with the VOLUME control.

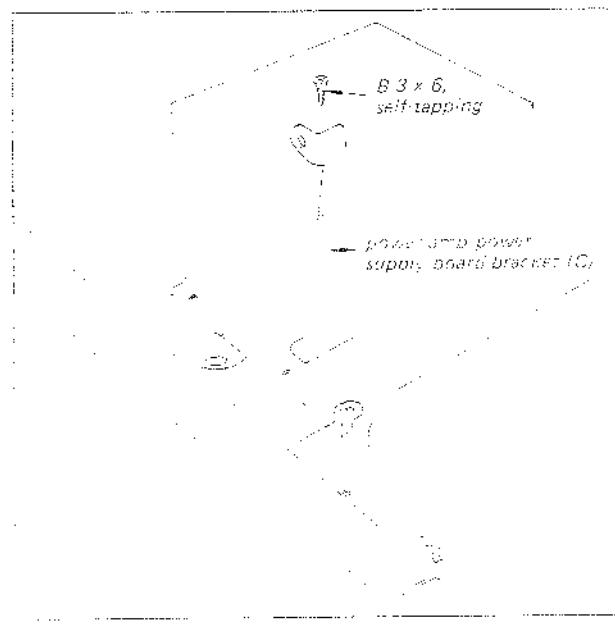


Fig. 2-6. Volume Control replacement.

2-9. CONTROL, JACK AND SWITCH REPLACEMENT

Prepare for replacing any of the controls, jacks or switches by removing the front panel described in Procedure 2-1.

Note: Before removing the front subchassis, fasten the dia. cord to the drum, valleys with telephone tape. This helps you to restring the dia. cord.

POWER, MIC MIXING Switches and HEADPHONE, MIC Jaks

1. Remove two screws at the nut securing the defective switch or jack to front subchassis as shown in Fig. 2-7.
2. Unsolder the leads of defective switch or jack.
3. Install a new one.

SPEAKER, FILTER, MODE and FUNCTION Switches

1. Turn off the volume to the security. The speaker switch, filter switch, mode switch and function switch are located on the front subchassis as shown in Fig. 2-8.
2. Fasten the dia. cord to the drum, valleys with telephone tape as shown in Fig. 2-9.

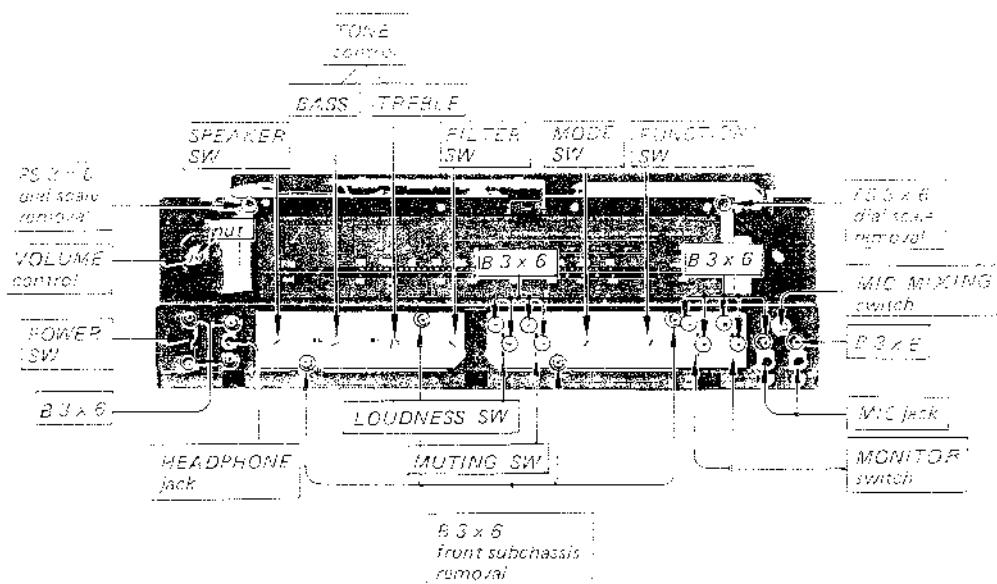


Fig. 2-7. Control, jack and switch replacement (?)

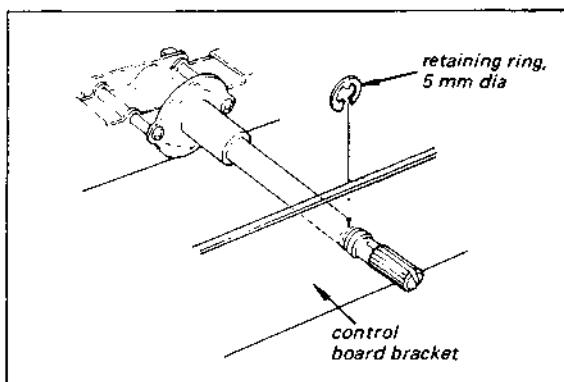


Fig. 2-8. Control board removal

3. Remove the bottom plate as described in Procedure 2-1.
4. With a soldering iron having a solder-sucking tip, clean the solder from each lug of the defective switch and the printed circuit board.
5. Remove the defective switch and install a new one.

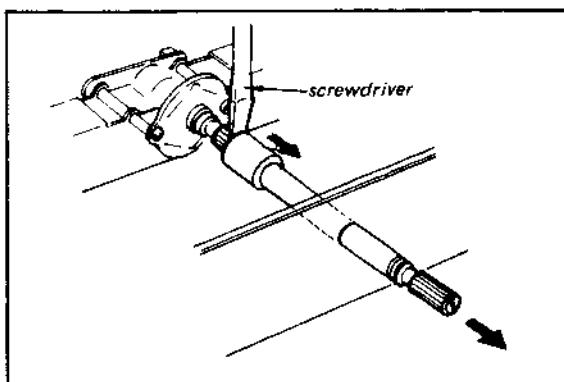


Fig. 2-9. Switch shaft removal

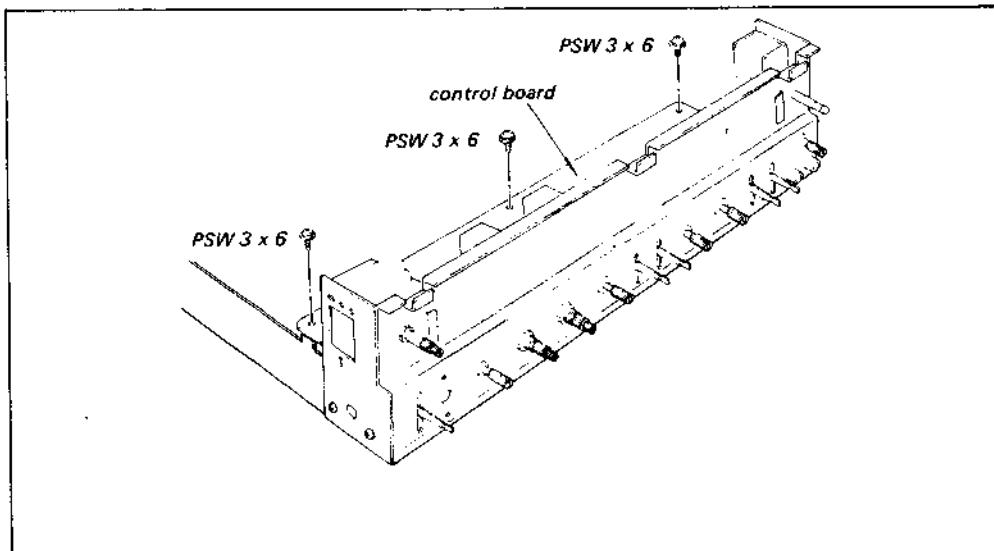


Fig. 2-10. Control, jack and switch replacement (2)

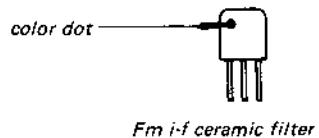
SECTION 3

ALIGNMENTS AND ADJUSTMENTS

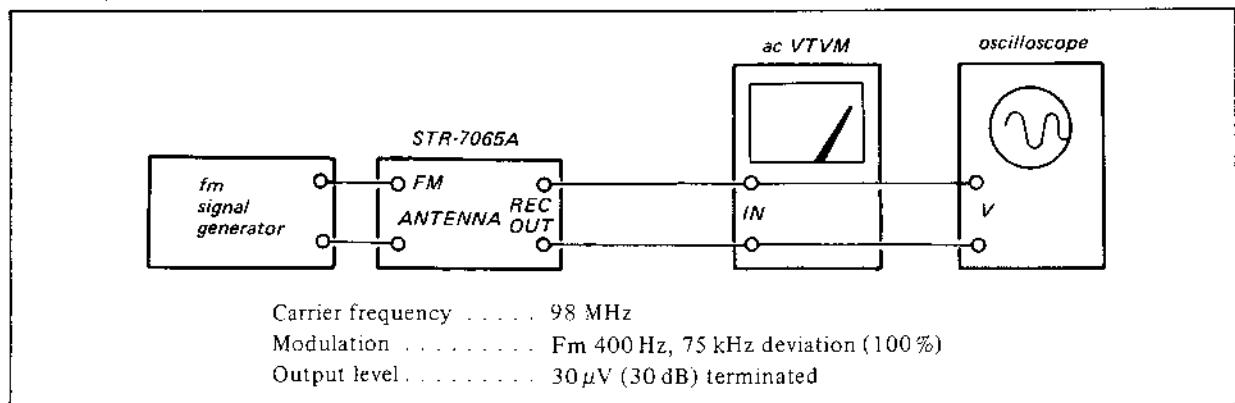
3-1. FM I-F STRIP ALIGNMENT

The center frequency (color code) of CF1 and CF2 should coincide with each other.

Note: It makes no difference, if the center frequency of the new filters is not the same as that of the defective ones.



Test setup:



Preparation:

Short the AFC circuit to ground as shown in Fig. 3-1.

Procedure:

- Precisely tune the receiver to the SG frequency.
- Adjust IFT101 (See Fig. 3-2.) for maximum deflection on the TUNER INPUT meter.
- Carefully adjust IFT101 so that maximum reading on the TUNER INPUT meter always coincides with null-point of the TUNING meter.
- Adjust the core (primary side) of IFT201 for maximum output on the VTVM, and adjust it so that the VTVM indication falls as the receiver is detuned in either direction (maximum output corresponds to null-point on the TUNING meter).

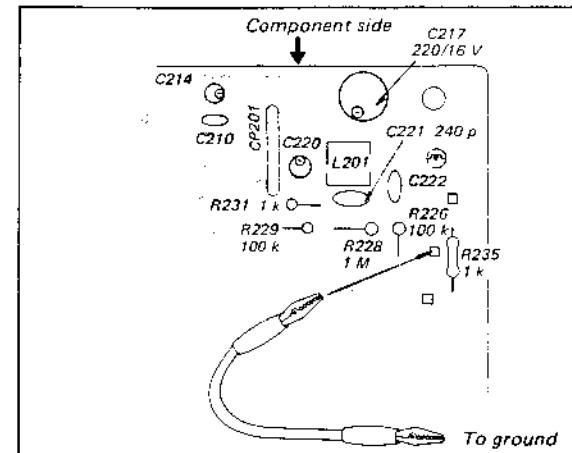


Fig. 3-1. Interruption of AFC circuit.

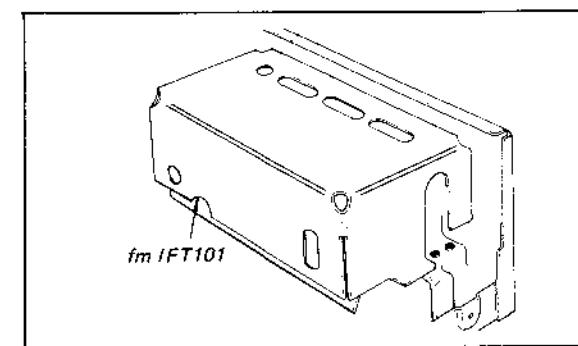


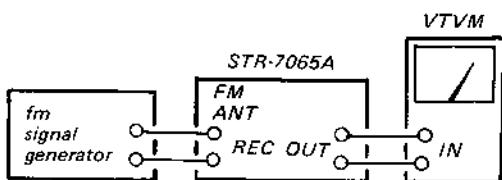
Fig. 3-2. Adjustment parts location

3-2. FM DISCRIMINATOR ALIGNMENT

- Detune the receiver.
- Turn the core (secondary side) of IFT201 for null-point reading on the TUNING meter.

3-3. MUTING ADJUSTMENT

Test Setup:



FM Signal Generator Setting:

Carrier frequency: 98 MHz
Modulation: Fm 400 Hz, 75 kHz deviation (100%)
Output level: 60 dB (1,000 μ V)

Preparation:

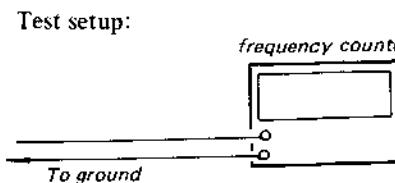
Short the AFC circuit to ground as shown in Fig. 3-1 on Page 9.

