

WM-F18

SERVICE MANUAL

US Model
Canadian Model



'Dolby' and the double-D symbol are the trade marks of Dolby Laboratories Licensing Corporation. Noise reduction system manufactured under license from Dolby Laboratories Licensing Corporation.

Tape Transport Mechanism Type MF-WMF18

SPECIFICATIONS

Radio section

Frequency range: FM: 88-108 MHz
AM: 530-1,605 kHz

Antenna: FM: Headphones cord antenna
AM: Built-in ferrite bar antenna

Tape player section and general

Tape track: 4-track 2-channel stereo

Fast winding time: Approx. 3min. with Sony cassette C-60

Frequency response

40-15,000 Hz (with the TAPE selector set to METAL/CrO₂)

40-15,000 Hz (with the TAPE selector set to NORM)

Graphic equalizer

Boost/cut range: Approx. ±10 dB

Center frequencies: 150 Hz, 1 kHz, 8 kHz

Power output

25 mW × 2 (max.)

15 mW × 2 load impedance 32 ohms at dc operation

Power requirements;

3V dc, two size AA batteries (IEC designation R6)

DC IN 3V accepts:

Sony EBP-500 battery case (optional)

for use on two size D batteries (IEC designation R20)

Sony AC-D2 ac power adaptor (optional)

for use on 120V ac, 60 Hz

Sony DCC-70 car battery cord (optional)

for use with 12V car battery

Battery life:

| Batteries | FM reception | Tape playback |
|--|--------------|---------------|
| Sony New Super SUM-3 (NS) or Eveready No. 1015 | 17 | 3 |
| Eveready No. E91 alkaline | 30 | 6 |

(hours)

For maximum performance we recommend the use of alkaline batteries.

Dimensions: Approx. 144.5 × 92 × 37.5 mm (w/h/d)

(5 7/8 × 3 3/8 × 1 1/2 inches)

incl. projecting parts and controls

Weight: Approx. 366 g (12.9 oz) incl. batteries, not incl. other accessories

FM/AM STEREO CASSETTE PLAYER

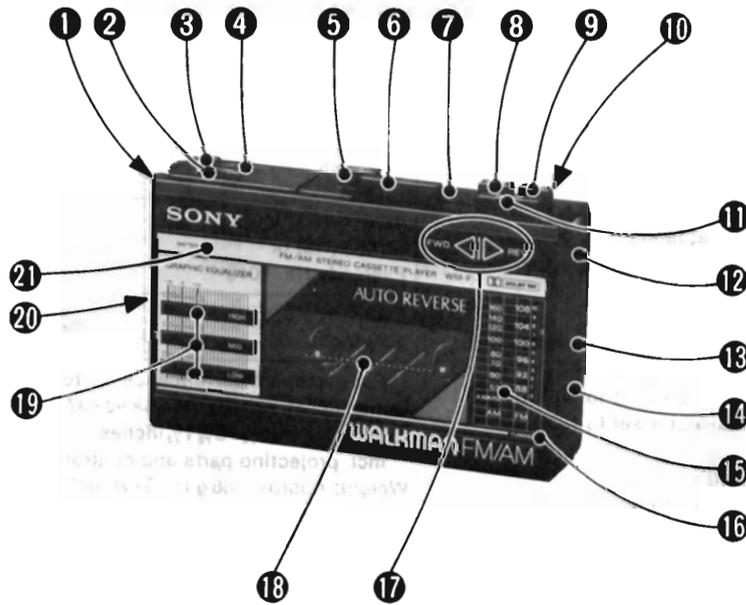
SONY®



TC

PARTS IDENTIFICATION

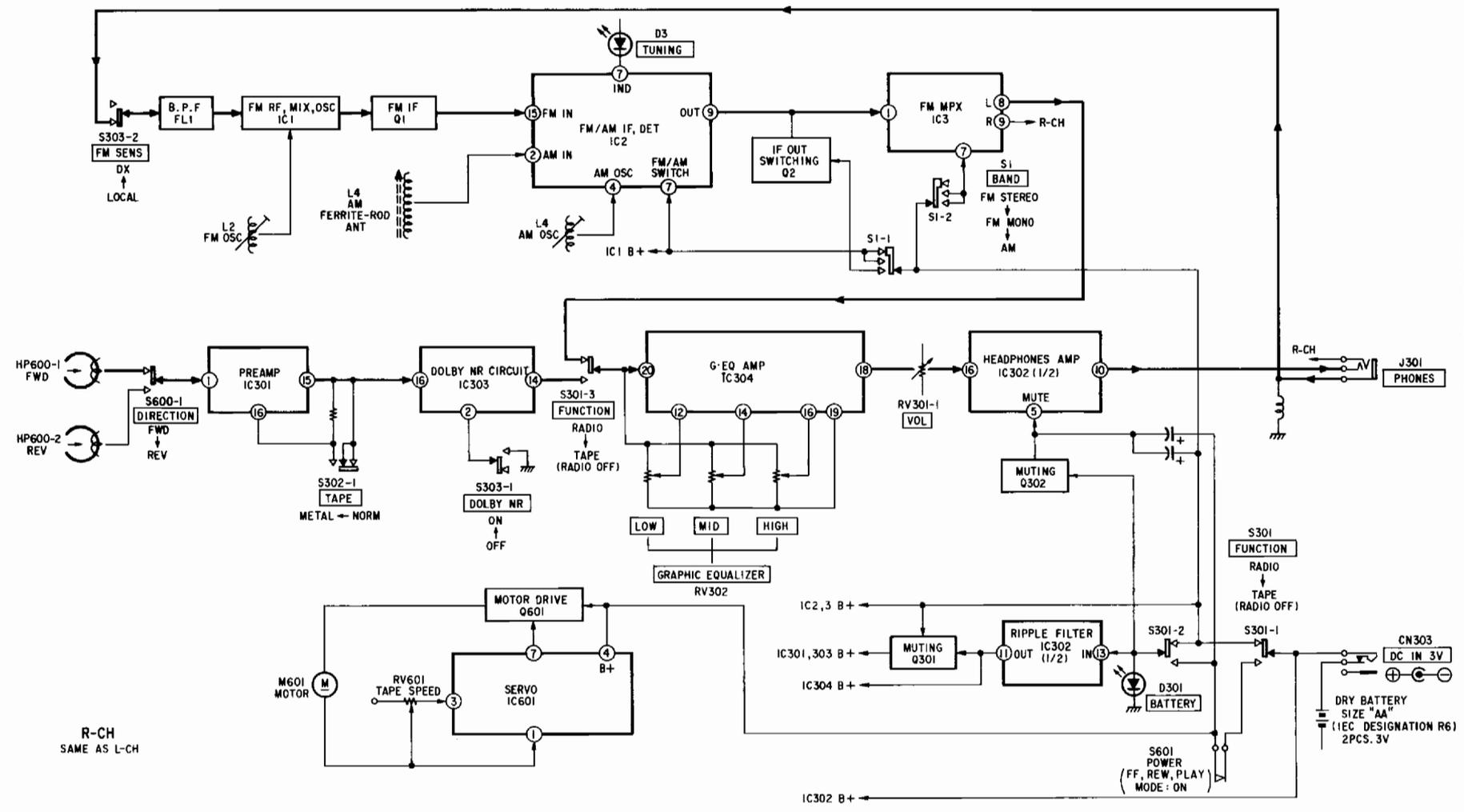
- ① DC IN 3V (external power input) jack
- ② VOL (volume) control
- ③ ♪ (headphones) jack
- ④ Function selector (TAPE/RADIO OFF, RADIO)
- ⑤ ◀▶ DIRECTION (tape transport direction) button
- ⑥ PLAY (playback) button
- ⑦ MODE selector
- ⑧ ◀◀ (fast-forward) button
- ⑨ ▶▶ (fast-reverse) button
- ⑩ TAPE selector
- ⑪ STOP button
- ⑫ TUNING knob
- ⑬ FM SENS (sensitivity)/DOLBY NR (noise reduction) selector
- ⑭ Band selector
- ⑮ Dial scale
- ⑯ TUNING indicator
- ⑰ Tape transport direction indicators (FWD ◀, ▶ REV)
- ⑱ Cassette holder
- ⑲ GRAPHIC EQUALIZER controls
- ⑳ Battery compartment (rear)
- ㉑ BATTERY indicator



SONY FM/AM STEREO CASSETTE PLAYER

3

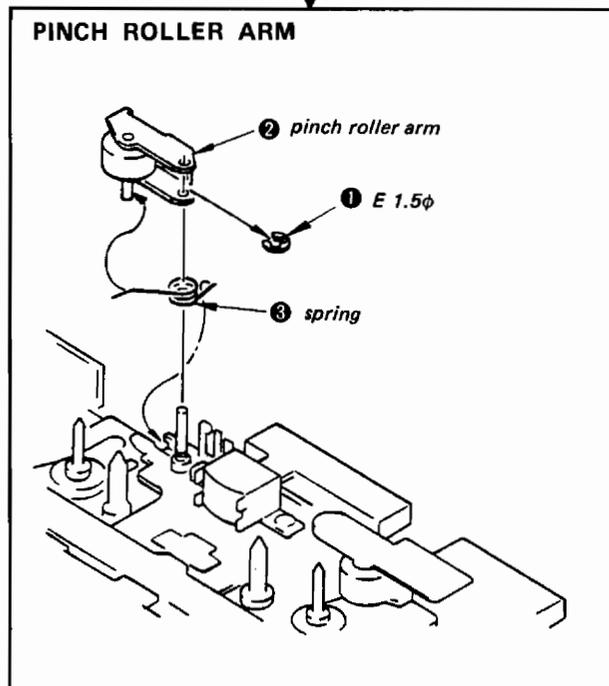
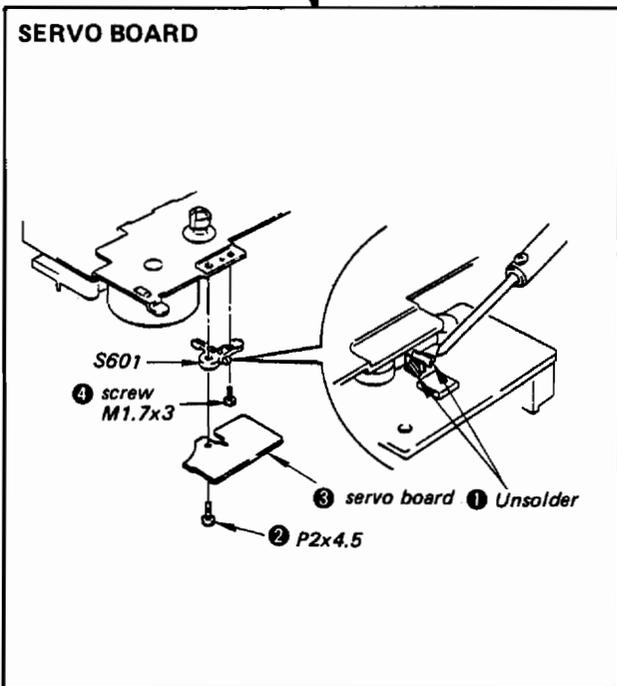
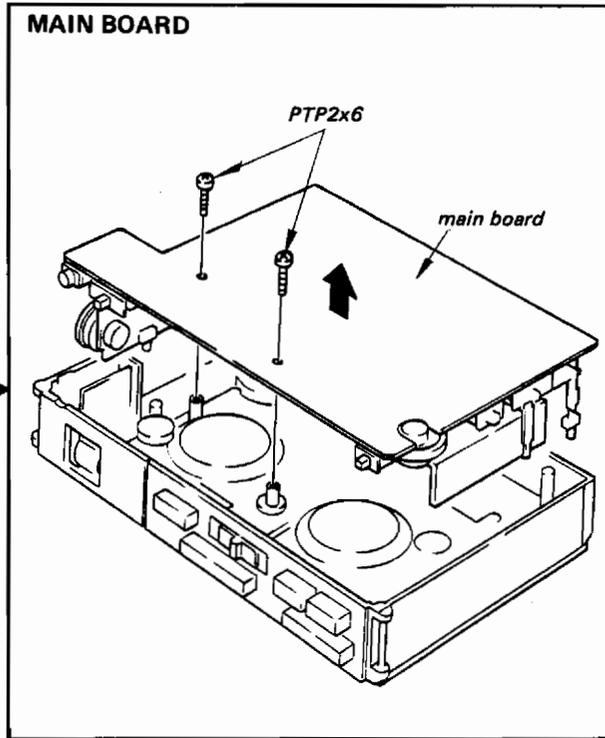
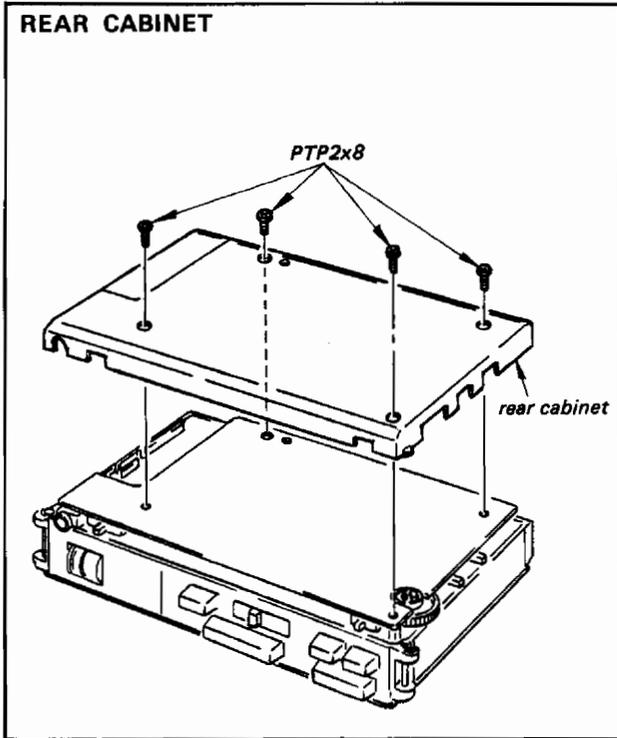
SECTION 1
BLOCK DIAGRAM

