

STR-AV23/AV270X/AV370X/AV570X

SERVICE MANUAL

US Model

STR-AV23/AV270X/AV570X

Canadian Model

STR-AV370X/AV570X



Photo: STR-AV570X

SPECIFICATIONS

Audio Power Specifications

POWER OUTPUT AND TOTAL HARMONIC DISTORTION
With 8-ohm load, both channels driven, from 40-20 kHz, rated 60 watts (STR-AV570X) or 40 watts (STR-AV23/AV270X/AV370X) per channel minimum RMS power, with less than 0.8% total harmonic distortion from 250 milliwatts to rated output.

Other Specifications

Amplifier section

Continuous RMS power output (8 ohms, at 1 kHz less than 0.8% total harmonic distortion)

| | |
|------------------------------|---------|
| STR-AV570X | 60W+60W |
| STR-AV23 AV270X AV370X | 40W+40W |

Dynamic power (at 1 kHz IHF)

| | |
|------------------------------|---------|
| | 8 ohms |
| STR-AV570X | 75W+75W |
| STR-AV23 AV270X AV370X | 55W+55W |

Harmonic distortion

Less than 0.8% at rated output

Frequency response

PHONO: RIAA equalization curve ± 0.5 dB

CD

VIDEO

TAPE

10 Hz - 50 kHz ± 0.5 dB

Inputs

| | Sensitivity | Impedance | S/N (weighting network, input level) |
|---------------------|-------------|------------|--------------------------------------|
| PHONO | 2.5 mV | 50 kilohms | 74 dB 72 dB* (A, 2.5 mV) |
| CD VIDEO TAPE | 150 mV | 50 kilohms | 95dB 80 dB* (A, 150 mV) |

*78 IHF

Outputs

| | |
|----------------------------|---|
| REC OUT, VIDEO (AUDIO) OUT | Voltage 150 mV Impedance 10 kilohms |
| SPEAKER A, B | Accepts speakers of 8 - 16 ohms |
| HEADPHONES | Accepts low and high impedance headphones |

Tone controls

BASS: ± 10 dB at 100 Hz

TREBLE: ± 10 dB at 10 Hz

Muting

- 20 dB

DBFB

+12 dB at 70 Hz

Tuner section

| | FM tuner section | AM tuner section |
|-------------------------------|---|---|
| Tuning range | 87.5 - 108 MHz | 530 - 1710 kHz |
| Antenna terminals | 300 ohms, balanced 75 ohms, unbalanced | External antenna terminal |
| Sensitivity at 50 dB quieting | 18.3 dBf, 4.5 μ V (mono) 38.3 dBf, 45 μ V (stereo) | - |
| Usable sensitivity | 11.2 dBf, 2 μ V (IHF) | Loop antenna: 500 μ V (at 1,000 kHz) |
| Signal-to-noise ratio | 76 dB (mono) 70 dB (stereo) | 54 dB (at 50 mV/m) |
| Harmonic distortion | 0.3% (mono), 0.5% (stereo) at 1 kHz | 0.5% (at 50 mV/m, 400Hz) |
| Selectivity | 60 dB at 400 kHz | 40 dB at 10 kHz |
| Separation | 45 dB at 1 kHz | - |
| Frequency response | 30 Hz - 15kHz ± 0.5 dB | - |

FM STEREO FM-AM RECEIVER
SONY®



General System

Tuner section: PLL quartz-locked digital synthesizer system
 Preamplifier section: low-noise NF type equalizer amp
 Power amplifier section: quasi-complementary SEPP

Power requirements
 120V AC, 60 Hz

Power consumption

| | US model | Canadian model |
|--------------------|----------|----------------|
| STR-AV570X | 105W | 185W |
| STR-AV370X | — | 155W |
| STR-AV23 AV270X | 90W | — |

STR-AV570X/AV23: In standby condition: 5W

AC outlets

One switched (120 W/1A Max)

Dimensions

Approx. 430 × 122.5 × 300mm (w/h/d)
 (17 × 4 7/8 × 11 7/8 inches)

including projecting parts and controls

Weight

| | |
|------------------------------|-----------------------------|
| STR-AV570X | Approx. 6.5 kg (14 lb 5 oz) |
| STR-AV23 AV270X AV370X | Approx. 6 kg (13 lb 4 oz) |

Accessories supplied

- FM wire antenna (1)
- AM loop antenna (1)
- Remote Commander RM-S103 (1) (STR-AV23/AV370X/AV570X)
- Sony batteries SUM 3 (NS) (2) (STR-AV23/AV370X/AV570X)

Design and specifications subject to change without notice.

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SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:

Check the antenna terminals, metal trim, “metallized” knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers’ instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The “limit” indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

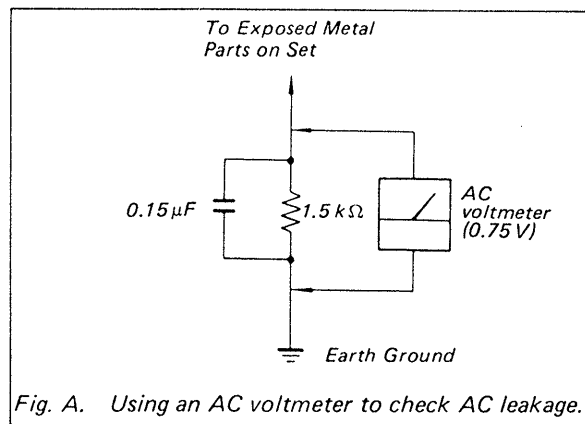
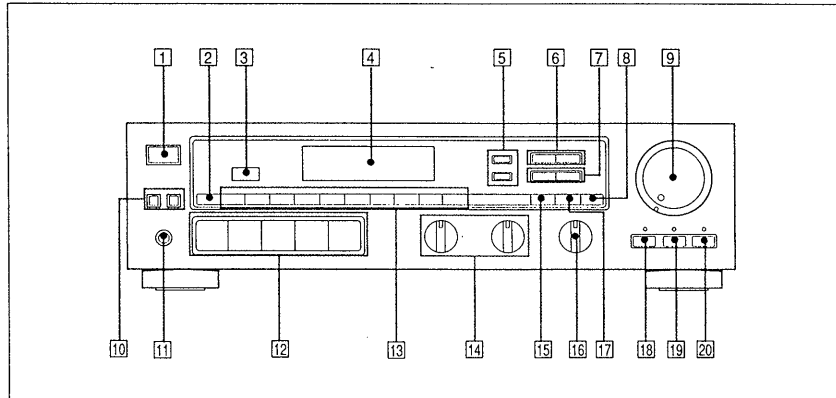


Fig. A. Using an AC voltmeter to check AC leakage.

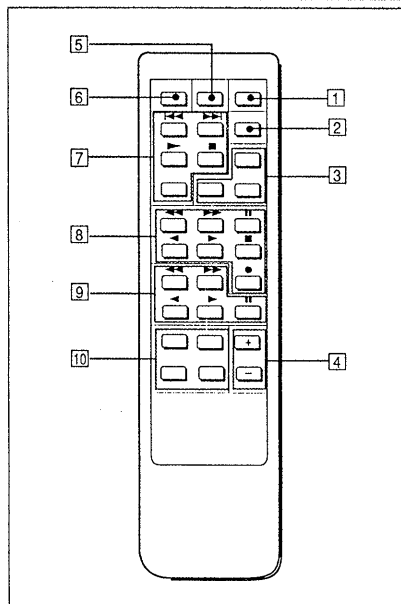
SECTION 1 GENERAL


Location and Function of Controls



- | | |
|--|--|
| <p>1 POWER switch</p> <p>2 SHIFT button</p> <p>3 Remote sensor (STR-AV23/AV370X/AV570X)</p> <p>4 Display window</p> <p>5 BAND selectors</p> <p>6 TUNING +/- buttons</p> <p>7 PRESET +/- buttons</p> <p>8 FM MODE button When an FM stereo program is noisy or hard to receive, press this button. The STEREO indicator goes out (the sound is heard in monaural, but the reception will be improved). To return to the stereo mode, press again or change the frequency.</p> <p>9 VOLUME control and indicator (STR-AV23/AV370X/AV570X)</p> <p>10 SPEAKERS selectors Depress to select which speaker system to drive. For both speaker systems, depress A and B.</p> <p>11 HEADPHONES jack (stereo phone jack) Connect the headphones to this jack for private listening.</p> | <p>12 Function selectors</p> <p>13 Numeric buttons</p> <p>14 TONE controls Turn the TREBLE control to adjust the high frequency sound. Turn BASS control to adjust the low frequency sound.</p> <p>15 MEMORY button</p> <p>16 BALANCE control Adjust to correct stereo imaging, when the speaker position is not symmetrical.</p> <p>17 DIRECT TUNING button</p> <p>18 DBFB (Dynamic Bass Feed Back) button and indicator To reinforce the bass frequency sound, press this button.</p> <p>19 MUTING button and indicator (STR-AV23/AV370X/AV570X) Press to attenuate the sound level immediately (~20 dB attenuation). Pressing this button makes the indicator be lighted. To restore the sound level, press again.</p> <p>20 SURROUND button and indicator To obtain the surround effect, press this button.</p> |
|--|--|

Remote Commander RM-S103 (STR-AV23/AV370X/AV570X)



- | | |
|---|---|
| <p>1 POWER button</p> <p>2 DBFB button</p> <p>3 TUNER PRESET +/- and SHIFT buttons</p> <p>4 VOLUME +/- buttons</p> <p>5 SURROUND button</p> <p>6 MUTING button</p> <p>7 CD player operation buttons D, (disc) SKIP: When your CD player is equipped with a multi-disc changer, use this button to select loaded disc. CD ►: Selects the CD function and starts CD playback.</p> <p>8 DECK B operation buttons (also for single tape deck) DECK B ◀▶: Select tape function and start tape playback on deck B.</p> <p>9 DECK A operation buttons DECK A ◀▶: Select tape function and start tape playback on deck A.</p> <p>10 Function select buttons</p> | <p>Notes on the remote commander For the functions other than the receiver's own ones, the remote commander is effective only with Sony components having a remote sensor with a  mark.</p> |
|---|---|

Receiving FM/AM Broadcasts

How to receive a broadcast

| | |
|------------------------------------|---|
| When you know the frequency | See "Direct Access Tuning". |
| When you do not know the frequency | FM: See "Automatic Tuning". AM: See "Manual Tuning". |
| Tuning in a preset frequency | See "Preset Tuning". |

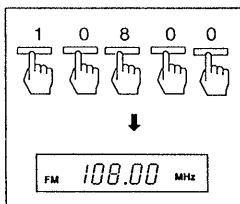
Direct Access Tuning

POWER → ON

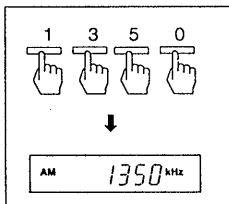
Select SPEAKERS A or B. 1

- 1 Press TUNER.
- 2 Select FM or AM.
- 3 Press TUNING DIRECT.
- 4 Press the appropriate numeric buttons to enter the frequency. (See examples below.)
- 5 Adjust the volume.

Example 1: FM 108.00 MHz



Example 2: AM 1350 kHz



For entering AM frequencies

You do not need to enter the last "0".

Correcting the entered frequency

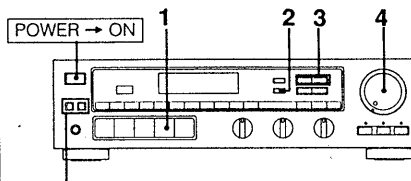
Repeat the above steps from the beginning.

If the frequency figures flash in the display window

The entered number is outside the receiver's frequency range (FM 87.5 to 108 MHz; AM 530 to 1710 kHz).

Enter the correct frequency.

Automatic Tuning (for FM reception)



Select SPEAKERS A or B.

- 1 Press TUNER.
- 2 Select FM.
- 3 Press + or - TUNING.

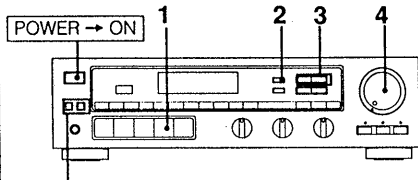
When a station is received, automatic tuning stops automatically. To change the station, press + or - again.

- 4 Adjust the volume.

When sweeping does not stop at the desired station

The signal strength is weak. Tune in the station as described in "Direct Access Tuning".

Manual Tuning (for AM reception)



Select SPEAKERS
A or B.

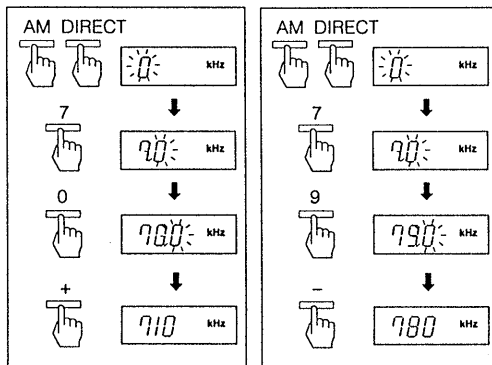
- 1 Press TUNER.
- 2 Select AM.
- 3 Press + or - TUNING.

Each time + or - is pressed, the frequency will change by 10 kHz. To change the frequency continuously, keep the button pressed.

- 4 Adjust the volume.

Quickly tuning in a roughly known frequency

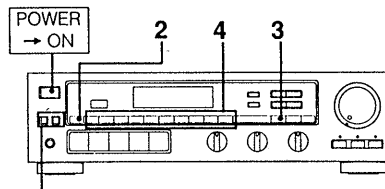
Proceed as the following example.
Example: The station between AM 700 and AM 800 kHz.