Procedure:

- Tune the receiver to 98 MHz.
- Adjust IFT202 for proper muting operation. Muting should begin at point equidistant from zero center.

3-4. 19 kHz ADJUSTMENT

A) With frequency counter



- Tune the receiver to 98 MHz.

- Adjust RV301 for 19 kHz \pm 100 Hz on the counter.

B) Without frequency counter

- Tune the set to FM stereo signals.
- Turn RV301 clockwise and counterclockwise and secure RV301 to the center in lighting up range of stereo lamp as shown below.

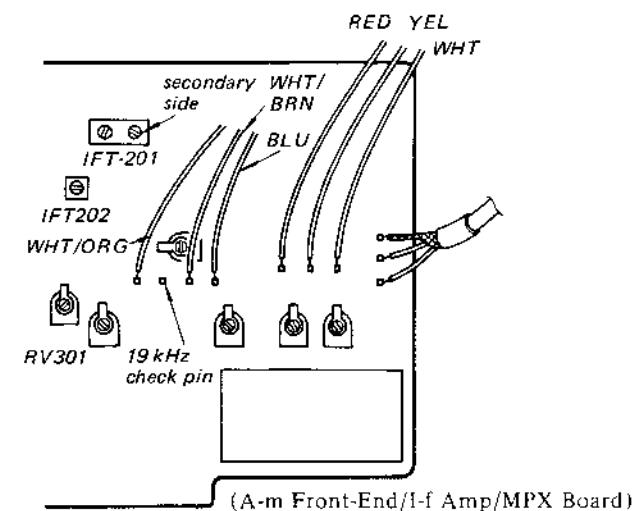
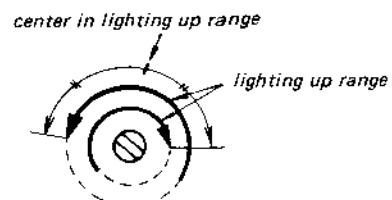
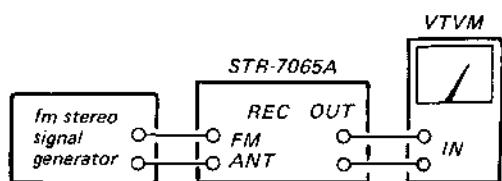


Fig. 3-3. Adjustment parts location

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3-5. FM STEREO SEPARATION ADJUSTMENT

Test Setup:



FM Stereo Signal Generator Setting:

Carrier frequency:	98 MHz
Output level:	60 dB (1,000 μ V)
Mode:	Stereo
Audio (400 Hz) Mod:	67.5 kHz (90 %)
Pilot (19 kHz) Mod:	7.5 kHz (10 %)

Procedure:

1. Set the signal generator input selector to the left.
2. Tune the receiver to 98 MHz.
3. Adjust **RV302** for maximum output on the VTVM at the left channel, and record the output level.
4. Record the residual signal level when the stereo signal generator input selector is to the right.
- Note:** The output level to residual-level ratio represents the separation.
5. Measure the separation at the right channel.
6. Readjust **RV302** for minimum difference between left and right channel separation.

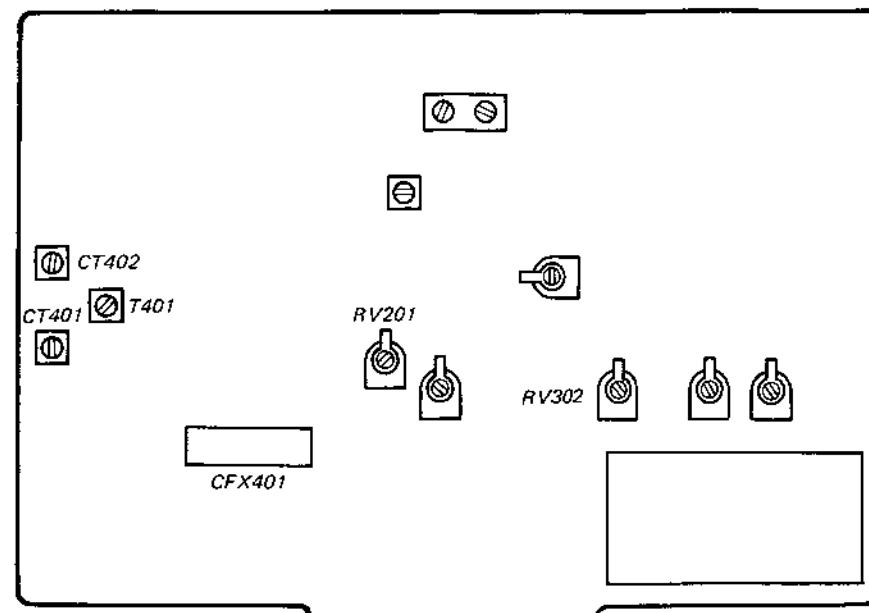
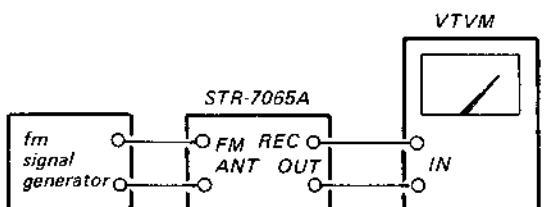


Fig. 3-4. Adjustment parts location

3-6. FM FREQUENCY COVERAGE ALIGNMENT

Test Setup:



CAUTION

Never attempt alignment of the front-end section except for the frequency-coverage and dial-calibration adjustments. The front-end section of the receiver has been carefully adjusted at the factory. If an rf-stage adjustment is required, ask your nearest SONY Service Station to send your unit to the Factory Service Center for a complete front-end alignment.

Preparation:

1. Short the AFC circuit to ground as shown in Fig. 3-1.
2. Before starting this alignment, the fm discriminator alignment should be performed, and that the dial is mechanically calibrated as described in procedure 2-7 on Page 6.

Procedure:

FM FREQUENCY COVERAGE ALIGNMENT
87.5 MHz (modulated)
108 MHz (modulated)

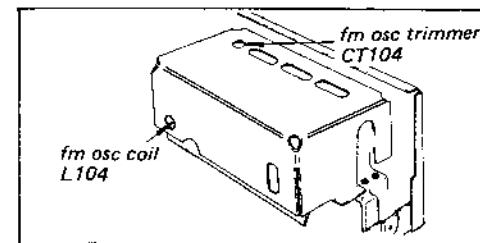


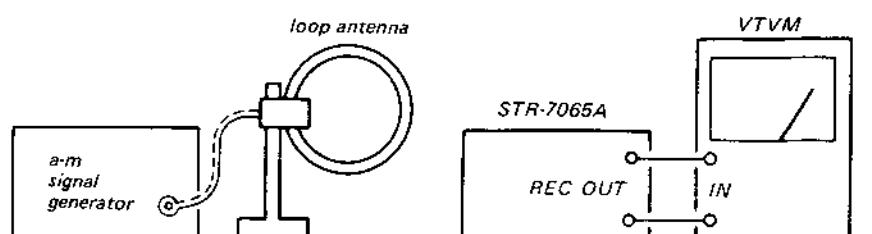
Fig. 3-5. Adjustment parts location

3-7. AM I-F STRIP ALIGNMENT

Note: The i-f transformers [CFX401] in the a-m i-f amplifier circuit are adjusted at the factory, so very little adjustment is necessary in the field even if replacing any of these i-f transformers.

3-8. AM FREQUENCY COVERAGE AND AM TRACKING ALIGNMENT

Test Setup:



Adjust for maximum reading.

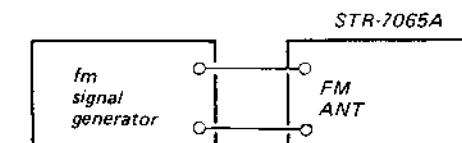
AM FREQUENCY COVERAGE
550 kHz (modulated)
1,600 kHz (modulated)

AM TRACKING
600 kHz (modulated)
1,400 kHz (modulated)

L901
A-m Ferrite-rod antenna

3-9. TUNER INPUT METER CALIBRATION

Test Setup:

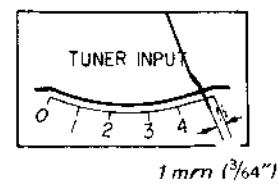


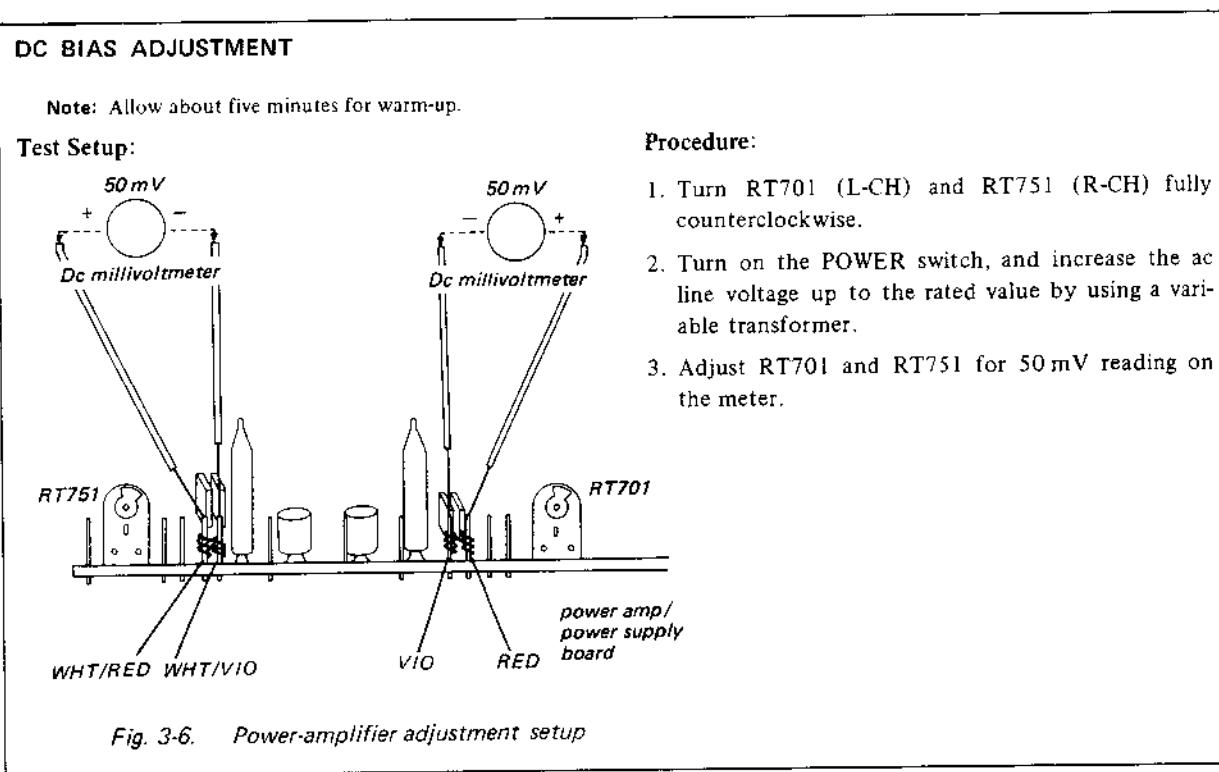
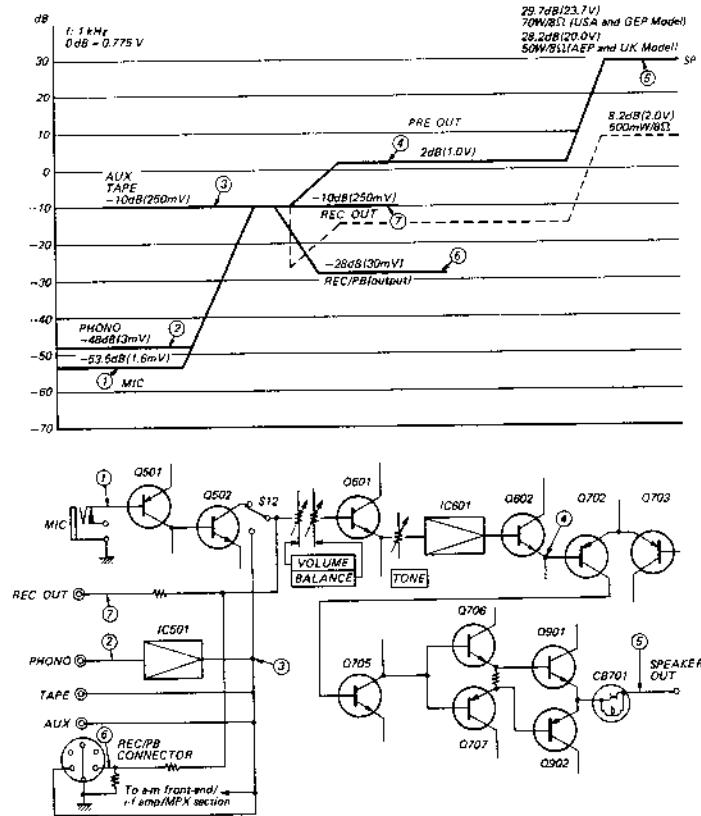
FM Signal Generator Setting:

Carrier frequency:	98 MHz
Modulation:	400 Hz, 75 kHz deviation(100 %)
Output level:	60 dB(1,000 μ V)

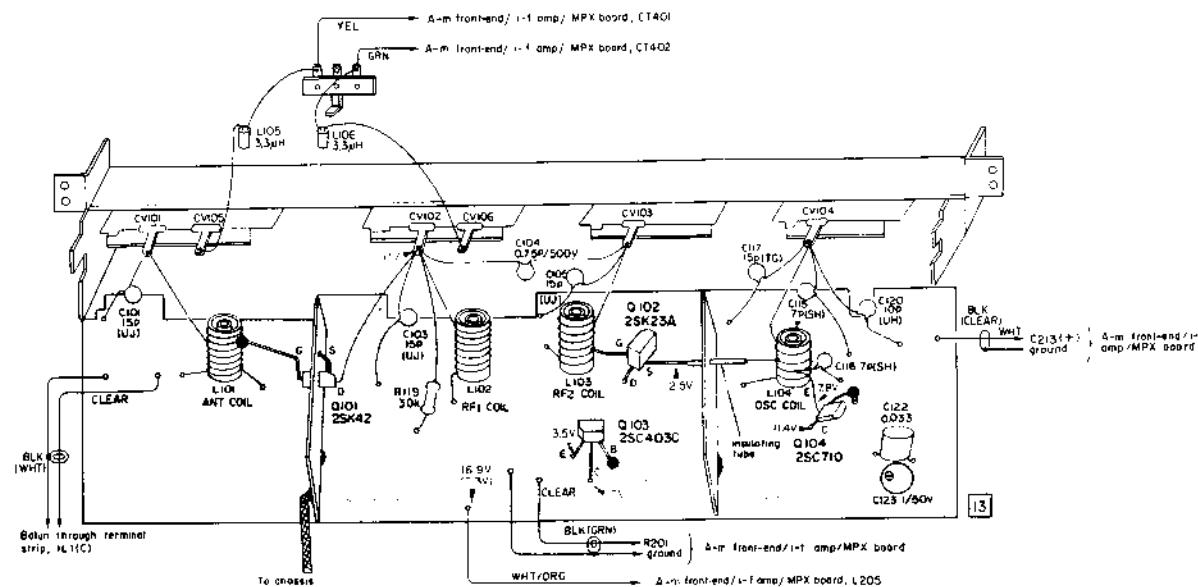
Procedure:

1. Precisely tune the receiver to 98 MHz.
2. Adjust **RV201** for specified position on the SIGNAL meter.



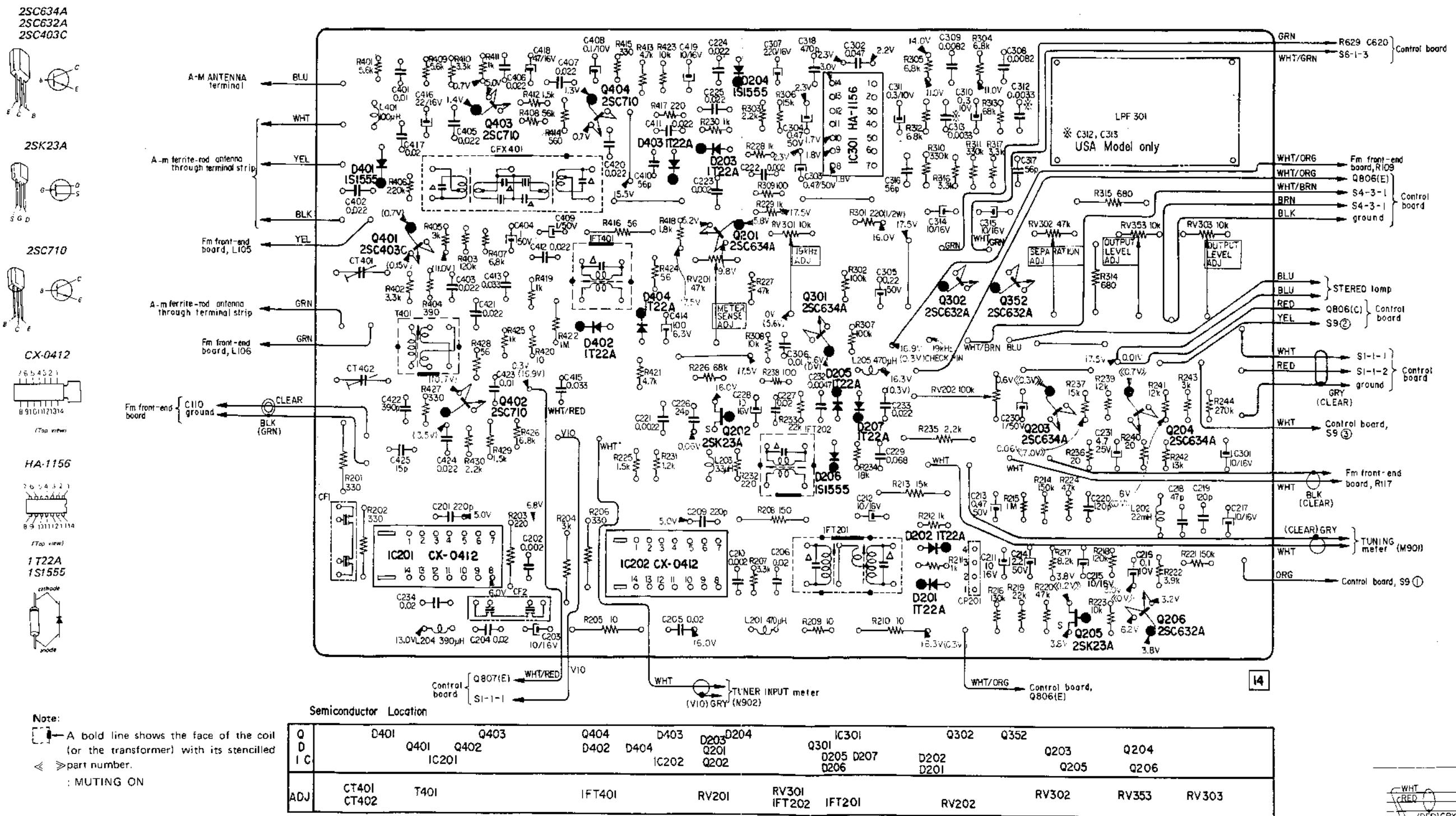
**LEVEL DIAGRAM**

Note: Signal voltages are measured with ac VTVM and expressed in dB referred to 0.775 V, 1 kHz.

**4-1. MOUNTING DIAGRAM – Fm Front-End Board –
— Conductor Side —**

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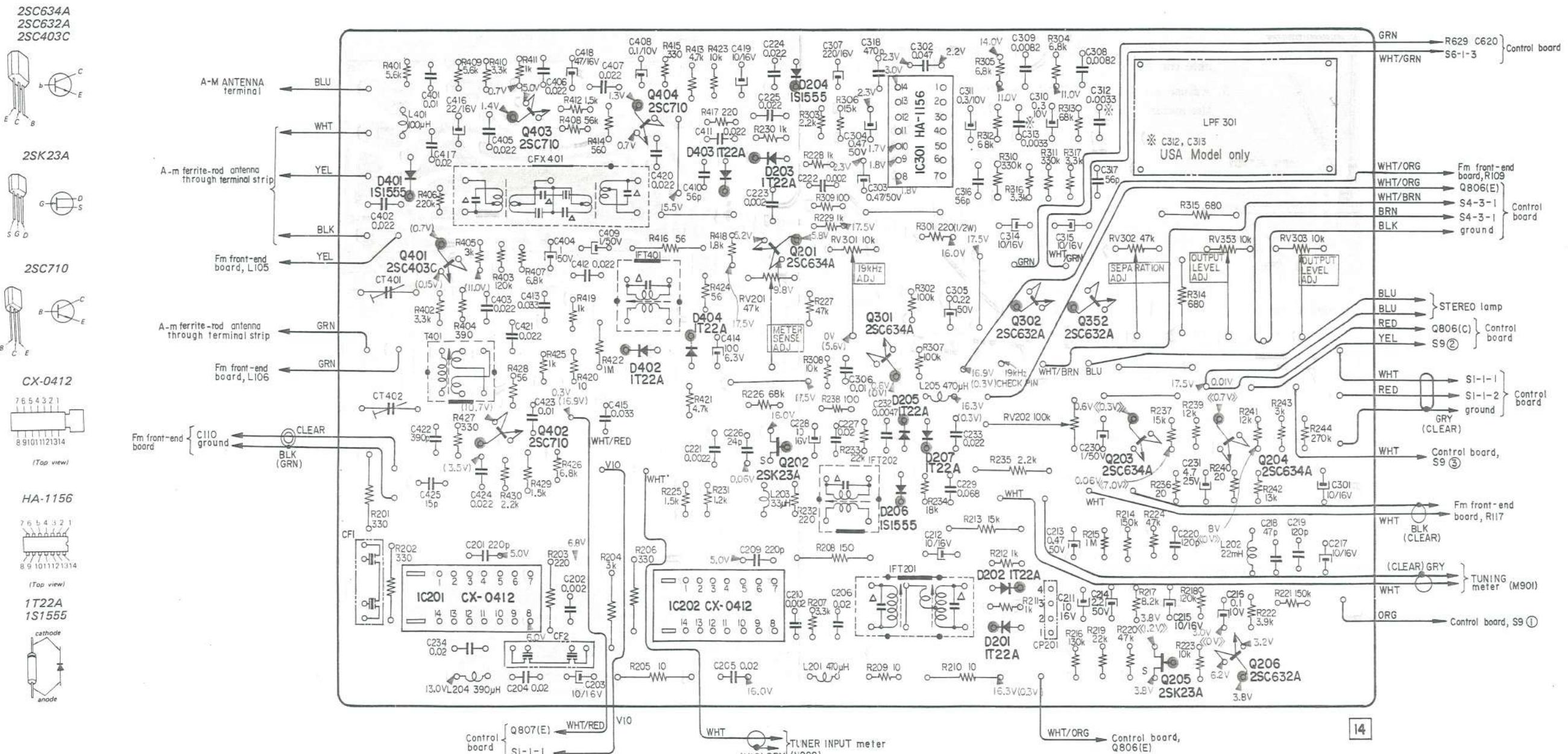
4-2. MOUNTING DIAGRAM – A-m Front-End/I-f Amplifier/MPX Board –
– Conductor Side –



STR-7065A **STR-7065A**

4-2. MOUNTING DIAGRAM – A-m Front-End/I-f Amplifier/MPX Board –

- Conductor Side -



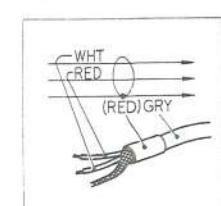
Note

 A bold line shows the face of the coil (or the transformer) with its stencilled

« >>part number.

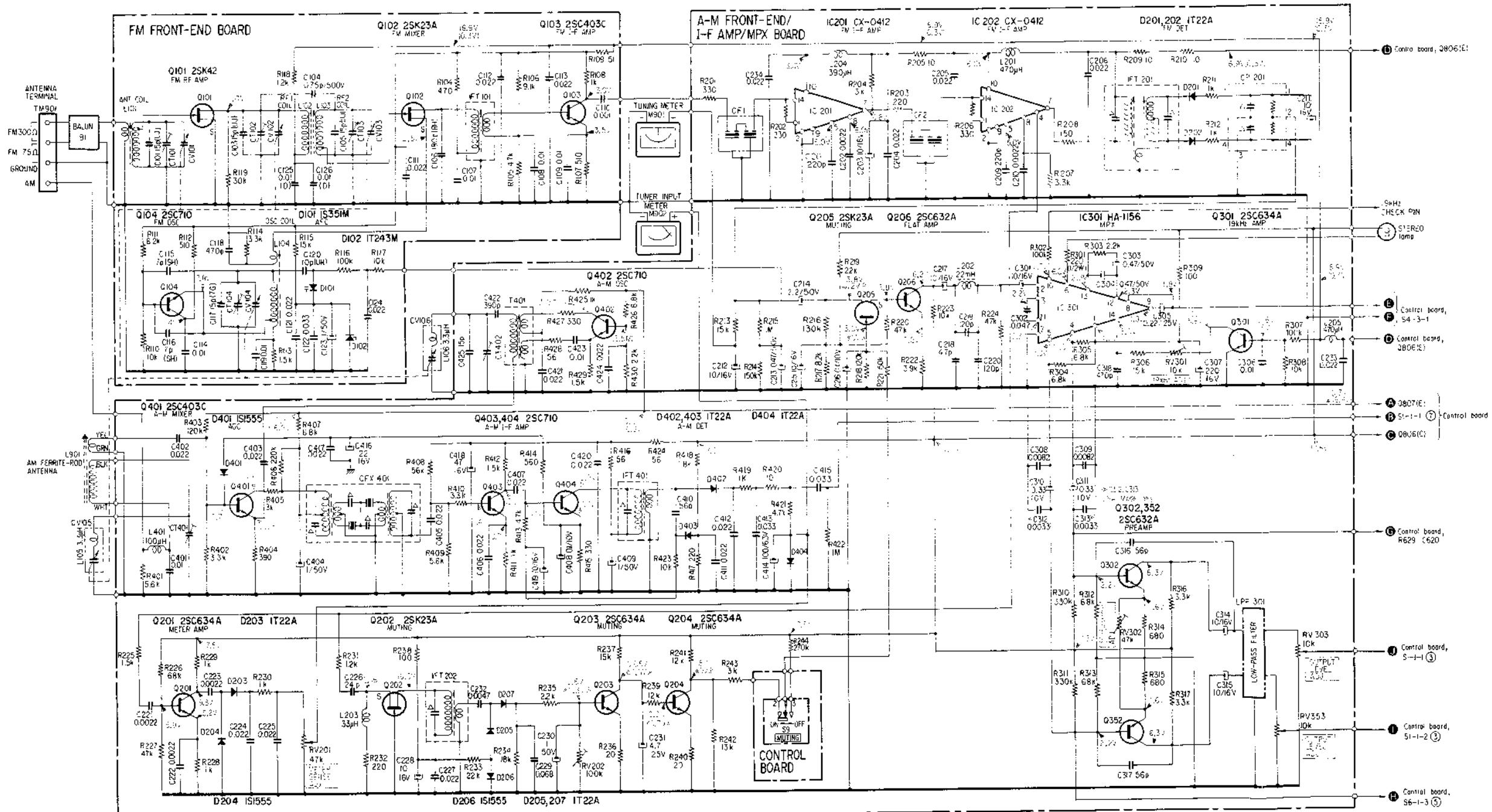
MUTING ON

Q D I C	D401 Q401 IC201	Q403 Q402 IC201	Q404 D402	D403 D404 IC202	D203 Q201 Q202	D204 Q301 D205 D207 D206	I C301 D202 D201	Q302	Q352 Q203 Q205	Q204 Q206
ADJ	CT401 CT402	T401	IFT401	RV201	RV301 IFT202	IFT201	RV202	RV302	RV353	RV303



