

STR-242L

AEP Model
UK Model



FM-AM PROGRAM RECEIVER

SPECIFICATIONS


FM tuner section

Tuning range	87.5–108 MHz
Antenna terminals	300 ohm balanced 75 ohm unbalanced
Intermediate frequency	10.7 MHz
Sensitivity at 46 dB quieting (at 40 kHz deviation)	4.0 μ V (mono), 45 μ V (stereo)
Usable sensitivity	IHF 1.8 μ V, 10.3 dBf 1.6 μ V (S/N = 26 dB, 40 kHz deviation)
Signal-to-noise ratio	69 dB (mono), 64 dB (stereo)
Harmonic distortion	0.2% (mono), 0.3% (stereo), at 1 kHz
IM distortion	0.2% (mono), 0.3% (stereo)
Separation	45 dB at 1 kHz
Frequency response	40 Hz–12.5 kHz $^{+0.5}_{-1}$ dB
Selectivity at 300 kHz (at 40 kHz deviation, S/N = 26 dB)	40 dB
Capture ratio	1.5 dB
AM suppression ratio	48 dB
Image response ratio	45 dB
Spurious response ratio	70 dB
Muting threshold	Approx. 5 μ V

MW/LW tuner section

	MW	LW
Tuning range	522 kHz–1,602 kHz	150 kHz–350 kHz
Antenna	Built-in ferrite rod antenna, External antenna terminal	
Intermediate frequency	450 kHz	
Usable sensitivity	250 μ V/m, built-in antenna (1,000 kHz) 100 μ V, external antenna (1,000 kHz)	500 μ V/m, built-in antenna (230 kHz) 100 μ V, external antenna (230 kHz)
Signal-to-noise ratio	52 dB (50 mV/m)	52 dB (50 mV/m)
Harmonic distortion	0.3% (50 mV/m, 400 Hz)	0.3% (50 mV/m, 400 Hz)
Selectivity	35 dB (9 kHz)	35 dB (9 kHz)

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

– Continued on page 2 –

SONY®

SERVICE MANUAL

Amplifier section

Continuous RMS power output (less than 0.08% THD, both channels driven simultaneously)

- at 20 Hz–20 kHz
22 + 22 watts (8 ohms)
- at 1 kHz
25 + 25 watts (8 ohms)
- according to DIN 45500
22 + 22 watts (8 ohms)

Dynamic power output (IHF constant power supply method)
65 watts (8 ohms)

Power bandwidth (IHF)

15 Hz–35 kHz

Damping factor 30 at 1kHz, 8 ohms

Harmonic distortion Less than 0.08% at rated output

Less than 0.05% at 1 W output

Intermodulation (IM) distortion (60 Hz : 7 kHz = 4:1)

Less than 0.08% at rated output

Less than 0.05% at 1 W output

Residual noise Less than 0.05 μW at 8 ohms

Inputs

	Sensitivity	Impedance	S/N	Weighting network
PHONO	2.5 mV	50 kilohms	75 dB	A
TAPE	150 mV	50 kilohms	90 dB	A

Measured with rated output power into 8 ohm loads (both channels driven simultaneously) at 1kHz.

Outputs (with rated input)

REC OUT	Voltage 150 mV	Impedance 10 k ohms
HEADPHONES	Accepts all low or high impedance headphones.	
SPEAKER	8–16 ohm speakers are suitable.	

Frequency response PHONO

RIAA equalization curve ±0.5 dB

TAPE

10 Hz–50 kHz ± 0.3 dB

Tone controls BASS ±8 dB at 100 Hz

TREBLE ±8 dB at 10 kHz

Loudness control (att. 30 dB)

+8 dB at 100 Hz

General

System

Superheterodyne FM/AM tuner, Direct coupled quasi-complementary symmetry power amplifier circuit (SEPP OTL)

Power requirements

UK model: 240 V ac (or 220 V ac adjustable by authorized Sony personnel), 50 Hz
AEP model: 220 V ac (or 240 V ac adjustable by authorized Sony personnel), 50 Hz

Power consumption

UK model: 140 W

AEP model: 120 W

AC outlets

Two unswitched, total 200 W (provided only for the UK model)

Dimensions

Approx. 430 × 110 × 315 mm (w/h/d)
(17 × 4 1/4 × 12 3/8 inches)

Weight

incl. projecting parts and controls

Approx. 6.2 kg (13 lb 11 oz) net

Approx. 7.7 kg (17 lb) in shipping carton

SPECIFICATIONS

Frequency response	PHONO	RIAA equalization curve ±0.5 dB
	TAPE	10 Hz–50 kHz ± 0.3 dB
Tone controls	BASS	±8 dB at 100 Hz
	TREBLE	±8 dB at 10 kHz
Loudness control (att.)	30 dB	+8 dB at 100 Hz
Inputs	PHONO	2.5 mV, 50 kilohms, 75 dB, A
	TAPE	150 mV, 50 kilohms, 90 dB, A
Outputs	REC OUT	150 mV, 10 k ohms
	HEADPHONES	Accepts all low or high impedance headphones.
	SPEAKER	8–16 ohm speakers are suitable.

Continued on page 2



SAFETY-RELATED COMPONENT WARNING!
COMPONENTS IDENTIFIED BY SHADING AND MARK
▲ ON THE SCHEMATIC DIAGRAMS, EXPLODED
VIEWS AND IN THE PARTS LIST ARE CRITICAL TO
SAFE OPERATION. REPLACE THESE COMPONENTS
WITH SONY PARTS WHOSE PART NUMBERS APPEAR
AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS
PUBLISHED BY SONY.

SERVICING NOTE

MELF (Metal Electrodes Face-Bonding) Components

Warning

If MELF components are forcibly removed from the printed circuit board with pincers or pliers, the circuit board pattern is likely to peel away. Always remove MELF components according to the procedure described on the next page. Replace MELF components with the lead type components.

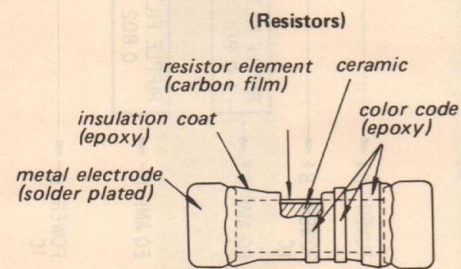
MELF components are soldered directly to the surface of the printed circuit board.

MELF resistors and capacitors have the same dimensions and are distinguished by their background colors: light brown for resistors, and pink or light green for capacitors.

The MELF resistor color coding is the same as for conventional resistors, and MELF capacitor color coding is the same as for tube-type ceramic capacitors. Note, however, that all MELF resistors are rated at 1/4W and ±5%.

Components larger than resistors and without a color code are cross conductors, which are used instead of jumper wires.

1. Structure



(Capacitors)

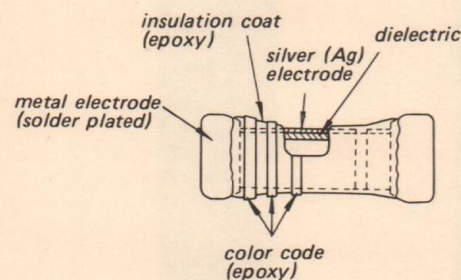
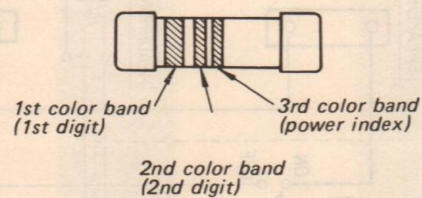
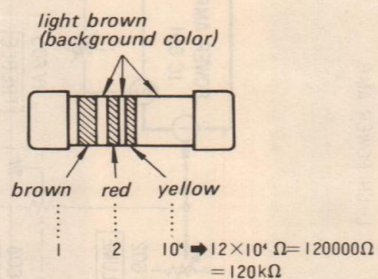


Fig. 1

2. Color Code Reading



(Example of Resistor)



(Example of Capacitor)

background color { pink 25 V voltage resistance
light green 50 V voltage resistance

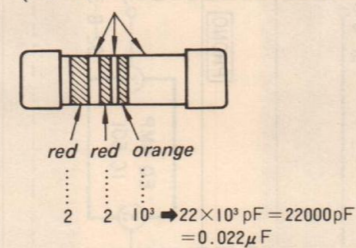


Fig. 2

3. How to Remove MELF Components and Mount Replacements

Use a soldering iron of at least 40W with an iron tip 4 mm in diameter and file the tip down to the angle shown in the diagram.

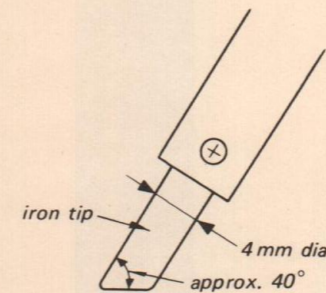


Fig. 3

1. Bring the flat surface of the soldering iron in equal contact with both soldered ends of the component.
2. The solder should melt in about 4 seconds. (The solder will melt more readily if a small amount of solder is attached to the iron tip and the iron tip is placed against the component.)
3. Once the solder has melted, tap the component aside with the tip of the soldering iron, and remove it from the board.

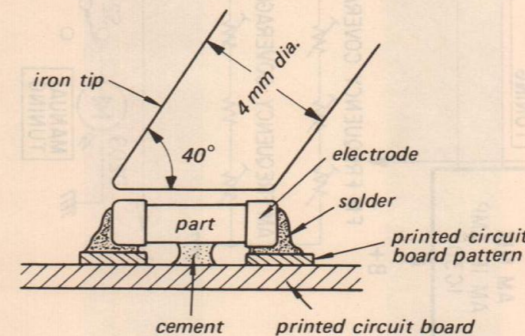


Fig. 4

4. Use lead type resistors or capacitors to replace the MELF components. These replacements may be mounted either with short leads (see Fig. 5), or by covering a lead with tubing (see Fig. 6).