Preset Tuning

A total of 30 FM/AM stations can be memorized in any desired sequence.

Memorizing a Station



Select SPEAKERS A or B.

- 1 Tune in the desired station. (See "Automatic Tuning", "Manual Tuning" or "Direct Access Tuning".)
- 2 Press SHIFT to select the memory page (A, B or C).
- 3 Press MEMORY.
Memory indicator appears for a few seconds.
- 4 Press the desired numeric button (1 to 0), while the MEMORY indicator is displayed.

Repeat above steps for presetting other desired stations.

Use of memory pages

The memory pages (A, B and C) can be used to classify stations according to the music category, station band, etc.

Replacing a preset station

Preset another station on the number of the station to be replaced. The previously preset station will be erased.

Tuning in a Preset Station

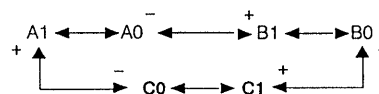
Method A: Direct

- 1 Press TUNER.
- 2 Press SHIFT to select memory page (A, B or C).
- 3 Press the preset numeric button.
- 4 Adjust the volume.

Method B: Scan

- 1 Press TUNER.
- 2 Press + or - PRESET.

Each time you press + or -, the preset station of the next higher or lower number is tuned in.



- If you keep pressing + or -, preset stations are successively tuned in. Release the button when the desired preset station is tuned in.

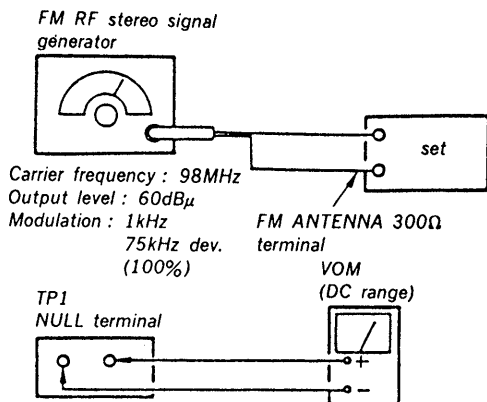
- 3 Adjust the volume.

SECTION 2 ELECTRICAL ADJUSTMENTS

FM SECTION

• FM Discriminator (NULL) Adjustment

Setting :



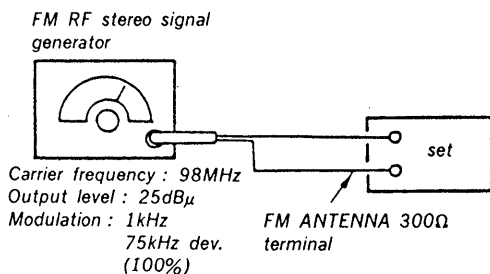
Procedure :

1. Tune the set to 98MHz.
2. Adjust T21 for 0V reading on the VOM.

Note : FM Tuning Level adjustment should be made after FM discriminator adjustment.

• FM Stereo Operation Level Adjustment

Setting :

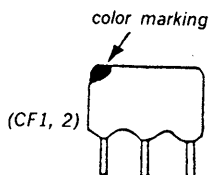


Procedure :

1. Tune the set to 98MHz.
2. Adjust RV24 so that the STEREO LED goes on.

Note on Ceramic Filter (CF1, 2) Replacement.

This set employs two ceramic filters (CF1, 2) which should have the same color marking to identify their center frequency. Therefore FM IF offset adjustment by (* A, * B) connection is necessary to match the center frequency of the ceramic filters used with FM intermediate frequency.

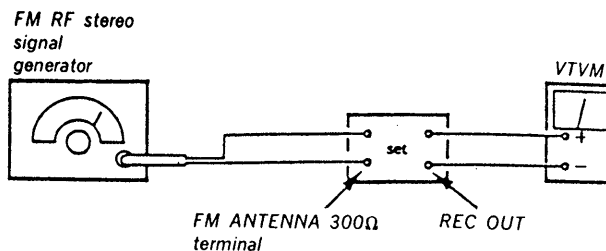


○ : short
× : open

| Ceramic filter | | Connection | | FM intermediate frequency (MHz) |
|----------------|------------------------|------------|------------|---------------------------------|
| Color mark | Center frequency (MHz) | * A (D326) | * B (D327) | |
| White | 10.750 | × | ○ | 10.750 |
| Red | 10.700 | × | × | 10.700 |
| Black | 10.650 | ○ | ○ | 10.650 |

• FM Stereo Separation Adjustment

Setting :



Procedure :

Tune the set to 98MHz.

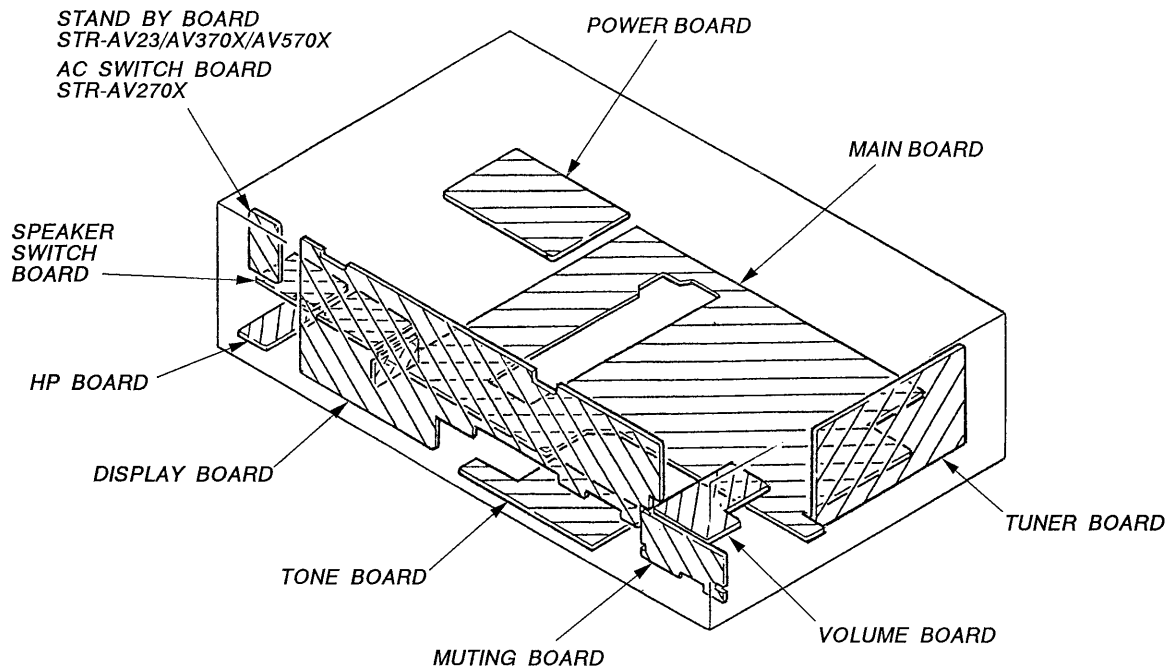
| FM stereo signal generator output channel | VTVM connection | VTVM reading (dB) |
|---|-----------------|---------------------------------------|
| L-CH | L-CH | Ⓐ |
| R-CH | L-CH | Ⓑ Adjust RV21 for minimum reading. |
| R-CH | R-CH | Ⓒ |
| L-CH | R-CH | Ⓓ Adjust RV21 for minimum reading. |

L-CH Stereo separation : Ⓐ - Ⓑ

R-CH Stereo separation : Ⓒ - Ⓓ

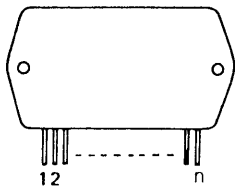
The separations of both channels should be equal.

● **CIRCUIT BOARDS LOCATION**

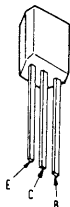


● **Semiconductor Lead Layouts**

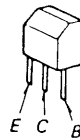
STK4162MK2
STK4192MK2



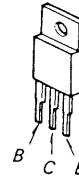
DTA114ES
DTA124ES
DTC114ES
DTC124ES
2SC2603-EF
2SC2669-OY
2SC3623A-LK



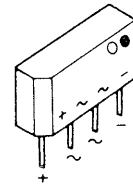
2SB734-34



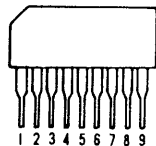
2SD2012



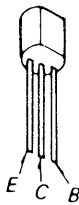
RBA-402



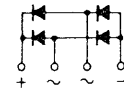
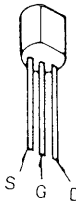
μ PC4570HA-1