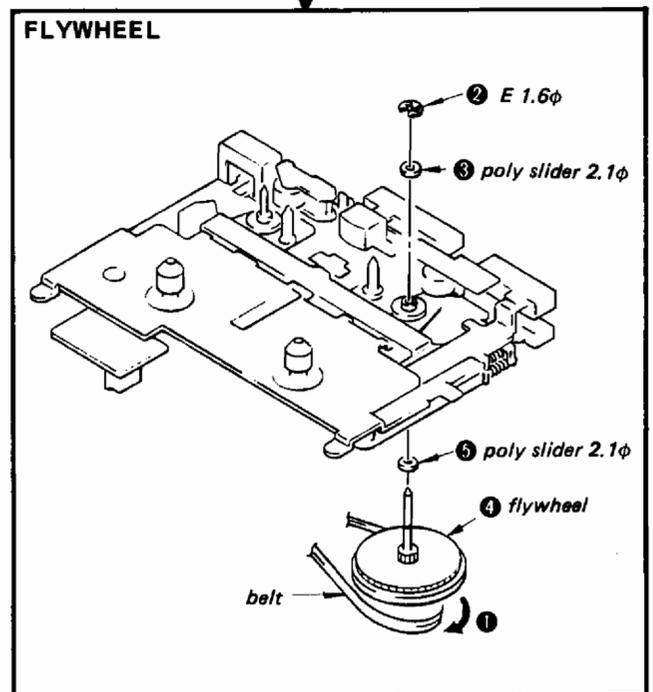
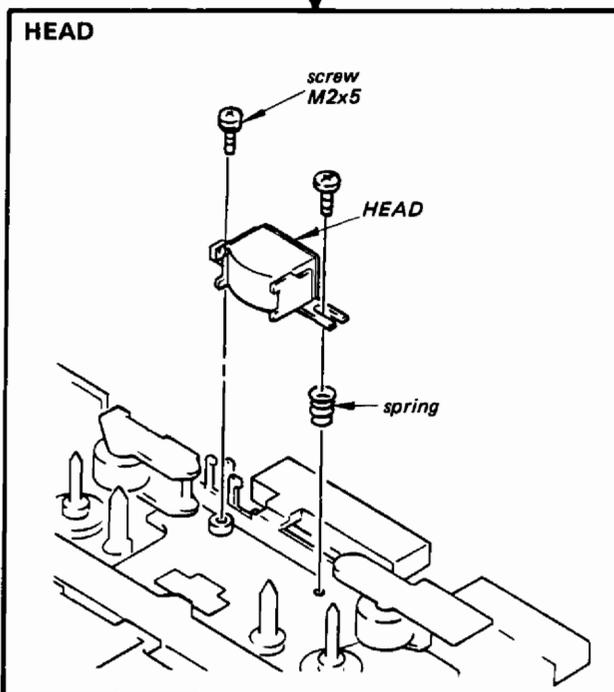
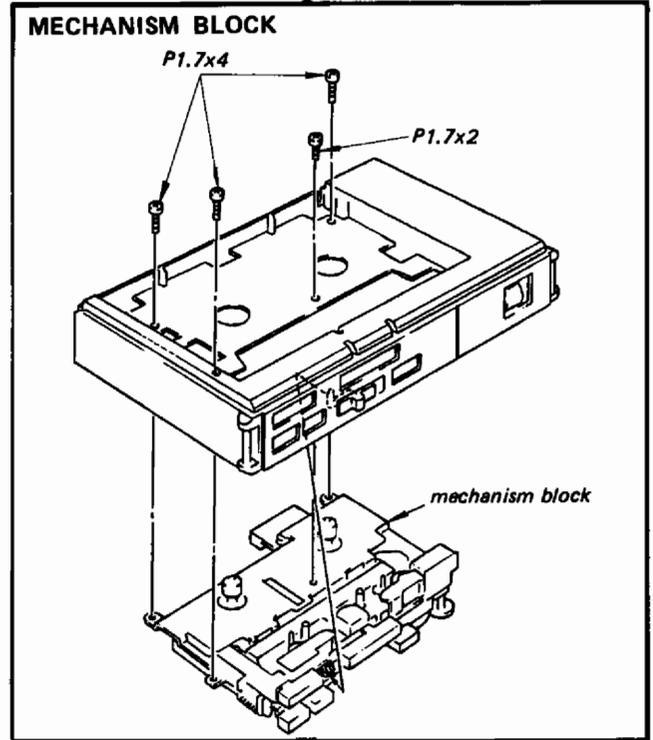
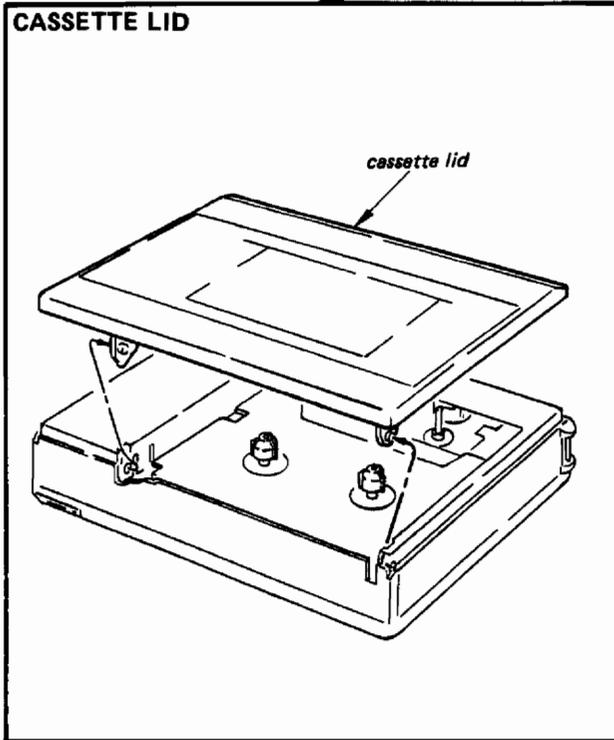


R-CH
SAME AS L-CH

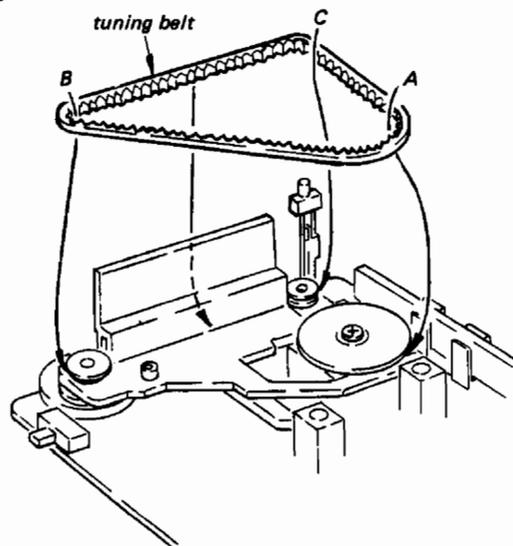
SECTION 2 DISASSEMBLY

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

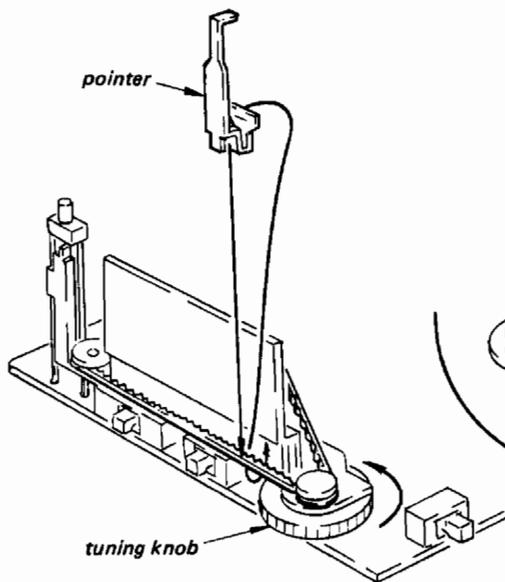




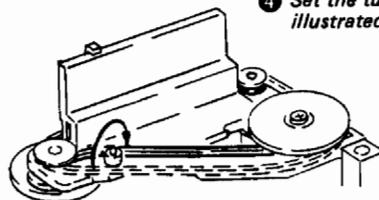
TUNING BELT SETTING



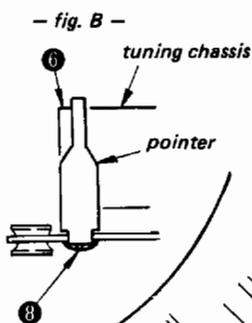
- 1 Set the tuning belt in the alphabetical order given.



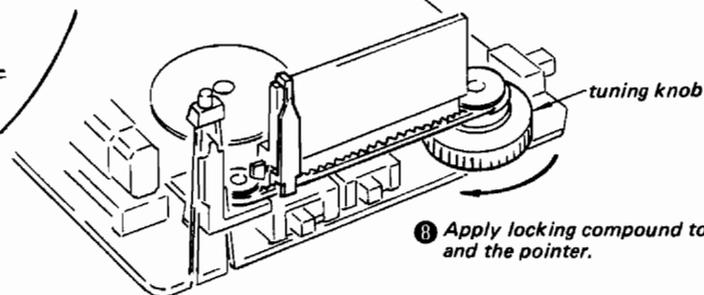
- 2 Turn the tuning knob fully counterclockwise
- 3 Set the pointer as illustrated in the figure.
- 4 Set the tuning belt as illustrated in fig. A.



- fig. A -



- 5 Turn the tuning knob fully clockwise.
- 6 Set the left end of pointer to the left end of tuning chassis.
- 7 Turn the tuning knob fully clockwise, then turn fully counterclockwise to confirm that the pointer is set as illustrated in fig. B.



- 8 Apply locking compound to fix the tuning belt and the pointer.

SECTION 3 ADJUSTMENTS

3-1. MECHANICAL ADJUSTMENTS

PRECAUTION

1. Clean the following parts with a denatured-alcohol-moistened swab:

| | |
|---------------|--------------|
| playback head | pinch roller |
| capstan | idlers |
| rubber belts | |
2. Demagnetize the playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

Torque Measurement

| Torque | Meter Reading | Torque Meter |
|----------------------------|-----------------------------------|--------------|
| Forward | 25–50g·cm (0.35–0.7 oz·inch) | CQ-102C |
| Fast Forward and Rewind | 60–200 g·cm (0.84–2.8 oz·inch) | CQ-201B |
| Back Tension | 1–5 g·cm (0.014–0.07 oz·inch) | CQ-102C |

Tape Tension Measurement

| Meter | Meter Reading |
|---------|-------------------------|
| CQ-403A | more than 50g (1.76 oz) |

3-2. ELECTRICAL ADJUSTMENTS

CASSETTE Section

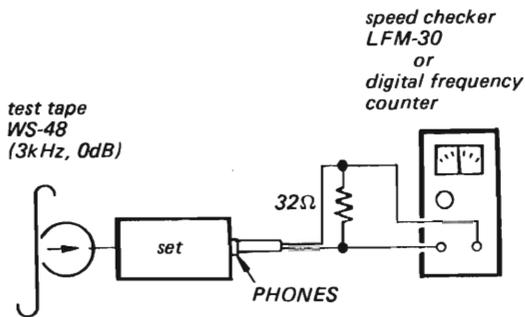
Tape Speed Adjustment

Setting:

VOL control: mechanical mid

Procedure:

Mode: playback



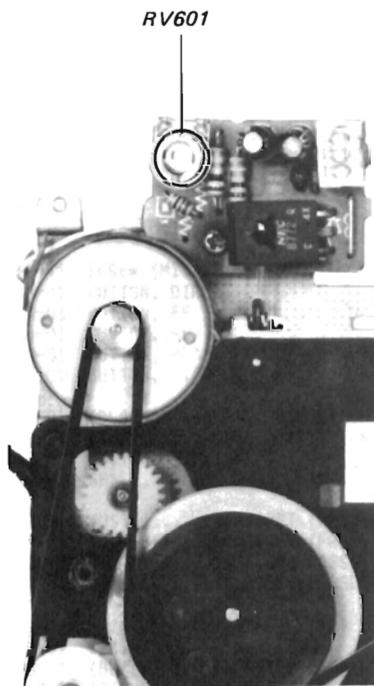
| |
|----------------------|
| Speed checker |
| -0 -- +0.5% |

| |
|----------------------------------|
| Digital frequency counter |
| 3,000-3,015Hz |

Specifications:

Frequency difference between beginning and end of tape should be within $\pm 2\%$ (60Hz).

Adjustment Location:

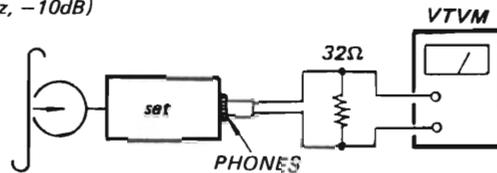


Playback Head Azimuth Adjustment

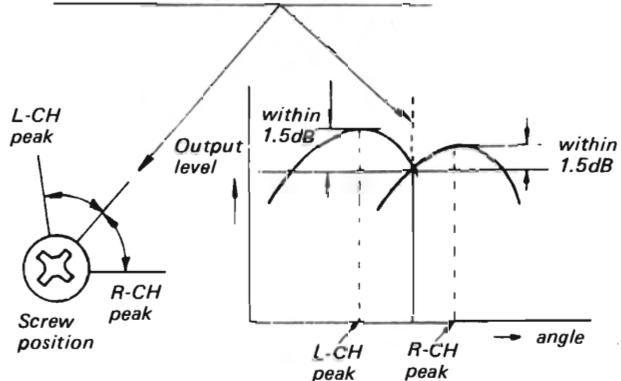
Procedure:

1. Mode: playback

test tape
P-4-A100
(6.3kHz, -10dB)



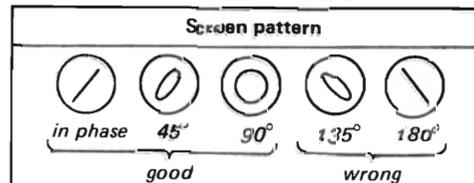
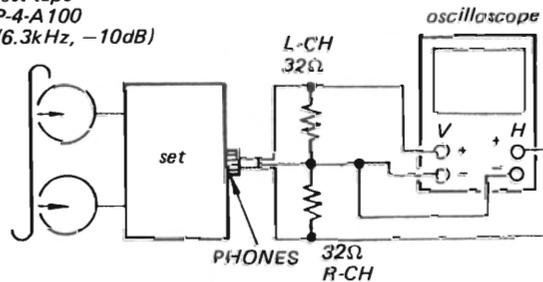
2. Turn the adjustment screw for the maximum output levels. If these levels do not match, turn the adjustment screw until both of output levels match together within 1.5dB.