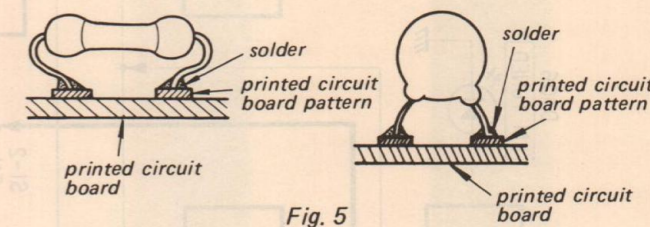


Fig. 5

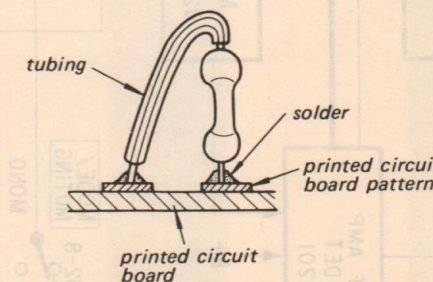
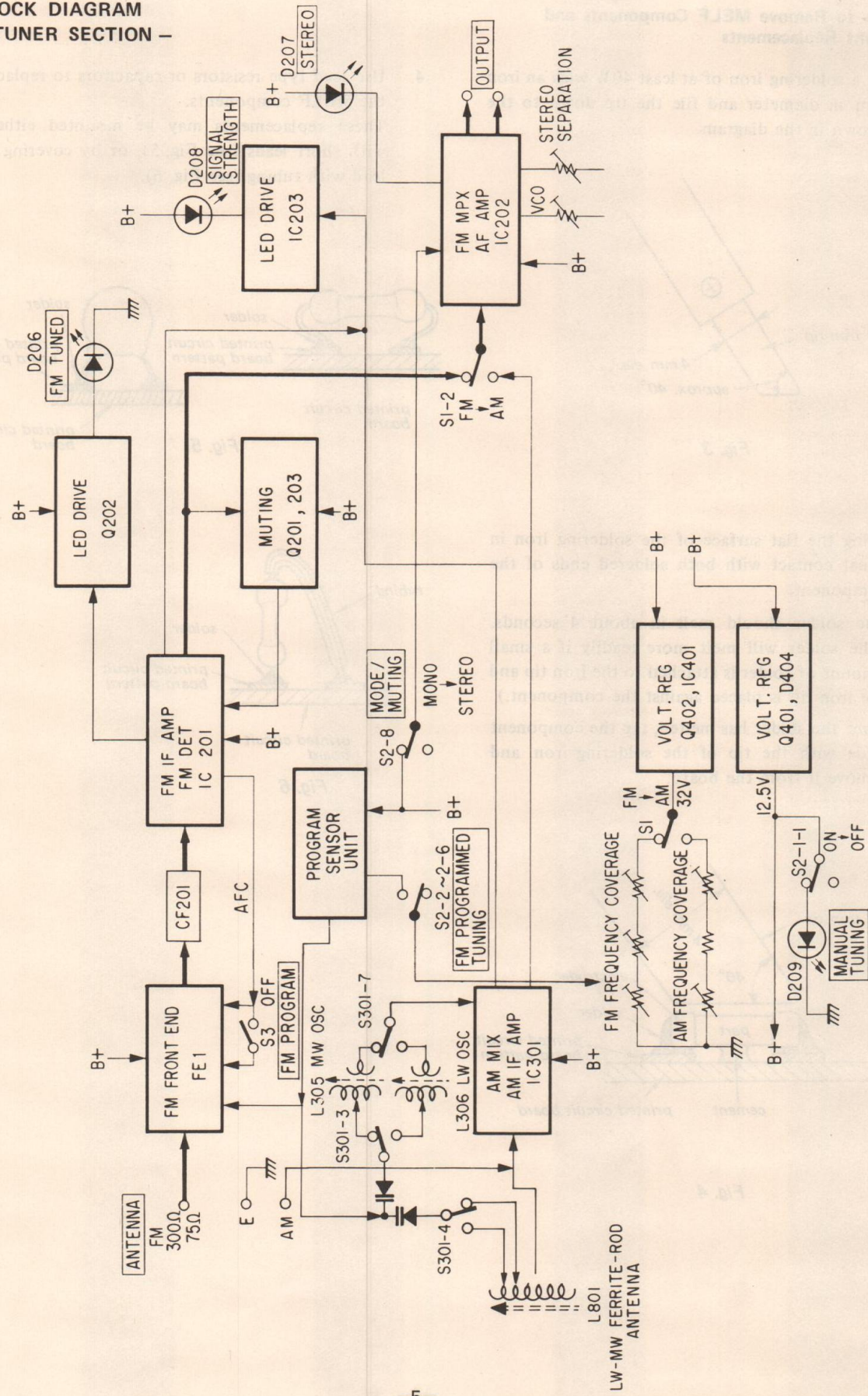


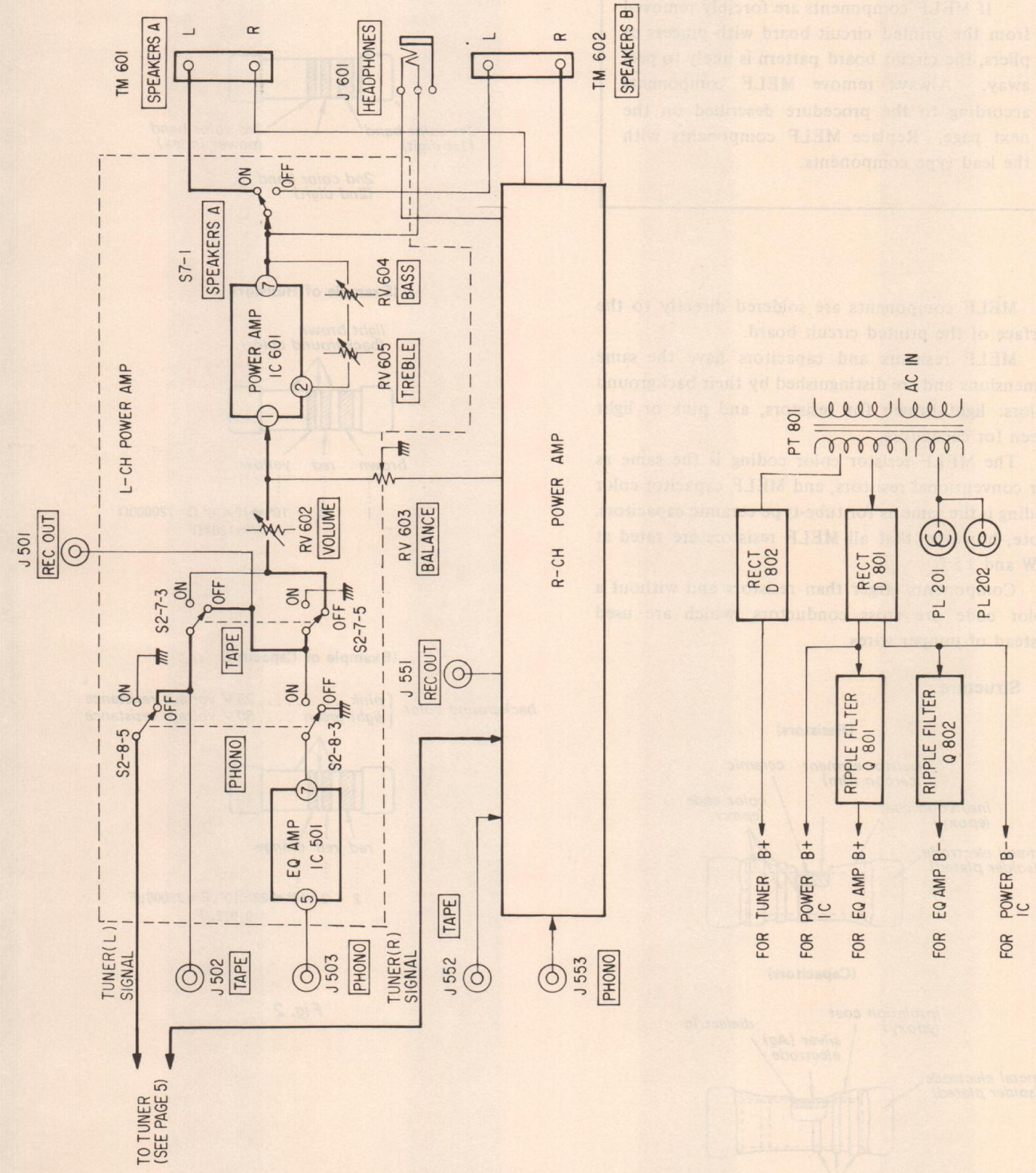
Fig. 6

SECTION 1
OUTLINE

1-1. BLOCK DIAGRAM
- TUNER SECTION -



- AUDIO AMP SECTION -



SECTION 2 DISASSEMBLY

2-1. DISASSEMBLY

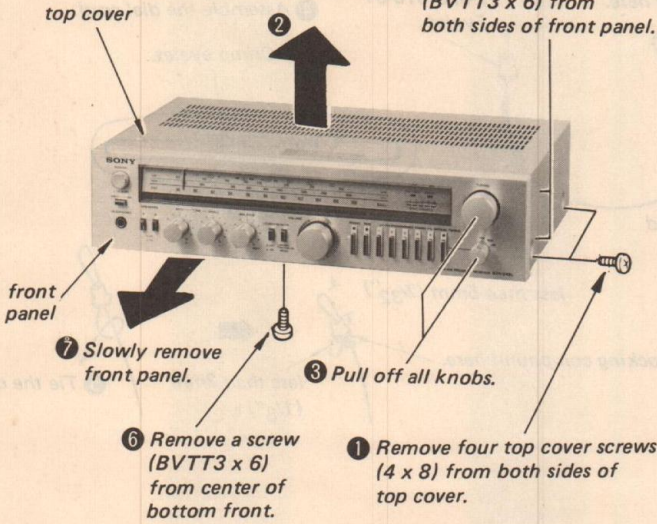
Note: Follow the disassembly procedure in the numerical order given.

TOP COVER AND FRONT PANEL

- Top Cover: ① - ②
Front Panel: ① - ⑦

④ Remove LED (C) board from front panel.

⑤ Remove four screws (BVTT3 x 6) from both sides of front panel.

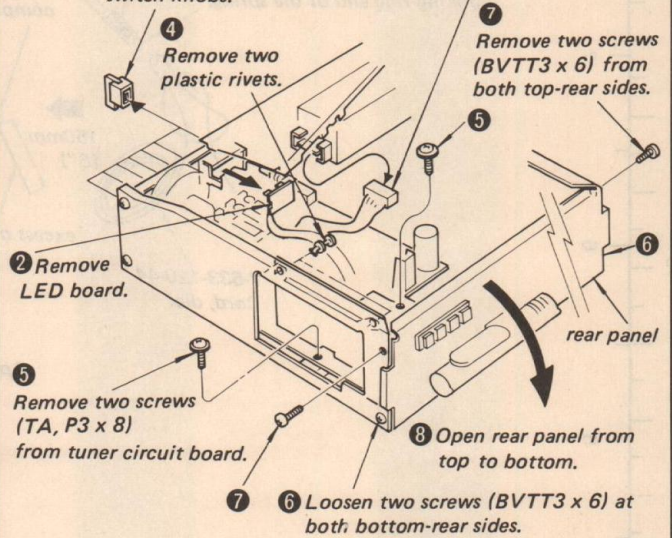


TUNER BOARD

③ Remove connector from program-sensor unit.

Note: When reconnecting the connector, connect it with its "A"-row positioned upside.

① Pull off seven switch knobs.

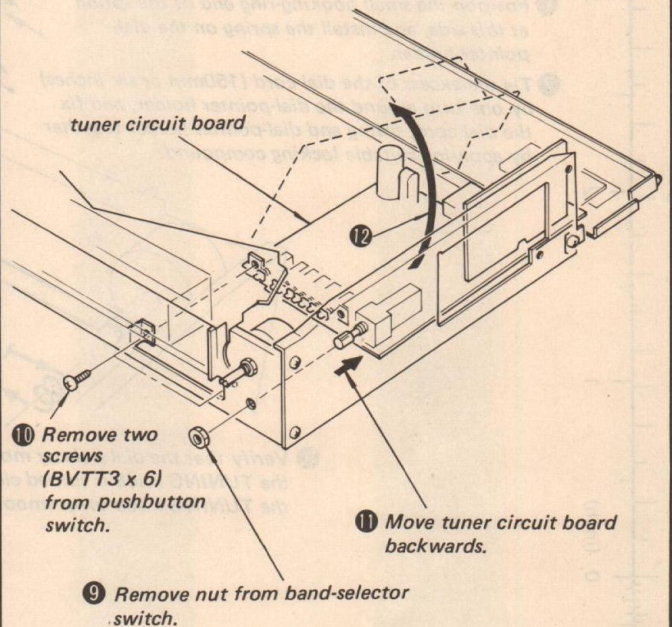
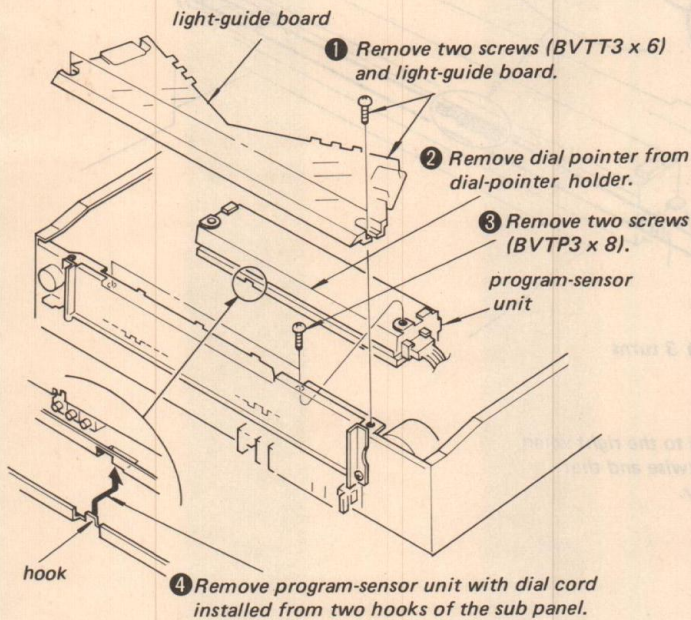


PROGRAM-SENSOR UNIT

① Remove two screws (BVTT3 x 6) and light-guide board.