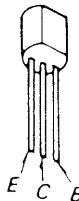
2SC3113-AB



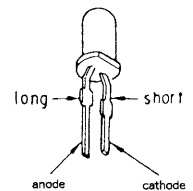
2SK246-GR3



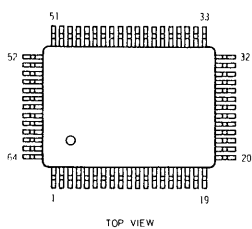
2SA988-F



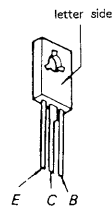
SEL2810A-C



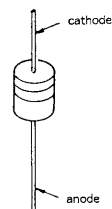
μ PD75206G-557-1B



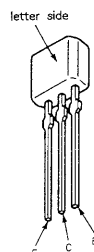
2SD809-K



HZS4ALL
HZS6C3L
RD27ESB2
UZ-4.3BSB
UZ-6.2BSC
UZ-15BSB
UZ-16BSB
1N4148M
11ES2



2SA1175-HFE
2SC2785-HFE

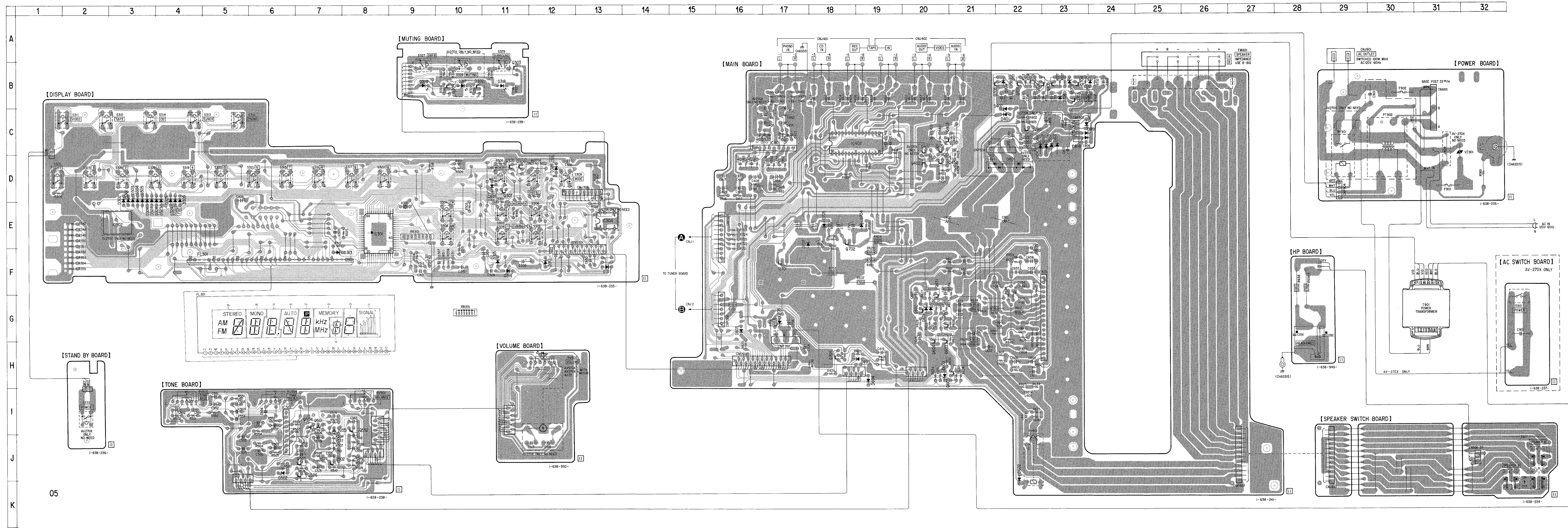


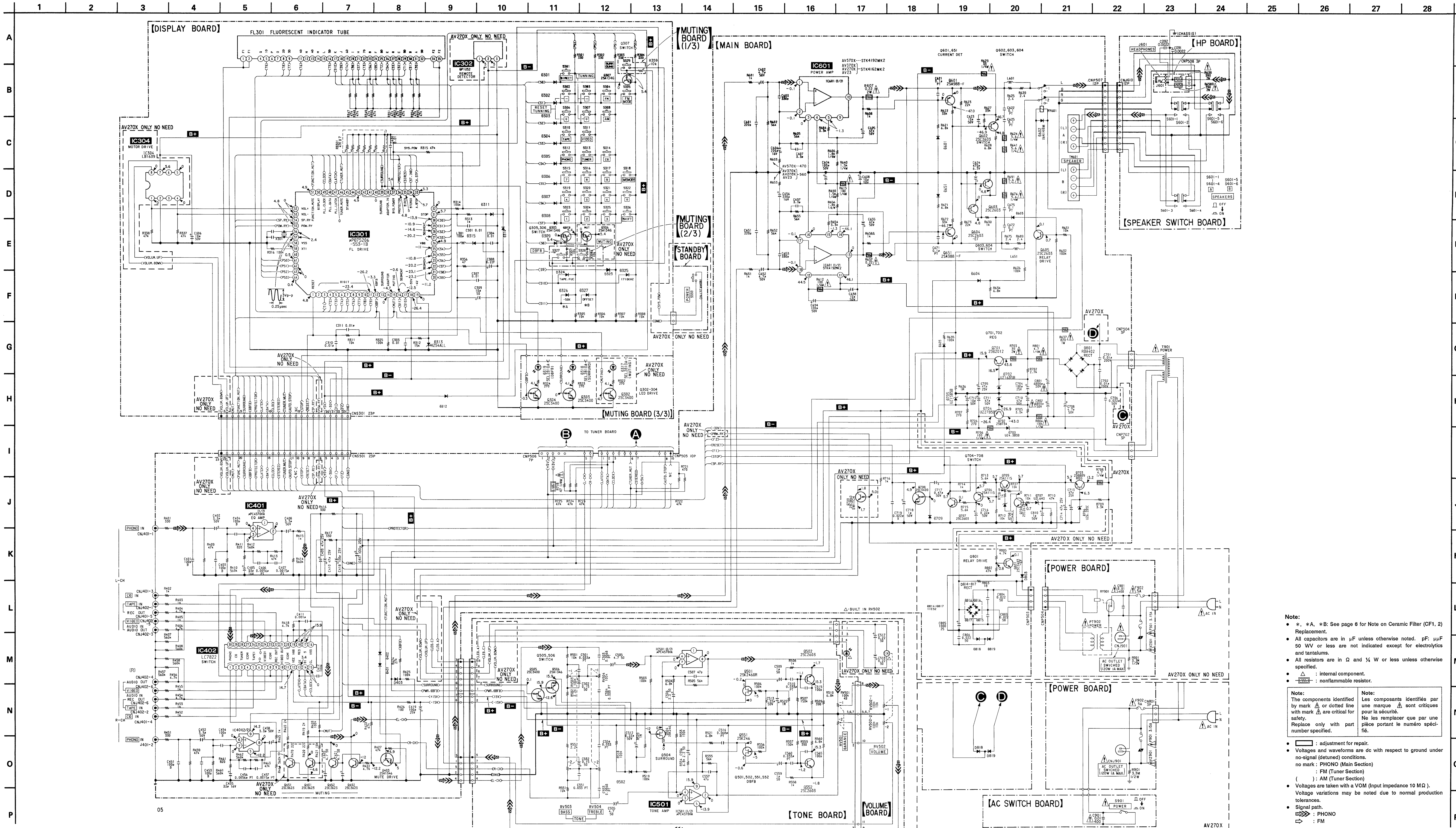
3-2. PRINTED WIRING BOARDS
- MAIN SECTION -

• Semiconductor Location

| Ref. No. | Location | Ref. No. | Location |
|----------|----------|----------|----------|
| D301 | D-3 | IC301 | E-8 |
| D302 | D-3 | IC302 | E-3 |
| D303 | D-3 | IC304 | E-13 |
| D304 | D-3 | IC401 | C-17 |
| D305 | D-3 | IC402 | C-18 |
| D306 | D-3 | IC501 | I-6 |
| D307 | D-3 | IC601 | G-22 |
| D308 | D-3 | | |
| D309 | D-4 | Q302 | B-10 |
| D311 | F-13 | Q303 | B-11 |
| D312 | F-12 | Q304 | B-10 |
| D313 | F-7 | Q305 | D-11 |
| D314 | F-11 | Q306 | D-11 |
| D315 | F-11 | Q307 | D-11 |
| D317 | B-10 | Q401 | C-20 |
| D318 | B-11 | Q402 | D-20 |
| D319 | B-9 | Q403 | C-20 |
| D323 | D-4 | Q451 | C-20 |
| D324 | D-4 | Q452 | D-20 |
| D325 | D-4 | Q501 | I-7 |
| D326 | D-12 | Q502 | J-7 |
| D327 | D-11 | Q504 | I-7 |
| D328 | F-11 | Q505 | J-7 |
| D401 | C-22 | Q506 | J-7 |
| D402 | C-22 | Q551 | I-7 |
| D403 | H-19 | Q552 | I-8 |
| D502 | J-6 | Q601 | G-20 |
| D601 | G-20 | Q602 | G-20 |
| D602 | K-22 | Q603 | H-20 |
| D603 | H-20 | Q604 | H-20 |
| D604 | H-19 | Q605 | H-21 |
| D605 | G-16 | Q651 | G-20 |
| D651 | G-20 | Q701 | F-17 |
| D702 | E-17 | Q702 | E-18 |
| D703 | G-17 | Q703 | B-23 |
| D704 | E-19 | Q704 | B-23 |
| D705 | E-18 | Q705 | B-23 |
| D706 | B-23 | Q706 | B-22 |
| D707 | B-23 | Q707 | B-22 |
| D708 | B-23 | Q708 | B-21 |
| D709 | B-22 | Q709 | B-22 |
| D801 | D-22 | Q801 | C-22 |
| D803 | C-23 | | |
| D814 | C-23 | | |
| D815 | C-23 | | |
| D816 | C-22 | | |
| D817 | C-23 | | |
| D818 | C-23 | | |
| D819 | C-23 | | |

Note:
 • : parts extracted from the component side.
 • : parts mounted on the conductor side.
 • : indicates side identified with part number.
 • *A, *B: See page 6 for Note on Ceramic Filter (CF1, 2) Replacement.





Note:

- * , *A , *B: See page 6 for Note on Ceramic Filter (CF1, 2) Replacement.
- All capacitors are in μF unless otherwise noted. pF: μpF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{2} \text{W}$ or less unless otherwise specified.
- Δ : internal component.
- \square : nonflammable resistor.

Note:

The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Note:

- \square : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions. no mark : PHONO (Main Section)
- : FM (Tuner Section)
- () : AM (Tuner Section)
- Voltages are taken with a VOM (input impedance 10 M Ω). Voltage variations may be noted due to normal production tolerances.
- Signal path.
- \Rightarrow : PHONO
- \Rightarrow : FM

3-6. EXPLANATION OF IC301 (μ PD75206)

| PIN No. | SIGNAL NAME | FUNCTION | I/O | ACTIVE |
|---------|-------------|--|-----|--------|
| 1 | RESET | Micro Computer RESET | I | L |
| 2 | T0 | FL tube indication (invalid) digit | O | H |
| 3 | T1 | FL tube indication digit T1 | O | H |
| 4 | T2 | FL tube indication digit T2 | O | H |
| 5 | T3 | FL tube indication digit T3 | O | H |
| 6 | T4 | FL tube indication digit T4 | O | H |
| 7 | T5 | FL tube indication digit T5 | O | H |
| 8 | T6 | FL tube indication digit T6 | O | H |
| 9 | T7 | FL tube indication digit T7 | O | H |
| 10 | T8 | FL tube indication digit T8 | O | H |
| 11 | T9 | FL tube SIGNAL indication digit T9 | O | H |
| 12 | T10/PH3 | DBFB Output | O | H |
| 13 | T11/PH2 | IF WIDE/NARROW Output | O | H |
| 14 | T12/PH1 | Adapter Output | O | H |
| 15 | T13/PH0 | -20dB Muting Output | O | H |
| 16 | T14/S11 | FL tube indication Segment/Diode S11 | O | H |
| 17 | T15/S10 | FL tube indication Segment/Diode S10 | O | H |
| 18 | V road | FL tube pulldown power supply | - | - |
| 19 | V pre | FL tube driver power supply | - | - |
| 20 | S9 | FL tube indication Segment/Diode S9 | O | H |
| 21 | S8 | FL tube indication Segment/Key Scan S8 | O | H |
| 22 | S7 | FL tube indication Segment/Key Scan S7 | O | H |
| 23 | S6 | FL tube indication Segment/Key Scan S6 | O | H |
| 24 | S5 | FL tube indication Segment/Key Scan S5 | O | H |
| 25 | S4 | FL tube indication Segment/Key Scan S4 | O | H |
| 26 | Vdd | Micro Computer power supply | - | - |
| 27 | S3 | FL tube indication Segment/Key Scan S3 | O | H |
| 28 | S2 | FL tube indication Segment/Key Scan S2 | O | H |
| 29 | S1 | FL tube indication Segment/Key Scan S1 | O | H |
| 30 | S0 | FL tube indication Segment/Key Scan S0 | O | H |
| 31 | P00/INT4 | Signal to cut power supply STOP | I | L |
| 32 | P01/SCK | Serial latch for electrical adjustment use SI. LAT | I | L |

| PIN No. | SIGNAL NAME | FUNCTION | I/O | ACTIVE |
|---------|-------------|---|-----|--------|
| 33 | P02/S0 | Tuner Auto Stop input ASTP | I | L |
| 34 | P03/S1 | Tuner Stereo input STEREO | I | L |
| 35 | P10/INT0 | Remote Control Signal input SIRCS | I | L |
| 36 | P11/INT1 | Protector input PROTECT | I | L |
| 37 | P12/INT2 | System Power Key input PKEY | I | L |
| 38 | P13/TI0 | Adapter Mechanical Switch input AKEY | I | H |
| 39 | P20 | Surround output SURROUND | O | H |
| 40 | P21 | Video Control A VCRA | O | H |
| 41 | P22 | Video Control B VCRB | O | H |
| 42 | P23/BUZ | Video Inhibit VCRI | O | H |
| 43 | P30 | Protector Muting PMUT | O | L |
| 44 | P31 | Source Direct Output | O | H |
| 45 | P32 | Standby LED Output STANBY | O | H |
| 46 | P33 | Tuner Muting TMUTE | O | H |
| 47 | P60 | PLL/7822 Latch PLAT | O | H |
| 48 | P61 | PLL/7822/SI Data DATA | I/O | H |
| 49 | P62 | PLL/7822/SI Clock CLOK | I/O | H |
| 50 | P63 | IF WIDE/NARROW Display output | O | H |
| 51 | P40 | Function Muting FMUTE | O | L |
| 52 | P41 | Motor Volume UP VOL+ | O | H |
| 53 | P42 | Motor Volume DOWN VOL- | O | H |
| 54 | P43 | Speaker Relay SP. RY | O | H |
| 55 | PP0 | Power Relay POW. RY | O | H |
| 56 | X1 | Ceramic Oscillator | - | - |
| 57 | X2 | Ceramic Oscillator | - | - |
| 58 | Vss | Micro Computer GND | - | - |
| 59 | XT1 | - | - | - |
| 60 | XT2 | - | - | - |
| 61 | P50 | P50 Key Scan Input | I | H |
| 62 | P51 | P51 Key Scan Input | I | H |
| 63 | P52 | P52 Key Scan Input | I | H |
| 64 | P53 | P53 Key Scan Input | I | H |

SECTION 4 EXPLODED VIEWS

NOTE:

- -XX and -X mean standardized parts, so they may have some differences from the original one.

- Color Indication of Appearance Parts
Example:
KNOB, BALANCE (WHITE) . . . (RED)

↑ ↑
Parts Color Cabinet's Color

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

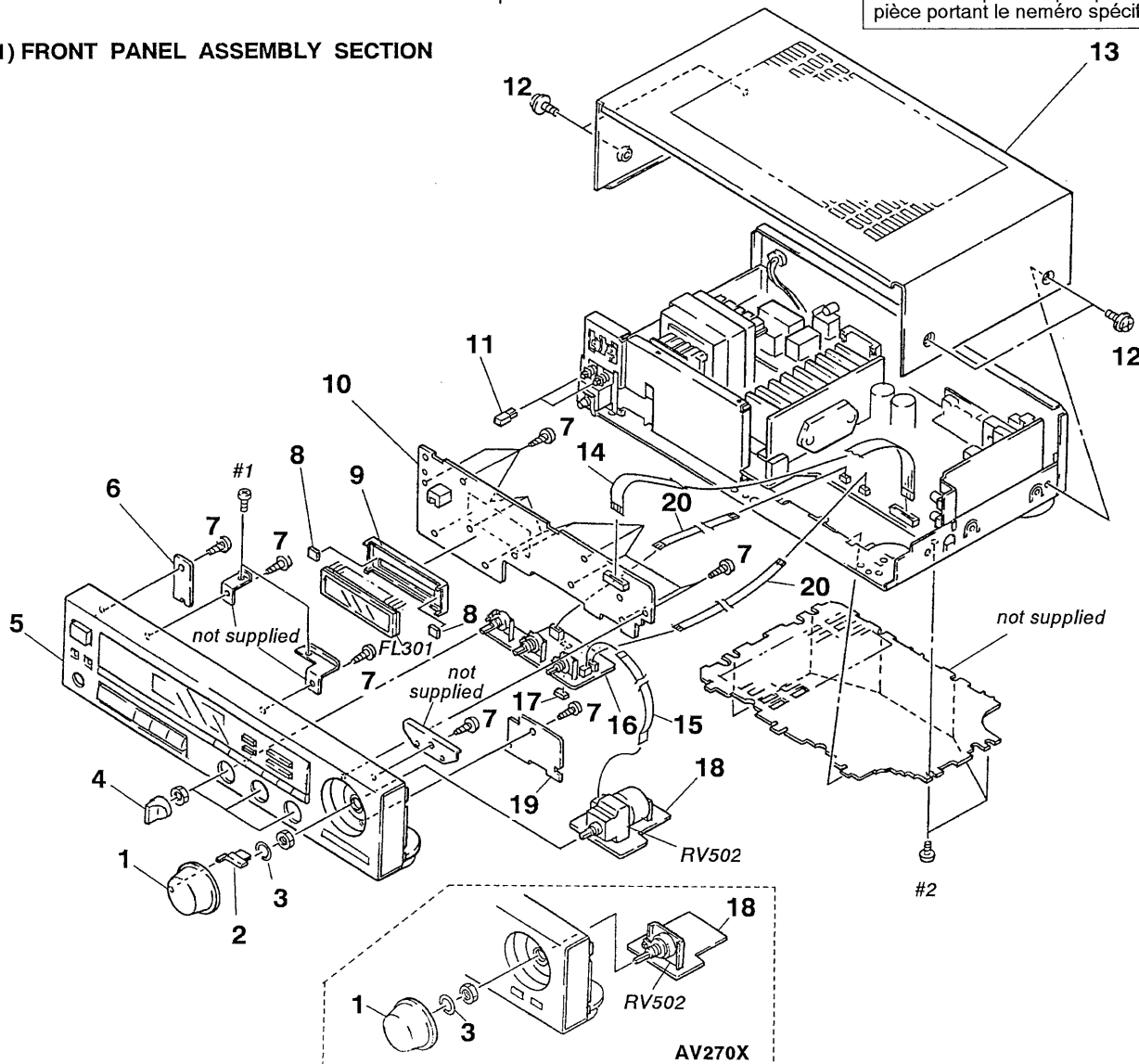
- The mechanical parts with no reference number in the exploded views are not supplied.