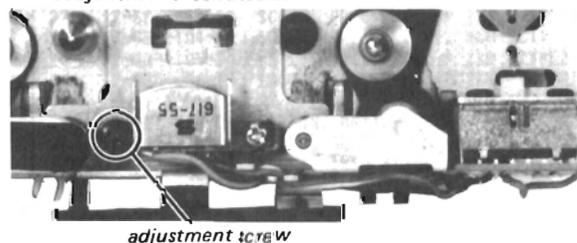
3. Phase Check

Mode: playback

test tape
P-4-A100
(6.3kHz, -10dB)



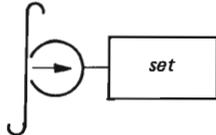
Adjustment Location:



DOLBY NR Adjustment**Setting:**

TAPE Switch: NORM
DOLBY NR Switch: OFF

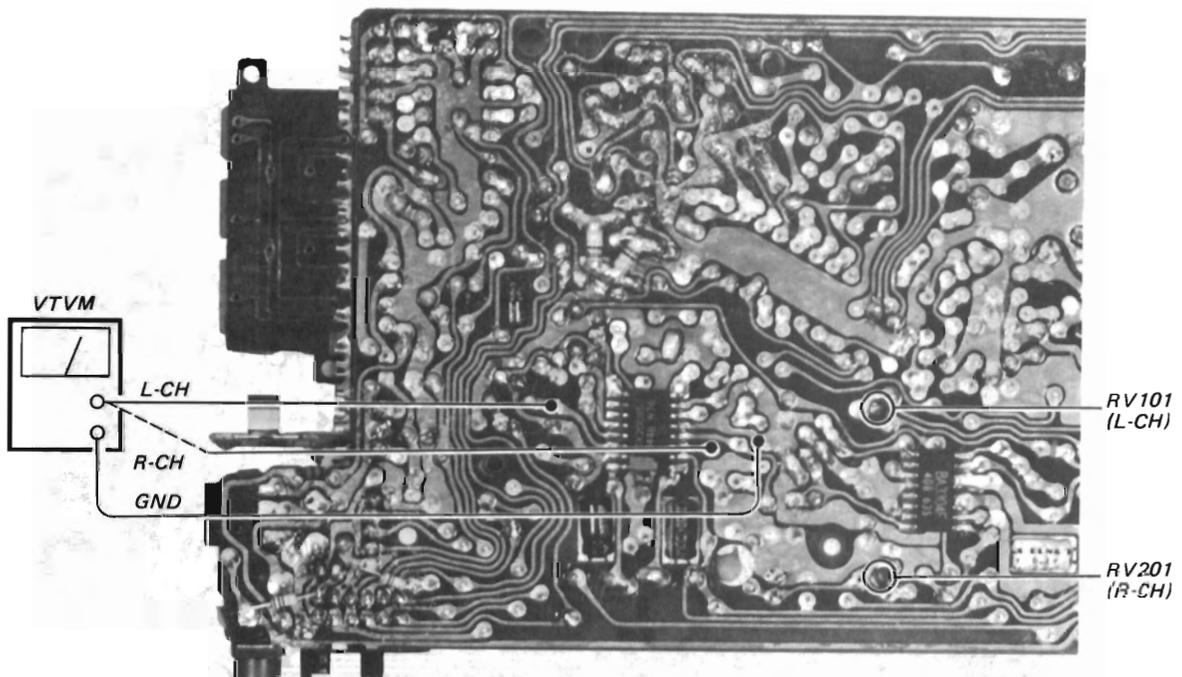
*test tape
P-4-L300
(315Hz, 0dB)*

**Procedure:**

Adjust RV101 (L-CH), RV201 (R-CH) for
-27.7dB \pm 0.5dB (0.030V-0.033V)
reading on the VTVM.

Adjustment Location:

Main board

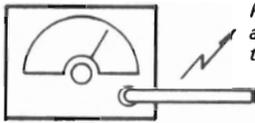


AM Section

- Setting:

FUNCTION Switch: RADIO
 Band Switch: AM

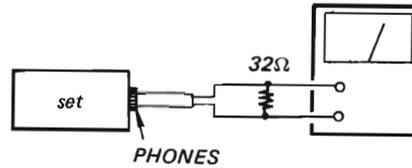
AM RF SG



Put the lead-wire antenna close to the set.

30% amplitude modulation by 400 Hz signal

VTVM
 (0.5-5V AC range)

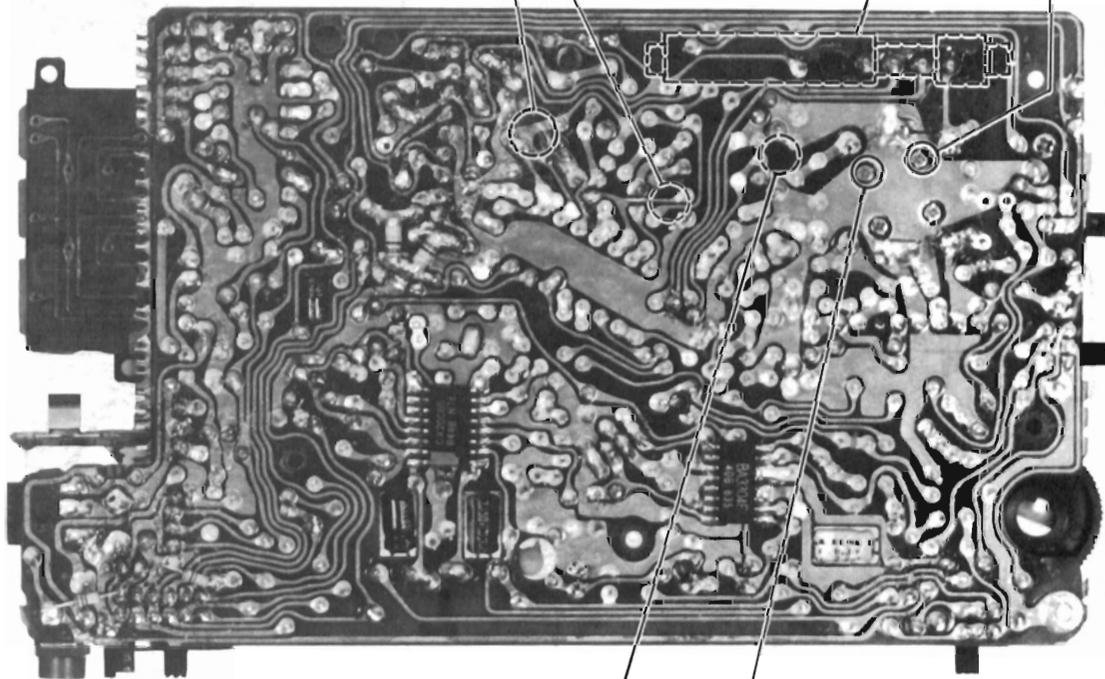


- Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.

| AM IF ADJUSTMENT | |
|---------------------------------------|--------|
| Adjust for a maximum reading on VTVM. | |
| 455kHz | T4, T2 |

| AM TRACKING ADJUSTMENT | |
|---------------------------------------|----------|
| Adjust for a maximum reading on VTVM. | |
| 620kHz | 1,400kHz |
| L3 (AM ANT) | CT3 |

Main board

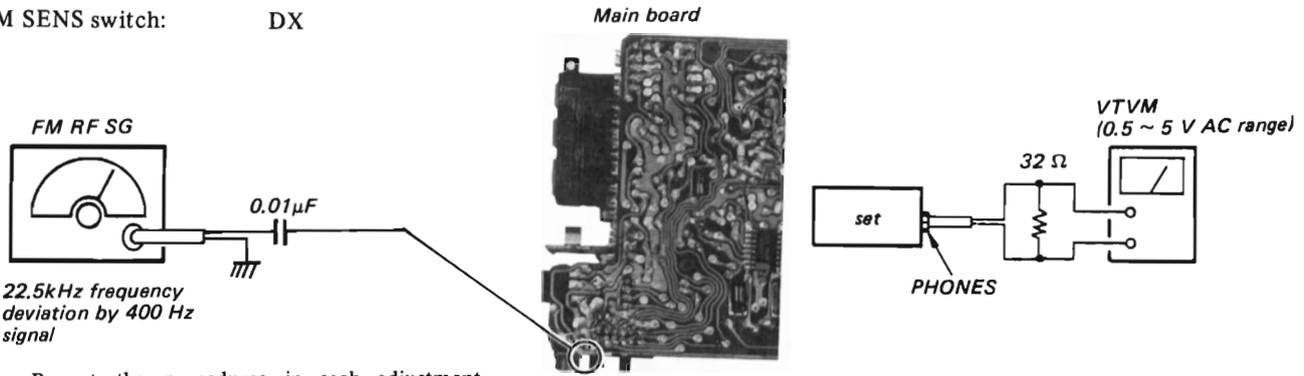


| L4 | CT4 |
|---------------------------------------|----------|
| 520kHz | 1,680kHz |
| Adjust for a maximum reading on VTVM. | |
| AM FREQUENCY COVERAGE ADJUSTMENT | |

FM Section

Setting:

FUNCTION switch: RADIO
 BAND switch: FM
 FM SENS switch: DX



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

VCO Adjustment

Procedure:
 FM rf signal generator

Carrier frequency: 98MHz
 Modulation: 1kHz deviation (30%)
 Output level: 562µV (55dB)

IC3
 1
 3
 6
 9

RV1

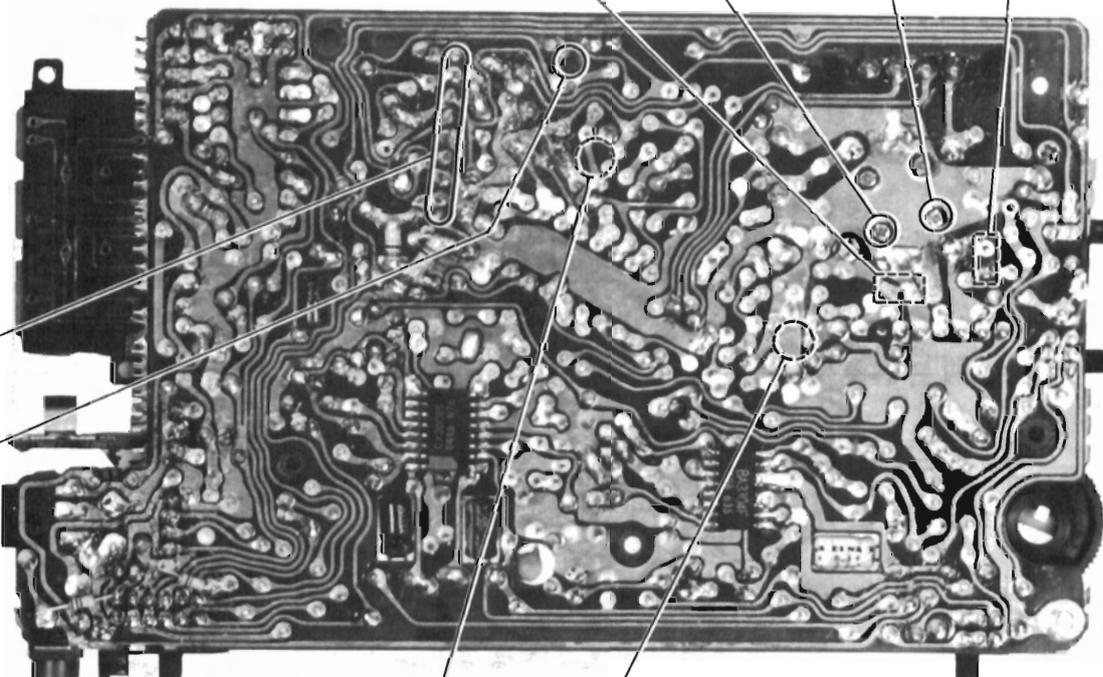
1. Tune the set to 98MHz.
2. Adjust RV1 for 38kHz ±200Hz on the counter.

| FM FREQUENCY COVERAGE ADJUSTMENT | |
|---------------------------------------|----------|
| Adjust for a maximum reading on VTVM. | |
| 86.5MHz | 109.5MHz |
| L2 | CT2 |

| FM TRACKING ADJUSTMENT | |
|---------------------------------------|--------|
| Adjust for a maximum reading on VTVM. | |
| 109.5MHz | 86.5Hz |
| CT1 | L1 |

Main board

IC3



| T3 | T1 |
|---------------------------------------|----|
| Adjust for a maximum reading on VTVM. | |
| FM IF ADJUSTMENT | |

[MEMO

S:

Lined area for writing the memo content.