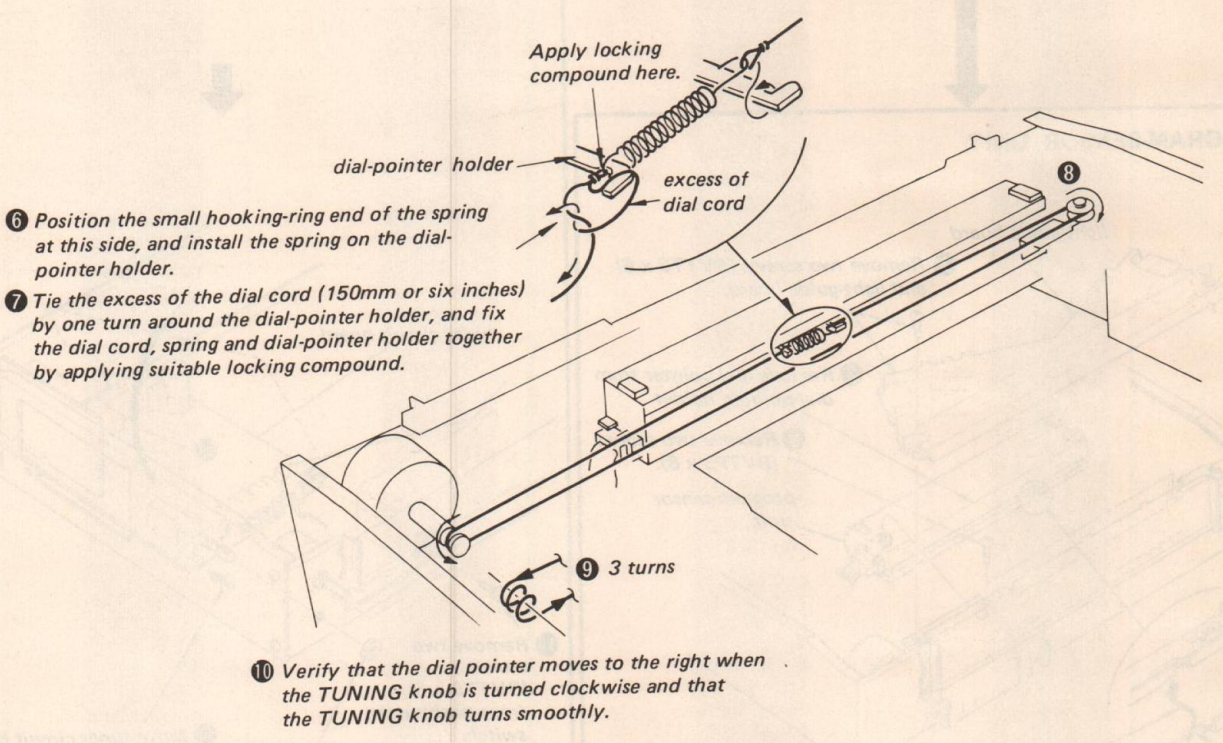
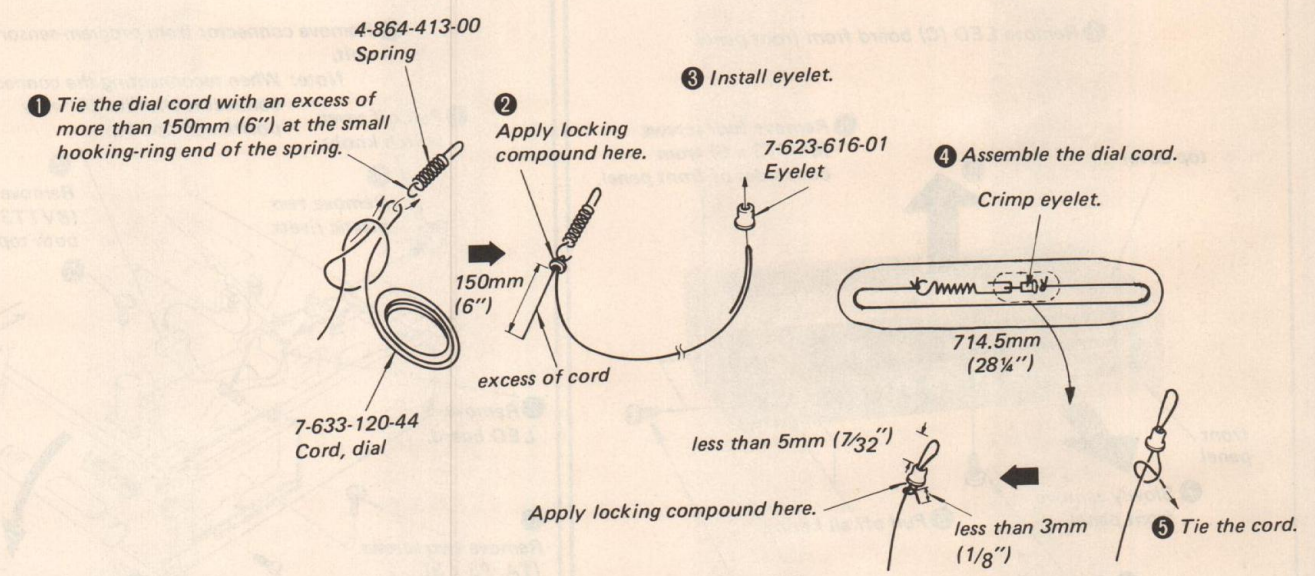
② Remove dial pointer from dial-pointer holder.

③ Remove two screws (BVTP3 x 8).



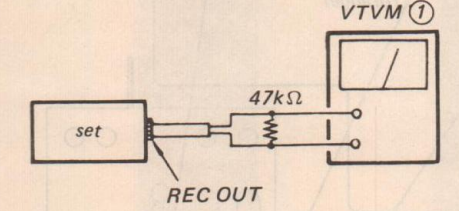
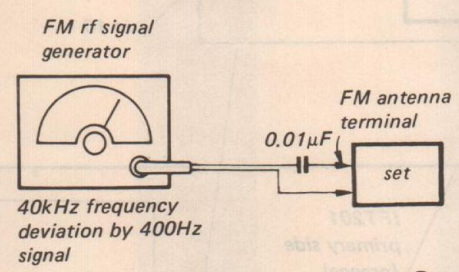
SECTION 3
ADJUSTMENTS

2-2. DIAL-CORD STRINGING

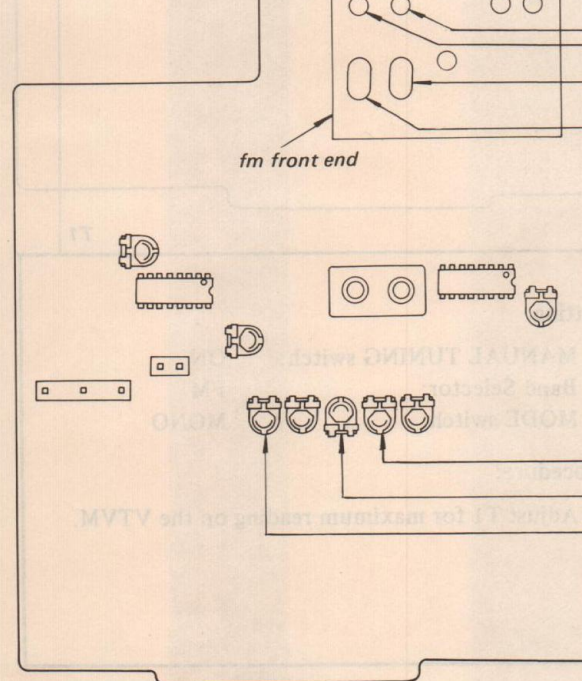
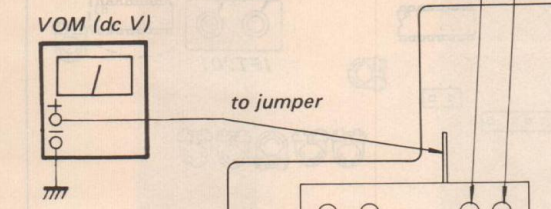


FM SECTION

Setting:
MANUAL TUNING switch: ON
Band Selector: FM
MODE switch: MONO



Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.



FM FRONT-END BLOCK

Adjustment is not necessary. But if it has been meddled with in some way, and if the adjustment is necessary by all means, adjust the FM front-end block as follows.

FM FREQUENCY COVERAGE ADJUSTMENT 1

1) Be sure to perform this adjustment before the FM frequency coverage adjustment 2.

TUNING CONTROL VOLTAGE ADJUSTMENT		
Adjustment Part	Dial Indication	VOM Reading
RT205	lowest frequency	2.8V
RT204	98MHz	8.0V
RT203	highest frequency	22.5V

Adjust for a specified reading on VTVM (2).

LOCAL OSCILLATOR FREQUENCY ADJUSTMENT		
Adjustment Part	Dial Indication	FM Rf Signal Generator Frequency
CT3	highest frequency	108MHz
T2	lowest frequency	88MHz

Adjust for a maximum reading on VTVM (1).

2) Be sure to perform this adjustment after the FM frequency coverage adjustment 2.

FM TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM (1).	
CT2	108MHz
CT1	108MHz
L4	88MHz
L2	88MHz

FM FREQUENCY COVERAGE ADJUSTMENT 2		
Adjust	FM Rf Signal Generator Frequency	Dial Indication
RT205	88MHz	88MHz
RT204	98MHz	98MHz
RT203	108MHz	108MHz

Adjust for a maximum reading on VTVM (1).

FM DISCRIMINATOR ALIGNMENT 1

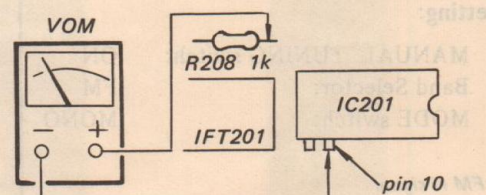
Setting:

MANUAL TUNING switch: ON
 Band Selector: FM
 MODE switch: MONO
 TUNING: Detuned position

Procedure:

Adjust the orange core (primary-side) of IFT201 for 0V dc reading on VOM.

Note: When replacing the ceramic filter (CF201), perform this alignment.