- Hardware (# mark) list is given in the last of this parts list.

The components identified by mark or dotted line with mark are critical for safety. Replace only with part number specified.

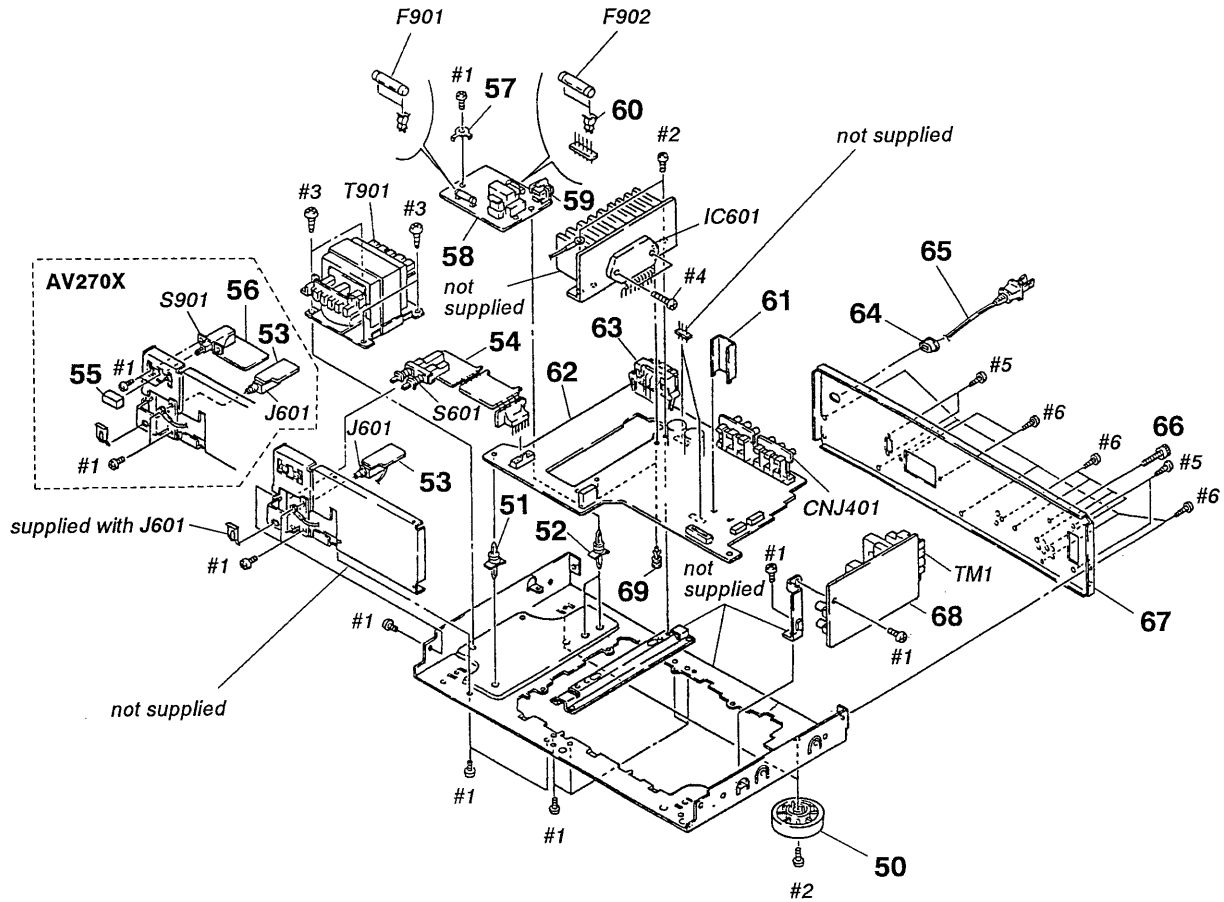
Les composants identifiés par une marque sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

(1) FRONT PANEL ASSEMBLY SECTION



| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark |
|----------|----------------|---|--------|----------|----------------|--|--------|
| 1 | 4-943-091-11 | KNOB (VOLUME) (AV270X) | | 10 | * A-4341-720-A | DISPLAY BOARD, COMPLETE (AV270X) | |
| 1 | 4-943-091-01 | KNOB (VOLUME) (AV570X/AV370X/AV23) | | 10 | * A-4341-729-A | DISPLAY BOARD, COMPLETE (AV570X/AV370X/AV23) | |
| 2 | 4-943-092-01 | PLATE (VOL), LIGHT GUIDE (AV570X/AV370X/AV23) | | 11 | 4-943-087-01 | BUTTON (S) | |
| 3 | 3-350-426-01 | SPRING, RING | | 12 | 3-704-366-01 | SCREW (CASE) (M3X8) | |
| 4 | 4-916-745-11 | KNOB (DIA. 21) (TONE) | | 13 | 4-943-088-11 | CASE | |
| 5 | A-4323-871-A | PANEL ASSY, FRONT (AV570X) | | 14 | * 1-590-499-11 | WIRE, FLAT TYPE (23 CORE) | |
| 5 | A-4323-900-A | PANEL ASSY, FRONT (AV370X) | | 15 | * 1-590-770-11 | WIRE, FLAT TYPE (11 CORE) | |
| 5 | A-4323-869-A | PANEL ASSY, FRONT (AV270X) | | 16 | * A-4341-733-A | TONE BOARD, COMPLETE | |
| 5 | A-4323-868-A | PANEL ASSY, FRONT (AV23) | | 17 | 9-911-842-XX | CUSHION (CD), RUBBER | |
| 6 | * 1-638-236-11 | STAND BY BOARD (AV570X/AV370X/AV23) | | 18 | * 1-638-950-11 | VOLUME BOARD | |
| 7 | 4-928-635-01 | SCREW, +BV (2.6X8) TAPPING | | 19 | * 1-638-239-11 | MUTING BOARD | |
| 8 | * 4-921-941-01 | CUSHION (FL) | | 20 | * 1-590-769-11 | WIRE, FLAT TYPE (7 CORE) | |
| 9 | * 4-943-107-01 | HOLDER (FL TUBE) | | | | | |

(2) CHASSIS SECTION



| Ref.No. | Part No. | Description | Remark |
|---------|----------------|------------------------------------|--------|
| 50 | 3-318-688-51 | FOOT (F58175S) | |
| 51 | * 4-924-098-11 | HOLDER, PC BOARD | |
| 52 | * 4-924-098-31 | HOLDER, PC BOARD | |
| 53 | * 1-638-949-11 | HP BOARD | |
| 54 | * 1-638-234-11 | SPEAKER SWITCH BOARD | |
| 55 | 4-917-460-01 | KNOB, POWER (AV270X) | |
| 56 | * 1-638-237-11 | AC SWITCH BOARD (AV270X) | |
| 57 | * 4-942-204-11 | PLATE, CROUND | |
| 58 | * 1-638-235-11 | POWER BOARD | |
| 59 | △ 1-540-057-11 | OUTLET, AC (POLAR) | |
| 60 | 1-533-217-31 | HOLDER, FUSE | |
| 61 | * 4-880-403-11 | HEAT SINK | |
| 62 | * A-4341-726-A | MAIN BOARD, COMPLETE (AV570X) | |
| 62 | * A-4341-718-A | MAIN BOARD, COMPLETE (AV270X) | |
| 62 | * A-4345-248-A | MAIN BOARD, COMPLETE (AV370X/AV23) | |

| Ref.No. | Part No. | Description | Remark |
|---------|----------------|---|--------|
| 63 | 1-537-341-11 | TERMINAL BOARD, (8P) (SPEAKER) | |
| 64 | * 3-703-244-00 | BUSHING (2104), CORD | |
| 65 | △ 1-551-478-00 | CORD, POWER | |
| 66 | 3-706-165-00 | SCREW | |
| 67 | * 4-943-098-01 | PANEL, BACK (AV570X) | |
| 67 | * 4-943-109-01 | PANEL, BACK (AV270X) | |
| 67 | * 4-943-109-31 | PANEL, BACK (AV23) | |
| 67 | * 4-943-109-41 | PANEL, BACK (AV370X) | |
| 68 | * A-4341-739-A | TUNER BOARD, COMPLETE | |
| 69 | * 3-698-359-01 | RIVET (DIA 3.5), NYLON | |
| F901 | △ 1-576-107-11 | FUSE GLASS TUBE (3.15A 125V) | |
| F902 | △ 1-576-109-11 | FUSE GLASS TUBE (5A 125V) | |
| T901 | △ 1-450-365-11 | TRANSFORMER, POWER (AV370X/AV270X/AV23) | |
| T901 | △ 1-450-362-11 | TRANSFORMER, POWER (AV570X) | |

Note:
The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

Note:
Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

SECTION 5
ELECTRICAL PARTS LIST

AC SWITCH DISPLAY
POWER STAND BY VOLUME

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some differences from the original one.
- RESISTORS
All resistors are in ohms.
METAL: Metal-film resistor
METAL OXIDE: Metal Oxide-film resistor
F: nonflammable

- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
In each case, u: μ , for example:
uA...: μ A..., uPA...: μ PA...,
uPB...: μ PB..., uPC...: μ PC...,
uPD...: μ PD...
- CAPACITORS
uF: μ F
- COILS
uH: μ H

The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

When including parts by reference number, please include the board name.

| Ref. No. | Part No. | Description | Remark |
|----------|-----------------------|---|---------------|
| | * 1-638-237-11 | AC SWITCH BOARD (AV270X) ***** | |
| | | < CAPACITOR > | |
| C901 | Δ 1-161-744-00 | CERAMIC 0.01uF | 400V (AV270X) |
| | | < SWITCH > | |
| S901 | Δ 1-572-267-21 | SWITCH, PUSH (AC POWER) (1 KEY) (POWER) (AV270X) | |
| ***** | | | |
| | * A-4341-720-A | DISPLAY BOARD, COMPLETE ***** | |
| | * 1-638-235-11 | POWER BOARD ***** | |
| | * 1-638-236-11 | STAND BY BOARD ***** | |
| | * 1-638-950-11 | VOLUME BOARD ***** | |
| | 1-533-217-31 | HOLDER, FUSE | |
| | 1-533-217-31 | HOLDER, FUSE | |
| | * 1-535-140-00 | BASE POST 22MM (10MM PITCH) 3P | |
| | 1-535-416-00 | TERMINAL | |
| | * 1-568-830-11 | SOCKET, CONNECTOR 11P | |
| | * 4-921-941-01 | CUSHION (FL) | |
| | * 4-942-204-01 | PLATE, GROUND | |
| | * 4-943-107-01 | HOLDER (FL TUBE) | |
| | | < CAPACITOR > | |
| C301 | 1-162-306-11 | CERAMIC 0.01uF | 20% 16V |
| C303 | 1-162-306-11 | CERAMIC 0.01uF | 20% 16V |
| C304 | 1-162-306-11 | CERAMIC 0.01uF | 20% 16V |
| C306 | 1-124-261-00 | ELECT 10uF | 20% 50V |
| C307 | 1-162-306-11 | CERAMIC 0.01uF | 20% 16V |

| Ref. No. | Part No. | Description | Remark |
|----------|-----------------|---|---------------------------------|
| C308 | 1-125-486-11 | DUBLE LAYERS 0.22F | 5.5V |
| C309 | 1-124-261-00 | ELECT 10uF | 20% 50V |
| C310 | 1-162-306-11 | CERAMIC 0.01uF | 20% 16V |
| C311 | 1-162-306-11 | CERAMIC 0.01uF | 20% 16V |
| C517 | 1-124-464-11 | ELECT 0.22uF | 20% 50V (AV570X/AV370X/AV23) |
| | | < CONNECTOR > | |
| | CNJ306 * | 1-568-937-11 PIN, CONNECTOR 10P | |
| | CNJ901 Δ | 1-540-057-11 OUTLET, AC (POLAR) | |
| | CNP904 * | 1-560-062-00 PIN, CONNECTOR 4P (AV570X/AV370X/AV23) | |
| | CNS301 * | 1-568-865-11 SOCKET, CONNECTOR 23P | |
| | CNS302 * | 1-568-951-11 PIN, CONNECTOR 2P (AV570X/AV370X/AV23) | |
| | | < DIODE > | |
| D301 | 8-719-987-63 | DIODE 1N4148M | |
| D302 | 8-719-987-63 | DIODE 1N4148M | |
| D303 | 8-719-987-63 | DIODE 1N4148M | |
| D304 | 8-719-987-63 | DIODE 1N4148M | |
| D305 | 8-719-987-63 | DIODE 1N4148M | |
| D306 | 8-719-987-63 | DIODE 1N4148M | |
| D307 | 8-719-987-63 | DIODE 1N4148M | |
| D308 | 8-719-987-63 | DIODE 1N4148M | |
| D309 | 8-719-987-63 | DIODE 1N4148M | |
| D311 | 8-719-987-63 | DIODE 1N4148M | |
| D312 | 8-719-987-63 | DIODE 1N4148M | |
| D313 | 8-719-985-53 | DIODE HZS4ALL | |
| D314 | 8-719-987-63 | DIODE 1N4148M | |
| D315 | 8-719-987-63 | DIODE 1N4148M | |