SECTION 4
DIAGRAMS

41. MOUNTING DIAGRAM
- Conductor Side -

| | | | | | | | | | | | | |
|----|---|-------|-----|---|-------|---|---|---|-----|-------|-----|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| IC | | IC601 | 601 | | IC304 | | | | 302 | IC302 | | IC3 |
| Q | | | | | | | | | | | 301 | IC303 |
| D | | | | | | | | | 302 | | | |

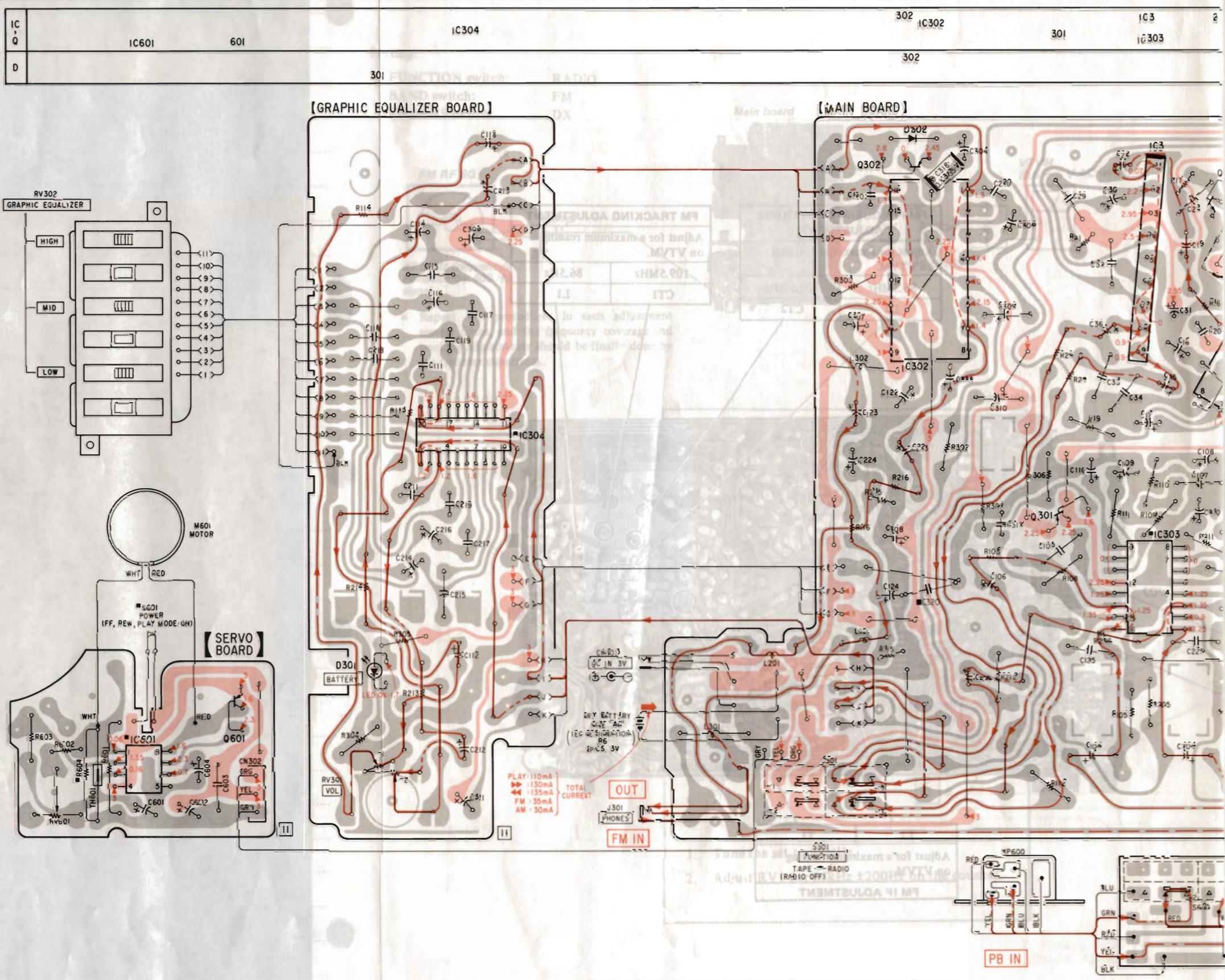
● Semiconductor Lead Layouts

| | | |
|--|---|--------------------------|
| <p>2SA1048 2SC2839</p> | <p>TA7358AP TA7370P</p> | <p>1SS133</p> |
| <p>2SB772</p> | <p>TA7688P</p> | <p>SLP177B-60</p> |
| <p>AN6612S</p> | <p>TA7757P</p> | |
| <p>BA3304F CX20085</p> | <p>TK10580M</p> | |

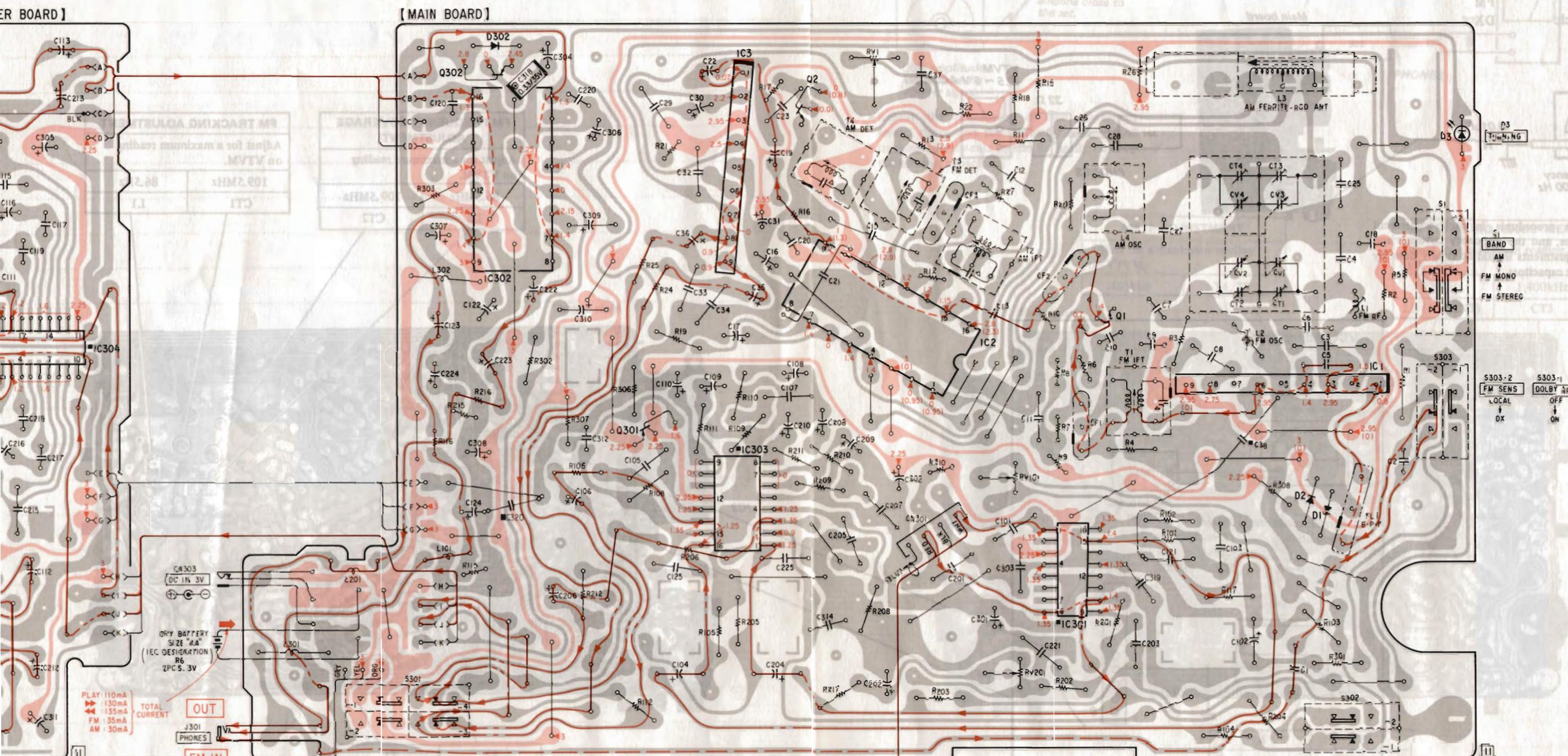
Note:

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

A
B
C
D
E
F
G
H
I
J



| | | | | | | |
|-------|-----------|-----------|-------|---------|-------|-------|
| IC304 | 302 IC302 | 301 IC303 | 2 IC2 | 1 IC301 | 1 IC1 | 3 IC0 |
| | 302 | | | | 2 1 | D |



FUNCTION SW
BAND SW
FM SENS SW
DOLBY NR SW
LOCAL DX SW

AM FERRITE-ROD ANT

AM OSC

FM OSC

FM IFT

FM DET

AM DET

BAND
AM
FM MONO
FM STEREO

S303-2
FM SENS
LOCAL
DX

S303-1
DOLBY NR
OFF
ON

S302
TAPE
METAL

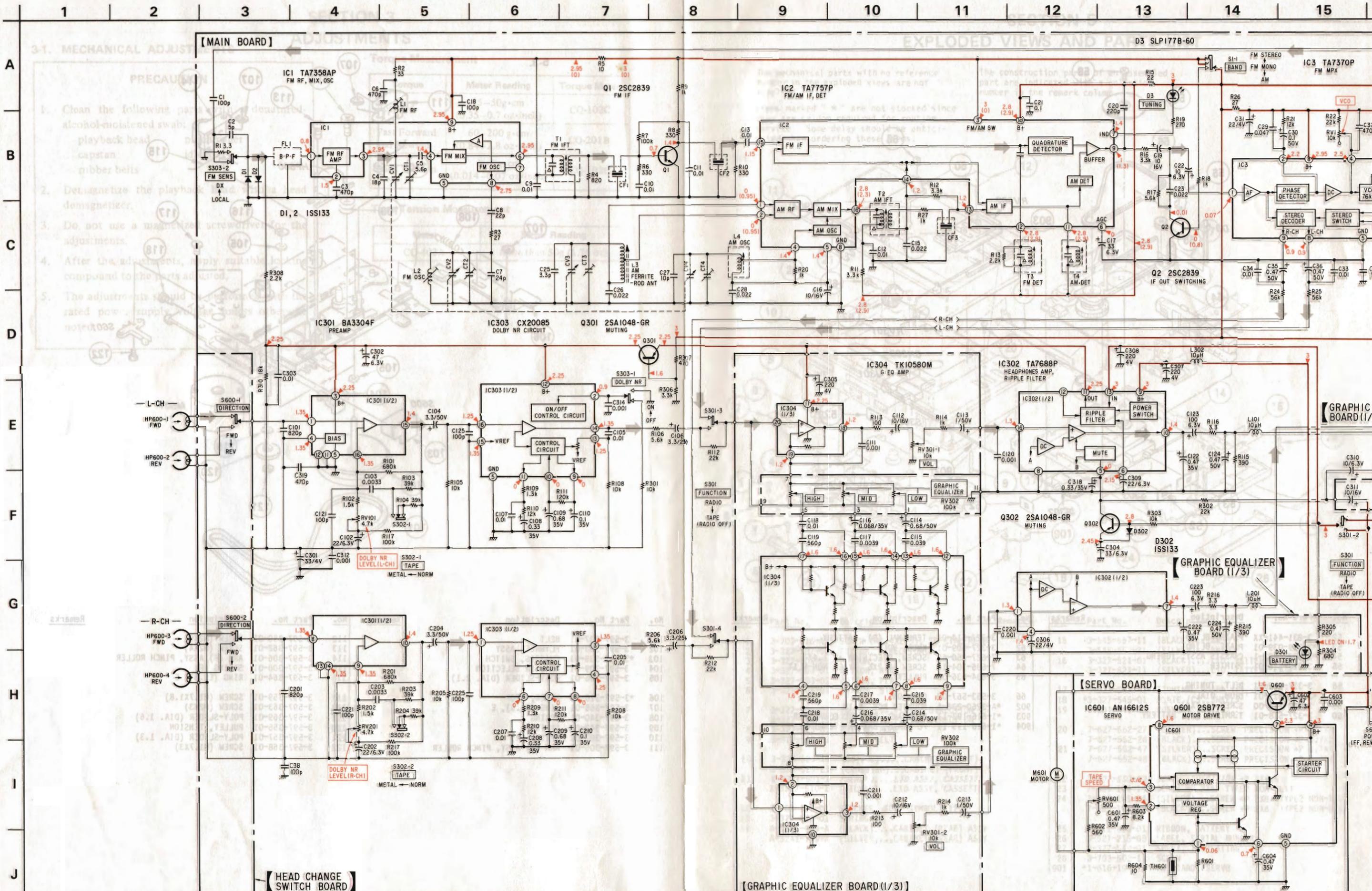
HP600

RED
YEL
GRN
BLU
BLK

RED
YEL
GRN
BLU
BLK

REV → PWD

4-2. SCHEMATIC DIAGRAM



SECTION 5 EXPLODED VIEWS AND PARTS LIST

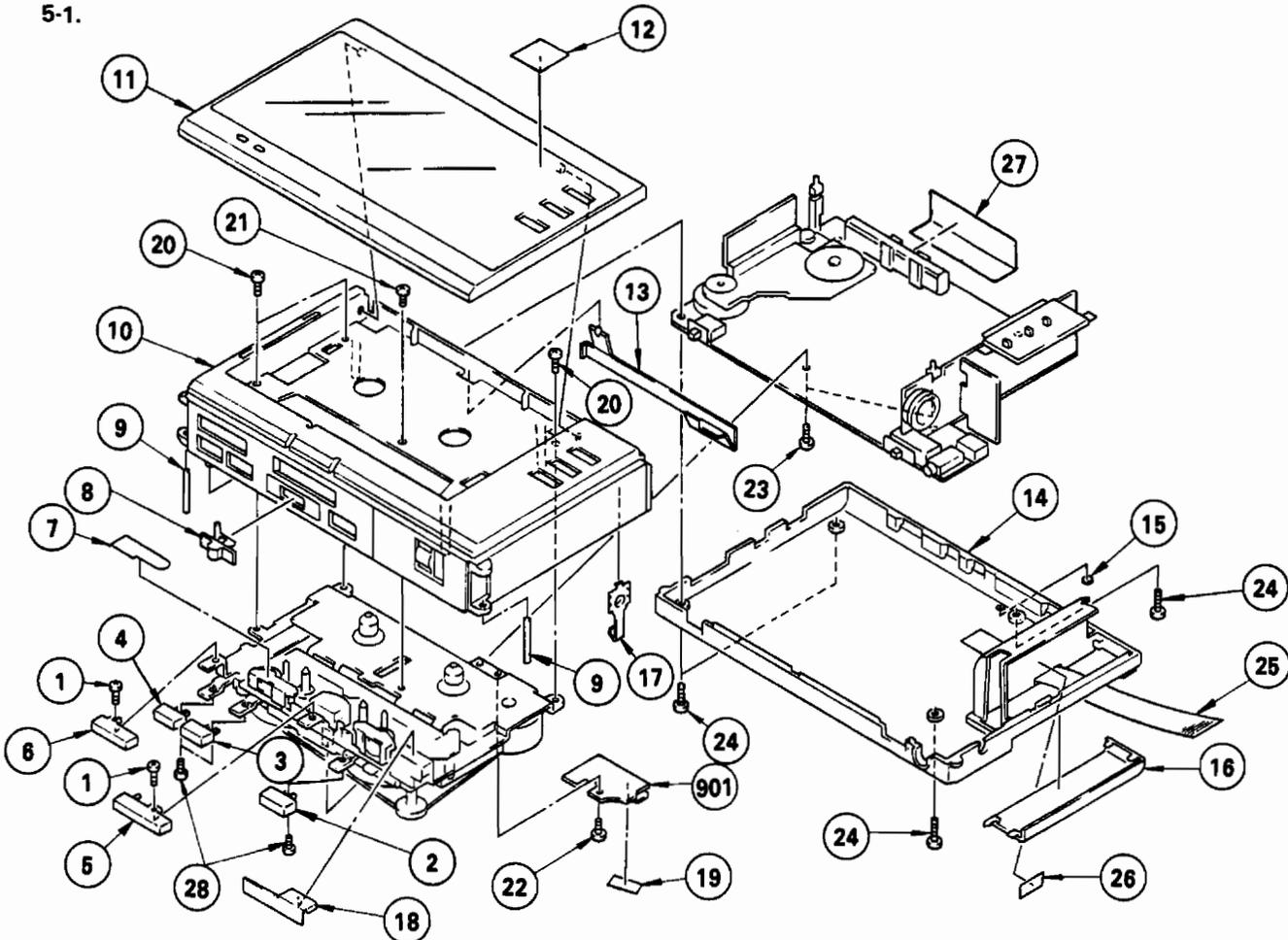
NOTE:

The mechanical parts with no reference number in the exploded views are not supplied.