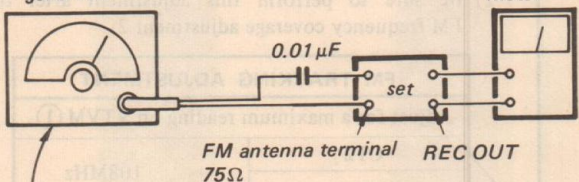


FM DISCRIMINATOR ALIGNMENT 2

Setting:

MANUAL TUNING switch: ON
 Band Selector: FM
 MODE switch: MONO

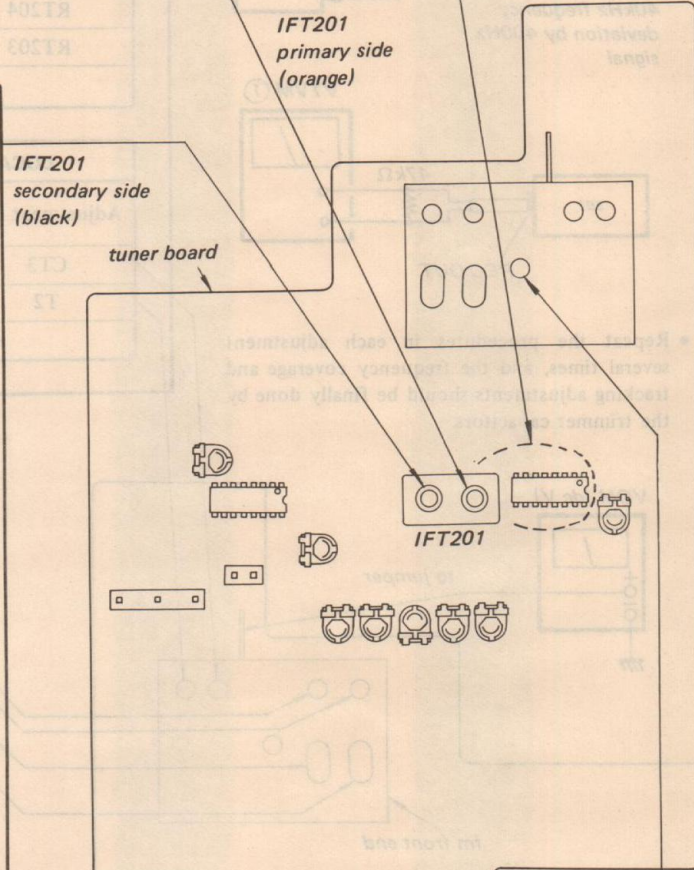
FM stereo signal generator



Carrier frequency: 98MHz
 Output level: 1mV (60dB)
 Modulation: 400Hz, 40kHz deviation (100%)

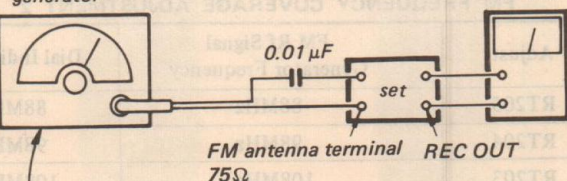
Procedure:

Adjust the black core (secondary side) of IFT201 for minimum distortion.



FM IF ALIGNMENT

Fm rf signal generator



Carrier frequency: 98MHz
 Output level: 12.5μV (22dB)
 Modulation: 400Hz, 40kHz deviation (100%)

Setting:

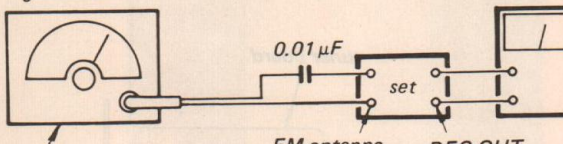
MANUAL TUNING switch: ON
 Band Selector: FM
 MODE switch: MONO

Procedure:

Adjust T1 for maximum reading on the VTVM.

MUTING LEVEL ADJUSTMENT

Fm rf signal generator



Carrier frequency: 98MHz
 Modulation: 400Hz, 40kHz deviation (100%)
 Output level: 5μV (14dB)

Setting:

MANUAL TUNING switch: ON
 MODE switch: STEREO

Procedure:

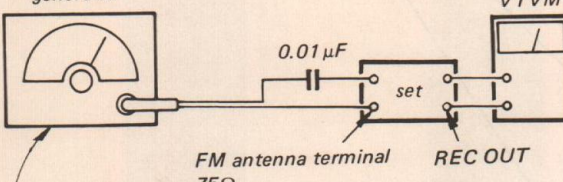
1. Turn RT208 and stop it just when the VTVM indication suddenly increases.
2. If necessary, turn RT208 fully clockwise and make sure that the VTVM indication increases when the output level of the FM rf signal generator is set to 16μV (24dB).

FM STEREO SEPARATION ADJUSTMENT

Setting:

MANUAL MUTING switch: ON
 Band Selector: FM
 MODE switch: STEREO

Fm stereo signal generator



Carrier frequency: 98MHz
 Output level: 1mV (60dB)
 Modulation:
 Audio (400Hz): 16.25kHz deviation (40%)
 Pilot (19kHz): 7.5kHz deviation (19%)
 Sub channel (38kHz): 16.25kHz deviation (40%)

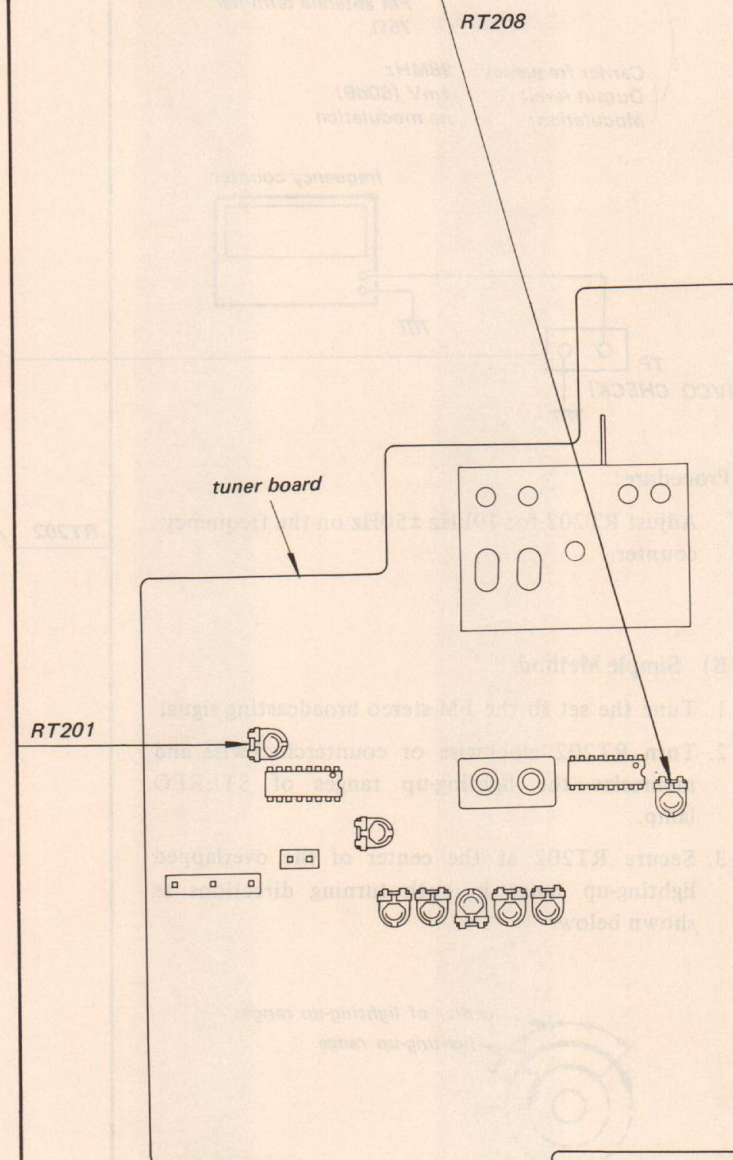
Procedure:

FM stereo signal generator output channel	VTVM connection	VTVM reading (dB)
L-CH	L-CH	(A)
R-CH	L-CH	(B) Adjust RT201 for minimum reading.
R-CH	R-CH	(C)
L-CH	R-CH	(D) Adjust RT201 for minimum reading.

L-CH Stereo separation: (A) - (B)

R-CH Stereo separation: (C) - (D)

The difference between separations (A) - (B) and (C) - (D) are to be equal.

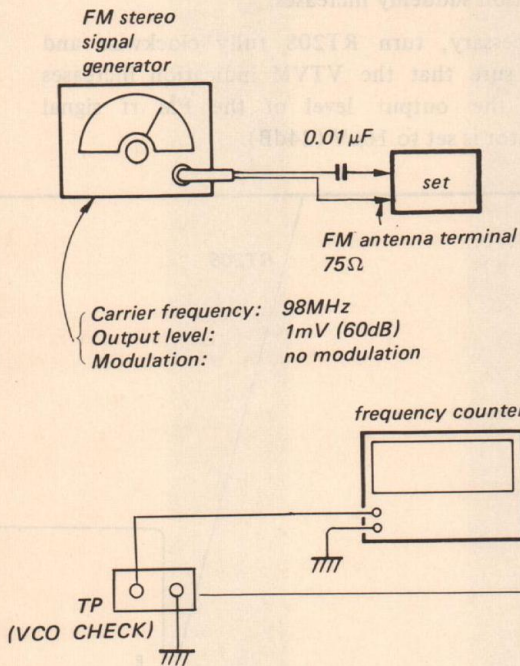


19kHz VCO ADJUSTMENT

Setting:

FUNCTION switch: TUNER
 Band Selector: FM
 MODE switch: STEREO

A) Regular Method

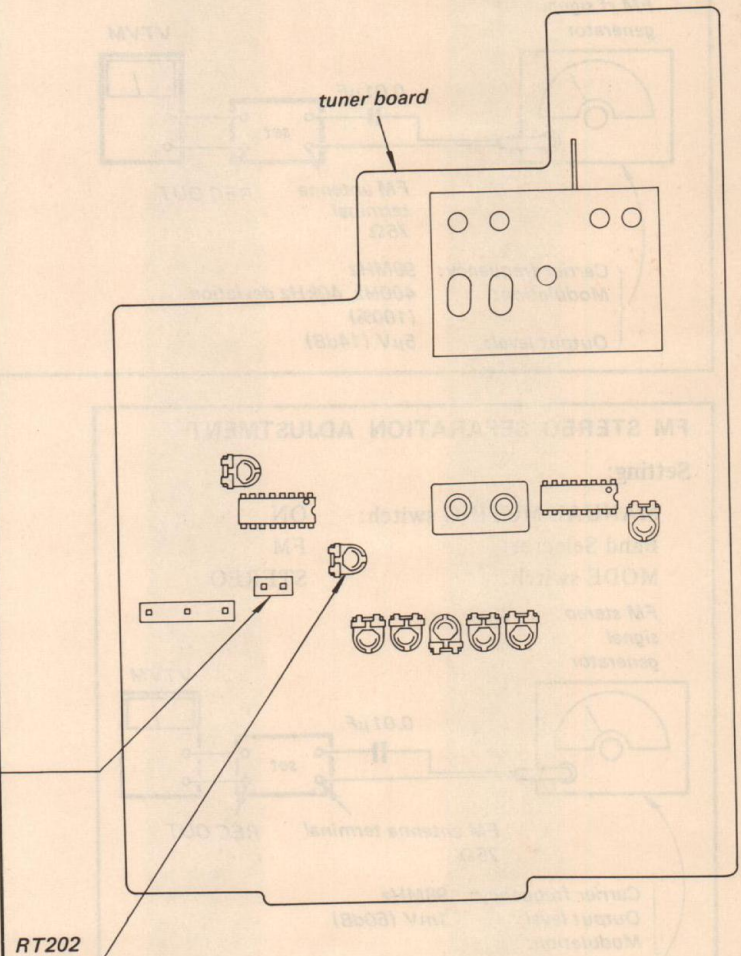
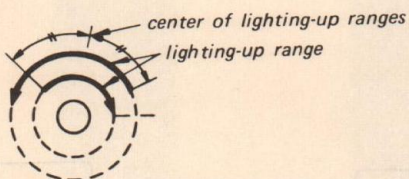


Procedure:

Adjust RT202 for 19kHz \pm 50Hz on the frequency counter.