STR-7065A **STR-7065A**

4.3. SCHEMATIC DIAGRAM – Tuner Section –



Note:

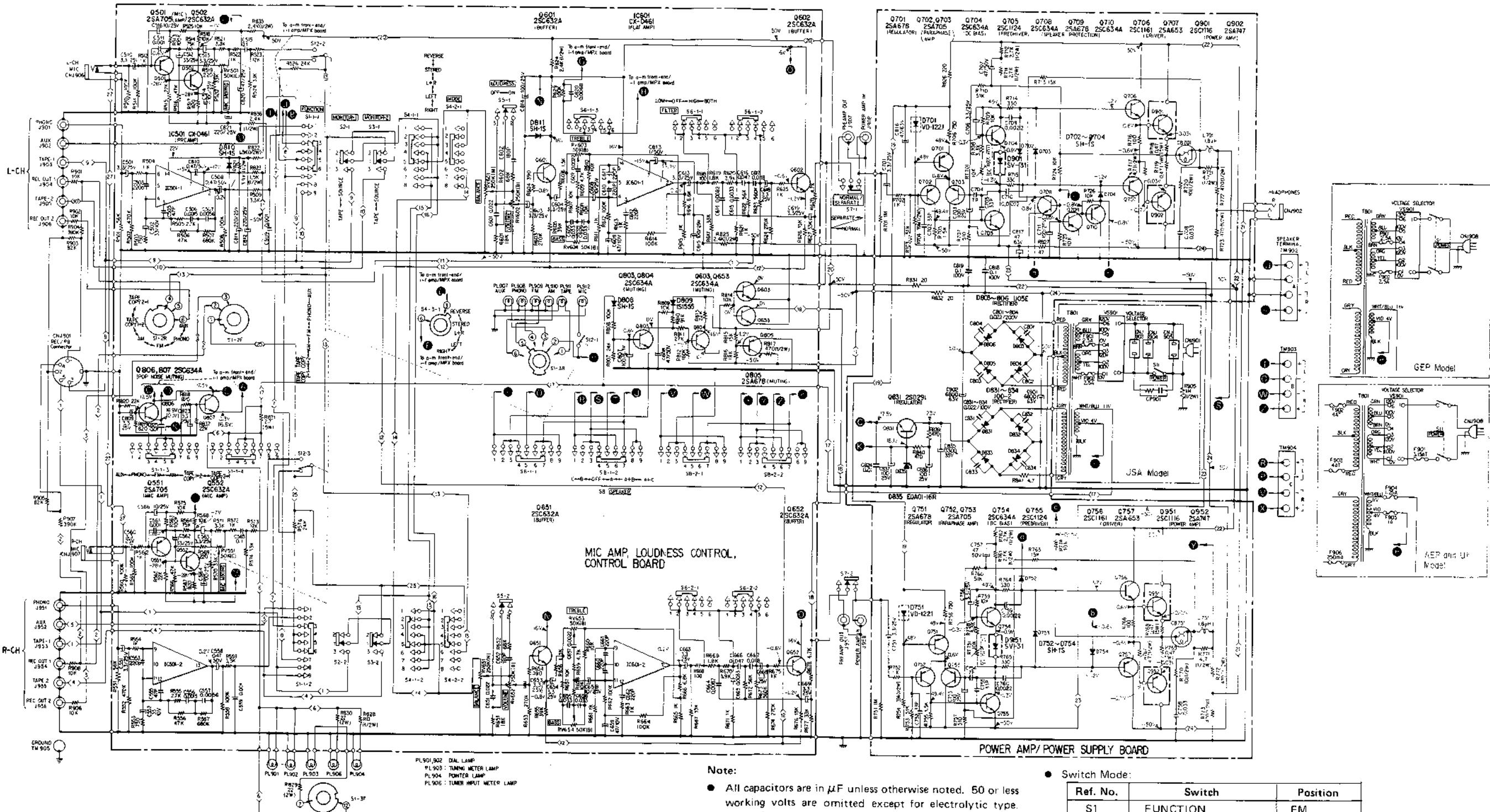
- All capacitors are in μF unless otherwise noted. 50 or less working volts are omitted except for electrolytic type.
 $p = \mu\mu\text{F}$
 - All resistors are in Ω , $\frac{1}{4}\text{W}$, unless otherwise noted.
 $k = 1,000 \text{ M} = 1,000 \text{ k}$.
 - \triangle indicates internal components.

- Voltages are DC with respect to ground unless otherwise noted. Readings taken under no-signal conditions with a VOM (20 k Ω /V).
! : AM, MUTING ON
 - Voltage variations may be noted due to normal production tolerances.
 - Switch Mode:

Ref. No.	Switch	Position
S9	MUTING	ON

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4.4. SCHEMATIC DIAGRAM—Audio Amplifier Section—



Not

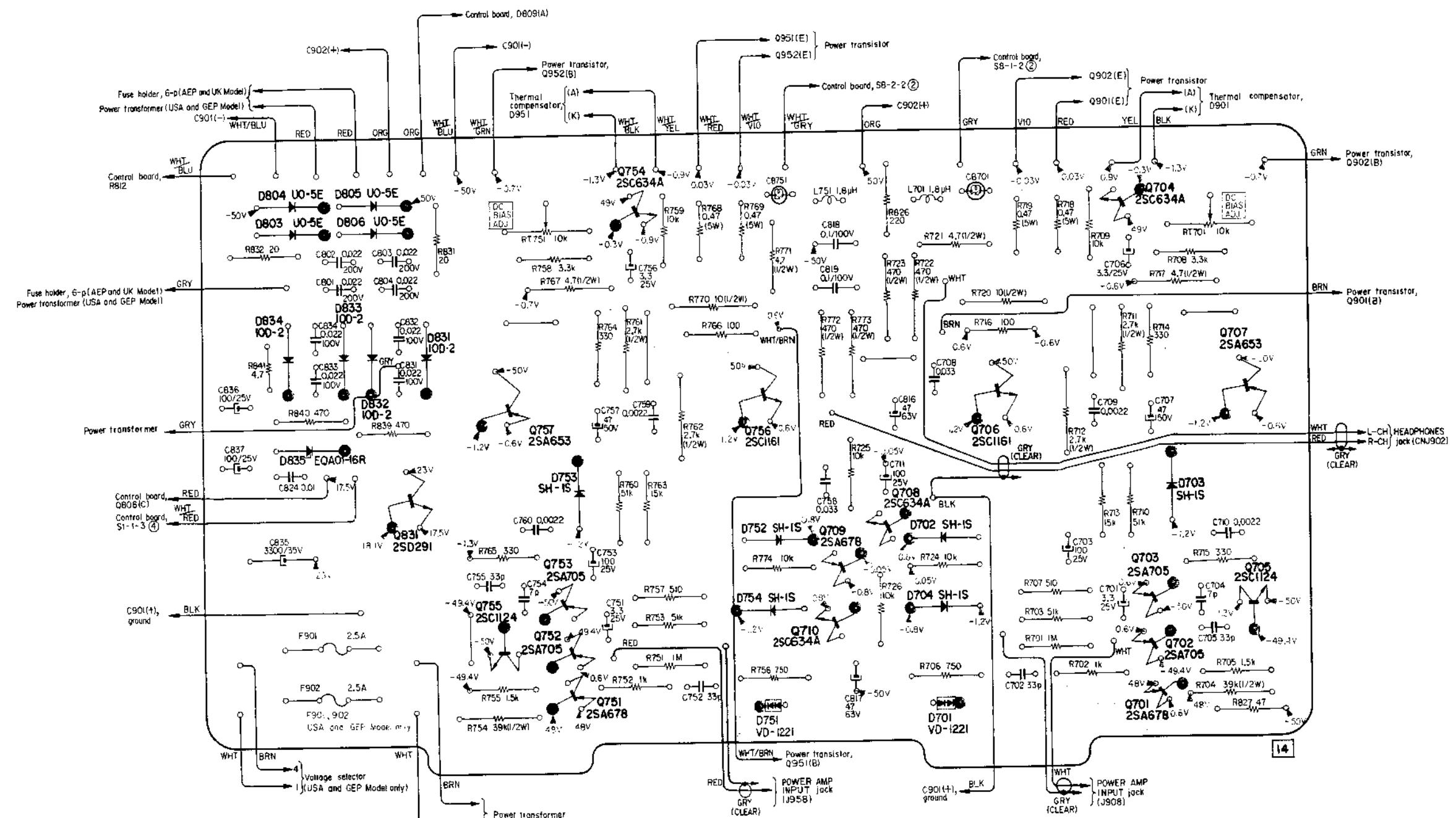
- All capacitors are in μF unless otherwise noted. 50 or less working volts are omitted except for electrolytic type
 $\text{p} = \mu\text{F}$
 - All resistors are in Ω , $\frac{1}{2}\text{W}$, unless otherwise noted
 $\text{k} = 1,000 \text{ M} = 1,000 \text{ k}$.
 -  indicates chassis ground.
 - Voltages are DC with respect to ground unless otherwise noted. Readings taken under no-signal conditions with a VOM ($20 \text{ k}\Omega/\text{V}$).
 (\quad) : AM
 - Voltage variations may be noted due to normal production tolerances.

Switch Mode		
Ref. No.	Switch	Position
S1	FUNCTION	FM
S2	MONITOR-1	SOURCE
S3	MONITOR-2	SOURCE
S4	MODE	STEREO
S5	LOUDNESS	ON
S6	FILTER	OFF
S7	NORMAL/SEPARATE	NORMAL
S8	SPEAKER	A
S11	POWER	OFF
S12	MIC MIXING	OFF

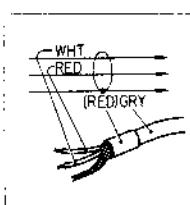
STR-7065A

4-5. MOUNTING DIAGRAM – Power Amplifier/Power Supply Board –

- Conductor Side -

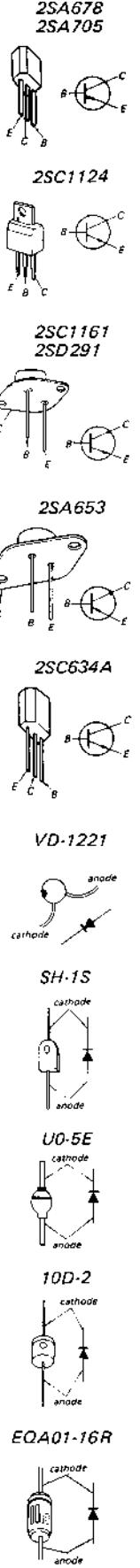


Semiconductor	Location	(USA and GEP Model only)									
		D804	D805		Q754					Q704	
Q		D803	D806								
		D834	D833 D832	D831	Q757	D753					
						Q756					
							D752	Q708	D702	Q706	
D		D835		Q831		Q753	D754	Q709	D704		D703
						Q752	D751	Q710	D701		Q702
					Q755	Q751					Q705
ADJ					RT751						RT701