The construction parts of an assembled part are indicated with a collation number in the remark column.

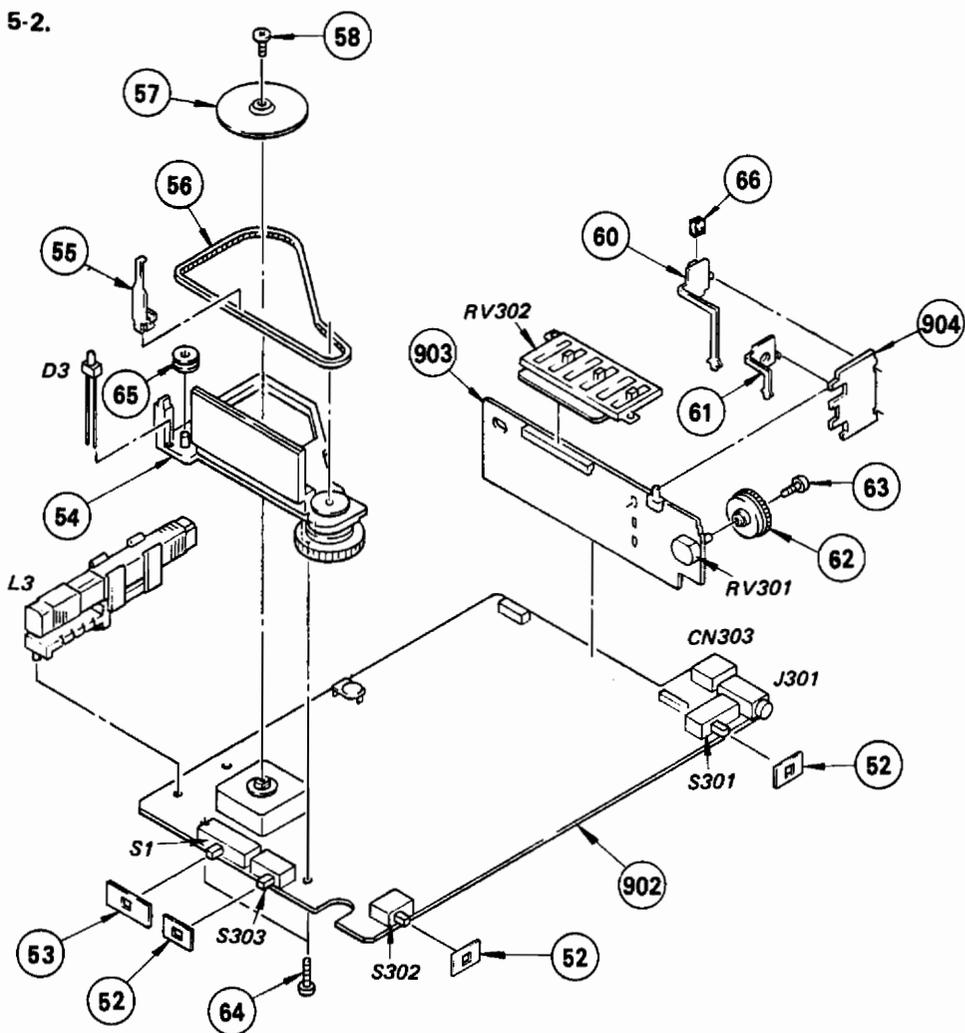
Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

5-1.



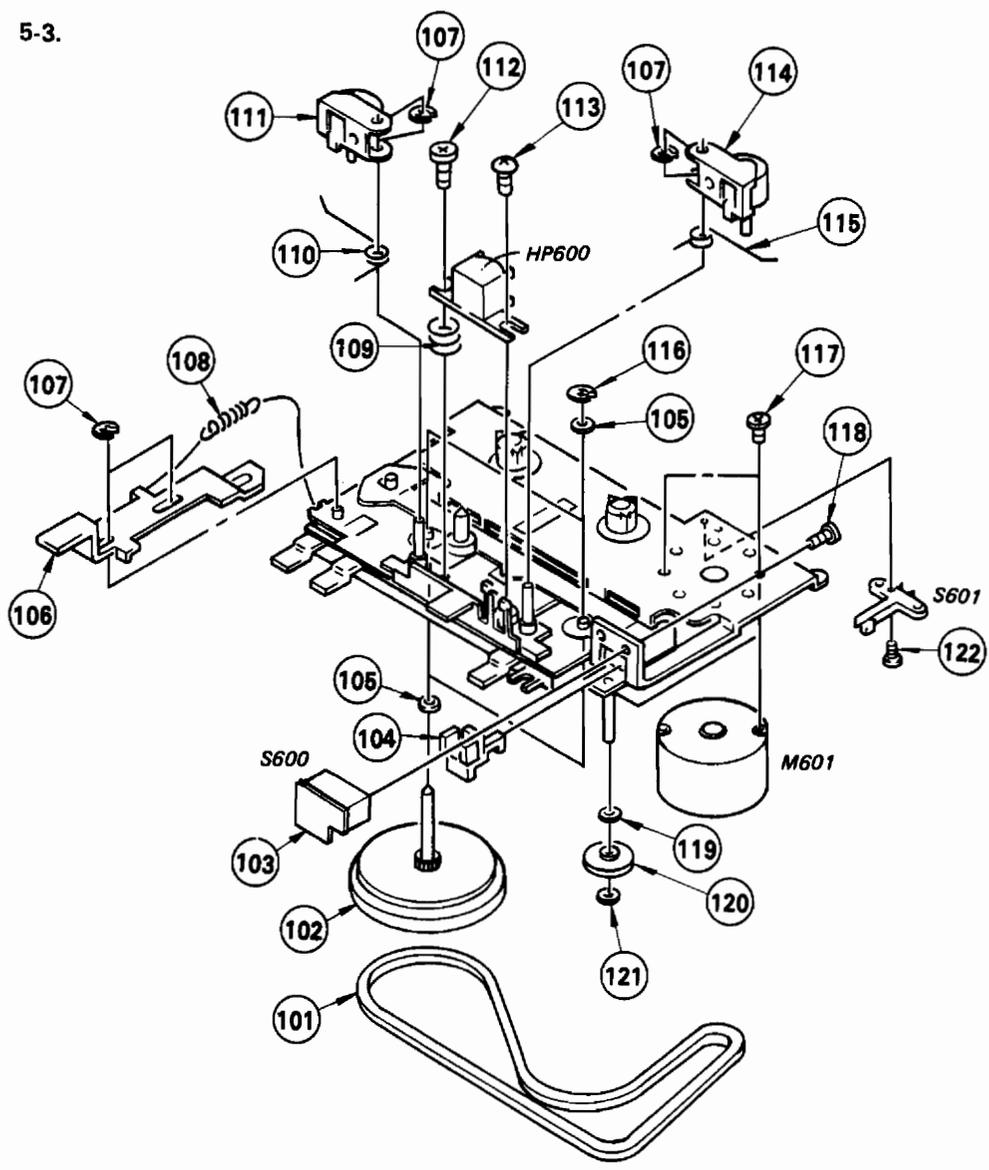
| No. | Part No. | Description | Remarks | No. | Part No. | Description | Remarks |
|-----|--------------|--------------------------------|---------|-----|---------------|--|---------|
| 1 | 3-703-816-42 | SCREW (M1.4X2.5), SPECIAL HEAD | | 15 | 3-545-657-11 | (BLACK)...BUSH | |
| 2 | 3-327-507-01 | BUTTON, DIRECTION | | | 3-545-657-21 | (SILVER)...BUSH | |
| 3 | 3-327-505-01 | BUTTON, FF | | 16 | 3-327-521-01 | (BLACK)...LID, BATTERY CASE | |
| 4 | 3-327-504-01 | BUTTON, REW | | | 3-327-521-11 | (SILVER)...LID, BATTERY CASE | |
| 5 | 3-327-503-01 | BUTTON, PLAY | | 17 | 3-327-511-01 | TERMINAL BOARD (A), BATTERY | |
| 6 | 3-327-506-01 | BUTTON, STOP | | 18 | *3-327-545-01 | PLATE (C), SHIELD | |
| 7 | 3-327-508-01 | (BLACK)...PLATE, DIRECTION | | 19 | 3-831-441-XX | CUSHION (B) | |
| | 3-327-508-11 | (SILVER)...PLATE, DIRECTION | | 20 | 7-627-552-27 | (SILVER)...SCREW, PRECISION +P 1.7X2 | |
| 8 | 3-327-513-01 | BUTTON, MODE | | | 7-627-552-28 | (BLACK)...SCREW, PRECISION +P 1.7X2 | |
| 9 | 3-327-510-01 | SHAFT, BELT | | 21 | 7-627-552-47 | (SILVER)...SCREW, PRECISION +P 1.7X4 | |
| 10 | 3-327-523-11 | (US).....CABINET (FRONT) | | | 7-627-552-48 | (BLACK)...SCREW, PRECISION +P 1.7X4 | |
| | 3-327-523-21 | (Canadian)...CABINET (FRONT) | | 22 | 7-627-553-58 | SCREW, PRECISION +P 2X4.5 | |
| 11 | X-3327-501-1 | (BLACK)...LID ASSY, CASSETTE | | 23 | 7-685-104-14 | SCREW +P 2X6 TYPE2 NON-SLIT | |
| | X-3327-510-1 | (SILVER)...LID ASSY, CASSETTE | | 24 | 7-685-105-14 | (SILVER)...SCREW +P 2X8 TYPE2 NON-SLIT | |
| 12 | 3-703-710-01 | STICKER, SONY SYMBOL (12) | | | 7-685-105-19 | (BLACK)...SCREW +P 2X8 TYPE2 NON-SLIT | |
| 13 | 3-327-520-01 | SPRING | | 25 | 9-911-816-01 | RIBBON, BATTERY | |
| 14 | A-3241-089-A | (BLACK)...CABINET (REAR) ASSY | | 26 | 3-527-213-00 | LABEL, SERIAL NUMBER | |
| | A-3241-109-A | (SILVER)...CABINET (REAR) ASSY | | 27 | 3-327-549-01 | SHEET, INSULATING | |
| | | | | 28 | 3-703-502-11 | SCREW | |
| | | | | 901 | *1-616-194-11 | PC BOARD, SERVO | |

5-2.