B) Simple Method

1. Tune the set to the FM stereo broadcasting signal.
2. Turn RT202 clockwise or counterclockwise and memorize the lighting-up ranges of STEREO lamp.
3. Secure RT202 at the center of the overlapped lighting-up range in both turning directions as shown below.



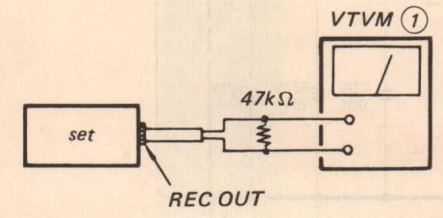
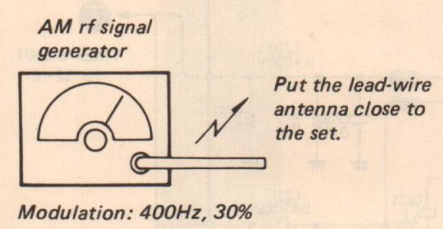
SECTION 1
DIAGRAMS
TUNER SECTION

MEMO

Horizontal lines for notes.

AM SECTION

(1) Setting:
MANUAL TUNING switch: ON
Band Selector: MW

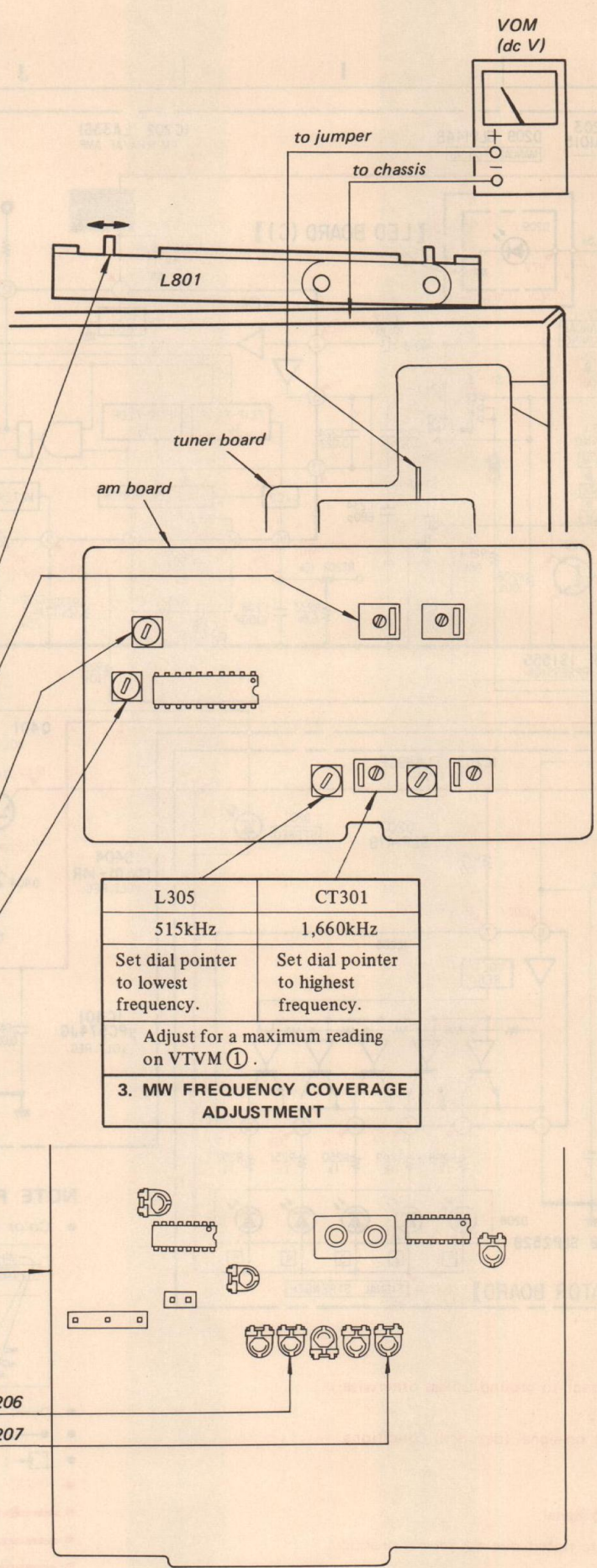


• Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.

4. MW TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM ①.	
600kHz	L801
1,400kHz	CT303

1. AM IF ALIGNMENT	
Adjust for a maximum reading on VTVM ①.	
450kHz	T301, T302

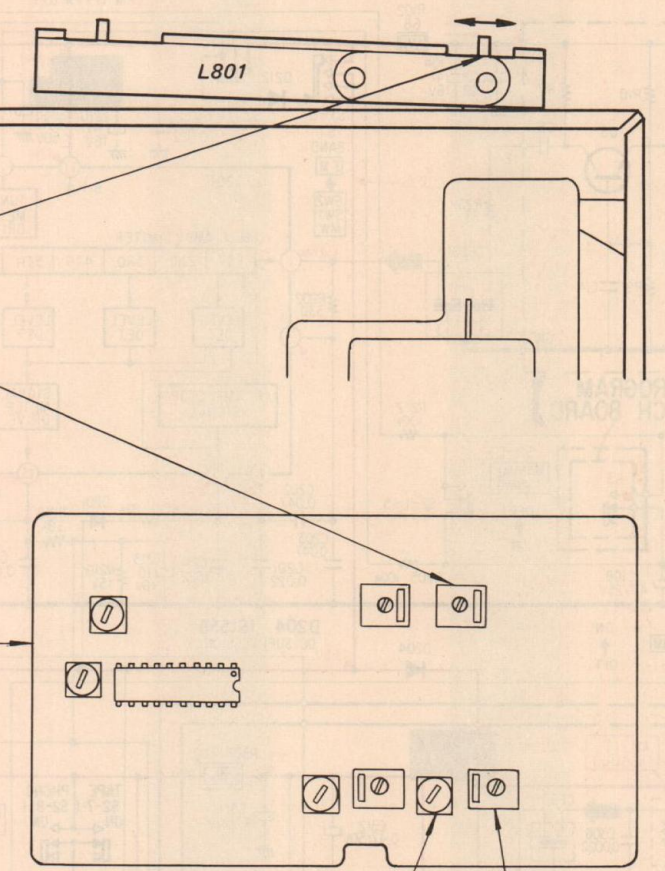
2. AM TUNING VOLTAGE ADJUSTMENT		
Dial Indication	VOM Reading	Adjust
highest frequency	25V	RT206
lowest frequency	1V	RT207



L305	CT301
515kHz	1,660kHz
Set dial pointer to lowest frequency.	Set dial pointer to highest frequency.
Adjust for a maximum reading on VTVM ①.	
3. MW FREQUENCY COVERAGE ADJUSTMENT	

(2) Setting:
MANUAL TUNING switch: ON
Band Selector: LW

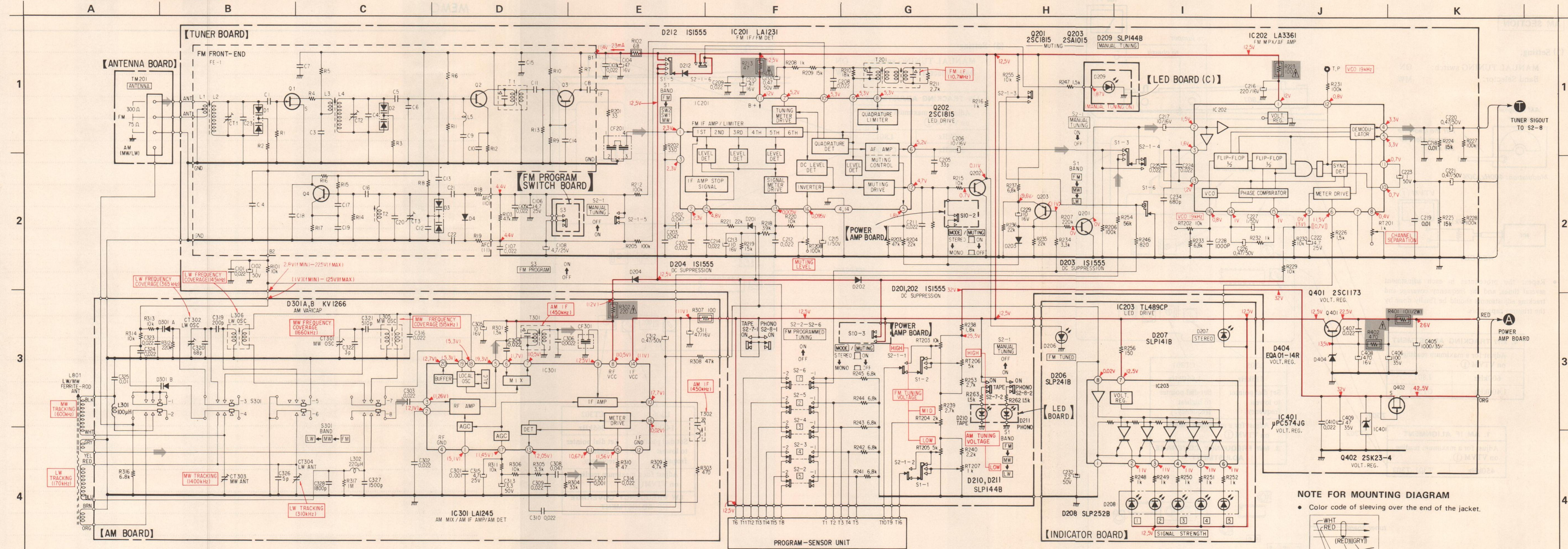
LW TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM ①.	
170kHz	L801
310kHz	CT304



L306	CT302
145kHz	365kHz
Set dial pointer to lowest frequency.	Set dial pointer to highest frequency.
Adjust for a maximum reading on VTVM ①.	
LW FREQUENCY COVERAGE ADJUSTMENT	

SECTION 4
DIAGRAMS

4-1. SCHEMATIC DIAGRAM - TUNER SECTION -



Note: The components identified by shading and mark are critical for safety. Replace only with part number specified.