DISPLAY

POWER

STAND BY

VOLUME

| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark |
|----------|--------------|--|--------|----------|--------------|---|--------|
| D323 | 8-719-987-63 | DIODE 1N4148M | | R337 | 1-249-437-11 | CARBON 47K 5% 1/4W | |
| D324 | 8-719-987-63 | DIODE 1N4148M | | R338 | 1-249-437-11 | CARBON 47K 5% 1/4W | |
| D325 | 8-719-987-63 | DIODE 1N4148M | | R347 | 1-249-437-11 | CARBON 47K 5% 1/4W | |
| D326 | 8-719-987-63 | DIODE 1N4148M | | R348 | 1-249-437-11 | CARBON 47K 5% 1/4W | |
| D327 | 8-719-987-63 | DIODE 1N4148M | | R349 | 1-249-437-11 | CARBON 47K 5% 1/4W | |
| D803 | 8-719-987-63 | DIODE 1N4148M | | | | | |
| | | < FULORESCENT INDICATOR TUBE > | | R350 | 1-249-437-11 | CARBON 47K 5% 1/4W | |
| FL301 | 1-519-509-11 | INDICATOR TUBE, FLUORESCENT | | R351 | 1-249-437-11 | CARBON 47K 5% 1/4W | |
| | | < IC > | | R352 | 1-249-437-11 | CARBON 47K 5% 1/4W | |
| IC301 | 8-759-154-23 | IC uPD75206G-557-1B | | R353 | 1-249-437-11 | CARBON 47K 5% 1/4W | |
| IC302 | 8-749-920-83 | IC GP1U52XB (AV570X/AV370X/AV23) | | R354 | 1-249-437-11 | CARBON 47K 5% 1/4W | |
| IC304 | 8-759-820-62 | IC LB1639 (AV570X/AV370X/AV23) | | | | | |
| | | < COIL > | | R355 | 1-249-437-11 | CARBON 47K 5% 1/4W | |
| L301 | 1-410-521-11 | INDUCTOR 100uH | | R356 | 1-249-401-11 | CARBON 47 5% 1/4W | |
| | | < TRANSFORMER > | | R901 | 1-202-725-00 | SOLID 3.3M 10% 1/2W | |
| PT902 | 1-450-361-11 | TRANSFORMER, POWER (AV570X/AV370X/AV23) | | | | | |
| | | < TRANSISTOR > | | | | | |
| Q305 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | | | | |
| Q306 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE (AV570X/AV370X/AV23) | | | | | |
| Q307 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | | | | |
| | | < RESISTOR > | | | | | |
| R301 | 1-249-411-11 | CARBON 330 5% 1/4W | | | | | |
| R302 | 1-249-411-11 | CARBON 330 5% 1/4W | | | | | |
| R303 | 1-249-411-11 | CARBON 330 5% 1/4W | | | | | |
| R304 | 1-249-411-11 | CARBON 330 5% 1/4W | | | | | |
| R305 | 1-249-429-11 | CARBON 10K 5% 1/4W | | | | | |
| R306 | 1-249-429-11 | CARBON 10K 5% 1/4W | | | | | |
| R307 | 1-249-429-11 | CARBON 10K 5% 1/4W | | | | | |
| R308 | 1-249-429-11 | CARBON 10K 5% 1/4W | | | | | |
| R311 | 1-249-429-11 | CARBON 10K 5% 1/4W | | | | | |
| R312 | 1-249-431-11 | CARBON 15K 5% 1/4W | | | | | |
| R313 | 1-249-417-11 | CARBON 1K 5% 1/4W | | | | | |
| R314 | 1-249-441-11 | CARBON 100K 5% 1/4W | | | | | |
| R315 | 1-249-437-11 | CARBON 47K 5% 1/4W | | | | | |
| R316 | 1-249-441-11 | CARBON 100K 5% 1/4W | | | | | |
| R325 | 1-249-441-11 | CARBON 100K 5% 1/4W | | | | | |
| R331 | 1-249-437-11 | CARBON 47K 5% 1/4W (AV270X) | | | | | |
| R332 | 1-249-437-11 | CARBON 47K 5% 1/4W (AV270X) | | | | | |
| R333 | 1-249-437-11 | CARBON 47K 5% 1/4W (AV270X) | | | | | |
| R334 | 1-249-437-11 | CARBON 47K 5% 1/4W (AV270X) | | | | | |
| R335 | 1-249-437-11 | CARBON 47K 5% 1/4W (AV270X) | | | | | |
| | | < RESISTOR ARRAY > | | | | | |
| | | | | RB301 | 1-233-081-11 | COMPOSITION CIRCUIT BLOCK | |
| | | < VARIABLE RESISTOR > | | | | | |
| | | | | RV502 | 1-241-405-11 | RES, VAR, CARBON 100K/100K (VOLUME) (AV570X/AV370X/AV23) | |
| | | | | RV502 | 1-241-408-11 | RES, VAR, CARBON 100K/100K (VOLUME) (AV270X) | |
| | | < RELAY > | | | | | |
| | | | | RY901 | 1-515-720-11 | RELAY (AV570X/AV370X/AV23) | |
| | | < SWITCH > | | | | | |
| | | | | S301 | 1-554-303-21 | SWITCH, TACTILE (DIRECT) | |
| | | | | S302 | 1-554-303-21 | SWITCH, TACTILE (CH -) | |
| | | | | S303 | 1-554-303-21 | SWITCH, TACTILE (TUNING -) | |
| | | | | S304 | 1-554-303-21 | SWITCH, TACTILE (FM) | |
| | | | | S305 | 1-554-303-21 | SWITCH, TACTILE (FM MODE) | |
| | | | | S306 | 1-554-303-21 | SWITCH, TACTILE (CH +) | |
| | | | | S307 | 1-554-303-21 | SWITCH, TACTILE (TUNING +) | |
| | | | | S308 | 1-554-303-21 | SWITCH, TACTILE (AM) | |
| | | | | S310 | 1-554-303-21 | SWITCH, TACTILE (TAPE) | |
| | | | | S311 | 1-554-303-21 | SWITCH, TACTILE (VIDEO) | |
| | | | | S312 | 1-554-303-21 | SWITCH, TACTILE (PHONO) | |
| | | | | S313 | 1-554-303-21 | SWITCH, TACTILE (TUNER) | |
| | | | | S314 | 1-554-303-21 | SWITCH, TACTILE (CD) | |
| | | | | S315 | 1-554-303-21 | SWITCH, TACTILE (7) | |
| | | | | S316 | 1-554-303-21 | SWITCH, TACTILE (8) | |
| | | | | S317 | 1-554-303-21 | SWITCH, TACTILE (9) | |
| | | | | S318 | 1-554-303-21 | SWITCH, TACTILE (MEMORY) | |
| | | | | S319 | 1-554-303-21 | SWITCH, TACTILE (4) | |
| | | | | S320 | 1-554-303-21 | SWITCH, TACTILE (5) | |
| | | | | S321 | 1-554-303-21 | SWITCH, TACTILE (6) | |
| | | | | S322 | 1-554-303-21 | SWITCH, TACTILE (0) | |

DISPLAY

POWER

STAND BY

VOLUME

MAIN

TONE

SPEAKER SWITCH

MUTING

HP

| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark |
|----------|--------------|--|----------|----------|--------------|----------------|----------|
| S323 | 1-554-303-21 | SWITCH, TACTILE (1) | | C418 | 1-124-478-11 | ELECT 100uF | 20% 25V |
| S324 | 1-554-303-21 | SWITCH, TACTILE (2) | | C419 | 1-124-478-11 | ELECT 100uF | 20% 25V |
| S325 | 1-554-303-21 | SWITCH, TACTILE (3) | | C420 | 1-124-927-11 | ELECT 4.7uF | 20% 100V |
| S326 | 1-554-303-21 | SWITCH, TACTILE (SHIFT) | | C421 | 1-124-927-11 | ELECT 4.7uF | 20% 100V |
| S330 | 1-554-303-21 | SWITCH, TACTILE (POWER) | | C451 | 1-162-282-31 | CERAMIC 100PF | 10% 50V |
| | | (AV570X/AV370X/AV23) | | | | | |
| | | < VARISTOR > | | C452 | 1-123-382-00 | ELECT 3.3uF | 20% 100V |
| VZ901 | 1-807-293-31 | VARISTOR SNR-14A221U | | C453 | 1-162-282-31 | CERAMIC 100PF | 10% 50V |
| | | < CERAMIC > | | C454 | 1-162-282-31 | CERAMIC 100PF | 10% 50V |
| X301 | 1-577-101-11 | VIBRATOR, CERAMIC (4.19MHz) | | C455 | 1-124-034-51 | ELECT 33uF | 20% 16V |
| | | ***** | | C456 | 1-130-480-00 | MYLAR 0.0056uF | 5% 50V |
| | | * A-4341-726-A MAIN BOARD, COMPLETE | | C457 | 1-130-473-00 | MYLAR 0.0015uF | 5% 50V |
| | | ***** | | C458 | 1-123-382-00 | ELECT 3.3uF | 20% 100V |
| | | * A-4341-733-A TONE BOARD, COMPLETE | | C501 | 1-130-489-00 | MYLAR 0.033uF | 5% 50V |
| | | ***** | | C502 | 1-124-250-00 | ELECT 0.15uF | 20% 50V |
| | | * 1-638-234-11 SPEAKER SWITCH BOARD | | C503 | 1-130-481-00 | MYLAR 0.0068uF | 5% 50V |
| | | ***** | | C504 | 1-130-489-00 | MYLAR 0.033uF | 5% 50V |
| | | * 1-638-239-11 MUTING BOARD | | C505 | 1-126-163-11 | ELECT 4.7uF | 20% 50V |
| | | ***** | | C506 | 1-124-925-11 | ELECT 2.2uF | 20% 100V |
| | | * 1-638-949-11 HP BOARD | | C507 | 1-101-880-00 | CERAMIC 47PF | 5% 50V |
| | | ***** | | C509 | 1-124-903-11 | ELECT 1uF | 20% 50V |
| | | * 1-568-826-11 SOCKET, CONNECTOR 7P | | C510 | 1-130-489-00 | MYLAR 0.033uF | 5% 50V |
| | | * 1-568-826-11 SOCKET, CONNECTOR 7P | | C512 | 1-124-464-11 | ELECT 0.22uF | 20% 50V |
| | | * 1-568-830-11 SOCKET, CONNECTOR 11P | | C513 | 1-124-464-11 | ELECT 0.22uF | 20% 50V |
| | | * 3-698-359-01 RIVET (DIA. 3.5), NYLON | | C514 | 1-136-163-00 | MYLAR 0.068uF | 10% 50V |
| | | * 4-880-403-31 HEAT SINK | | C515 | 1-102-106-00 | CERAMIC 100PF | 10% 50V |
| | | 7-685-650-79 SCREW +BVTP 3X16 TYPE2 IT-3 | | C551 | 1-130-489-00 | MYLAR 0.033uF | 5% 50V |
| | | 7-682-548-04 SCREW +BVTT 3X8 (S) | | C552 | 1-124-250-00 | ELECT 0.15uF | 20% 50V |
| | | < CAPACITOR > | | C553 | 1-130-481-00 | MYLAR 0.0068uF | 5% 50V |
| C091 | 1-164-089-11 | CERAMIC 0.0022uF | 50V | C554 | 1-130-489-00 | MYLAR 0.033uF | 5% 50V |
| C092 | 1-164-089-11 | CERAMIC 0.0022uF | 50V | C555 | 1-126-163-11 | ELECT 4.7uF | 20% 50V |
| C401 | 1-162-282-31 | CERAMIC 100PF | 10% 50V | C556 | 1-124-925-11 | ELECT 2.2uF | 20% 100V |
| C402 | 1-123-382-00 | ELECT 3.3uF | 20% 100V | C557 | 1-101-880-00 | CERAMIC 47PF | 5% 50V |
| C403 | 1-162-282-31 | CERAMIC 100PF | 10% 50V | C559 | 1-124-903-11 | ELECT 1uF | 20% 50V |
| C404 | 1-162-282-31 | CERAMIC 100PF | 10% 50V | C560 | 1-130-489-00 | MYLAR 0.033uF | 5% 50V |
| C405 | 1-124-034-51 | ELECT 33uF | 20% 16V | C565 | 1-102-106-00 | CERAMIC 100PF | 10% 50V |
| C406 | 1-130-480-00 | MYLAR 0.0056uF | 5% 50V | C601 | 1-162-286-31 | CERAMIC 220PF | 10% 50V |
| C407 | 1-130-473-00 | MYLAR 0.0015uF | 5% 50V | C602 | 1-124-927-11 | ELECT 4.7uF | 20% 100V |
| C408 | 1-123-382-00 | ELECT 3.3uF | 20% 100V | C603 | 1-162-288-31 | CERAMIC 330PF | 10% 50V |
| C409 | 1-124-477-11 | ELECT 47uF | 20% 25V | C604 | 1-124-122-11 | ELECT 100uF | 20% 50V |
| C410 | 1-124-477-11 | ELECT 47uF | 20% 25V | C605 | 1-124-910-11 | ELECT 47uF | 20% 50V |
| C411 | 1-162-294-31 | CERAMIC 0.001uF | 10% 50V | C606 | 1-124-120-11 | ELECT 220uF | 20% 25V |
| C412 | 1-162-282-31 | CERAMIC 100PF | 10% 50V | C607 | 1-162-193-31 | CERAMIC 3.3PF | 10% 50V |
| C417 | 1-124-478-11 | ELECT 100uF | 20% 25V | C608 | 1-124-907-11 | ELECT 10uF | 20% 50V |
| | | | | C621 | 1-130-495-00 | MYLAR 0.1uF | 5% 50V |
| | | | | C622 | 1-130-495-00 | MYLAR 0.1uF | 5% 50V |
| | | | | C623 | 1-124-907-11 | ELECT 10uF | 20% 50V |
| | | | | C624 | 1-124-472-11 | ELECT 470uF | 20% 10V |
| | | | | C625 | 1-130-495-00 | MYLAR 0.1uF | 5% 50V |
| | | | | C651 | 1-162-286-31 | CERAMIC 220PF | 10% 50V |