- 21 -

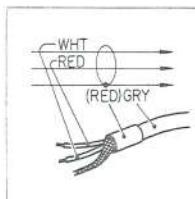
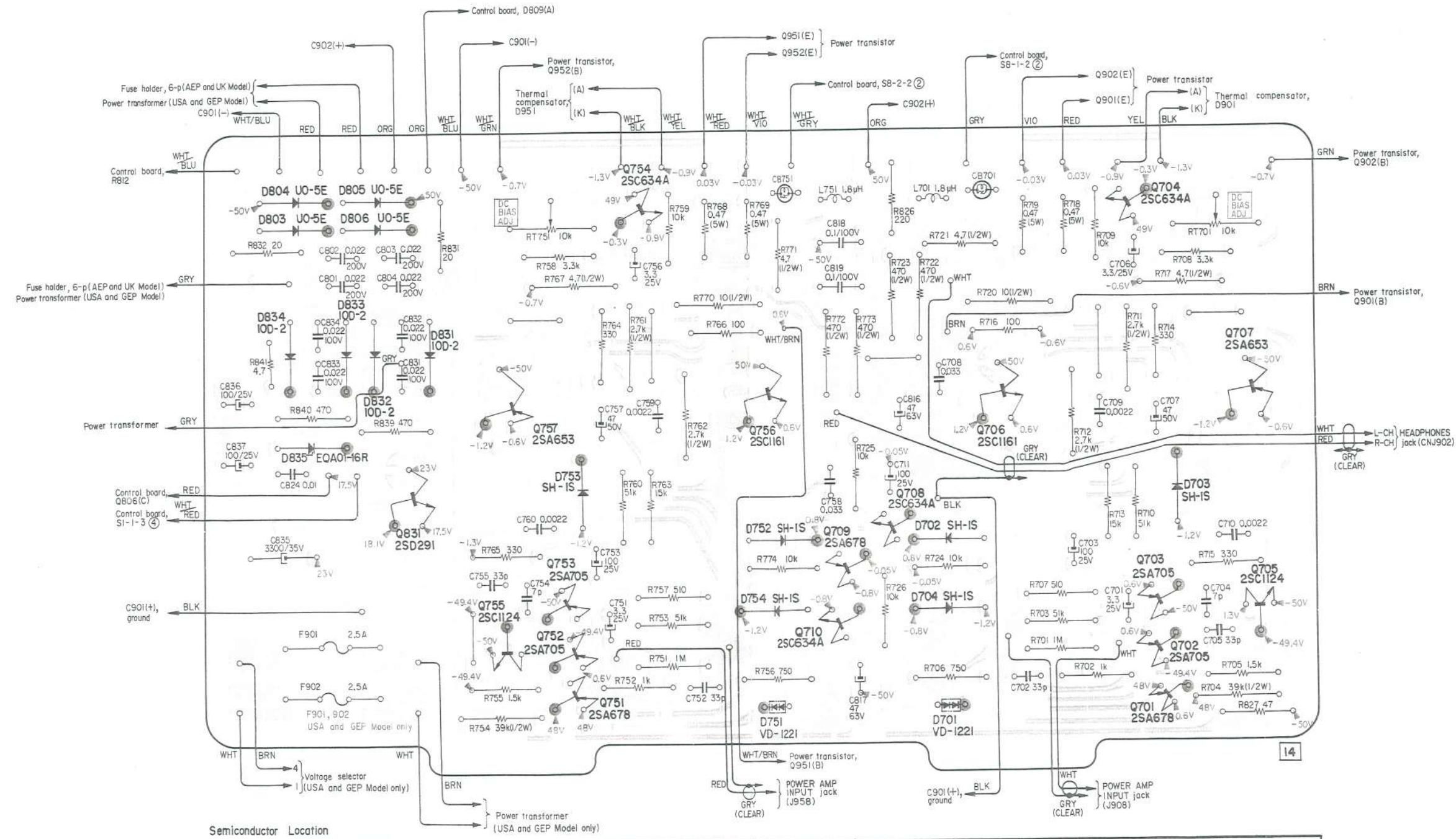
- 22 -



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4-5. MOUNTING DIAGRAM – Power Amplifier/Power Supply Board –

— Conductor Side —



-21-

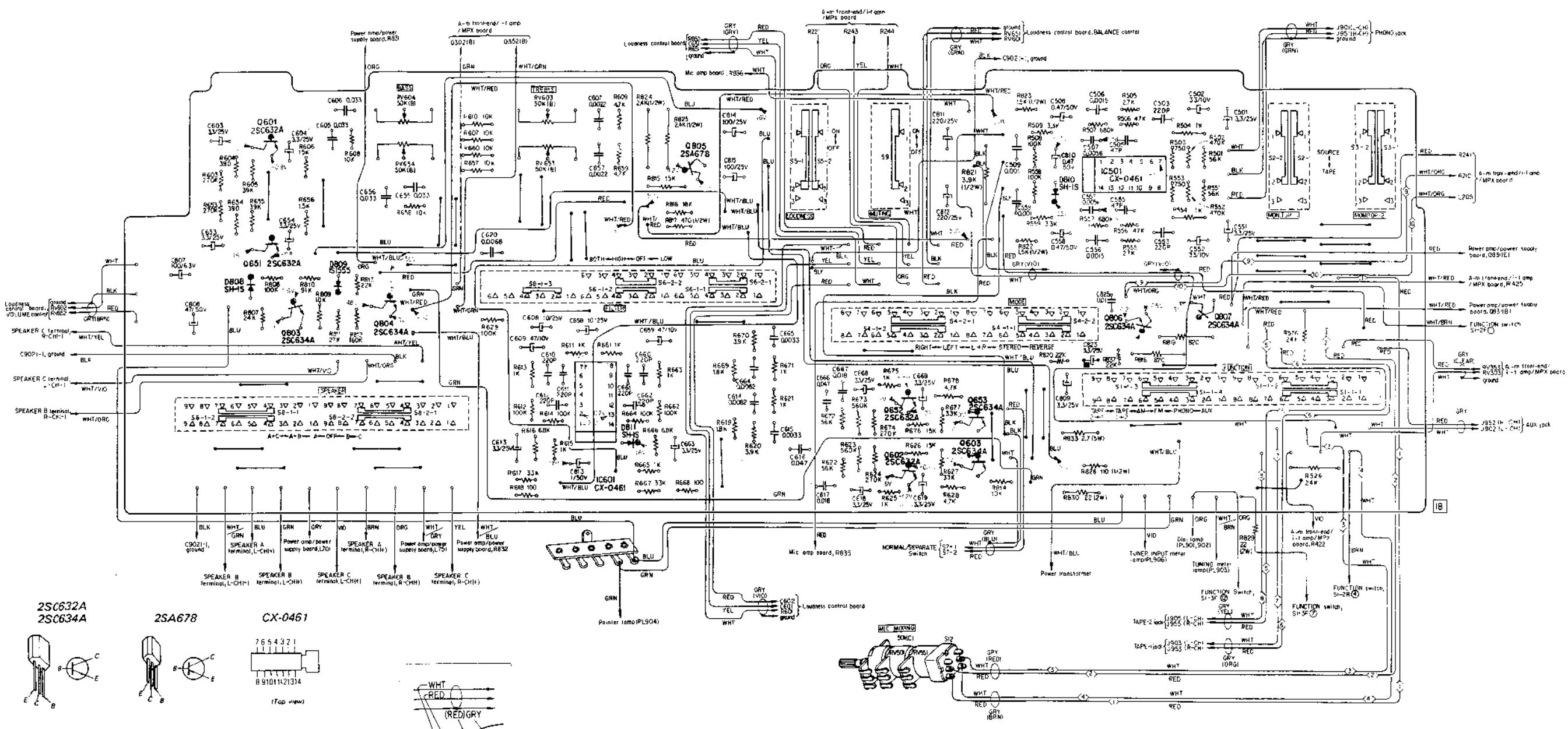
- 22 -

STR-7065A **STR-7065A**

4-6. MOUNTING DIAGRAM – Control Board –

- Conductor Side -

Semiconductor Location



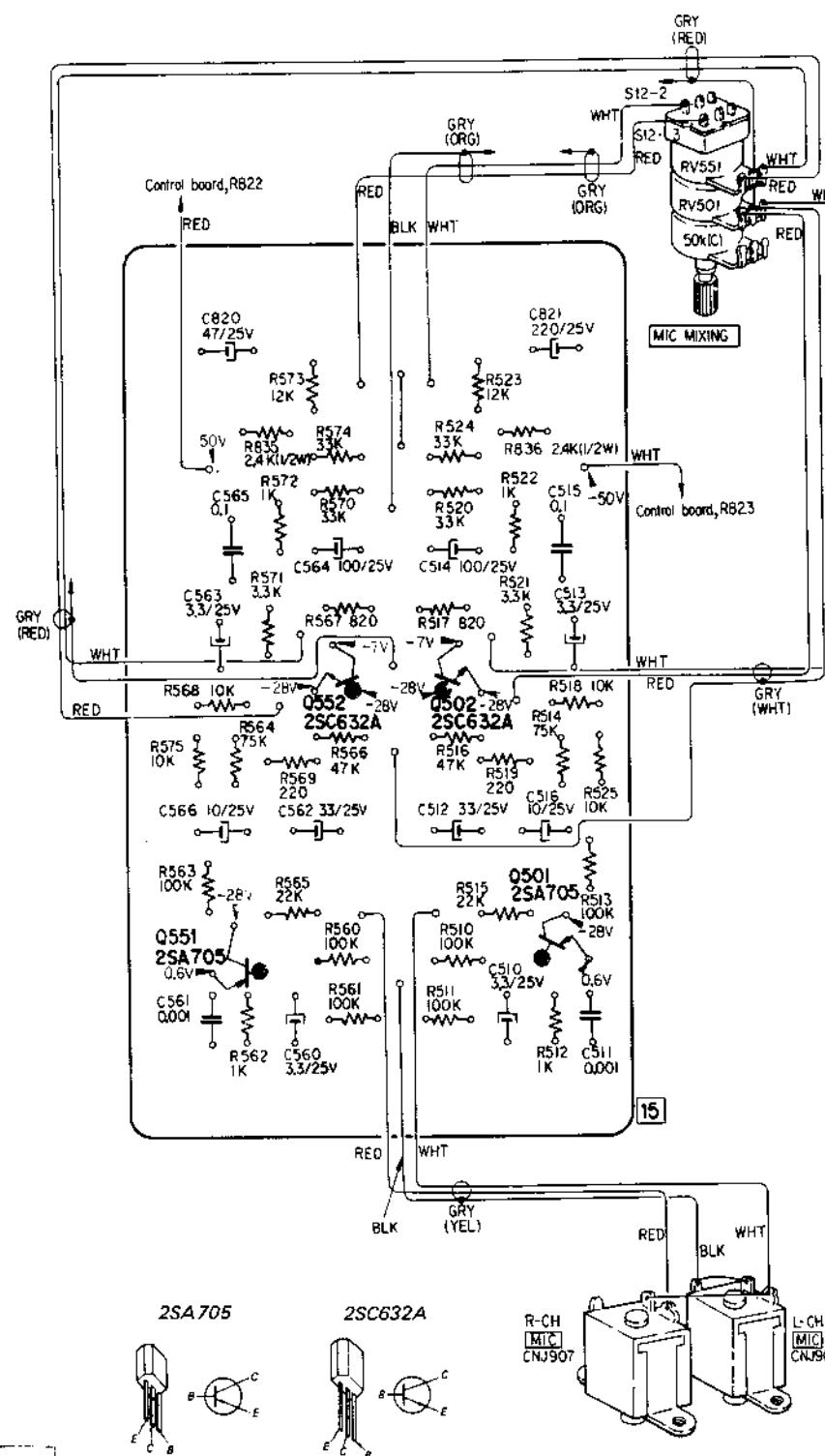
Note:

- — indicates parts on the conductor side.
 - ●— indicates lead wire connection on the conductor side.
 - ○— indicates lead wire connection through the component side.