NOTE FOR SCHEMATIC DIAGRAM

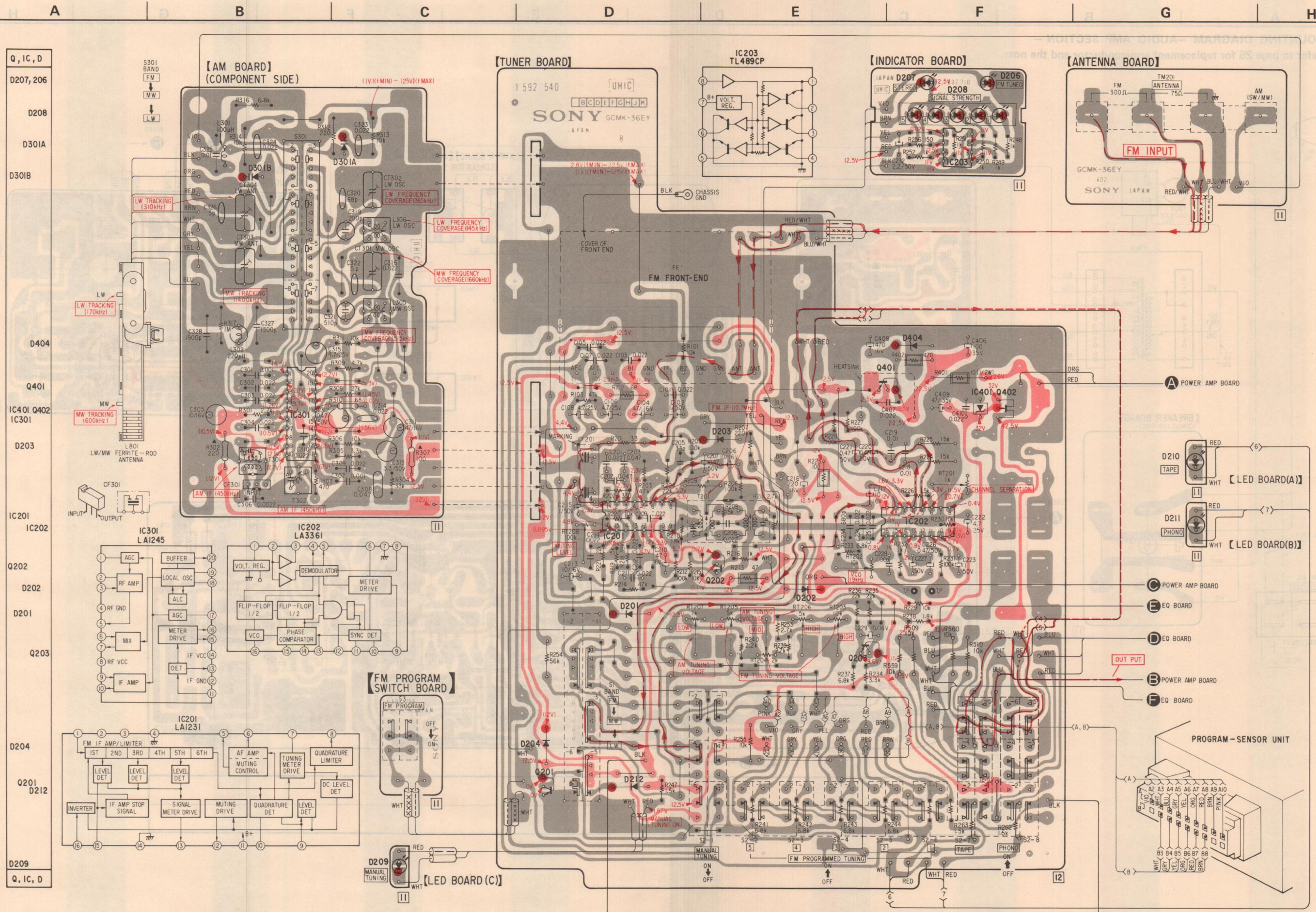
- All capacitors are in μF unless otherwise noted. $\text{pF} : \mu\text{F}$ 50VV or less are not indicated except for electrolytics and tantalums.
- All resistors are in ohms, $\frac{1}{2}\text{W}$ unless otherwise noted. $\text{k}\Omega : 1000 \Omega$, $\text{M}\Omega : 1000 \text{k}\Omega$
- : nonflammable resistor.
- Δ : internal component.
- : signal path

- : B+ bus.
- : B- bus.
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken under no-signal (detuned) conditions with a VOM (20 k Ω /V).
- () : AM
- () : Tuned in FM stereo signal.
- Voltage variations may be noted due to normal production tolerances.

NOTE FOR MOUNTING DIAGRAM

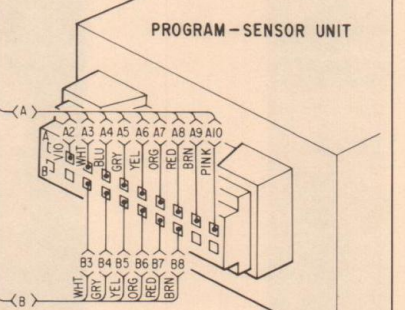
- Color code of sleeving over the end of the jacket.
- : parts extracted from the component side.
- : parts extracted from the conductor side.
- : indicates side identified with part number.
- : B+ pattern
- : signal path
- : L-CH signal path
- : R-CH signal path

STR-242L STR-242L

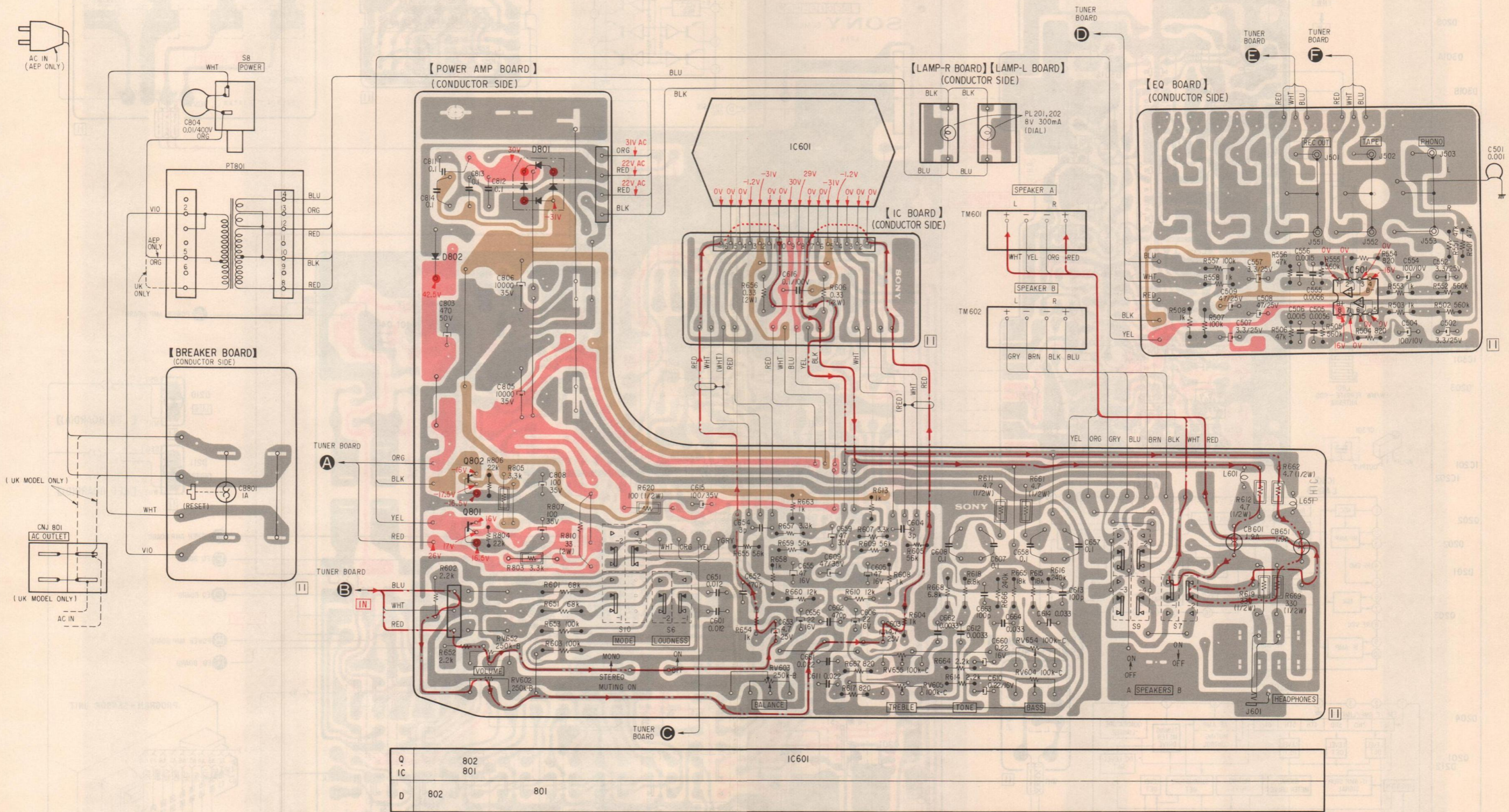


Q, IC, D
D207, 206
D208
D301A
D301B
D404
Q401
IC401 Q402
IC301
D203
IC201
IC202
Q202
D202
D201
Q203
D204
Q201
D212
D209
Q, IC, D

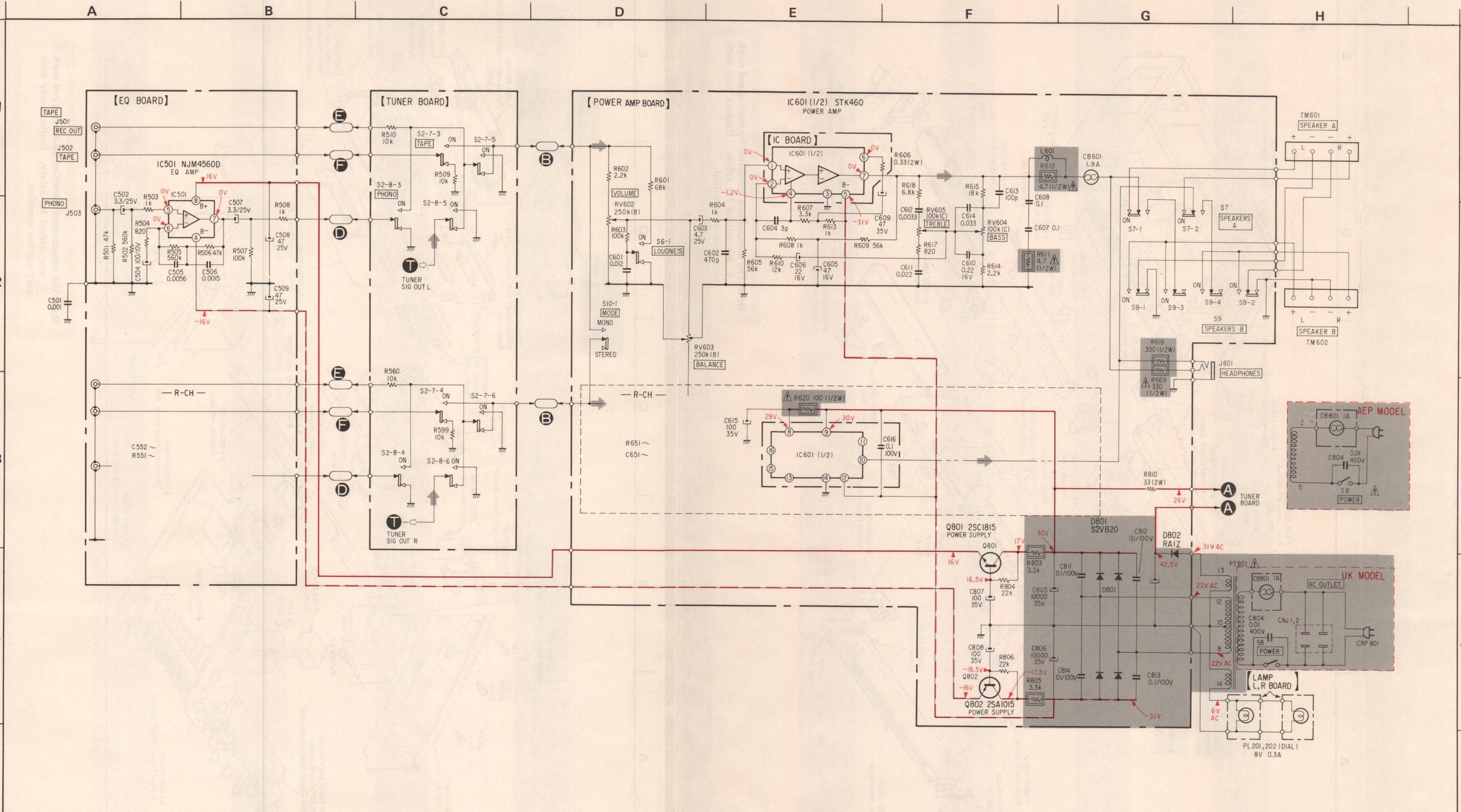
D210	RED	(6)
TAPE	WHT	
D211	RED	(7)
PHONO	WHT	
[LED BOARD (A)]		
[LED BOARD (B)]		
[LED BOARD (C)]		



4-3. MOUNTING DIAGRAM -AUDIO AMP SECTION -
Refer to page 25 for replacement semiconductor and the note.