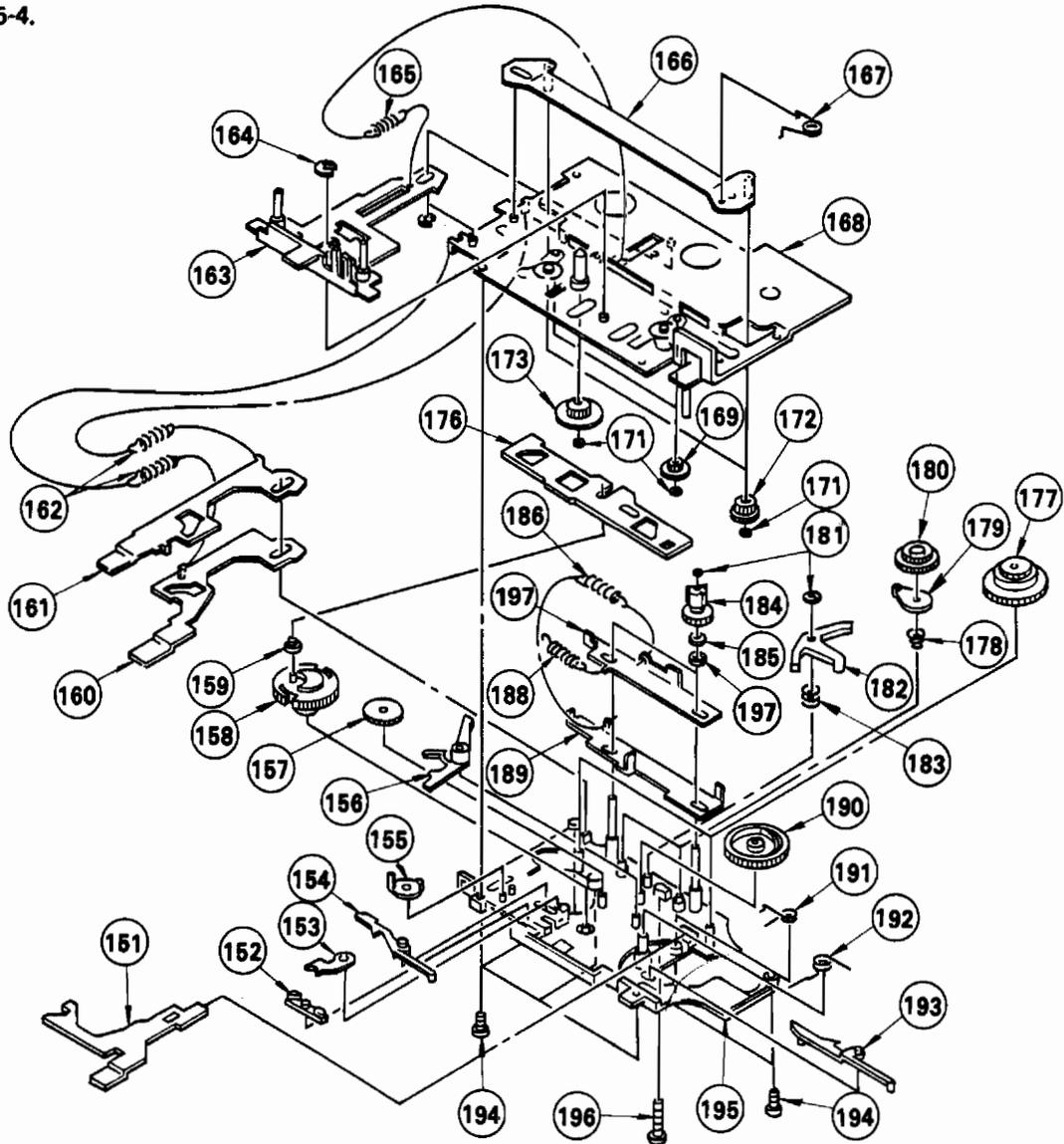
| No. | Part No. | Description | Remarks | No. | Part No. | Description | Remarks |
|-----|---------------|-----------------------|---------|-----|---------------|-----------------------------|---------|
| 52 | 3-831-441-XX | PLATE, BLIND | | 61 | 3-327-514-01 | TERMINAL (B), BATTERY | |
| 53 | *3-319-039-01 | PLATE, BLIND | | 62 | 3-327-509-01 | KNOB, VOL | |
| 54 | *X-3327-503-1 | CHASSIS ASSY, TUNING | | 63 | 7-627-850-68 | SCREW, PRECISION +P 1.4X4 | |
| 55 | 3-327-516-01 | POINTER | | 64 | 7-685-104-14 | SCREW +P 2X6 TYPE2 NON-SLIT | |
| 56 | 3-327-512-01 | BELT, TUNING | | 65 | 3-834-636-00 | PULLEY | |
| 57 | *3-327-517-01 | DRUM, DIAL | | 66 | 3-553-567-00 | CUSHION | |
| 58 | 3-888-156-00 | SCREW (1.7X4) | | 902 | *A-3260-298-A | MOUNTED PCB, MAIN | |
| 60 | 3-327-518-01 | TERMINAL (C), BATTERY | | 903 | *1-616-193-11 | PC BOARD, GRAPHIC EQUALIZER | |
| | | | | 904 | *1-616-195-11 | PC BOARD, BATTERY TERMINAL | |

5-3.



| No. | Part No. | Description | Remarks | No. | Part No. | Description | Remarks |
|-----|---------------|----------------------------|---------|-----|--------------|----------------------------|---------|
| 101 | 3-597-337-01 | BELT | | 112 | 3-597-350-01 | SCREW (M2X5) | |
| 102 | 3-597-338-01 | FLYWHEEL ASSY | | 113 | 3-597-362-01 | SCREW (M2X4) | |
| 103 | *3-597-335-01 | CHASSIS, SWITCH | | 114 | 3-597-306-01 | ARM (F) ASSY, PINCH ROLLER | |
| 104 | 3-597-309-01 | ARM, SW SELECTION | | 115 | 3-597-308-01 | SPRING (F) | |
| 105 | 3-597-356-01 | POLY-SLIDER (DIA. 2.1) | | 116 | 3-597-364-01 | RING (E1.6), E | |
| 106 | *3-597-310-01 | LEVER, STOP | | 117 | 3-597-359-01 | SCREW (M1.7X1.8) | |
| 107 | 3-597-365-01 | RING (E1.5), E | | 118 | 3-597-363-01 | SCREW (M2X3) | |
| 108 | 3-597-340-01 | SPRING | | 119 | 3-597-369-01 | POLY-SLIDER (DIA. 1.6) | |
| 109 | 3-597-342-01 | SPRING | | 120 | 3-597-355-01 | PULLEY, TENSION | |
| 110 | 3-597-307-01 | SPRING (R) | | 121 | 3-597-357-01 | POLY-SLIDER (DIA. 1.3) | |
| 111 | 3-597-305-01 | ARM (R) ASSY, PINCH ROLLER | | 122 | 3-597-368-01 | SCREW (M1.7X3) | |

5-4.



| No. | Part No. | Description | Remarks | No. | Part No. | Description | Remarks |
|-----|---------------|------------------------|---------|-----|---------------|-------------------------|---------|
| 151 | *3-597-317-01 | LEVER, PROGRAM | | 176 | *3-597-331-01 | LEVER, REVERSE | |
| 152 | 3-597-320-01 | LEVER, CANCEL | | 177 | 3-597-326-01 | GEAR ASSY, FRICTION | |
| 153 | 3-597-318-01 | LEVER, MODE | | 178 | 3-597-346-01 | SPRING | |
| 154 | 3-597-321-01 | LEVER (B), SHUT-OFF | | 179 | 3-597-327-01 | CAM, DETECTION | |
| 155 | 3-597-319-01 | LEVER (A), SHUT-OFF | | 180 | 3-597-328-01 | GEAR, MIDWAY | |
| 156 | 3-597-323-01 | ARM, GEAR LOCK | | 181 | 3-597-358-01 | POLY-SLIDER (DIA. 1.6) | |
| 157 | 3-597-325-01 | GEAR (B), DECELERATION | | 182 | 3-597-354-01 | ARM, DETECTION | |
| 158 | 3-597-324-01 | GEAR, SELECTOR | | 183 | 3-597-351-01 | SPRING | |
| 159 | 3-597-349-01 | ROLLER, SELECT | | 184 | 3-597-315-01 | SPINDLE ASSY, REEL | |
| 160 | *3-597-312-01 | LEVER, FF | | 185 | 3-597-356-01 | POLY-SLIDER (DIA. 2.1) | |
| 161 | *3-597-311-01 | LEVER, REW | | 186 | 3-597-345-01 | SPRING | |
| 162 | 3-597-339-01 | SPRING | | 187 | *3-597-314-01 | PLATE, LOCK | |
| 163 | 3-597-303-01 | BASE ASSY, HEAD | | 188 | 3-597-353-01 | SPRING | |
| 164 | 3-597-366-01 | RING (E2), E | | 189 | *3-597-313-01 | PLATE, FUNCTION, SWITCH | |
| 165 | 3-597-341-01 | SPRING | | 190 | 3-597-322-01 | GEAR, DETECTION | |
| 166 | *3-597-304-01 | ARM ASSY, FR | | 191 | 3-597-344-01 | SPRING | |
| 167 | 3-597-347-01 | SPRING | | 192 | 3-597-343-01 | SPRING | |
| 168 | 3-597-301-01 | CHASSIS | | 193 | 3-597-316-01 | RATCHET | |
| 169 | 3-597-330-01 | GEAR, T,U | | 194 | 3-597-360-01 | SCREW (M2X4.5) | |
| 170 | 3-597-365-01 | RING (E1.5), E | | 195 | 3-597-302-01 | BASE ASSY, GEAR | |
| 172 | 3-597-332-01 | GEAR, F,R | | 196 | 3-597-361-01 | SCREW (M2X8) | |
| 173 | 3-597-329-01 | GEAR (A), DECELERATION | | 197 | 3-597-367-01 | RING (E2.5), E | |

NOTE:

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

If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:

MF:µF, PF:µµF.

RESISTORS

All resistors are in ohms.

F : nonflammable

COILS

MMH : mH, UH : µH

SEMICONDUCTORS

In each case, U : µ, for example:

UA...: µA..., UPA...: µPA..., UPC...: µPC,

UPD...: µPD...

ELECTRICAL PARTS

| Ref.No. | Part No. | Description | | | | |
|---------|---------------|-----------------------------|----------|-----|------|--|
| 901 | *1-616-194-11 | PC BOARD, SERVO | | | | |
| 902 | *A-3260-298-A | MOUNTED PCB, MAIN | | | | |
| 903 | *1-616-193-11 | PC BOARD, GRAPHIC EQUALIZER | | | | |
| 904 | *1-616-195-11 | PC BOARD, BATTERY TERMINAL | | | | |
| 905 | *A-3260-299-A | PC BOARD ASSY | | | | |
| 906 | *1-562-930-11 | SOCKET, CONNECTOR 4P | | | | |
| 907 | *1-535-366-21 | CONTACT | | | | |
| C1 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V | |
| C2 | 1-102-807-00 | CERAMIC | 5PF | 1PF | 50V | |
| C3 | 1-162-290-31 | CERAMIC | 470PF | 10% | 50V | |
| C4 | 1-162-205-31 | CERAMIC | 18PF | 5% | 50V | |
| C5 | 1-162-196-31 | CERAMIC | 5.6PF | 10% | 50V | |
| C6 | 1-162-290-31 | CERAMIC | 470PF | 10% | 50V | |
| C7 | 1-102-515-00 | CERAMIC | 24PF | 5% | 50V | |
| C8 | 1-162-207-31 | CERAMIC | 22PF | 5% | 50V | |
| C9 | 1-161-013-00 | CERAMIC | 0.01MF | 20% | 25V | |
| C10 | 1-161-013-00 | CERAMIC | 0.01MF | 20% | 25V | |
| C11 | 1-162-306-31 | CERAMIC | 0.01MF | 30% | 16V | |
| C12 | 1-162-306-31 | CERAMIC | 0.01MF | 30% | 16V | |
| C13 | 1-162-306-31 | CERAMIC | 0.01MF | 30% | 16V | |
| C15 | 1-161-494-00 | CERAMIC | 0.022MF | 30% | 25V | |
| C16 | 1-123-617-00 | ELECT | 10MF | 20% | 16V | |
| C17 | 1-123-646-00 | ELECT | 33MF | 20% | 6.3V | |
| C18 | 1-102-106-00 | CERAMIC | 100PF | 10% | 50V | |
| C19 | 1-123-617-00 | ELECT | 10MF | 20% | 16V | |
| C20 | 1-102-110-00 | CERAMIC | 220PF | 10% | 50V | |
| C21 | 1-161-773-00 | CERAMIC | 0.1MF | 20% | 25V | |
| C22 | 1-124-435-00 | ELECT | 10MF | 20% | 6.3V | |
| C23 | 1-161-055-00 | CERAMIC | 0.022MF | 20% | 25V | |
| C25 | 1-162-193-31 | CERAMIC | 3.3PF | 10% | 50V | |
| C26 | 1-161-055-00 | CERAMIC | 0.022MF | 20% | 25V | |
| C27 | 1-162-199-31 | CERAMIC | 10PF | 5% | 50V | |
| C28 | 1-161-055-00 | CERAMIC | 0.022MF | 20% | 25V | |
| C29 | 1-161-059-00 | CERAMIC | 0.047MF | 20% | 25V | |
| C30 | 1-123-607-00 | ELECT | 0.1MF | 20% | 50V | |
| C31 | 1-124-430-00 | ELECT | 22MF | 20% | 4V | |
| C32 | 1-161-059-00 | CERAMIC | 0.047MF | 20% | 25V | |
| C33 | 1-162-306-31 | CERAMIC | 0.01MF | 30% | 16V | |
| C34 | 1-162-306-31 | CERAMIC | 0.01MF | 30% | 16V | |
| C35 | 1-124-465-00 | ELECT | 0.47MF | 20% | 50V | |
| C36 | 1-124-465-00 | ELECT | 0.47MF | 20% | 50V | |
| C37 | 1-130-500-00 | MYLAR | 470PF | 10% | 50V | |
| C38 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V | |
| C101 | 1-162-293-31 | CERAMIC | 820PF | 10% | 50V | |
| C102 | 1-123-618-00 | ELECT | 22MF | 20% | 6.3V | |
| C103 | 1-162-303-31 | CERAMIC | 0.0033MF | 20% | 16V | |