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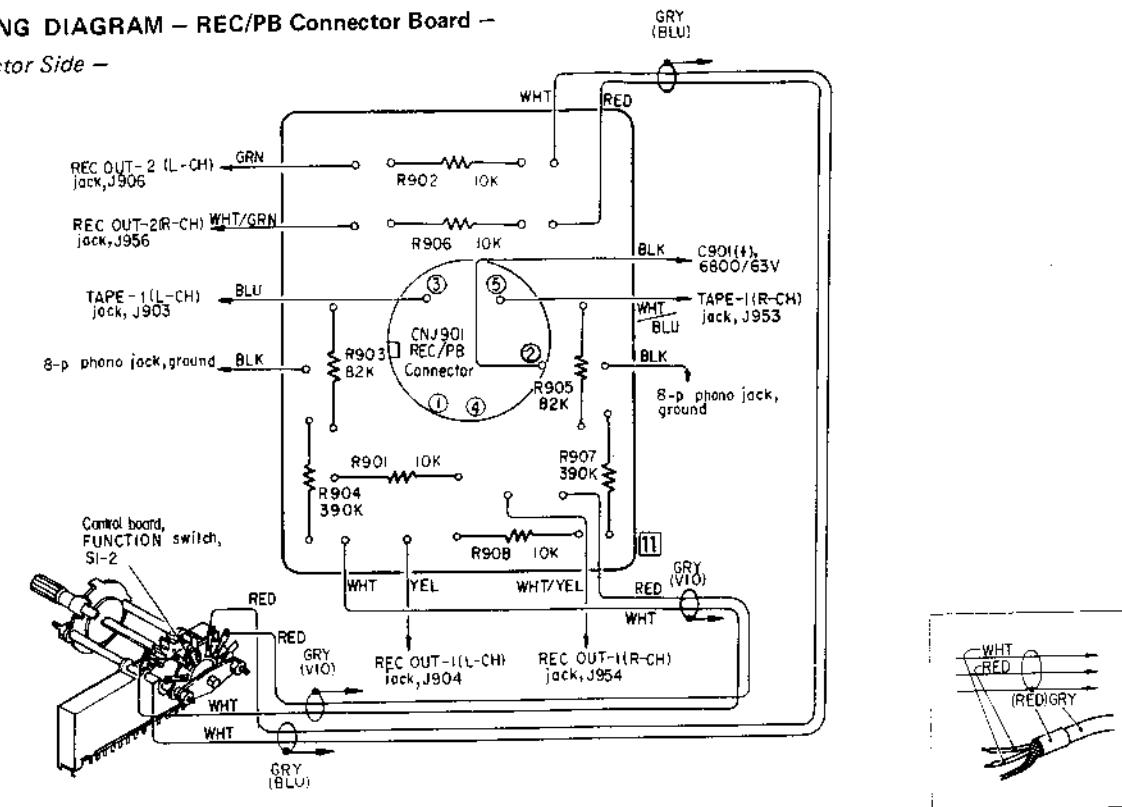
4-7. MOUNTING DIAGRAM – MIC Amp Board –

— Conductor Side —



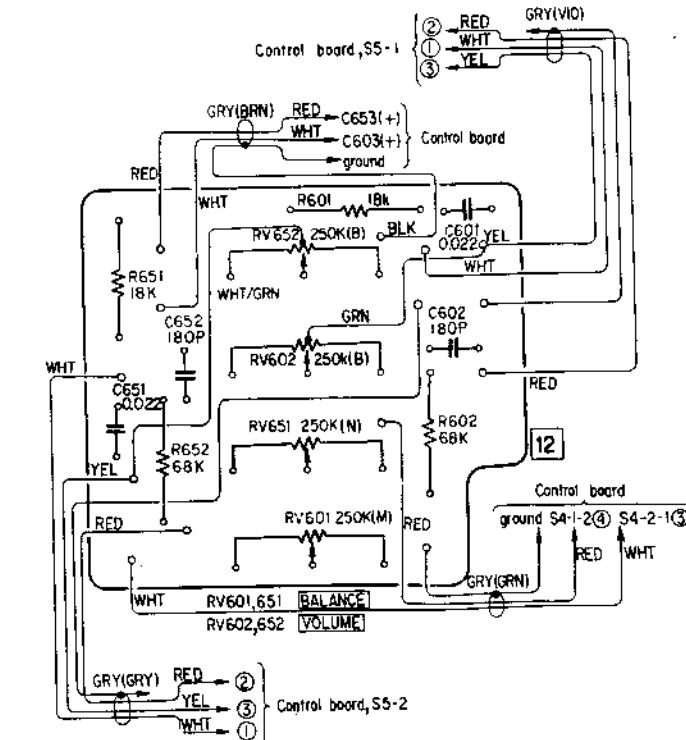
4-8. MOUNTING DIAGRAM – REC/PB Connector Board –

- Conductor Side -



4-9. MOUNTING DIAGRAM – Loudness Control Board –

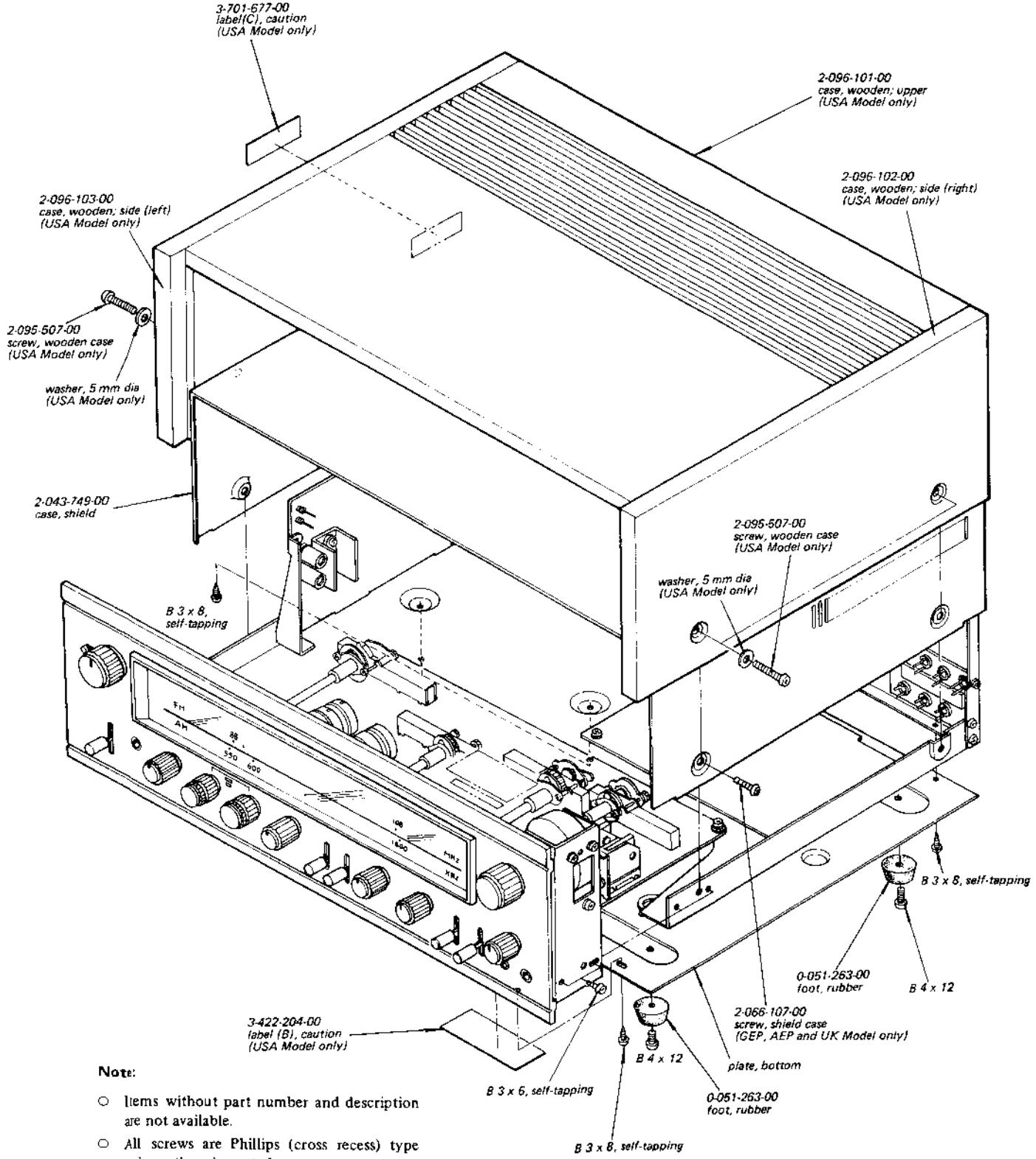
- Conductor Side -



SECTION 5

EXPLODED VIEWS

(1)

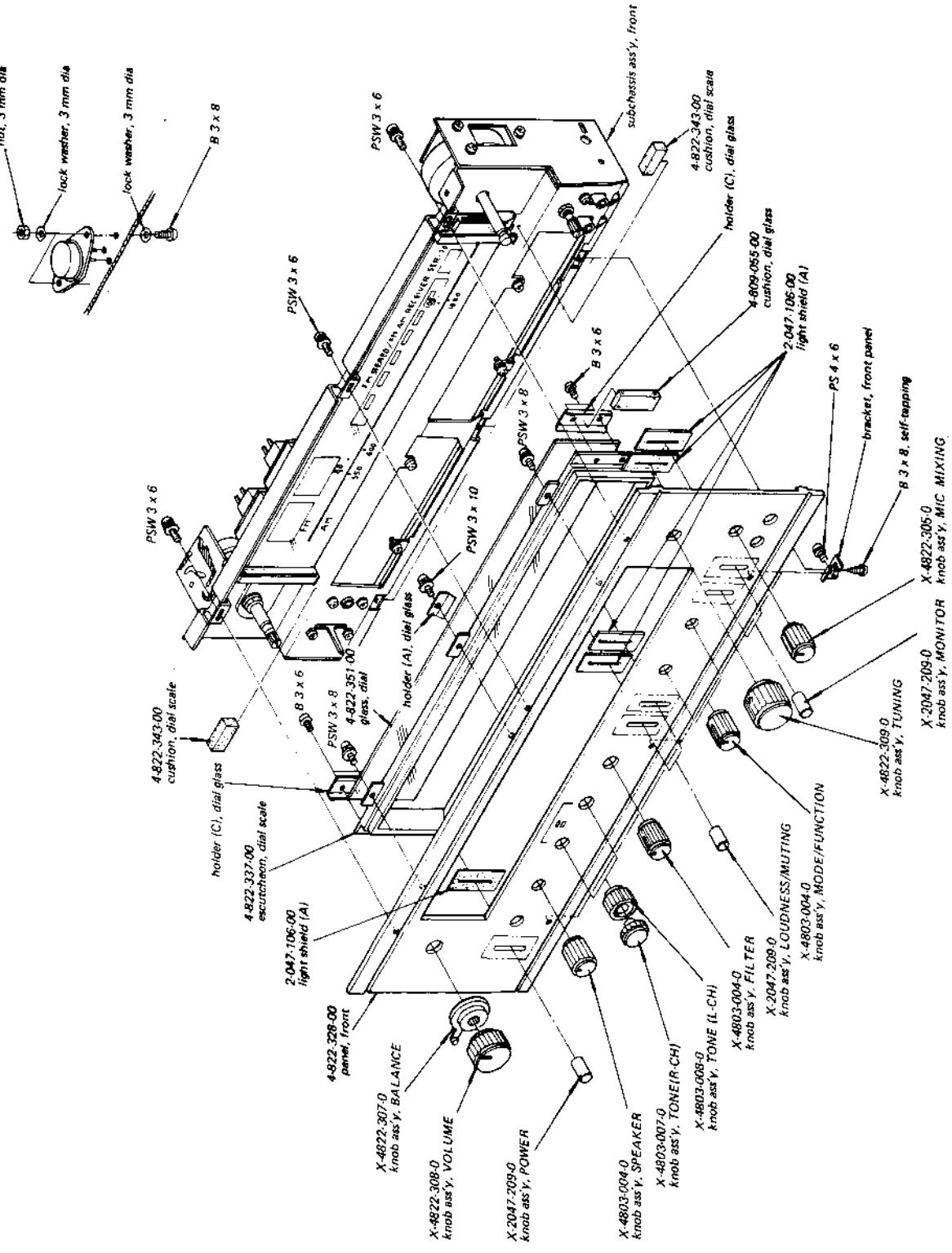


Note

- Items without part number and description are not available.
 - All screws are Phillips (cross recess) type unless otherwise noted.
(-) = slotted head

- 27 -

(2)

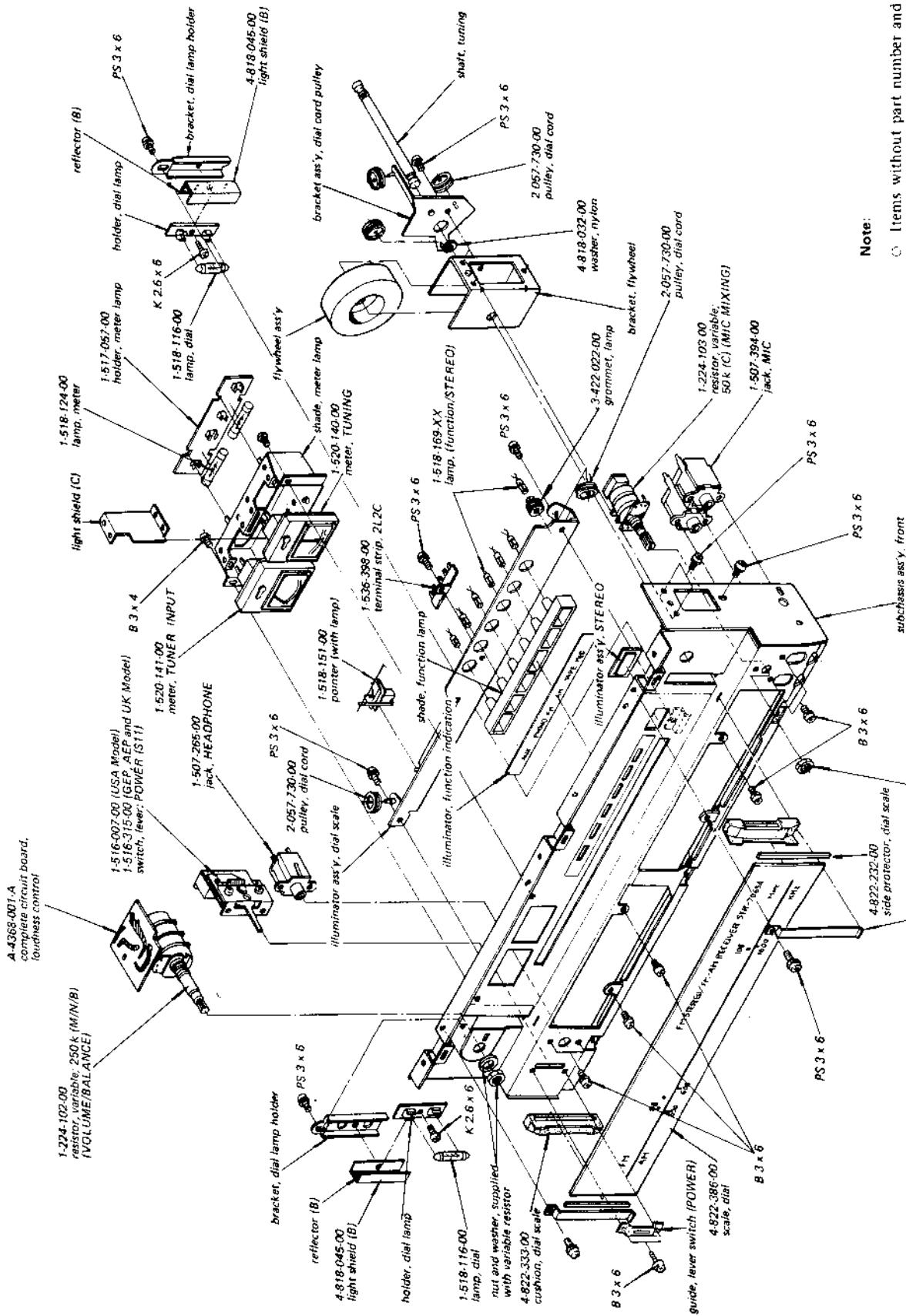


610

- Items without part number and description are not available.
 - All screws are Phillips (cross recess) type unless otherwise noted.
(-)= slotted head

