STR-DH730/DH830

SERVICE MANUAL

Ver. 1.1 2012.06



US Model STR-DH830 Canadian Model AEP Model Australian Model Mexican Model STR-DH730

Photo: STR-DH830

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SPECIFICATIONS

AUDIO POWER SPECIFICATIONS POWER OUTPUT AND TOTAL HARMONIC

DISTORTION:

(US model only)

With 8 ohm loads, both channels driven, from 20 - 20,000 Hz; rated 95 watts per channel minimum RMS power, with no more than 0.09% total harmonic distortion from 250

Amplifier section

US model1)

Minimum RMS Output Power (8 ohms, 20 Hz - 20 kHz, THD 0.09%) 95 W + 95 W

Stereo Mode Output Power (8 ohms, 1 kHz, THD 1%)

105 W + 105 W

Surround Mode Output Power2)

(8 ohms, 1 kHz, THD 10%) 140 W per channel

CND, ECE, MX and AUS models1)

Minimum RMS Output Power (8 ohms, 20 Hz - 20 kHz, THD 0.09%)

85 W + 85 W

Stereo Mode Output Power (8 ohms, 1 kHz, THD 1%)

105 W + 105 W Surround Mode Output Power2)

(8 ohms, 1 kHz, THD 10%)

140 W per channel

1) Measured under the following conditions

Area	Power requirements	
US, CND	120 V AC, 60 Hz	
MX	127 V AC, 60 Hz	
ECE, AUS	230 V AC, 50 Hz	

2) Reference power output for front, center, surround, surround back and front high speakers. Depending on the sound field settings and the source, there may be no sound output.

Frequency response

Analog 10 Hz - 70 kHz,

+0.5/-2 dB (with sound field and equalizer bypassed)

Input

Analog Sensitivity: 500 mV/ 50 kilohms

S/N3): 96 dB (A, 500 mV4) Impedance: 75 ohms

S/N: 100 dB

(A, 20 kHz LPF) S/N: 100 dB

Digital (Optical) (A, 20 kHz LPF)

Output (Analog)

Digital (Coaxial)

AUDIO OUT Voltage: 500 mV/

1 kilohm

Voltage: 2 V/1 kilohm

SUBWOOFER Equalizer

Gain levels ±6 dB, 1 dB step

3) INPUT SHORT (with sound field and equalizer bypassed).

4) Weighted network, input level.

- Continued on next page -

MULTI CHANNEL AV RECEIVER

SONY

9-890-592-02

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SECTION 6 EXPLODED VIEWS

Note:

- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service.

Some delay should be anticipated when ordering these items.

Abbreviation

AUS : Australian model CND : Canadian model

ECE : Continental European, East

European and Russian models

MX : Mexican model

- The mechanical parts with no reference number in the exploded views are not supplied.
- Color Indication of Appearance Parts Example:

Accessories are given in the last of the electrical parts list.

The components identified by mark \triangle or dotted line with mark \triangle are critical for safety.

Replace only with part number specified.

Les composants identifiés par une marque \triangle sont critiques pour la sécurité.

Ne les remplacer que par une pièce portant le numéro spécifié.

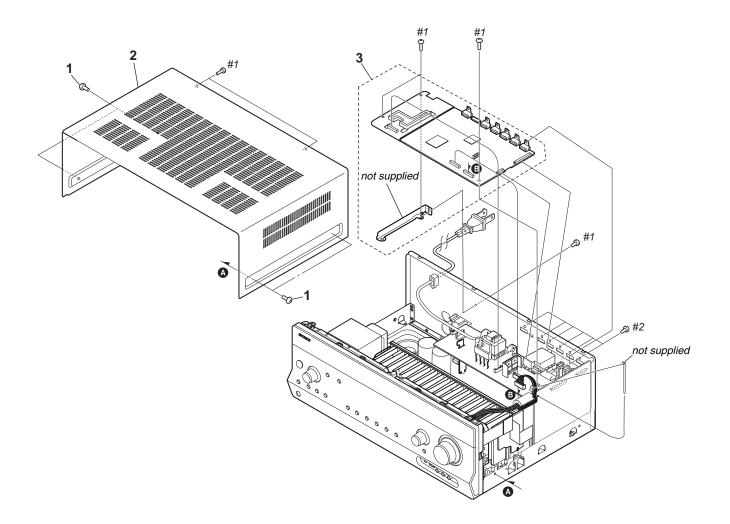
The components identified by mark $\stackrel{\cap}{}$ contain confidential information.