ELECTRICAL PARTS

| Ref.No. | Part No. | Description | | | | |
|---------|--------------|-------------|----------|-----|------|--|
| C104 | 1-123-613-00 | ELECT | 3.3MF | 20% | 50V | |
| C105 | 1-162-585-00 | CERAMIC | 0.01MF | 5% | 16V | |
| C106 | 1-124-436-00 | ELECT | 3.3MF | 20% | 25V | |
| C107 | 1-162-585-00 | CERAMIC | 0.01MF | 5% | 16V | |
| C108 | 1-131-344-00 | TANTALUM | 0.33MF | 20% | 35V | |
| C109 | 1-131-346-00 | TANTALUM | 0.68MF | 20% | 35V | |
| C110 | 1-131-341-00 | TANTALUM | 0.1MF | 20% | 35V | |
| C111 | 1-161-039-00 | CERAMIC | 0.001MF | 20% | 25V | |
| C112 | 1-123-617-00 | ELECT | 10MF | 20% | 16V | |
| C113 | 1-123-611-00 | ELECT | 1MF | 20% | 50V | |
| C114 | 1-124-254-00 | ELECT | 0.68MF | 20% | 50V | |
| C115 | 1-161-058-00 | CERAMIC | 0.039MF | 10% | 25V | |
| C116 | 1-131-401-00 | TANTALUM | 0.068MF | 20% | 35V | |
| C117 | 1-161-046-00 | CERAMIC | 0.0039MF | 10% | 25V | |
| C118 | 1-162-306-31 | CERAMIC | 0.01MF | 30% | 16V | |
| C119 | 1-102-115-00 | CERAMIC | 560PF | 10% | 50V | |
| C120 | 1-161-039-00 | CERAMIC | 0.001MF | 20% | 25V | |
| C121 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V | |
| C122 | 1-131-345-00 | TANTALUM | 0.47MF | 20% | 35V | |
| C123 | 1-123-661-00 | ELECT | 100MF | 20% | 6.3V | |
| C124 | 1-123-610-00 | ELECT | 0.47MF | 20% | 50V | |
| C125 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V | |
| C201 | 1-162-293-31 | CERAMIC | 820PF | 10% | 50V | |
| C202 | 1-123-618-00 | ELECT | 22MF | 20% | 6.3V | |
| C203 | 1-162-303-31 | CERAMIC | 0.0033MF | 20% | 16V | |
| C204 | 1-123-613-00 | ELECT | 3.3MF | 20% | 50V | |
| C205 | 1-162-585-00 | CERAMIC | 0.01MF | 5% | 16V | |
| C206 | 1-124-436-00 | ELECT | 3.3MF | 20% | 25V | |
| C207 | 1-162-585-00 | CERAMIC | 0.01MF | 5% | 16V | |
| C208 | 1-131-344-00 | TANTALUM | 0.33MF | 20% | 35V | |
| C209 | 1-131-346-00 | TANTALUM | 0.68MF | 20% | 35V | |
| C210 | 1-131-341-00 | TANTALUM | 0.1MF | 20% | 35V | |
| C211 | 1-161-039-00 | CERAMIC | 0.001MF | 20% | 25V | |
| C212 | 1-123-617-00 | ELECT | 10MF | 20% | 16V | |
| C213 | 1-123-611-00 | ELECT | 1MF | 20% | 50V | |
| C214 | 1-124-254-00 | ELECT | 0.68MF | 20% | 50V | |
| C215 | 1-161-058-00 | CERAMIC | 0.039MF | 10% | 25V | |
| C216 | 1-131-401-00 | TANTALUM | 0.068MF | 20% | 35V | |
| C217 | 1-161-046-00 | CERAMIC | 0.0039MF | 10% | 25V | |
| C218 | 1-162-306-31 | CERAMIC | 0.01MF | 30% | 16V | |
| C219 | 1-102-115-00 | CERAMIC | 560PF | 10% | 50V | |
| C220 | 1-161-039-00 | CERAMIC | 0.001MF | 20% | 25V | |
| C221 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V | |
| C222 | 1-131-345-00 | TANTALUM | 0.47MF | 20% | 35V | |
| C223 | 1-123-661-00 | ELECT | 100MF | 20% | 6.3V | |

ELECTRICAL PARTS

| Ref.No. | Part No. | Description | | | |
|---------|--------------|---------------------------------|---------|-----|------|
| C224 | 1-123-610-00 | ELECT | 0.47MF | 20% | 50V |
| C225 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C301 | 1-124-220-00 | ELECT | 33MF | 20% | 4V |
| C302 | 1-123-647-00 | ELECT | 47MF | 20% | 6.3V |
| C303 | 1-162-294-31 | CERAMIC | 0.001MF | 10% | 50V |
| C304 | 1-123-646-00 | ELECT | 33MF | 20% | 6.3V |
| C305 | 1-123-827-00 | ELECT | 220MF | 20% | 4V |
| C306 | 1-124-430-00 | ELECT | 22MF | 20% | 4V |
| C307 | 1-124-434-00 | ELECT | 220MF | 20% | 4V |
| C308 | 1-123-827-00 | ELECT | 220MF | 20% | 4V |
| C309 | 1-123-618-00 | ELECT | 22MF | 20% | 6.3V |
| C310 | 1-124-435-00 | ELECT | 10MF | 20% | 6.3V |
| C311 | 1-123-617-00 | ELECT | 10MF | 20% | 16V |
| C312 | 1-161-039-00 | CERAMIC | 0.001MF | 20% | 25V |
| C314 | 1-102-074-00 | CERAMIC | 0.001MF | 10% | 50V |
| C318 | 1-135-073-00 | TANTAL. CHIP | 0.33MF | 20% | 35V |
| C319 | 1-162-290-00 | CERAMIC | 470PF | 10% | 50V |
| C320 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C601 | 1-131-345-00 | TANTALUM | 0.47MF | 20% | 35V |
| C602 | 1-123-647-00 | ELECT | 47MF | 20% | 6.3V |
| C603 | 1-162-294-31 | CERAMIC | 0.001MF | 10% | 50V |
| C604 | 1-131-345-00 | TANTALUM | 0.47MF | 20% | 35V |
| CF1 | 1-527-879-00 | FILTER, CERAMIC | | | |
| CF2 | 1-527-879-00 | FILTER, CERAMIC | | | |
| CF3 | 1-527-870-00 | FILTER | | | |
| CN303 | 1-507-951-11 | JACK, EXTERNAL POWER (DC IN 3V) | | | |
| CNP302* | 1-562-943-11 | SOCKET, CONNECTOR 3P | | | |
| CT1-4 | 1-151-433-00 | CAP, TUNING, POLYETHYLENE | | | |
| CV1-4 | 1-151-433-00 | CAP, TUNING, POLYETHYLENE | | | |
| D1 | 8-719-901-33 | DIODE 1SS133 | | | |
| D2 | 8-719-901-33 | DIODE 1SS133 | | | |
| D3 | 8-719-920-69 | DIODE SLP177B-60 (TUNING) | | | |
| D301 | 8-719-920-69 | DIODE SLP177B-60 (BATTERY) | | | |
| D302 | 8-719-901-33 | DIODE 1SS133 | | | |
| FL1 | 1-235-171-00 | FILTER, BAND PASS | | | |
| HP600 | 3-597-336-01 | HEAD ASSY | | | |
| IC1 | 8-759-204-03 | IC TA7358AP | | | |
| IC2 | 8-759-205-80 | IC TA7757P | | | |
| IC3 | 8-759-205-81 | IC TA7370P | | | |
| IC301 | 8-759-910-18 | IC BA3304F | | | |
| IC302 | 8-759-201-23 | IC TA7688P | | | |
| IC303 | 8-759-908-08 | IC CX20085 | | | |
| IC304 | 8-759-920-15 | IC TK10580M | | | |
| IC601 | 8-759-400-12 | IC AN6612S | | | |

ELECTRICAL PARTS

| Ref.No. | Part No. | Description | | | |
|---------|---------------|------------------------------------|------|----|------|
| J301 | 1-562-917-11 | JACK (SMALL TYPE DIA. 3.5)(PHONES) | | | |
| L1 | *1-422-233-11 | COIL, AIR-CORE (FM RF) | | | |
| L2 | *1-422-232-11 | COIL, AIR-CORE (FM OSC) | | | |
| L3 | 1-402-170-11 | ANTENNA, FERRITE-ROD (AM) | | | |
| L4 | 1-406-153-21 | COIL (AM OSC) | | | |
| L101 | 1-410-021-11 | MICRO INDUCTOR 10UH | | | |
| L201 | 1-410-021-11 | MICRO INDUCTOR 10UH | | | |
| L301 | 1-408-555-00 | MICRO INDUCTOR 2.2UH | | | |
| L302 | 1-408-563-00 | MICRO INDUCTOR 10UH | | | |
| M601 | 3-597-333-01 | MOTOR ASSY | | | |
| P301 | *1-562-918-11 | PIN, CONNECTOR 4P | | | |
| P302 | *1-506-495-11 | PIN, CONNECTOR 4P | | | |
| P303 | *1-506-506-11 | PLUG (L TYPE) 4P | | | |
| P304 | *1-564-347-00 | PLUG (L TYPE) 3P | | | |
| P305 | *1-506-505-11 | PIN, CONNECTOR 11P | | | |
| P601 | *1-562-942-11 | PIN, CONNECTOR 3P | | | |
| Q1 | 8-729-883-92 | TRANSISTOR 2SC2839 | | | |
| Q2 | 8-729-883-92 | TRANSISTOR 2SC2839 | | | |
| Q301 | 8-729-204-83 | TRANSISTOR 2SA1048 | | | |
| Q302 | 8-729-204-83 | TRANSISTOR 2SA1048 | | | |
| Q601 | 8-729-177-23 | TRANSISTOR 2SB772 | | | |
| R1 | 1-247-771-00 | CARBON | 3.3 | 5% | 1/6W |
| R2 | 1-247-795-00 | CARBON | 33 | 5% | 1/6W |
| R3 | 1-247-793-00 | CARBON | 27 | 5% | 1/6W |
| R4 | 1-247-829-00 | CARBON | 820 | 5% | 1/6W |
| R5 | 1-247-783-00 | CARBON | 10 | 5% | 1/6W |
| R6 | 1-247-819-00 | CARBON | 330 | 5% | 1/6W |
| R7 | 1-247-879-00 | CARBON | 100K | 5% | 1/6W |
| R8 | 1-247-819-00 | CARBON | 330 | 5% | 1/6W |
| R9 | 1-247-831-00 | CARBON | 1K | 5% | 1/6W |
| R10 | 1-247-819-00 | CARBON | 330 | 5% | 1/6W |
| R11 | 1-247-843-00 | CARBON | 3.3K | 5% | 1/6W |
| R12 | 1-247-843-00 | CARBON | 3.3K | 5% | 1/6W |
| R13 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/6W |
| R15 | 1-247-791-00 | CARBON | 22 | 5% | 1/6W |
| R16 | 1-247-843-00 | CARBON | 3.3K | 5% | 1/6W |
| R17 | 1-247-849-00 | CARBON | 5.6K | 5% | 1/6W |
| R18 | 1-247-831-00 | CARBON | 1K | 5% | 1/6W |
| R19 | 1-247-817-00 | CARBON | 270 | 5% | 1/6W |
| R20 | 1-247-831-00 | CARBON | 1K | 5% | 1/6W |
| R21 | 1-247-857-00 | CARBON | 12K | 5% | 1/6W |
| R22 | 1-247-863-00 | CARBON | 22K | 5% | 1/6W |
| R24 | 1-247-873-00 | CARBON | 56K | 5% | 1/6W |
| R25 | 1-247-873-00 | CARBON | 56K | 5% | 1/6W |
| R26 | 1-247-793-00 | CARBON | 27 | 5% | 1/6W |
| R27 | 1-247-831-00 | CARBON | 1K | 5% | 1/6W |

ELECTRICAL PARTS

| Ref.No. | Part No. | Description | | | |
|---------|--------------|-------------|------|----|------|
| R101 | 1-247-899-00 | CARBON | 680K | 5% | 1/6W |
| R102 | 1-247-835-00 | CARBON | 1.5K | 5% | 1/6W |
| R103 | 1-247-869-00 | CARBON | 39K | 5% | 1/6W |
| R104 | 1-247-869-00 | CARBON | 39K | 5% | 1/6W |
| R105 | 1-247-855-00 | CARBON | 10K | 5% | 1/6W |
| R106 | 1-247-849-00 | CARBON | 5.6K | 5% | 1/6W |
| R108 | 1-247-855-00 | CARBON | 10K | 5% | 1/6W |
| R109 | 1-247-834-00 | CARBON | 1.3K | 5% | 1/6W |
| R110 | 1-247-857-00 | CARBON | 12K | 5% | 1/6W |
| R111 | 1-247-881-00 | CARBON | 120K | 5% | 1/6W |
| R112 | 1-247-863-00 | CARBON | 22K | 5% | 1/6W |
| R113 | 1-247-807-00 | CARBON | 100 | 5% | 1/6W |
| R114 | 1-247-831-00 | CARBON | 1K | 5% | 1/6W |
| R115 | 1-247-821-00 | CARBON | 390 | 5% | 1/6W |
| R116 | 1-247-771-00 | CARBON | 3.3 | 5% | 1/6W |
| R117 | 1-247-879-00 | CARBON | 100K | 5% | 1/6W |
| R201 | 1-247-899-00 | CARBON | 680K | 5% | 1/6W |
| R202 | 1-247-835-00 | CARBON | 1.5K | 5% | 1/6W |
| R203 | 1-247-869-00 | CARBON | 39K | 5% | 1/6W |
| R204 | 1-247-869-00 | CARBON | 39K | 5% | 1/6W |
| R205 | 1-247-855-00 | CARBON | 10K | 5% | 1/6W |
| R206 | 1-247-849-00 | CARBON | 5.6K | 5% | 1/6W |
| R208 | 1-247-855-00 | CARBON | 10K | 5% | 1/6W |
| R209 | 1-247-834-00 | CARBON | 1.3K | 5% | 1/6W |
| R210 | 1-247-857-00 | CARBON | 12K | 5% | 1/6W |
| R211 | 1-247-881-00 | CARBON | 120K | 5% | 1/6W |
| R212 | 1-247-863-00 | CARBON | 22K | 5% | 1/6W |
| R213 | 1-247-807-00 | CARBON | 100 | 5% | 1/6W |
| R214 | 1-247-831-00 | CARBON | 1K | 5% | 1/6W |
| R215 | 1-247-821-00 | CARBON | 390 | 5% | 1/6W |
| R216 | 1-247-771-00 | CARBON | 3.3 | 5% | 1/6W |
| R217 | 1-247-879-00 | CARBON | 100K | 5% | 1/6W |
| R301 | 1-247-855-00 | CARBON | 10K | 5% | 1/6W |
| R302 | 1-247-863-00 | CARBON | 22K | 5% | 1/6W |
| R303 | 1-247-855-00 | CARBON | 10K | 5% | 1/6W |
| R304 | 1-247-827-00 | CARBON | 680 | 5% | 1/6W |
| R305 | 1-247-815-00 | CARBON | 220 | 5% | 1/6W |
| R306 | 1-247-843-00 | CARBON | 3.3K | 5% | 1/6W |
| R307 | 1-247-823-00 | CARBON | 470 | 5% | 1/6W |
| R308 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/6W |
| R310 | 1-247-861-00 | CARBON | 18K | 5% | 1/6W |
| R601 | 1-249-447-11 | CARBON | 1 | 5% | 1/4W |
| R602 | 1-247-825-00 | CARBON | 560 | 5% | 1/6W |
| R603 | 1-247-853-00 | CARBON | 8.2K | 5% | 1/6W |
| R604 | 1-247-783-00 | CARBON | 10 | 5% | 1/6W |

ELECTRICAL PARTS

| Ref.No. | Part No. | Description |
|---------|--------------|--|
| RV1 | 1-230-503-11 | RES, ADJ, CARBON 10K |
| RV101 | 1-226-709-00 | RES, ADJ, SOLID 4.7K |
| RV201 | 1-226-709-00 | RES, ADJ, SOLID 4.7K |
| RV301 | 1-230-890-11 | RES, VAR, CARBON 10K (VOLUME) |
| RV302 | 1-230-889-11 | RES, VAR, SLIDE 100K (GRAPHIC EQUALIZER) |
| RV601 | 1-230-884-11 | RES, ADJ, CARBON 500 |
| S1 | 1-554-061-00 | SWITCH, SLIDE (BAND) |
| S301 | 1-570-323-11 | SWITCH, SLIDE (FUNCTION) |
| S302 | 1-554-123-00 | SWITCH, SLIDE (TAPE) |
| S303 | 1-554-123-00 | SWITCH, SLIDE (FM SENS) |
| S600 | 3-597-334-01 | SWITCH, SLIDE (DIRECTION) |
| S602 | 3-597-352-01 | SWITCH, LEAF (FF,REW,PLAY) |
| T1 | 1-404-628-11 | TRANSFORMER, IF (FM IFT) |
| T2 | 1-404-627-11 | TRANSFORMER, IF (AM IFT) |
| T3 | 1-404-630-21 | TRANSFORMER, IF (FM DET) |
| T4 | 1-404-629-11 | TRANSFORMER, IF (AM DET) |
| TH601 | 1-807-273-11 | THERMISTOR (POSITIVE) |

ACCESSORY & PACKING MATERIAL

| Part No. | Description |
|--------------|----------------------------------|
| 3-321-020-01 | BELT, SHOULDER |
| 3-327-529-01 | SPACER |
| 3-327-530-01 | SHEET, PROTECTION |
| 3-327-531-01 | (US).....INDIVIDUAL CARTON |
| 3-327-544-01 | (Canadian)...INDIVIDUAL CARTON |
| 3-527-213-00 | LABEL, SERIAL NUMBER |
| 3-760-641-21 | MANUAL, INSTRUCTION |
| 3-760-641-31 | (Canadian)...MANUAL, INSTRUCTION |
| 8-952-201-90 | MDR-03L/J HEADPHONES SET |

Sony Corporation

SERVICE MANUAL

US Model
Canadian Model

CORRECTION

File this correction with the Service Manual.