MAIN

tone

SPEAKER SWITCH

MUTING

HP

| Ref. No. | Part No. | Description | Remark |
|---------------|--------------|---|--|
| C652 | 1-124-927-11 | ELECT | 4.7uF 20% 100V |
| C653 | 1-162-288-31 | CERAMIC | 330PF 10% 50V |
| C654 | 1-124-122-11 | ELECT | 100uF 20% 50V |
| C655 | 1-124-910-11 | ELECT | 47uF 20% 50V |
| C656 | 1-124-120-11 | ELECT | 220uF 20% 25V |
| C657 | 1-162-193-31 | CERAMIC | 3.3PF 10% 50V |
| C658 | 1-124-907-11 | ELECT | 10uF 20% 50V |
| C671 | 1-130-495-00 | MYLAR | 0.1uF 5% 50V |
| C672 | 1-130-495-00 | MYLAR | 0.1uF 5% 50V |
| C675 | 1-130-495-00 | MYLAR | 0.1uF 5% 50V |
| C701 | 1-106-367-00 | MYLAR | 0.01uF 5% 200V |
| C702 | 1-106-367-00 | MYLAR | 0.01uF 5% 200V |
| C704 | 1-124-478-11 | ELECT | 100uF 20% 25V |
| C705 | 1-124-477-11 | ELECT | 47uF 20% 25V |
| C706 | 1-101-005-00 | CERAMIC | 22000PF 50V |
| C708 | 1-124-927-11 | ELECT | 4.7uF 20% 100V |
| C710 | 1-124-910-11 | ELECT | 47uF 20% 50V |
| C711 | 1-124-910-11 | ELECT | 47uF 20% 50V |
| C712 | 1-124-907-11 | ELECT | 10uF 20% 50V |
| C713 | 1-124-477-11 | ELECT | 47uF 20% 25V |
| C714 | 1-124-477-11 | ELECT | 47uF 20% 25V |
| C716 | 1-124-464-11 | ELECT | 0.22uF 20% 50V |
| C717 | 1-124-902-00 | ELECT | 0.47uF 20% 50V |
| C718 | 1-124-903-11 | ELECT | 1uF 20% 50V |
| C719 | 1-101-005-00 | CERAMIC | 22000PF 50V |
| C801 | 1-125-614-11 | ELECT | 6800uF 20% 50V |
| C802 | 1-125-614-11 | ELECT | 6800uF 20% 50V |
| C803 | 1-101-005-00 | CERAMIC | 22000PF 50V (AV570X/AV370X/AV23) |
| C804 | 1-101-005-00 | CERAMIC | 22000PF 50V (AV570X/AV370X/AV23) |
| C805 | 1-124-557-11 | ELECT | 1000uF 20% 25V (AV570X/AV370X/AV23) |
| C806 | 1-101-005-00 | CERAMIC | 22000PF 50V (AV570X/AV370X/AV23) |
| C810 | 1-124-903-11 | ELECT | 1uF 20% 50V |
| < CONNECTOR > | | | |
| CNJ401 * | 1-580-835-11 | JACK, PIN 6P | |
| CNJ402 * | 1-580-835-11 | JACK, PIN 6P | |
| CNJ610 * | 1-569-507-11 | PIN, CONNECTOR 12P | |
| CNP503 * | 1-564-507-11 | PLUG, CONNECTOR 4P (AV570X/AV370X/AV23) | |
| CNP504 * | 1-535-116-00 | TERMINAL | |
| CNP505 * | 1-580-804-11 | PIN, CONNECTOR 10P | |
| CNP506 * | 1-564-903-11 | PIN, CONNECTOR (L TYPE) 7P | |
| CNP507 * | 1-569-498-11 | SOCKET, CONNECTOR 12P | |
| CNP508 * | 1-568-952-11 | PIN, CONNECTOR 3P | |
| CNS501 * | 1-568-839-11 | SOCKET, CONNECTOR 23P | |

| Ref. No. | Part No. | Description | Remark |
|----------------|----------------|---|--------|
| < DIODE > | | | |
| D317 | 8-719-313-50 | DIODE SEL2810A-C (MUTING) (AV570X/AV370X/AV23) | |
| D318 | 8-719-313-50 | DIODE SEL2810A-C (SURROUND) | |
| D319 | 8-719-313-50 | DIODE SEL2810A-C (DBFB) | |
| D401 | 8-719-987-63 | DIODE 1N4148M | |
| D402 | 8-719-987-63 | DIODE 1N4148M | |
| D403 | 8-719-987-63 | DIODE 1N4148M | |
| D502 | 8-719-987-63 | DIODE 1N4148M | |
| D601 | 8-719-987-63 | DIODE 1N4148M | |
| D602 | 8-719-987-63 | DIODE 1N4148M | |
| D603 | 8-719-987-63 | DIODE 1N4148M | |
| D604 | 8-719-987-63 | DIODE 1N4148M | |
| D605 | 8-719-987-63 | DIODE 1N4148M | |
| D651 | 8-719-987-63 | DIODE 1N4148M | |
| D702 | 8-719-010-86 | DIODE UZ-16BSB | |
| D703 | 8-719-010-29 | DIODE UZ-4.3BSB | |
| D704 | 8-719-110-67 | DIODE UZ-27ESB2 | |
| D705 | 8-719-010-82 | DIODE UZ-15BSB | |
| D706 | 8-719-010-47 | DIODE UZ-6.2BSB | |
| D707 | 8-719-933-41 | DIODE HZS6C3L | |
| D708 | 8-719-985-53 | DIODE HZS4ALL | |
| D709 | 8-719-987-63 | DIODE 1N4148M | |
| D801 | 8-719-312-09 | DIODE RBA-402 | |
| D803 | 8-719-987-63 | DIODE 1N4148M (AV570X/AV370X/AV23) | |
| D814 | 8-719-200-82 | DIODE 11ES2 (AV570X/AV370X/AV23) | |
| D815 | 8-719-200-82 | DIODE 11ES2 (AV570X/AV370X/AV23) | |
| D816 | 8-719-200-82 | DIODE 11ES2 (AV570X/AV370X/AV23) | |
| D817 | 8-719-200-82 | DIODE 11ES2 (AV570X/AV370X/AV23) | |
| D818 | 8-719-987-63 | DIODE 1N4148M | |
| D819 | 8-719-987-63 | DIODE 1N4148M | |
| < IC > | | | |
| IC401 | 8-759-112-93 | IC uPC4570HA-1 | |
| IC402 | 8-759-805-14 | IC LC7822 | |
| IC501 | 8-759-112-93 | IC uPC4570HA-1 | |
| IC601 Δ | 8-749-900-24 | IC STK4162MK2 (AV370X/AV270X/AV23) | |
| IC601 Δ | 8-749-900-78 | IC STK4192MK2 (AV570X) | |
| < JACK > | | | |
| J601 | 1-568-151-11 | JACK (LARGE TYPE) (HEADPHONES) | |
| < COIL > | | | |
| L601 | * 1-420-872-00 | COIL, AIR CORE | |
| L651 | * 1-420-872-00 | COIL, AIR CORE | |

Note:
The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

Note:
Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

MAIN

TONE

SPEAKER SWITCH

MUTING

HP

| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark |
|----------|--------------|--|--------|----------|--------------|----------------------|--------|
| | | < TRANSISTOR > | | | | | |
| Q302 | 8-729-900-36 | TRANSISTOR DTC124ES (AV570X/AV370X/AV23) | | R402 | 1-249-417-11 | CARBON 1K 5% | 1/4W |
| Q303 | 8-729-900-36 | TRANSISTOR DTC124ES | | R403 | 1-249-417-11 | CARBON 1K 5% | 1/4W |
| Q304 | 8-729-900-36 | TRANSISTOR DTC124ES | | R404 | 1-249-425-11 | CARBON 4.7K 5% | 1/4W |
| Q401 | 8-729-141-30 | TRANSISTOR 2SC3623A-LK (AV570X/AV370X/AV23) | | R405 | 1-249-417-11 | CARBON 1K 5% | 1/4W |
| Q402 | 8-729-141-30 | TRANSISTOR 2SC3623A-LK | | R406 | 1-249-425-11 | CARBON 4.7K 5% | 1/4W |
| Q403 | 8-729-900-63 | TRANSISTOR DTA124ES | | R407 | 1-247-897-11 | CARBON 560K 5% | 1/4W |
| Q451 | 8-729-141-30 | TRANSISTOR 2SC3623A-LK (AV570X/AV370X/AV23) | | R408 | 1-247-897-11 | CARBON 560K 5% | 1/4W |
| Q452 | 8-729-141-30 | TRANSISTOR 2SC3623A-LK | | R409 | 1-249-437-11 | CARBON 47K 5% | 1/4W |
| Q501 | 8-729-202-67 | TRANSISTOR 2SK246-GR3 | | R410 | 1-247-897-11 | CARBON 560K 5% | 1/4W |
| Q502 | 8-729-620-05 | TRANSISTOR 2SC2603-EF | | R411 | 1-249-416-11 | CARBON 820 5% | 1/4W |
| Q504 | 8-729-202-67 | TRANSISTOR 2SK246-GR3 | | R412 | 1-247-897-11 | CARBON 560K 5% | 1/4W |
| Q505 | 8-729-900-36 | TRANSISTOR DTC124ES | | R413 | 1-249-437-11 | CARBON 47K 5% | 1/4W |
| Q506 | 8-729-900-63 | TRANSISTOR DTA124ES | | R414 | 1-247-897-11 | CARBON 560K 5% | 1/4W |
| Q551 | 8-729-202-67 | TRANSISTOR 2SK246-GR3 | | R415 | 1-249-417-11 | CARBON 1K 5% | 1/4W |
| Q552 | 8-729-620-05 | TRANSISTOR 2SC2603-EF | | R416 | 1-249-411-11 | CARBON 330 5% | 1/4W |
| Q601 | 8-729-108-14 | TRANSISTOR 2SA988-FA | | R417 | 1-249-411-11 | CARBON 330 5% | 1/4W |
| Q602 | 8-729-620-05 | TRANSISTOR 2SC2603-EF | | R418 | 1-249-425-11 | CARBON 4.7K 5% | 1/4W |
| Q603 | 8-729-620-05 | TRANSISTOR 2SC2603-EF | | R419 | 1-247-838-00 | CARBON 2K 5% | 1/4W |
| Q604 | 8-729-620-05 | TRANSISTOR 2SC2603-EF | | R420 | 1-249-409-11 | CARBON 220 5% | 1/4W |
| Q605 | 8-729-620-05 | TRANSISTOR 2SC2603-EF | | | | (AV570X/AV370X/AV23) | |
| Q651 | 8-729-108-14 | TRANSISTOR 2SA988-FA | | R421 | 1-249-429-11 | CARBON 10K 5% | 1/4W |
| Q701 | 8-729-209-15 | TRANSISTOR 2SD2012 | | R422 | 1-249-425-11 | CARBON 4.7K 5% | 1/4W |
| Q702 | 8-729-140-97 | TRANSISTOR 2SB734-34 | | R423 | 1-249-437-11 | CARBON 47K 5% | 1/4W |
| Q703 | 8-729-180-92 | TRANSISTOR 2SD809-K | | R424 | 1-249-434-11 | CARBON 27K 5% | 1/4W |
| Q704 | 8-729-620-05 | TRANSISTOR 2SC2603-EF | | R425 | 1-249-441-11 | CARBON 100K 5% | 1/4W |
| Q705 | 8-729-900- | TRANSISTOR DTC124ES | | R426 | 1-249-405-11 | CARBON 100 5% | 1/4W |
| Q706 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | R427 | 1-249-437-11 | CARBON 47K 5% | 1/4W |
| Q707 | 8-729-620-05 | TRANSISTOR 2SC2603-EF | | R428 | 1-249-441-11 | CARBON 100K 5% | 1/4W |
| Q708 | 8-729-900-36 | TRANSISTOR DTC124ES | | R451 | 1-249-411-11 | CARBON 330 5% | 1/4W |
| Q709 | 8-729-904-39 | TRANSISTOR DTC114TS (AV570X/AV370X/AV23) | | R452 | 1-249-417-11 | CARBON 1K 5% | 1/4W |
| Q801 | 8-729-620-05 | TRANSISTOR 2SC2603-EF (AV570X/AV370X/AV23) | | R453 | 1-249-417-11 | CARBON 1K 5% | 1/4W |
| | | < RESISTOR > | | R454 | 1-249-425-11 | CARBON 4.7K 5% | 1/4W |
| R322 | 1-249-410-11 | CARBON 270 5% | 1/4W | R455 | 1-249-417-11 | CARBON 1K 5% | 1/4W |
| R323 | 1-249-410-11 | CARBON 270 5% | 1/4W | R456 | 1-249-425-11 | CARBON 4.7K 5% | 1/4W |
| | | (AV570X/AV370X/AV23) | | R457 | 1-247-897-11 | CARBON 560K 5% | 1/4W |
| R324 | 1-249-410-11 | CARBON 270 5% | 1/4W | R458 | 1-247-897-11 | CARBON 560K 5% | 1/4W |
| R357 | 1-249-429-11 | CARBON 10K 5% | 1/4W | R459 | 1-249-437-11 | CARBON 47K 5% | 1/4W |
| R358 | 1-249-429-11 | CARBON 10K 5% | 1/4W | R460 | 1-247-897-11 | CARBON 560K 5% | 1/4W |
| | | (AV570X/AV370X/AV23) | | R461 | 1-249-416-11 | CARBON 820 5% | 1/4W |
| R359 | 1-249-429-11 | CARBON 10K 5% | 1/4W | R462 | 1-247-897-11 | CARBON 560K 5% | 1/4W |
| R401 | 1-249-411-11 | CARBON 330 5% | 1/4W | R463 | 1-249-437-11 | CARBON 47K 5% | 1/4W |
| | | | | R464 | 1-247-897-11 | CARBON 560K 5% | 1/4W |
| | | | | R465 | 1-249-417-11 | CARBON 1K 5% | 1/4W |
| | | | | R469 | 1-247-838-00 | CARBON 2K 5% | 1/4W |
| | | | | R470 | 1-249-409-11 | CARBON 220 5% | 1/4W |
| | | | | | | (AV570X/AV370X/AV23) | |
| | | | | R501 | 1-249-429-11 | CARBON 10K 5% | 1/4W |
| | | | | R502 | 1-249-421-11 | CARBON 2.2K 5% | 1/4W |
| | | | | R503 | 1-249-441-11 | CARBON 100K 5% | 1/4W |