Strictly follow the instructions whenever the components are repaired and/or replaced.

Les composants identifiés par la marque di contiennent des informations confidenti-

Suivre scrupuleusement les instructions chaque fois qu'un composant est remplacé et / ou réparé.

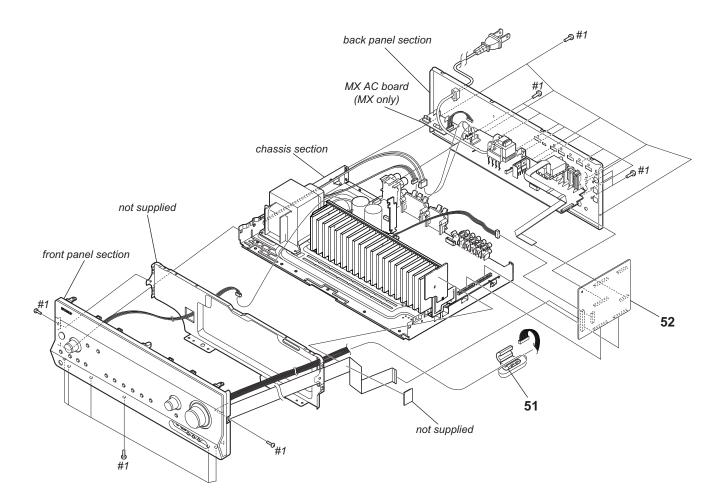
6-1. CASE SECTION



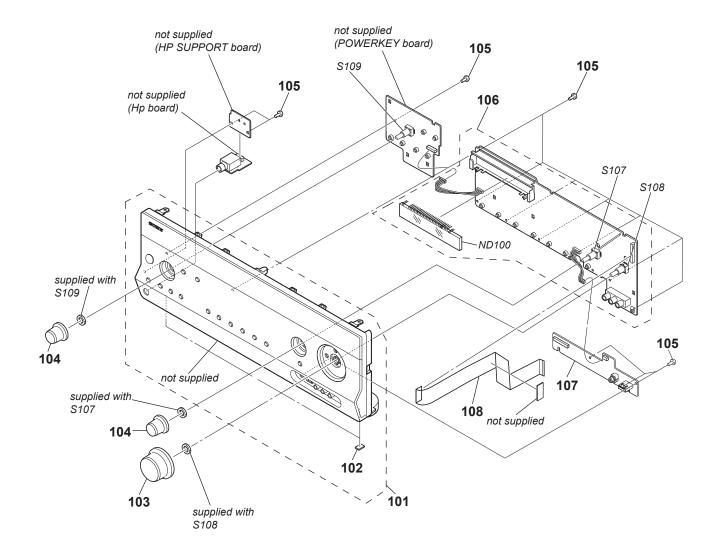
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6-2. DIGITAL BOARD



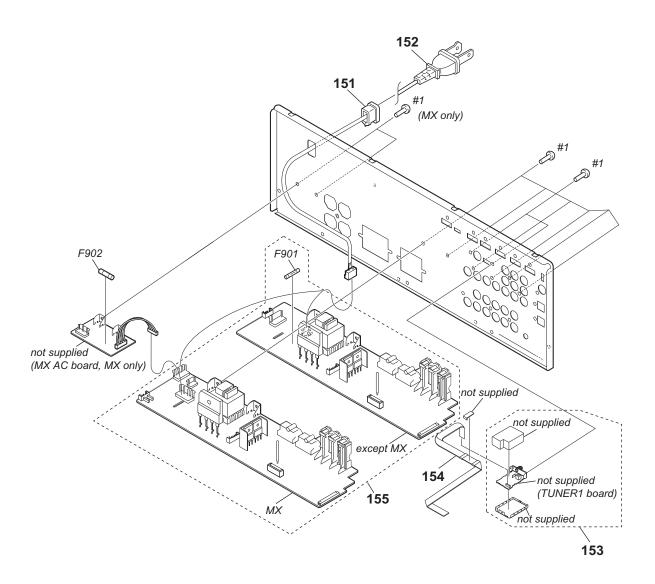
6-3. FRONT PANEL SECTION



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6-4. BACK PANEL SECTION



6-5. CHASSIS SECTION