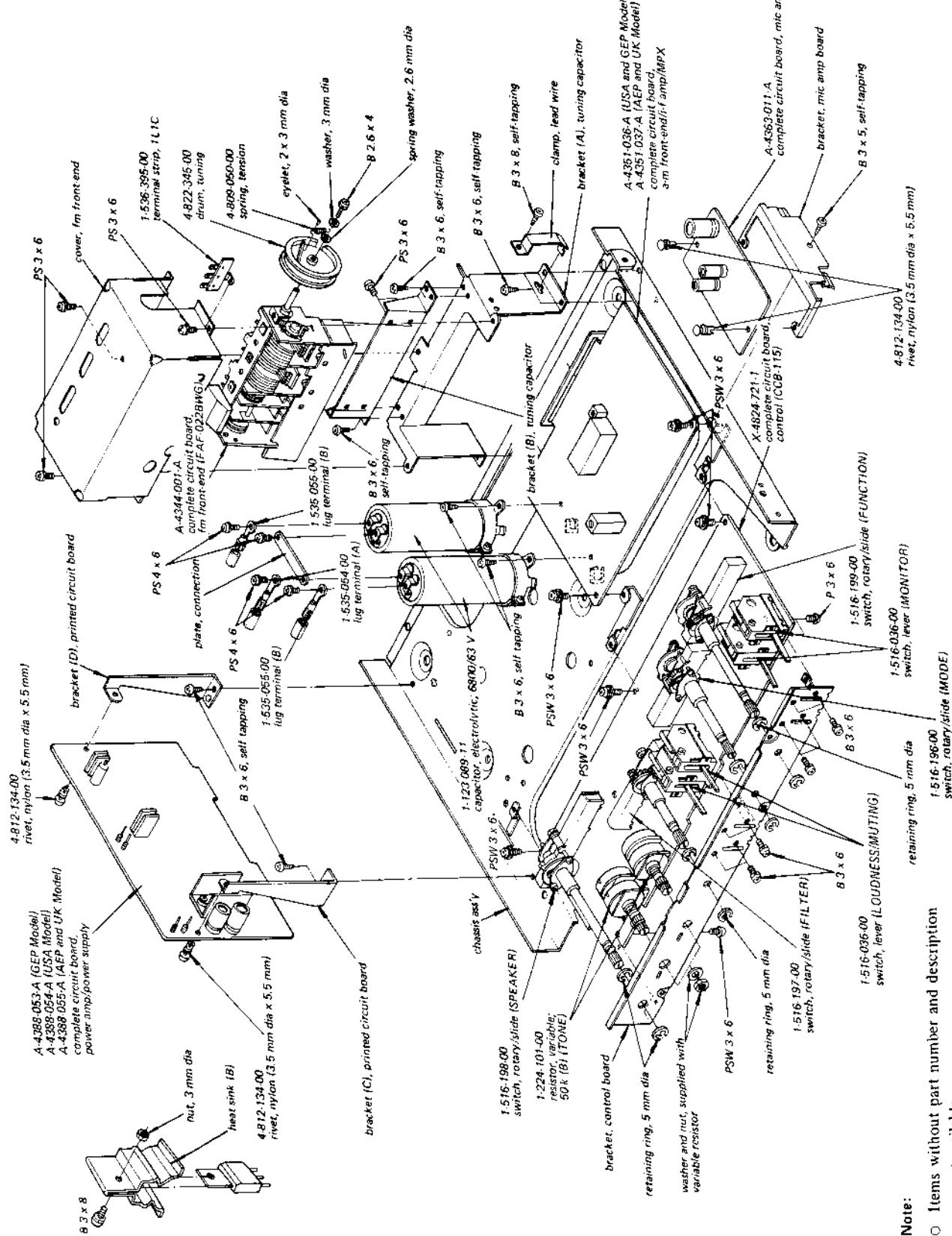
- 28 -

(3)



- 29 -

(4)



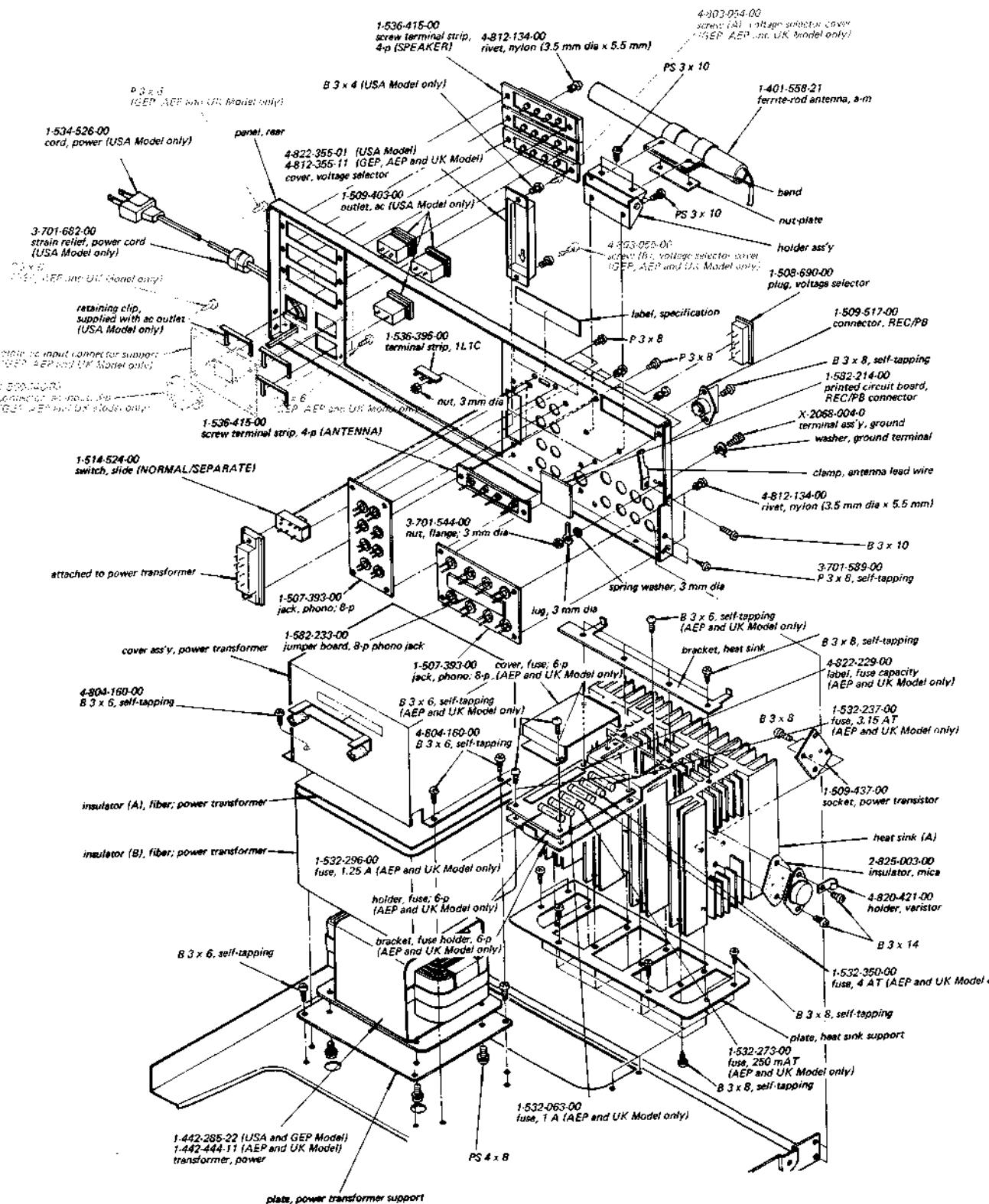
Note: ○ Items without part number and description

- All screws are Phillips (cross recess) type unless otherwise noted.
 (-) = slotted head

SECTION 6

ELECTRICAL PARTS LIST

(5)



Note:

- Items without part number and description are not available.
- All screws are Phillips (cross recess) type unless otherwise noted.
(-) = slotted head

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
CIRCUIT BOARDS					
A-4344-001-A	F-m Front-end (FAF-022BWG), complete		Q701 (751)	2SA678	
A-4351-036-A	A-m Front-end/I-f Amp/MPX, complete (USA, GEP Model)		Q702 (752)	2SA705	
A-4351-037-A	A-m Front-end/I-f Amp/MPX, complete (AEP, UK Model)		Q703 (753)	2SA705	
A-4363-011-A	MIC Amp, complete		Q704 (754)	2SC634A	
A-4368-001-A	Loudness Control, complete		Q705 (755)	2SC1124	
A-4388-053-A	Power Amp/Power Supply, complete (GEP Model)		Q706 (756)	2SC1161	
A-4388-054-A	Power Amp/Power Supply, complete (USA Model)		Q707 (757)	2SA653	
A-4388-055-A	Power Amp/Power Supply, complete (AEP, UK Model)		Q708	2SC634A	
X-4824-721-I	Control (CCB-115), complete		Q709	2SA678	
1.582-214-00	REC/PB Connector		Q710	2SC634A	
SEMICONDUCTORS					
Transistors					
Q101	2SK42 (FET)		IC201, 202	CX-0412	
Q102	2SK23A (FET)		IC301	HA-1156	
Q103	2SC403C		IC501	CX-0461	
Q104	2SC710		IC601	CX-0461	
Q201	2SC634A		D101	IS351M	
Q202	2SK23A (FET)		D102	1T243M	
Q203, 204	2SC634A		D201~203	1T22A	
Q205	2SK23A (FET)		D204	IS1555	
Q206	2SC632A		D205	1T22A	
Q301	2SC634A		D206	IS1555	
Q302 (352)	2SC632A		D207	1T22A	
Q401	2SC403C		D401	IS1555	
Q402~404	2SC710		D402~404	1T22A	
Q501 (551)	2SA705		D701 (751)	VD-1221	
Q502 (552)	2SC632A				
Q601 (651)	2SC632A				
Q602 (652)	2SC632A				
Q603 (653)	2SC634A				