MAIN

TONE

SPEAKER SWITCH

MUTING

HP

| Ref. No. | Part No. | Description | | | Remark |
|----------|----------------|------------------------|-------|----|--------|
| R504 | 1-249-427-11 | CARBON | 6. 8K | 5% | 1/4W |
| R505 | 1-249-438-11 | CARBON | 56K | 5% | 1/4W |
| R506 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R507 | 1-247-883-00 | CARBON | 150K | 5% | 1/4W |
| R508 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R509 | 1-249-412-11 | CARBON | 390 | 5% | 1/4W |
| R510 | 1-249-427-11 | CARBON | 6. 8K | 5% | 1/4W |
| R518 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R519 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R520 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W |
| R521 | 1-249-427-11 | CARBON | 6. 8K | 5% | 1/4W |
| R522 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W |
| R551 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R552 | 1-249-421-11 | CARBON | 2. 2K | 5% | 1/4W |
| R553 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R554 | 1-249-427-11 | CARBON | 6. 8K | 5% | 1/4W |
| R555 | 1-249-438-11 | CARBON | 56K | 5% | 1/4W |
| R556 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R557 | 1-247-883-00 | CARBON | 150K | 5% | 1/4W |
| R558 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R559 | 1-249-412-11 | CARBON | 390 | 5% | 1/4W |
| R560 | 1-249-427-11 | CARBON | 6. 8K | 5% | 1/4W |
| R601 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R602 | 1-249-438-11 | CARBON | 56K | 5% | 1/4W |
| R603 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W |
| R604 | 1-249-423-11 | CARBON | 3. 3K | 5% | 1/4W |
| R605 | 1-249-438-11 | CARBON | 56K | 5% | 1/4W |
| R606 | △ 1-249-420-11 | CARBON | 1. 8K | 5% | 1/4W F |
| R607 | 1-217-151-00 | RES. METAL PLATE 0. 22 | | | |
| R608 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R612 | △ 1-249-405-11 | CARBON | 100 | 5% | 1/4W F |
| R615 | △ 1-249-405-11 | CARBON | 100 | 5% | 1/4W F |
| R621 | 1-249-427-11 | CARBON | 6. 8K | 5% | 1/4W |
| R622 | 1-249-435-11 | CARBON | 33K | 5% | 1/4W |
| R623 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R624 | △ 1-249-390-11 | CARBON | 5. 6 | 5% | 1/4W F |
| R625 | 1-247-768-00 | CARBON | 2. 4 | 5% | 1/4W |
| R626 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R627 | 1-249-435-11 | CARBON | 33K | 5% | 1/4W |
| R628 | 1-249-427-11 | CARBON | 6. 8K | 5% | 1/4W |
| R629 | △ 1-249-399-11 | CARBON | 33 | 5% | 1/4W F |
| R630 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R631 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R632 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R634 | 1-249-427-11 | CARBON | 6. 8K | 5% | 1/4W |
| R635 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R636 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W |
| R637 | △ 1-216-432-00 | METAL OXIDE | 820 | 5% | 1W F |
| R638 | △ 1-216-454-11 | METAL OXIDE | 390 | 5% | 2W F |

| Ref. No. | Part No. | Description | | | Remark |
|----------|----------------|------------------------|-------|----|--------|
| R639 | 1-247-768-00 | CARBON | 2. 4 | 5% | 1/4W |
| R640 | △ 1-249-419-11 | CARBON | 1. 5K | 5% | 1/4W F |
| R641 | △ 1-249-390-11 | CARBON | 5. 6 | 5% | 1/4W F |
| R651 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R652 | 1-249-438-11 | CARBON | 56K | 5% | 1/4W |
| R653 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W |
| R654 | 1-249-423-11 | CARBON | 3. 3K | 5% | 1/4W |
| R655 | 1-249-438-11 | CARBON | 56K | 5% | 1/4W |
| R656 | △ 1-249-420-11 | CARBON | 1. 8K | 5% | 1/4W F |
| R657 | 1-217-151-00 | RES. METAL PLATE 0. 22 | | | |
| R658A | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R658B | △ 1-216-454-11 | METAL OXIDE | 390 | 5% | 2W F |
| R671 | 1-249-427-11 | CARBON | 6. 8K | 5% | 1/4W |
| R672 | 1-249-435-11 | CARBON | 33K | 5% | 1/4W |
| R673 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R674 | △ 1-249-390-11 | CARBON | 5. 6 | 5% | 1/4W F |
| R675 | 1-247-768-00 | CARBON | 2. 4 | 5% | 1/4W |
| R689 | 1-247-768-00 | CARBON | 2. 4 | 5% | 1/4W |
| R690 | △ 1-249-419-11 | CARBON | 1. 5K | 5% | 1/4W F |
| R691 | △ 1-249-390-11 | CARBON | 5. 6 | 5% | 1/4W F |
| R702 | 1-249-422-11 | CARBON | 2. 7K | 5% | 1/4W |
| R703 | △ 1-216-448-11 | METAL OXIDE | 39 | 5% | 2W F |
| R705 | 1-249-423-11 | CARBON | 3. 3K | 5% | 1/4W |
| R706 | △ 1-249-405-11 | CARBON | 100 | 5% | 1/4W F |
| R707 | 1-249-410-11 | CARBON | 270 | 5% | 1/4W |
| R708 | △ 1-249-389-11 | CARBON | 4. 7 | 5% | 1/4W F |
| R709 | 1-249-423-11 | CARBON | 3. 3K | 5% | 1/4W |
| R710 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R711 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R712 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R713 | 1-249-426-11 | CARBON | 5. 6K | 5% | 1/4W |
| R714 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R715 | 1-249-426-11 | CARBON | 5. 6K | 5% | 1/4W |
| R716 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R718 | △ 1-249-401-11 | CARBON | 47 | 5% | 1/4W F |
| R721 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W |
| R722 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R723 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R724 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R725 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R726 | 1-249-410-11 | CARBON | 270 | 5% | 1/4W |
| R727 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R728 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R801 | △ 1-249-389-11 | CARBON | 4. 7 | 5% | 1/4W F |
| R802 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |

(AV570X/AV370X/AV23)

Note:

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

Note:

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MAIN

TONE

SPEAKER SWITCH

MUTING

HP

TUNER

| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark |
|---------------|--------------|--------------------------------------|--------------------------------------|----------|----------------|----------------------------------|-------------------|
| R803 | 1-249-396-11 | CARBON | 18 5% 1/6W (AV570X/AV370X/AV23) | C36 | 1-123-382-00 | ELECT | 3.3uF 20% 100V |
| R804 Δ | 1-247-739-11 | CARBON | 100 5% 1/2W F | C37 | 1-124-907-11 | ELECT | 10uF 20% 50V |
| R805 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W (AV570X/AV370X/AV23) | C39 | 1-164-232-11 | CERAMIC CHIP | 0.01uF 50V |
| | | < VARIABLE RESISTOR > | | C40 | 1-124-463-00 | ELECT | 0.1uF 20% 50V |
| RV501 | 1-241-407-11 | RES. VAR. CARBON 100K/100K | (BALANCE) | C41 | 1-124-927-11 | ELECT | 4.7uF 20% 100V |
| RV503 | 1-241-406-11 | RES. VAR. CARBON 100K/100K | (TONE BASS) | C42 | 1-164-232-11 | CERAMIC CHIP | 0.01uF 50V |
| RV504 | 1-241-406-11 | RES. VAR. CARBON 100K/100K | (TONE TREBLE) | C43 | 1-126-176-11 | ELECT | 220uF 20% 10V |
| | | < RELAY > | | C44 | 1-164-232-11 | CERAMIC CHIP | 0.01uF 50V |
| RY601 | 1-515-533-11 | RELAY | | C45 | 1-123-382-00 | ELECT | 3.3uF 20% 100V |
| | | < SWITCH > | | C46 | 1-164-161-11 | CERAMIC CHIP | 0.0022uF 10% 100V |
| S327 | 1-554-303-21 | SWITCH, TACTILE | | C48 | 1-123-382-00 | ELECT | 3.3uF 20% 100V |
| S328 | 1-554-303-21 | SWITCH, TACTILE | (AV570X/AV370X/AV23) | C49 | 1-164-161-11 | CERAMIC CHIP | 0.0022uF 10% 100V |
| S329 | 1-554-303-21 | SWITCH, TACTILE | | C51 | 1-124-477-11 | ELECT | 47uF 20% 25V |
| S601 | 1-571-485-11 | SWITCH, PUSH (2 KEY) | (SPEAKER A/B) | C61 | 1-163-037-11 | CERAMIC CHIP | 0.022uF 10% 25V |
| | | < TERMINAL > | | C62 | 1-163-037-11 | CERAMIC CHIP | 0.022uF 10% 25V |
| TM601 | 1-537-341-11 | TERMINAL BOARD | (8P SP) | C63 | 1-163-037-11 | CERAMIC CHIP | 0.022uF 10% 25V |
| | | ***** | | C64 | 1-163-037-11 | CERAMIC CHIP | 0.022uF 10% 25V |
| | | * A-4341-739-A TUNER BOARD, COMPLETE | | C81 | 1-102-961-00 | CERAMIC | 27PF 5% 50V |
| | | ***** | | C82 | 1-102-961-00 | CERAMIC | 27PF 5% 50V |
| | | < CAPACITOR > | | C83 | 1-164-232-11 | CERAMIC CHIP | 0.01uF 50V |
| C1 | 1-163-141-00 | CERAMIC CHIP | 0.001uF 5% 50V | C84 | 1-164-232-11 | CERAMIC CHIP | 0.01uF 50V |
| C2 | 1-124-477-11 | ELECT | 47uF 20% 25V | C85 | 1-164-232-11 | CERAMIC CHIP | 0.01uF 50V |
| C3 | 1-164-232-11 | CERAMIC CHIP | 0.01uF 50V | C86 | 1-124-477-11 | ELECT | 47uF 20% 25V |
| C4 | 1-163-141-00 | CERAMIC CHIP | 0.001uF 5% 50V | C87 | 1-164-232-11 | CERAMIC CHIP | 0.01uF 50V |
| C5 | 1-164-232-11 | CERAMIC CHIP | 0.01uF 50V | C101 | 1-124-925-11 | ELECT | 2.2uF 20% 100V |
| C10 | 1-163-037-11 | CERAMIC CHIP | 0.022uF 10% 25V | C102 | 1-124-463-00 | ELECT | 0.1uF 20% 50V |
| C21 | 1-161-021-11 | CERAMIC | 0.047uF 10% 25V | C104 | 1-164-232-11 | CERAMIC CHIP | 0.01uF 50V |
| C22 | 1-164-232-11 | CERAMIC CHIP | 0.01uF 50V | C105 | 1-124-477-11 | ELECT | 47uF 20% 25V |
| C23 | 1-124-477-11 | ELECT | 47uF 20% 25V | | | < FILTER > | |
| C24 | 1-123-382-00 | ELECT | 3.3uF 20% 100V | CF1 | 1-567-389-11 | FILTER, CERAMIC (FM) | |
| C25 | 1-164-232-11 | CERAMIC CHIP | 0.01uF 50V | CF2 | 1-567-389-11 | FILTER, CERAMIC (FM) | |
| C26 | 1-163-019-00 | CERAMIC CHIP | 0.0068uF 10% 50V | CF21 | 1-577-075-11 | OSCILLATOR, CERAMIC (19.0kHz) | |
| C27 | 1-163-117-00 | CERAMIC CHIP | 100PF 5% 50V | CFT21 | 1-404-713-11 | TRANSFORMER, 1F (CERAMIC FILTER) | |
| C28 | 1-124-903-11 | ELECT | 1uF 20% 50V | | | < CONNECTOR > | |
| C30 | 1-124-903-11 | ELECT | 1uF 20% 50V | CNJ1 | * 1-569-795-11 | HOUSING, CONNECTOR 10P | |
| C31 | 1-124-902-00 | ELECT | 0.47uF 20% 50V | CNJ2 | * 1-580-803-11 | HOUSING, CONNECTOR 7P | |
| C32 | 1-124-463-00 | ELECT | 0.1uF 20% 50V | | | < FRONT END > | |
| C33 | 1-130-482-00 | MYLAR | 0.0082uF 5% 50V | FE1 | 1-465-006-11 | FRONT END (FM) (2 GANG) | |
| C34 | 1-123-382-00 | ELECT | 3.3uF 20% 100V | FE61 | 1-236-461-11 | ENCAPSULATED COMPONENT (AM) | |
| C35 | 1-130-482-00 | MYLAR | 0.0082uF 5% 50V | | | < IC > | |
| | | | | IC21 | 8-759-821-45 | IC LA1851N | |
| | | | | IC81 | 8-759-820-91 | IC LC7218 | |