1. Correct the Part No. as shown below.

(Page 20)

| | INCORRECT | CORRECT | |
|-----|--------------|--------------|--------------------------------------|
| No. | Part No. | Part No. | Description |
| 14 | A-3241-089-A | X-3327-517-1 | (BLACK) CABINET (REAR) ASSY |
| | A-3241-109-A | X-3327-518-1 | (SILVER) CABINET (REAR) ASSY |

(page 21 and 24)

| | INCORRECT | CORRECT | |
|-----|--------------|--------------|-------------------|
| No. | Part No. | Part No. | Description |
| 902 | A-3260-298-A | A-3215-789-A | MOUNTED PCB, MAIN |

2. Delete the following part on page 24.

| <u>Ref. No.</u> | <u>Part No.</u> | <u>Description</u> |
|-----------------|-----------------|--------------------|
| 905 | A-3260-299-A | PC BOARD ASSY |

3. Correct the No. on page 23 as shown below.

(Parts list)

| INCORRECT | CORRECT | | |
|-----------|---------|--------------|----------------|
| No. | No. | Part No. | Description |
| 170 | 171 | 3-597-365-01 | RING (E1.5), E |

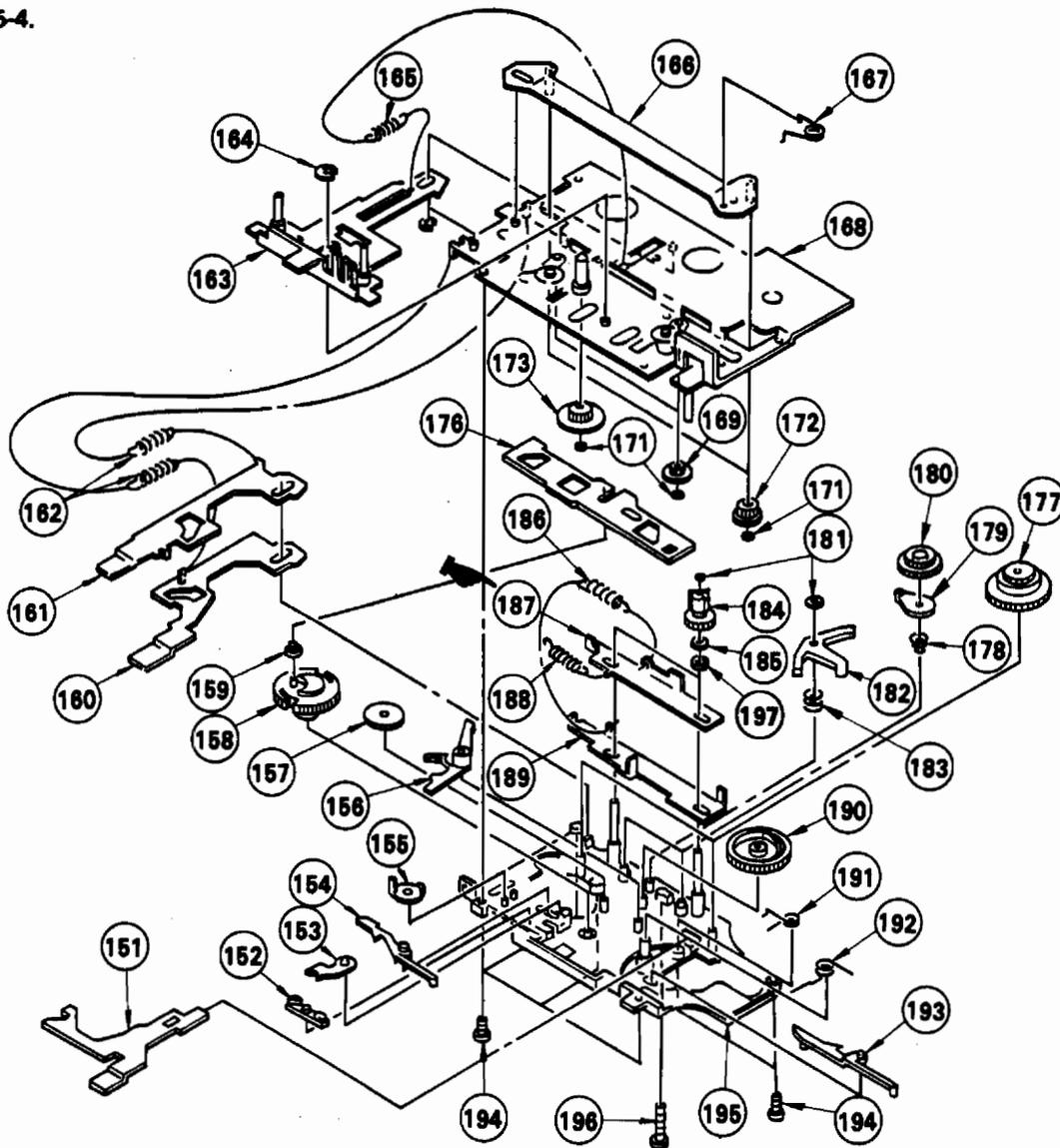
(Exploded view)

| INCORRECT | CORRECT |
|-----------|---------|
| 197 | 187 |

- See next page for details.

FM/AM STEREO CASSETTE PLAYER
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5-4.



| No. | Part No. | Description | Remarks | No. | Part No. | Description | Remarks |
|-----|---------------|------------------------|---------|-----|---------------|-------------------------|---------|
| 151 | *3-597-317-01 | LEVER, PROGRAM | | 176 | *3-597-331-01 | LEVER, REVERSE | |
| 152 | 3-597-320-01 | LEVER, CANCEL | | 177 | 3-597-326-01 | GEAR ASSY, FRICTION | |
| 153 | 3-597-318-01 | LEVER, MODE | | 178 | 3-597-346-01 | SPRING | |
| 154 | 3-597-321-01 | LEVER (B), SHUT-OFF | | 179 | 3-597-327-01 | CAM, DETECTION | |
| 155 | 3-597-319-01 | LEVER (A), SHUT-OFF | | 180 | 3-597-328-01 | GEAR, MIDWAY | |
| 156 | 3-597-323-01 | ARM, GEAR LOCK | | 181 | 3-597-358-01 | POLY-SLIDER (DIA. 1.6) | |
| 157 | 3-597-325-01 | GEAR (B), DECELERATION | | 182 | 3-597-354-01 | ARM, DETECTION | |
| 158 | 3-597-324-01 | GEAR, SELECTOR | | 183 | 3-597-351-01 | SPRING | |
| 159 | 3-597-349-01 | ROLLER, SELECT | | 184 | 3-597-315-01 | SPINDLE ASSY, REEL | |
| 160 | *3-597-312-01 | LEVER, FF | | 185 | 3-597-356-01 | POLY-SLIDER (DIA. 2.1) | |
| 161 | *3-597-311-01 | LEVER, REW | | 186 | 3-597-345-01 | SPRING | |
| 162 | 3-597-339-01 | SPRING | | 187 | *3-597-314-01 | PLATE, LOCK | |
| 163 | 3-597-303-01 | BASE ASSY, HEAD | | 188 | 3-597-353-01 | SPRING | |
| 164 | 3-597-366-01 | RING (E2), E | | 189 | *3-597-313-01 | PLATE, FUNCTION, SWITCH | |
| 165 | 3-597-341-01 | SPRING | | 190 | 3-597-322-01 | GEAR, DETECTION | |
| 166 | *3-597-304-01 | ARM ASSY, FR | | 191 | 3-597-344-01 | SPRING | |
| 167 | 3-597-347-01 | SPRING | | 192 | 3-597-343-01 | SPRING | |
| 168 | 3-597-301-01 | CHASSIS | | 193 | 3-597-316-01 | RATCHET | |
| 169 | 3-597-330-01 | GEAR, T,U | | 194 | 3-597-360-01 | SCREW (M2X4.5) | |
| 171 | 3-597-365-01 | RING (E1.5), E | | 195 | 3-597-302-01 | BASE ASSY, GEAR | |
| 172 | 3-597-332-01 | GEAR, F.R | | 196 | 3-597-361-01 | SCREW (M2X8) | |
| 173 | 3-597-329-01 | GEAR (A), DECELERATION | | 197 | 3-597-367-01 | RING (E2.5), E | |

Sony Corporation
Audio Group

SONY®

tape recorder

Service Bulletin No.181

CONSUMER SERVICE COMPANY
Technical Department

Model: WM-F18

Date: February 7, 1986

Subject: Part Number Correction - Cabinet
Assembly

Note the correct part number for the cabinet assembly as follows:

Exploded View p. 20.

| Ref. No. | Description | Part Number | |
|----------|------------------------------|--------------|--------------|
| | | Incorrect | Correct |
| 14 | Cabinet (Rear) Ass'y, Black | A-3241-089-A | X-3327-517-1 |
| | Cabinet (Rear) Ass'y, Silver | A-3241-109-A | X-3327-518-1 |

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tape recorder

Service Bulletin No.190

CONSUMER SERVICE COMPANY
Technical Department

Model: WM-F18

Date: February 28, 1986

Subject: Part Number Change - Mounted CKT Board

The Main PCB Assembly (Ref. #902) and the Graphic EQ PCB Assembly (Ref. #905) are no longer available separately. The two boards are now connected at the factory for ease of adjustment and are supplied as an assembled part. Note the part number as follows:

| Ref. No. | Description | Part Number | |
|----------|----------------|--------------|--------------|
| | | Former | New |
| 902 | Main PCB Ass'y | A-3260-298-A | A-3215-789-A |
| 905 | GEQ PCB Ass'y | A-3260-299-A | |

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Service Bulletin No.193

CONSUMER SERVICE COMPANY
Technical Department

Model: WM-F18

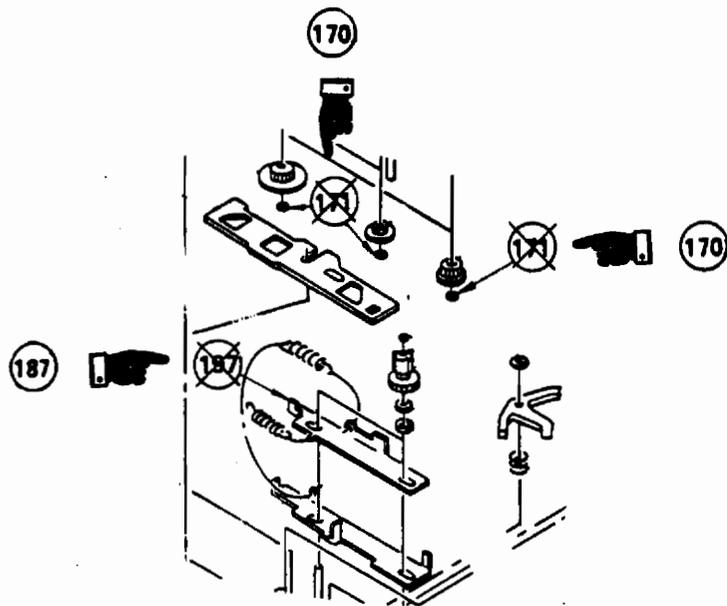
Date: March 12, 1986

Subject: Reference Number Correction -
E Ring (E1.5), Lock Plate

Note the reference number correction for the lock plate and the E ring (E1.5) as follows:

Exploded views - page 23

| Reference Number | | Description | Part Number |
|------------------|---------|----------------|--------------|
| Incorrect | Correct | | |
| 171 | 170 | Ring (E1.5), E | 3-597-365-11 |
| 197 | 187 | Plate, Lock | 3-597-314-01 |



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Service Bulletin No.197

Technical Department
Sony Service Company
A Division of Sony Corporation of America
Sony Drive, Park Ridge, New Jersey 07656

Model: WM-F18

Subject: Reference Number Correction -
SWITCH, LEAF (FF, REW, PLAY)

Date: May 12, 1986

The reference number for the LEAF SWITCH (FF, REW, PLAY) in the parts list on page 26 is incorrect. Please note the correction as follows:

| Reference No. | | Description | Part Number |
|---------------|---------|------------------------------|--------------|
| Incorrect | Correct | | |
| S602 | S601 | SWITCH, LEAF (FF, REW, PLAY) | 3-597-352-01 |