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<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	
D702 (752)	SH-1S				CAPACITORS	C218	1-101-880-11	47 p	C415	1-105-679-12	0.033	
D703 (753)	SH-1S					C219, 220	1-102-816-11	120 p	C416	1-121-479-11	22	
D704 (754)	SH-1S				Capacitors here are in μF , ceramic type unless otherwise noted ($\text{p} = \mu\mu$, elect = electrolytic)	C221~223	1-101-919-11	0.0022			16 V	
D803~806	UO-5E				The working voltages of 50 volts or less are omitted except for electrolytic type.	C224, 225	1-101-924-11	0.022	C417	1-101-924-11	0.022	
D808	SH-1S					C226	1-102-960-11	24 p	C418	1-121-409-11	47	
D809	IS1555					C227	1-101-924-11	0.022	C419	1-121-651-11	10	
D810, 811	SH-1S		C101, 103	1-102-880-11	15 p	C228	1-121-651-11	10	C420, 421	1-101-924-11	0.022	
D831~834	10D-2		C104	1-102-064-11	0.75 p	500 V	C229	1-105-683-12	0.068	C422	1-103-715-11	390 p
D835	EQA01-16R		C105	1-102-880-11	15 p		C230	1-121-391-11	1		styrol	
			C106	1-102-848-11	180 p		C231	1-121-395-11	4.7			
D901 (951)	SV-31		C107~109	1-101-923-11	0.01		C232	1-105-509-12	0.0047			
							C233, 234	1-101-924-11	0.022			
		TRANSFORMERS, COILS AND INDUCTORS	C110	1-101-918-11	0.001							
B1	I-417-014-00	Balun	C111~113	1-101-924-11	0.022				C501 (551)	1-131-206-11	3.3	
CFX401	I-403-963-11	IFT, a-m (USA, GEP Model)	C114	1-101-923-11	0.01				C502 (552)	1-121-926-11	33	
	I-403-963-21	IFT, a-m (AEP, UK Model)	C115, 116	1-102-875-11	7 p				C503 (553)	1-102-978-11	220 p	
IFT101	I-403-295-00	IFT, fm	C117	1-102-894-11	15 p				C505 (555)	1-101-880-11	47 p	
IFT201	I-403-964-00	Transformer, discriminator	C118	1-102-114-11	470 p				C506 (556)	1-106-005-12	0.0015	
			C119	1-101-118-11	0.01							
IFT202	I-403-299-00	Coil, muting	C120	1-102-986-11	10 p				C507 (557)	1-106-019-12	0.0056	
IFT401	I-403-149-00	IFT, a-m	C121	1-101-924-11	0.022				C508 (558)	1-121-911-11	0.47	
L101	I-401-489-00	Coil, antenna	C122	1-105-679-12	0.033	mylar			C509 (559)	1-105-661-12	0.001	
L102	I-425-446-00	Coil, rfi	C123	1-121-391-11	1	50 V			C510 (560)	1-131-206-21	3.3	
L103	I-425-668-00	Coil, rf2	C124	1-101-924-11	0.022				C511 (561)	1-105-661-12	0.001	
			C125, 126	1-101-118-11	0.01							
L104	I-405-377-00	Coil, osc	C127, 128	1-101-924-11	0.022				C512 (562)	1-123-044-11	33	
L105, 106	I-407-184-00	Microinductor, 3.3 μH	C129	1-101-918-11	0.01				C513 (563)	1-121-913-11	3.3	
L201	I-407-177-00	Microinductor, 470 μH	C130	1-102-978-11	220 p				C514 (564)	1-121-416-11	100	
L202	I-407-418-00	Shielded Inductor, 22 mH	C131	1-101-919-11	0.0022				C515 (565)	1-105-685-12	0.1	
L203	I-407-163-00	Microinductor, 33 μH	C132	1-121-651-11	10	16 V			C516 (566)	1-121-398-11	10	
L204	I-407-176-00	Microinductor, 390 μH	C133	1-101-924-11	0.022							
L205	I-407-177-00	Microinductor, 470 μH	C134	1-102-978-11	220 p				C601 (651)	1-105-677-12	0.022	
L401	I-407-169-00	Microinductor, 100 μH	C135	1-101-919-11	0.0022				C602 (652)	1-107-137-11	180 p	
			C136, 137	1-101-884-11	56 p				C603 (653)	1-131-206-11	3.3	
L701 (751)	I-407-592-00	Microinductor, 1.8 μH	C138	1-103-717-11	470 p				C604 (654)	1-121-392-11	3.3	
L901	I-401-558-21	Ferrite-rod Antenna, a-m	C139	1-101-919-11	0.0022				C605 (655)	1-105-679-12	0.033	
T401	I-405-459-00	Coil, a-m osc	C140	1-101-919-11	0.0022							
T801	I-442-285-22	Transformer, power (USA, GEP Model)	C141	1-121-651-11	10	16 V			C606 (656)	1-105-679-12	0.033	
	I-442-444-11	Transformer, power (AEP, UK Model)	C142	1-127-019-11	0.1	10 V			C607 (657)	1-105-665-12	0.0022	
			C143	1-101-924-11	0.022				C608 (658)	1-121-398-11	10	
			C144	1-105-679-12	0.033				C609 (659)	1-121-352-11	47	
			C145	1-121-413-11	100	6.3 V			C610 (660)	1-102-978-11	220 p	
			C146	1-105-677-12	0.022							
			C147	1-105-679-12	0.033				C611 (661)	1-102-978-11	220 p	
			C148	1-105-679-12	0.022				C612 (662)	1-102-978-11	220 p	
			C149	1-105-679-12	0.033				C613 (663)	1-121-202-11	3.3	
			C150	1-105-679-12	0.022							

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>			<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>		
C614 (664)	1-106-023-11	0.0082		mylar			RESISTORS		
C615 (665)	1-106-013-12	0.0033		mylar			All resistors are in Ω . $\frac{1}{4}$ W, $\pm 5\%$, carbon resistors (except special type) are omitted.		
C616 (666)	1-106-041-12	0.047		mylar			Check schematic diagram for the resistance values. ($k = 1000$, $M = 1000k$)		
C617 (667)	1-106-031-12	0.018		mylar			R301	1-202-557-11	220
C618 (668)	1-121-392-11	3.3	25 V	elect			R704 (754)	1-211-676-11	39 k
C619 (669)	1-121-392-11	3.3	25 V	elect			R711 (761)	1-202-583-11	2.7 k
C620	1-105-671-12	0.0068		mylar			R712 (762)	1-202-583-11	2.7 k
C701 (751)	1-121-392-11	3.3	25 V	elect			R714 (764)	1-211-534-11	330
C702 (752)	1-102-963-11	33 p					R715 (765)	1-211-534-11	330
C703 (753)	1-121-935-11	100	25 V	elect			R716 (766)	1-211-522-11	100
C704 (754)	1-102-944-11	7 p					R717 (767)	1-211-582-11	4.7
C705 (755)	1-102-963-11	33 p					R718 (768)	1-217-158-11	0.47
C706 (756)	1-121-392-11	3.3	25 V	elect			R719 (769)	1-217-158-11	0.47
C707 (757)	1-123-058-11	47	50 V	elect			R720 (770)	1-202-525-11	10
C708 (758)	1-105-679-12	0.033		mylar			R721 (771)	1-202-517-11	4.7
C709 (759)	1-105-665-12	0.0022		mylar			R722 (772)	1-202-565-11	470
C710 (760)	1-105-665-12	0.0022		mylar			R723 (773)	1-202-565-11	470
C711	1-121-935-11	100	25 V	elect			R817	1-202-565-11	470
C801~804	1-105-917-12	0.022	200 V	mylar			R821	1-202-587-11	3.9 k
C807	1-121-413-11	100	6.3 V	elect			R822, 823	1-202-577-11	1.5 k
C808	1-121-411-11	47	50 V	elect			R824, 825	1-202-582-11	2.4 k
C809	1-121-392-11	3.3	25 V	elect			R826	1-211-530-11	220
C810	1-121-726-11	0.47	50 V	elect			R827	1-211-514-11	47
C811, 812	1-121-936-11	220	25 V	elect			R828	1-202-550-11	110
C814, 815	1-121-935-11	100	25 V	elect			R829, 830	1-207-630-11	22
C816, 817	1-123-090-11	47	63 V	elect			R831, 832	1-211-505-11	20
C818, 819	1-105-725-12	0.1	100 V	mylar			R833	1-207-929-11	2.7
C820	1-121-410-11	47	25 V	elect			R835, 836	1-202-582-11	2.4 k
C821	1-121-936-11	220	25 V	elect			R841	1-211-490-11	4.7
C823	1-121-392-11	3.3	25 V	elect					
C824	1-105-673-12	0.01		mylar					
C825	1-101-923-11	0.01							
C831~834	1-105-717-12	0.022	100 V	mylar					
C835	1-123-118-11	3300	35 V	elect					
C836, 837	1-121-935-11	100	25 V	elect					
C901, 902	1-123-089-11	6,800	63 V	elect					
CT401, 402	1-141-147-00			trimmer					

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<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>
R905	1-202-719-11	1 M $\frac{1}{2}$ W composition (USA Model only)
RT701(751)	1-221-967-00	10 k, adjustable
RV201	1-222-765-00	47 k, adjustable
RV202	1-222-766-00	100 k, adjustable
RV301	1-222-752-00	10 k, adjustable
RV302	1-222-765-00	47 k, adjustable
RV303(353)	1-222-752-00	10 k, adjustable
RV501(551)	1-224-103-00	50 k(C), variable (MIC MIX)
RV601(651)	1-224-102-00	250 k(M/N), variable (BALANCE)
RV602(652)	1-224-102-00	250 k(B), variable (VOLUME)
RV603(653)	1-224-101-00	50 k(B), variable (TREBLE)
RV604(654)	1-224-101-00	50 k(B), variable (BASS)
SWITCHES		
S1	1-516-199-00	Rotary/Slide (FUNCTION)
S2, 3	1-516-036-00	Lever/Slide (MONITOR)
S4	1-516-196-00	Rotary/Slide (MODE)
S5	1-516-036-00	Lever/Slide (LOUDNESS)
S6	1-516-197-00	Rotary/Slide (FILTER)
S7	1-514-524-00	Slide (NORMAL/SEPARATE)
S8	1-516-198-00	Rotary/Slide (SPEAKER)
S9	1-516-036-00	Lever/Slide (FM MUTING)
S11	1-516-007-00	Lever (POWER) (USA Model)
	1-516-315-00	Lever (POWER) (AEP, GEP, UK Model)
S12		— built in RV501 (551) —
FILTERS		
CF1, 2	1-527-240-00	Fm I-f, ceramic
LPF301	1-231-219-00	Low-pass
LAMPS		
PL901, 902	1-518-116-00	Dial, 11 V 360 mA
PL903	1-518-124-00	TUNING Meter, 8 V 250 mA
PL904	1-518-151-00	Pointer (with lamp), 5 V 60 mA
PL905	1-518-169-XX	STEREO, 4.5 V 40 mA
PL906	1-518-124-00	TUNER INPUT Meter, 8 V 250 mA
PL907~912	1-518-169-XX	FUNCTION 4.5 V 40 mA

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>
FUSES		
F901	1-532-237-00	3.15 AT (AEP, UK Model)
	1-532-252-00	2.5 A (GEP Model)
	1-532-269-00	2.5 A (USA Model)
F902	1-532-252-00	2.5 A (GEP Model)
	1-532-269-00	2.5 A (USA Model)
	1-532-350-00	4.0 AT (AEP, UK Model)
F903	1-532-350-00	4.0 AT (AEP, UK Model only)
F904	1-532-296-00	1.25 A (AEP, UK Model only)
F905	1-532-063-00	1.0 A (AEP, UK Model only)
F906	1-532-273-00	0.25 A (AEP, UK Model only)
MISCELLANEOUS		
CB701(751)	1-515-194-00	Breaker, circuit
CNJ902	1-507-265-00	Jack, HEADPHONE
CNJ903	1-509-403-00	Outlet, ac (USA Model only)
~905		
CNJ906, 907	1-507-394-00	Jack, MIC
CP201	1-231-278-00	Encapsulated Component
CP901	1-231-057-00	Encapsulated Component (USA Model only)
J901~908 (J951~958)	1-507-393-00	Jack, phono; 8-p
M901	1-520-140-00	Meter, TUNING
M902	1-520-141-00	Meter, TUNER INPUT
TM901	1-536-415-00	Screw Terminal Strip, 4-p (SPEAKER/ANTENNA)
~904		
	1-508-690-00	Plug, voltage selector
	1-509-437-00	Socket, power transistor
	1-509-517-00	Connector, REC/PB
	1-509-546-00	Connector, ac input; 3-p (AEP, GEP, UK Model only)
	1-517-057-00	Holder, meter lamp; 2-p
	1-533-090-00	Holder, dial lamp
	1-534-526-00	Cord, power (USA Model only)
	1-535-054-00	Lug Terminal (A)
	1-535-055-00	Lug Terminal (B)
	1-536-395-00	Terminal Strip, 1 L 1 (C)
	1-536-398-00	Terminal Strip, 2 L 2 (C)
	1-536-430-00	Terminal Strip
	1-582-233-00	Jumper Board, 8-p phono jack

ACCESSORIES AND PACKING MATERIALS

<u>Part No.</u>	<u>Description</u>
X-3701-029-0	Card Ass'y, warranty (USA Model only)
X-4490-002-0	Cloth Ass'y, polishing
1-501-083-21	Ribbon Antenna, fm
1-506-138-11	Plug, phono (red)
1-506-138-12	Plug, phono (white)
3-429-126-00	Bag, polyethylene; unit
3-701-020-00	Bag, polyethylene; instruction manual
3-701-622-00	Bag, polyethylene; warranty card (UK Model only)
3-701-730-00	Bag, polyethylene; IBM card (USA Model only)
3-701-742-00	Card, IBM (USA Model only)
3-780-670-11	Manual, instruction (AEP, GEP, UK Model)
3-780-670-21	Manual, instruction (USA Model)
3-793-520-00	Card, warranty (UK Model only)
3-793-831-11	Diagram, schematic (AEP, GEP, UK Model)
3-793-831-21	Diagram, schematic (USA Model)
4-822-390-00	Carton (AEP, GEP, UK Model)
4-822-391-00	Carton (USA Model)
4-822-392-00	Cushion