Note:
The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

Note:
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TUNER

| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark |
|----------|----------------|--------------------------|--------|----------|----------------|--------------------------------------|--------|
| | | < COIL > | | | | | |
| L21 | 1-410-494-11 | INDUCTOR 1MMH | | R81 | 1-216-049-00 | METAL CHIP 1K 5% 1/10W | |
| | | < FILTER > | | R82 | 1-216-049-00 | METAL CHIP 1K 5% 1/10W | |
| LPF21 | 1-235-164-00 | FILTER, LOW PASS | | R83 | 1-216-049-00 | METAL CHIP 1K 5% 1/10W | |
| LPF22 | 1-235-164-00 | FILTER, LOW PASS | | R84 | 1-216-049-00 | METAL CHIP 1K 5% 1/10W | |
| | | < TRANSISTOR > | | R85 | 1-216-073-00 | METAL CHIP 10K 5% 1/10W | |
| Q1 | 8-729-230-XX | TRANSISTOR 2SC2669-OY | | R86 | 1-216-049-00 | METAL CHIP 1K 5% 1/10W | |
| Q21 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R87 | 1-216-073-00 | METAL CHIP 10K 5% 1/10W | |
| Q22 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R88 | 1-216-065-00 | METAL CHIP 4.7K 5% 1/10W | |
| Q23 | 8-729-900-61 | TRANSISTOR DTA114ES | | R89 | 1-216-049-00 | METAL CHIP 1K 5% 1/10W | |
| Q24 | 8-729-900-80 | TRANSISTOR DTC114ES | | R90 | 1-216-073-00 | METAL CHIP 10K 5% 1/10W | |
| Q81 | 8-729-900-61 | TRANSISTOR DTA114ES | | R91 | 1-216-049-00 | METAL CHIP 1K 5% 1/10W | |
| Q82 | 8-729-900-80 | TRANSISTOR DTC114ES | | R92 | △ 1-249-401-11 | CARBON 47 5% 1/4W F | |
| Q83 | 8-729-202-67 | TRANSISTOR 2SK246-GR3 | | R101 | 1-216-061-00 | METAL CHIP 3.3K 5% 1/10W | |
| Q84 | 8-729-230-93 | TRANSISTOR 2SC3113-AB | | R102 | 1-216-043-00 | METAL CHIP 560 5% 1/10W | |
| | | < RESISTOR > | | R103 | 1-216-049-00 | METAL CHIP 1K 5% 1/10W | |
| R1 | △ 1-249-401-11 | CARBON 47 5% 1/4W F | | R104 | 1-216-035-00 | METAL CHIP 270 5% 1/10W | |
| R4 | 1-216-013-00 | METAL CHIP 33 5% 1/10W | | R105 | 1-216-065-00 | METAL CHIP 4.7K 5% 1/10W | |
| R5 | 1-216-013-00 | METAL CHIP 33 5% 1/10W | | R106 | 1-216-057-00 | METAL CHIP 2.2K 5% 1/10W | |
| R6 | 1-216-037-00 | METAL CHIP 330 5% 1/10W | | R107 | 1-216-065-00 | METAL CHIP 4.7K 5% 1/10W | |
| R7 | 1-216-109-00 | METAL CHIP 330K 5% 1/10W | | R108 | 1-216-025-00 | METAL CHIP 100 5% 1/10W | |
| R21 | △ 1-249-404-00 | CARBON 82 5% 1/4W F | | R109 | 1-216-065-00 | METAL CHIP 4.7K 5% 1/10W | |
| R22 | 1-247-535-11 | CARBON 8.2K 5% 1/4W | | R110 | △ 1-249-405-11 | CARBON 100 5% 1/4W F | |
| R23 | 1-216-049-00 | METAL CHIP 1K 5% 1/10W | | | | < VARIABLE RESISTOR > | |
| R24 | 1-216-085-00 | METAL CHIP 33K 5% 1/10W | | RV21 | 1-238-015-11 | RES. ADJ. CARBON 4.7K (FM SEP) | |
| R25 | 1-216-071-00 | METAL CHIP 8.2K 5% 1/10W | | RV24 | 1-238-017-11 | RES. ADJ. CARBON 22K (FM TUNING) | |
| R27 | 1-247-543-11 | CARBON 18K 5% 1/4W | | | | < TRANSFORMER > | |
| R28 | 1-247-719-11 | CARBON 3.3K 5% 1/4W | | T21 | 1-404-807-11 | TRANSFORMER, DISCRIMINATOR (PRIMARY) | |
| R29 | 1-216-073-00 | METAL CHIP 10K 5% 1/10W | | | | < TERMINAL > | |
| R31 | 1-216-041-00 | METAL CHIP 470 5% 1/10W | | TM1 | * 1-537-264-11 | TERMINAL BOARD (ANTENNA) | |
| R32 | 1-216-073-00 | METAL CHIP 10K 5% 1/10W | | | | < TEST PIN > | |
| R33 | 1-216-073-00 | METAL CHIP 10K 5% 1/10W | | TP1 | * 1-560-060-00 | PIN, CONNECTOR 2P | |
| R35 | 1-216-089-00 | METAL CHIP 47K 5% 1/10W | | | | < CRYSTAL > | |
| R37 | 1-216-109-00 | METAL CHIP 330K 5% 1/10W | | XT81 | 1-577-126-11 | VIBRATOR, CRYSTAL 7.2MHz | |
| R39 | 1-216-057-00 | METAL CHIP 2.2K 5% 1/10W | | | | | |
| R40 | 1-216-055-00 | METAL CHIP 1.8K 5% 1/10W | | | | | |
| R41 | 1-216-067-00 | METAL CHIP 5.6K 5% 1/10W | | | | | |
| R42 | 1-216-109-00 | METAL CHIP 330K 5% 1/10W | | | | | |
| R44 | 1-216-057-00 | METAL CHIP 2.2K 5% 1/10W | | | | | |
| R45 | 1-216-055-00 | METAL CHIP 1.8K 5% 1/10W | | | | | |
| R46 | 1-216-067-00 | METAL CHIP 5.6K 5% 1/10W | | | | | |
| R47 | △ 1-249-409-11 | CARBON 220 5% 1/4W F | | | | | |
| R61 | 1-216-097-00 | METAL CHIP 100K 5% 1/10W | | | | | |
| R62 | 1-216-089-00 | METAL CHIP 47K 5% 1/10W | | | | | |
| R63 | 1-216-009-00 | METAL CHIP 22 5% 1/10W | | | | | |

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| Ref. No. | Part No. | Description | Remark |
|----------|----------------|---|--------|
| | | MISCELLANEOUS ***** | |
| 13 | * 1-590-769-11 | WIRE, FLAT TYPE (7 CORE) | |
| 14 | * 1-590-499-11 | WIRE, FLAT TYPE (23 CORE) | |
| 15 | * 1-590-770-11 | WIRE, FLAT TYPE (11 CORE) | |
| 65 | △ 1-551-478-00 | CORD, POWER | |
| F901 | △ 1-576-107-11 | FUSE GLASS TUBE (3.15A 125V) | |
| F902 | △ 1-576-109-11 | FUSE GLASS TUBE (5A 125V) | |
| T901 | △ 1-450-365-11 | TRANSFORMER, POWER (AV370X/AV270X/AV23) | |
| T901 | △ 1-450-362-11 | TRANSFORMER, POWER (AV570X) | |

ACCESSORY & PACKING MATERIAL

- 1-465-423-11 REMOTE COMMANDER (RM-S103)
(AV570X/AV370X/AV23)
- 1-501-374-11 ANTENNA, LOOP
- 2-181-754-01 COVER, BATTERY (for RM-S103)
- 3-753-021-21 MANUAL, INSTRUCTION (ENGLISH)
(AV570X/AV270X) (US)
- 3-753-021-31 MANUAL, INSTRUCTION (ENGLISH, FRENCH)
(AV570X/AV370X) (Canadian)
- 3-753-022-21 MANUAL, INSTRUCTION (ENGLISH) (AV23) (US)
- * 4-943-615-01 CUSHION
- * 4-943-616-01 INDIVIDUAL CARTON (AV570X)
- * 4-943-617-01 INDIVIDUAL CARTON (AV270X)
- * 4-943-618-01 INDIVIDUAL CARTON (AV23)
- * 4-943-647-01 INDIVIDUAL CARTON (AV370X)

HARDWARE LIST

- # 1 7-682-547-04 SCREW +BVTT 3X6 (S)
- # 2 7-682-548-04 SCREW +BVTT 3X8 (S)
- # 3 7-682-560-04 SCREW +BVTT 4X6 (S)
- # 4 7-685-650-79 SCREW +BVTP 3X16 TYPE2 IT-3
- # 5 7-685-647-79 SCREW +BTP 3X10 TYPE2 N-S
- # 6 7-682-547-09 SCREW +BVTT 3X6 (S)

| | |
|--|--|
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|--|--|

STR-AV23/AV270X/AV370X/AV570X




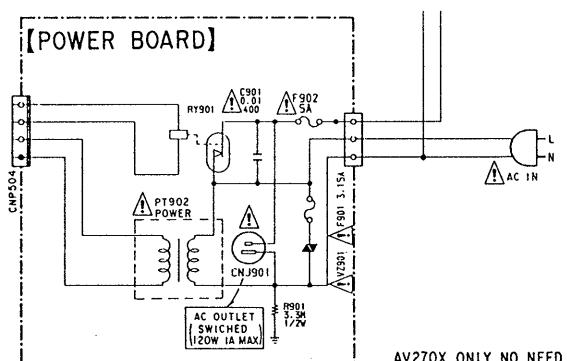
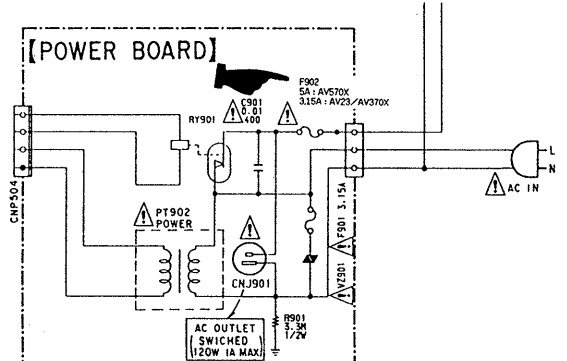
SONY SERVICE MANUAL

US Model
STR-AV23/AV270X/AV570X
Canadian Model
STR-AV370X/AV570X

CORRECTION-1

Correct your service manual as shown below.

 : Indicates corrected portion

| Page | Incorrect | Correct | | | | | | | | | | | | |
|--------------|--|---|----------|-------------|------|--------------|---------------------------|---|----------|-------------|--------------|---|--------------|---|
| 35 | <table border="1"> <thead> <tr> <th>No.</th> <th>Part No.</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>F902</td> <td>1-576-109-11</td> <td>FUSE GLASS TUBE (5A 125V)</td> </tr> </tbody> </table> | No. | Part No. | Description | F902 | 1-576-109-11 | FUSE GLASS TUBE (5A 125V) | <table border="1"> <thead> <tr> <th>Part No.</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1-576-107-11</td> <td>FUSE GLASS TUBE (3.15A 125V) (AV23/AV270X /AV370X)</td> </tr> <tr> <td>1-576-109-11</td> <td>FUSE GLASS TUBE (5A 125V) (AV570X) </td> </tr> </tbody> </table> | Part No. | Description | 1-576-107-11 | FUSE GLASS TUBE (3.15A 125V) (AV23/AV270X /AV370X) | 1-576-109-11 | FUSE GLASS TUBE (5A 125V) (AV570X)  |
| No. | Part No. | Description | | | | | | | | | | | | |
| F902 | 1-576-109-11 | FUSE GLASS TUBE (5A 125V) | | | | | | | | | | | | |
| Part No. | Description | | | | | | | | | | | | | |
| 1-576-107-11 | FUSE GLASS TUBE (3.15A 125V) (AV23/AV270X /AV370X) | | | | | | | | | | | | | |
| 1-576-109-11 | FUSE GLASS TUBE (5A 125V) (AV570X)  | | | | | | | | | | | | | |
| 18 |  <p>AV270X ONLY NO NEED</p> |  <p>AV270X ONLY NO NEED</p> | | | | | | | | | | | | |