4.4. SCHEMATIC DIAGRAM - AUDIO AMP SECTION -



NOTE FOR MOUNTING DIAGRAM:

- Color code of sleeving over the end of the jacket.
- WHT (RED) (RED)(GRY)
- : parts extracted from the component side.
- : parts extracted from the conductor side.
- : indicates side identified with part number.
- : B+ pattern
- : B- pattern
- : signal path
- : L-CH signal path
- : R-CH signal path
- : signal path

NOTE FOR SCHEMATIC DIAGRAM:

- All capacitors are in μF unless otherwise noted. $\text{pF} : \mu\text{F}$ 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in ohms, $\frac{1}{8}\text{W}$ unless otherwise noted. $\text{k}\Omega : 1000\Omega$, $\text{M}\Omega : 1000\text{k}\Omega$
- : nonflammable resistor.
- △ : internal component.
- : B+ bus.
- - - : B- bus.
- Voltagess are dc with respect to ground unless otherwise noted.
- Readings are taken under no-signal (detuned) conditions with a VOM (20 $\text{k}\Omega/\text{V}$).
- () : AM
- Voltage variations may be noted due to normal production tolerances.
- : signal path

Replacement Semiconductors

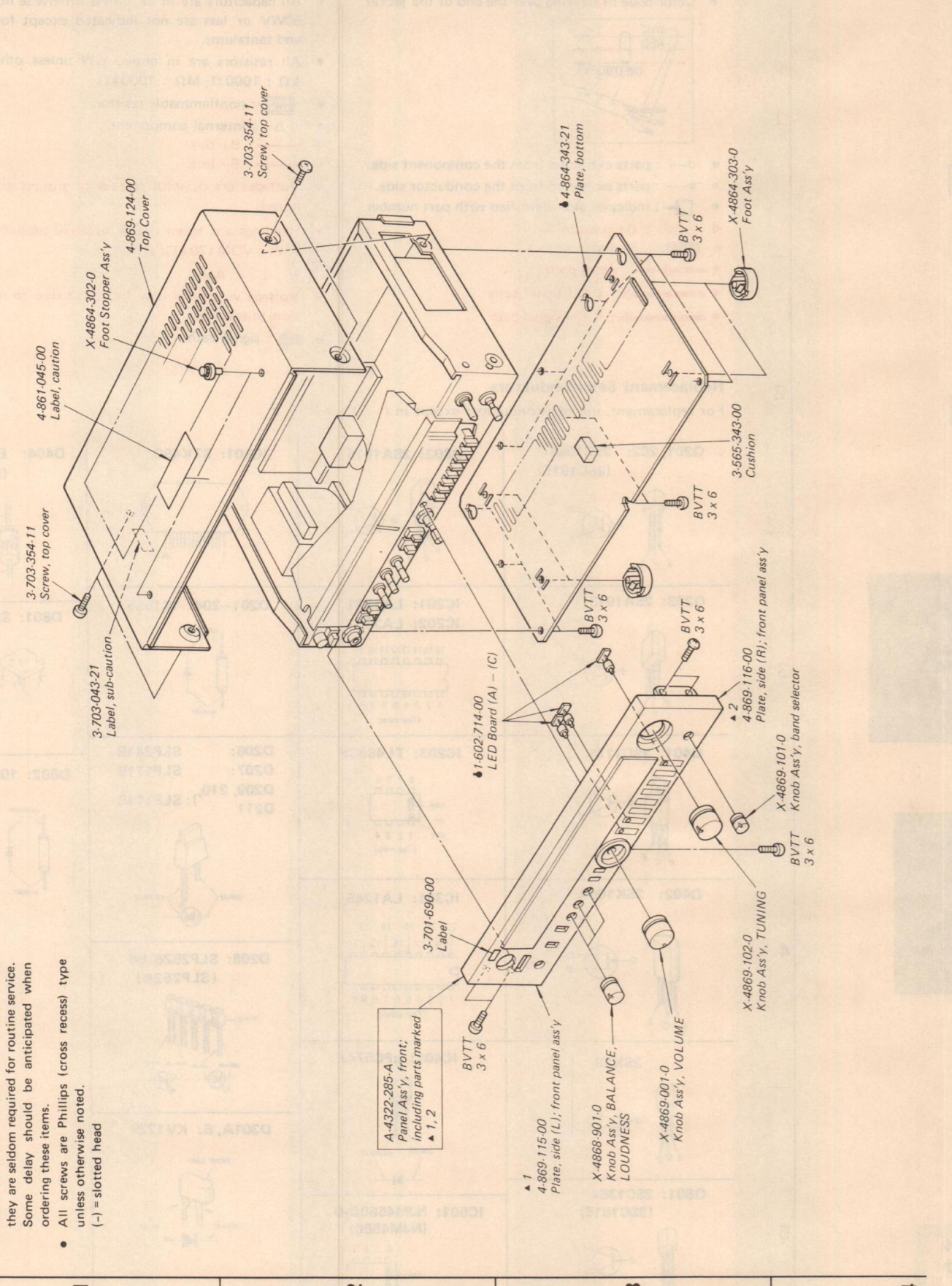
For replacement, use semiconductors except in ().

<p>Q201, 202: 2SC1364 (2SC1815)</p>	<p>Q802: 2SA1015</p>	<p>IC601: STK460</p>	<p>D404: EQB01-14 (EQA01-14R)</p>
<p>Q203: 2SA1015</p>	<p>IC201: LA1231 IC202: LA3361</p>	<p>D201-204: 1S1555</p>	<p>D801: S2VB20</p>
<p>Q401: 2SC1173</p>	<p>IC203: TL489CP</p>	<p>D206: SLP241B D207: SLP141B D209, 210, D211: SLP144B</p>	<p>D802: 10E2 (RA-1Z)</p>
<p>Q402: 2SK105A</p>	<p>IC301: LA1245</p>	<p>D208: SLP252B-06 (SLP252B)</p>	<p>D301A, B: KV1226</p>
<p>2SK23</p>	<p>IC401: $\mu\text{PC}574\text{J}$</p>	<p>D301A, B: KV1226</p>	
<p>Q801: 2SC1364 (2SC1815)</p>	<p>IC501: NJM4560D-D (NJM4560)</p>		

Note: The components identified by shading and mark are critical for safety. Replace only with part number specified.

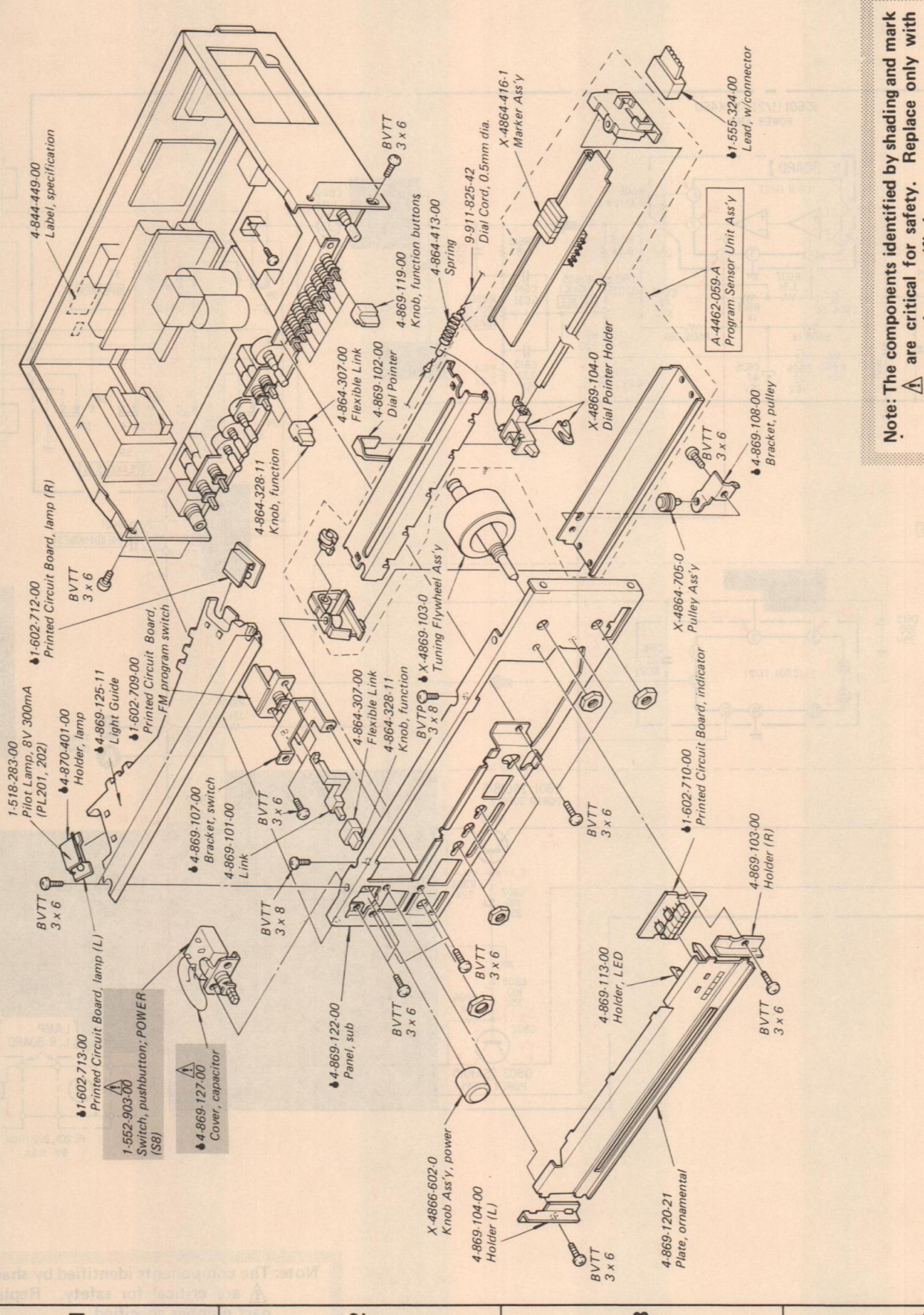
SECTION 5
EXPLODED VIEWS

5-1.



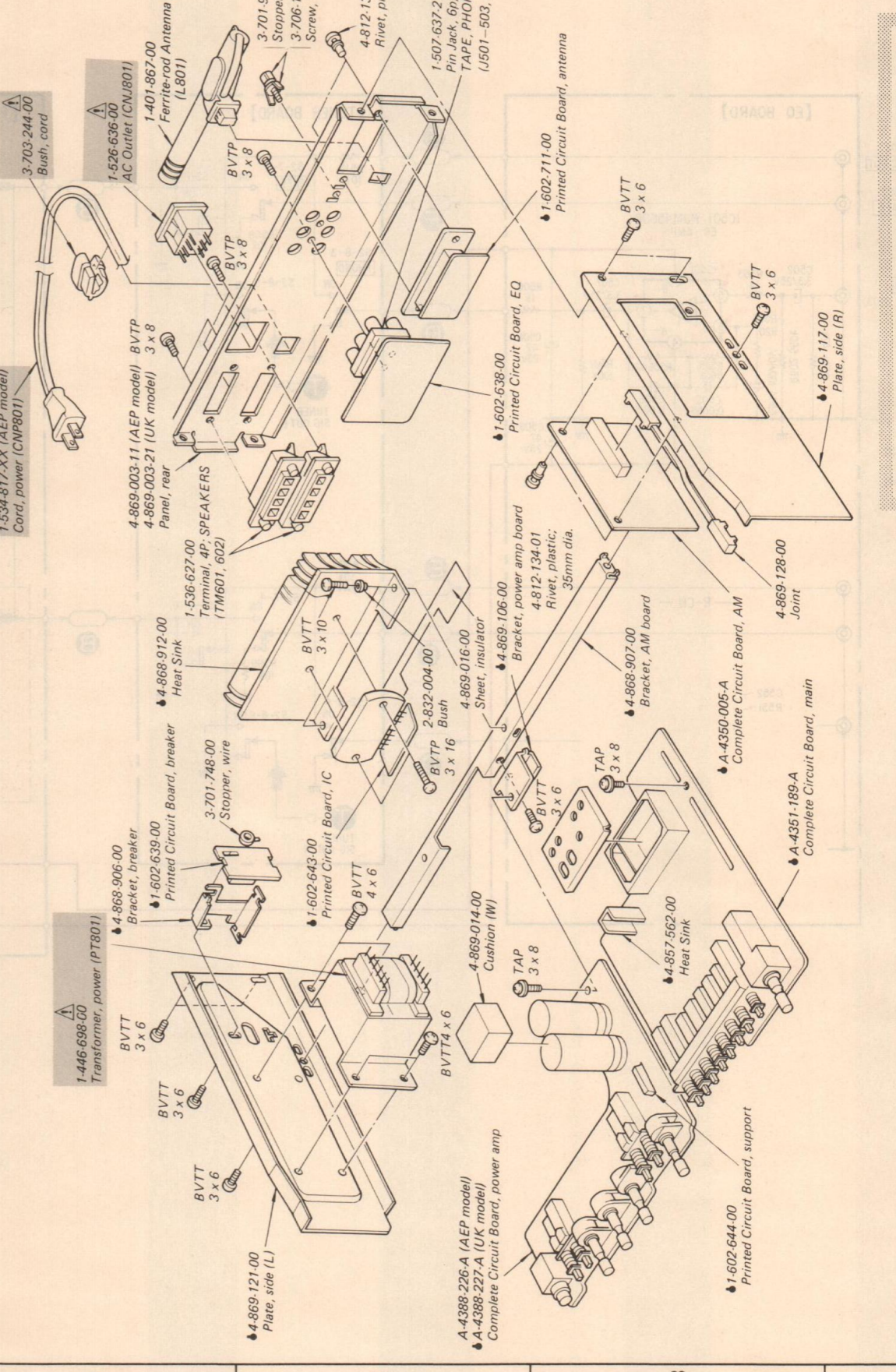
- Note:
- Items marked "X" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
 - All screws are Phillips (cross recess) type unless otherwise noted.
 - (-) = slotted head

5-2.



Note: The components identified by shading and mark are critical for safety. Replace only with part number specified.

5-3.



Note: The components identified by shading and mark are critical for safety. Replace only with part number specified.

SECTION 6

ELECTRICAL PARTS LIST

Ref. No. Part No. Description

SEMICONDUCTORS

Transistors

⇒ Q201, 202	8-729-663-47	2SC1364
Q203	8-729-201-52	2SA1015
Q401	8-719-217-33	2SC1173
⇒ Q402	8-729-105-40	2SK105A
⇒ Q801	8-729-663-47	2SC1364
Q802	8-729-201-52	2SA1015

ICs





IC201	8-759-812-31	LA1231
IC202	8-759-833-61	LA3361
IC203	8-759-904-89	TL489CP
IC301	8-759-812-45	LA1245
IC401	8-759-157-40	μPC574J
⇒ IC501	8-759-745-61	NJM4560D-D
IC601	8-759-846-00	STK460

Diodes


D201-204	8-719-815-55	1S1555
D206	8-719-922-41	SLP241B
D207	8-719-900-41	SLP141B
⇒ D208	8-719-925-26	SLP252B, LED BLOCK
D209-211	8-719-901-44	SLP144B
D301A, B	8-719-912-27	KV1226
⇒ D404	8-719-931-14	EQB01-14
D801	8-719-502-20	S2VB20
⇒ D802	8-719-200-02	10E2

CAPACITORS

All capacitors are in μF . Common capacitors are omitted.
Refer to the lists on pages 31 and 32 for their part numbers.

C803	 1-123-516-00	470	50V	elect
C804	 1-161-744-00	0.01	400V	ceramic
C805, 806	 1-123-642-00	10,000	35V	elect
C811-814	 1-108-389-00	0.1	100V	mlar

⇒: Due to standardization, interchangeable replacements may be substituted for parts specified in the diagrams.






Note: The components identified by shading and mark  are critical for safety. Replace only with part number specified.





Ref. No. Part No. Description


CT301-304 1-141-171-XX Trimmer

RESISTORS

All resistors are in ohms. Common $\frac{1}{4}\text{W}$ carbon resistors are omitted. Refer to the list on page 33 for their part numbers.

R213	 1-247-099-00	47	$\frac{1}{4}\text{W}$	carbon (nonflammable)
R223	 1-247-107-00	100	$\frac{1}{4}\text{W}$	carbon (nonflammable)
R302	 1-247-115-00	220	$\frac{1}{4}\text{W}$	carbon (nonflammable)
R401	 1-247-192-00	10	$\frac{1}{2}\text{W}$	carbon (nonflammable)
R402	 1-247-123-00	470	$\frac{1}{4}\text{W}$	carbon (nonflammable)

R606, 656	1-207-615-00	0.33	2W	metal plate
R611, 612	 1-247-188-00	4.7	$\frac{1}{2}\text{W}$	carbon (nonflammable)
R619	 1-247-228-00	330	$\frac{1}{2}\text{W}$	carbon (nonflammable)
R620	 1-247-216-00	100	$\frac{1}{2}\text{W}$	carbon (nonflammable)
R669	 1-247-228-00	330	$\frac{1}{2}\text{W}$	carbon (nonflammable)

R803, 805	 1-247-252-00	3.3k	$\frac{1}{2}\text{W}$	carbon (nonflammable)
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RT201	1-226-233-00	1k-B, adjustable
RT202,203	1-226-236-00	10k-B, adjustable
RT204	1-226-234-00	2k-B, adjustable
RT205,206	1-226-235-00	5k-B, adjustable
RT207	1-226-233-00	1k-B, adjustable

RT208	1-226-239-00	100k-B, adjustable
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RV602,652	1-226-836-00	250k-B/250k-B, variable
RV603	1-226-227-00	250k-B, variable
RV604,654	1-226-862-00	100k-C/100k-C, variable
RV605,655		

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>
MISCELLANEOUS		
CB601,651	1-532-566-00	Circuit Breaker
CB801,802	▲1-532-535-00	Circuit Breaker
CF201	1-527-534-XX	Filter, solid state
CF301	1-527-599-00	Filter, mechanical
CNJ801	▲1-526-636-00	AC Outlet (UK model)
CNP801	▲ (1-534-817-XX 1-555-001-00)	Cord, power (AEP model) Cord, power (UK model)
FE1	1-463-322-00	FM Front-end (W)
J501-503) J551-553)	1-507-637-21	Pin Jack, 6p; REC OUT, TAPE, PHONO
J601	1-507-659-00	Jack; HEADPHONES
L301	1-407-169-XX	100μH, microinductor
L302	1-407-173-XX	220μH, microinductor
L305	1-405-907-00	MW OSC Coil
L309	1-405-914-00	LW OSC Coil
●L601, 651	1-420-872-00	Coil
L801	1-401-867-00	Ferrite-rod Antenna (MW, LW)
PL201,202	1-518-283-00	Pilot Lamp, 8V 300mA
PT801	▲1-446-698-00	Transformer, power
S1	1-553-316-00	Switch, rotary
S2	1-553-309-00	Switch, pushbutton
S3	1-553-283-00	Switch, pushbutton
S6, 7	1-553-308-00	Switch, pushbutton; LOUDNESS, SPEAKERS
S8	▲1-552-903-00	Switch, pushbutton; POWER
S9, 10	1-553-308-00	Switch, pushbutton; LOUDNESS, SPEAKERS
S301	1-553-314-00	Switch, slide; REMOTE TYPE
T201	1-404-170-00	Transformer, fm if
T301	1-409-348-00	Coil, mechanical filter
T302	1-404-266-00	Transformer, am if
TM601,602	1-536-627-00	Terminal, 4P; SPEAKERS
	1-217-589-00	Cross Conductor (MELF)
	1-463-322-00	Front-end (W)
●	1-555-324-00	Lead, w/connector

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>
COMPLETE CIRCUIT BOARDS		
●	A-4350-005-A	AM
●	A-4351-189-A	Tuner
●	A-4388-226-A	Power Amp
PRINTED CIRCUIT BOARDS		
●	1-602-638-00	EQ
●	1-602-639-00	Breaker
●	1-602-643-00	IC
●	1-602-644-00	Support
●	1-602-709-00	FM PROGRAM Switch
●	1-602-710-00	Indicator
●	1-602-711-00	Antenna
●	1-602-712-00	Lamp (R)
●	1-602-713-00	Lamp (L)
●	1-602-714-00	LED (A)-(C)

ACCESSORIES AND PACKING MATERIALS

<u>Part No.</u>	<u>Description</u>
1-501-184-00	FM Ribbon Antenna
3-701-630-00	Bag, plastic
3-783-227-11	Manual, instruction
3-794-869-11	Card, operation
4-864-354-00	Sheet, plastic
4-869-009-00	Carton

- Items marked "●" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

Note: The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.

ELECTROLYTIC CAPACITORS

Table with columns: CAP. (µF), RATING (6.3 VOLT., 10 VOLT., 16 VOLT., 25 VOLT., 35 VOLT., 50 VOLT.), PART No. Includes a note: → : Use the high voltage rated one.

Table with columns: CAP. (µF), RATING (100 VOLT., 160 VOLT., 250 VOLT., 350 VOLT.), PART No.

CERAMIC CAPACITORS

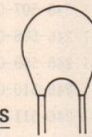
Table with columns: CAP. (pF), RATING (50 VOLT., 50 VOLT., 50 VOLT., 50 VOLT.), CAP. (pF), CAP. (µF), CAP. (µF), CAP. (µF). Includes a note: 0.001µF = 1,000pF

CERAMIC (SEMICONDUCTOR) CAPACITORS

Table with columns: CAP. (µF), RATING (25 VOLT., 50 VOLT.), CAP. (µF), CAP. (µF), CAP. (µF). Includes a note: → : Use the high voltage rated one.

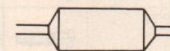
MYLAR CAPACITORS

Table with columns: CAP. (µF), RATING (50 VOLT., 100 VOLT., 200 VOLT.), CAP. (µF), 50 VOLT., 100 VOLT., 200 VOLT., CAP. (µF), 50 VOLT., 100 VOLT., 200 VOLT., CAP. (µF), 50 VOLT., 100 VOLT., 200 VOLT.



TANTALUM CAPACITORS

Table with columns: CAP. (µF), RATING (3.15 VOLT., 6.3 VOLT., 10 VOLT., 16 VOLT., 20 VOLT., 25 VOLT., 35 VOLT.), PART No., PART No., PART No., PART No., PART No., PART No., PART No.



TANTALUM CAPACITORS

Table with columns: CAP. (µF), RATING (3 VOLT., 6.3 VOLT., 10 VOLT., 16 VOLT., 20 VOLT., 35 VOLT.), PART No., PART No., PART No., PART No., PART No., PART No.

