

STR-DH730/DH830

SERVICE MANUAL

Ver. 1.1 2012.06



Photo: STR-DH830

US Model
STR-DH830

Canadian Model

AEP Model

Australian Model

Mexican Model

STR-DH730

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iPod iPhone

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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 milliwatts to rated output.

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⁾)
Digital (Coaxial)
Impedance: 75 ohms
S/N: 100 dB
(A, 20 kHz LPF)
Digital (Optical)
S/N: 100 dB
(A, 20 kHz LPF)

Output (Analog)

AUDIO OUT
Voltage: 500 mV/
1 kilohm
SUBWOOFER
Voltage: 2 V/1 kilohm

Equalizer

Gain levels
±6 dB, 1 dB step

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

⁴⁾ Weighted network, input level.

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MULTI CHANNEL AV RECEIVER

SONY®

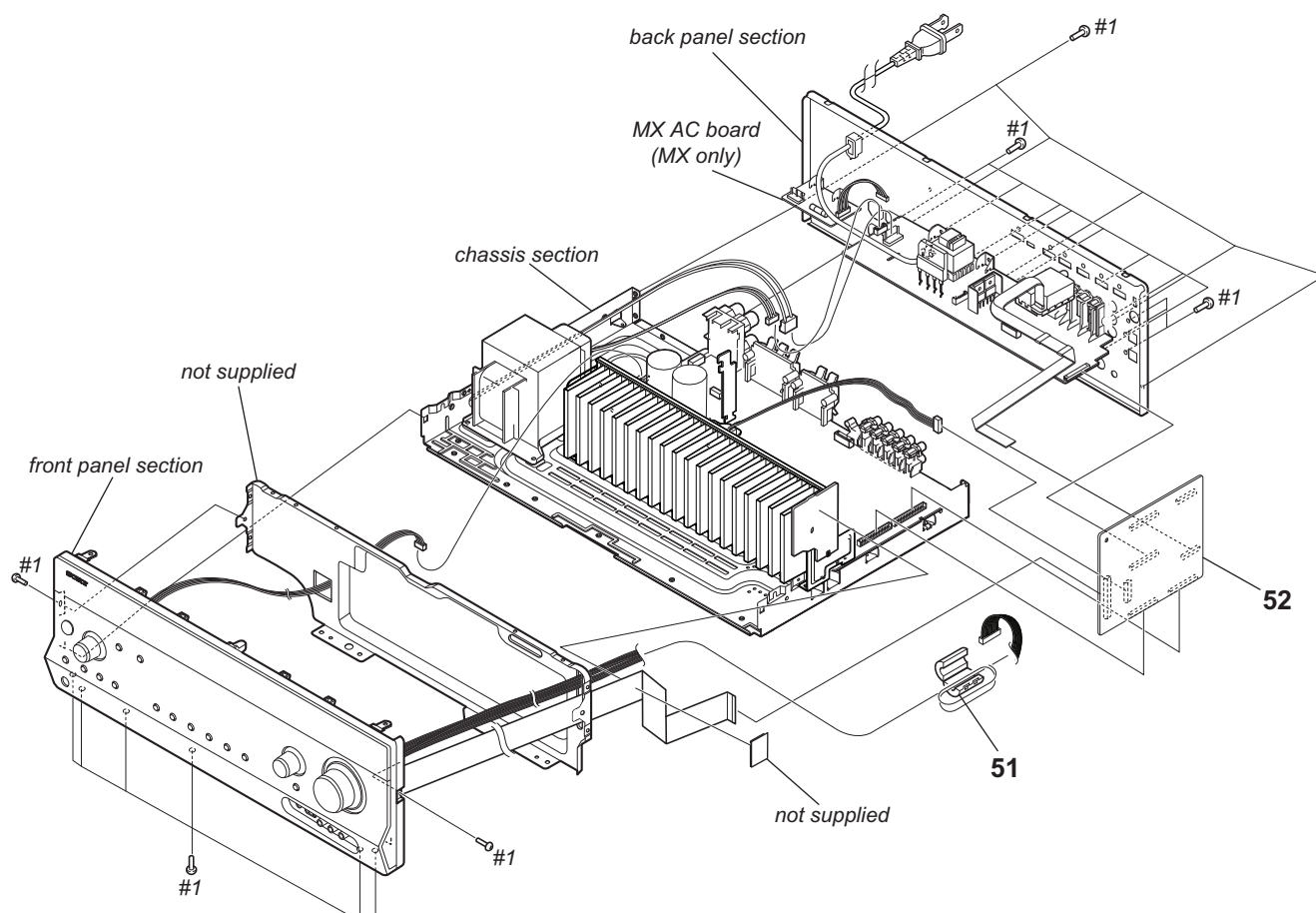
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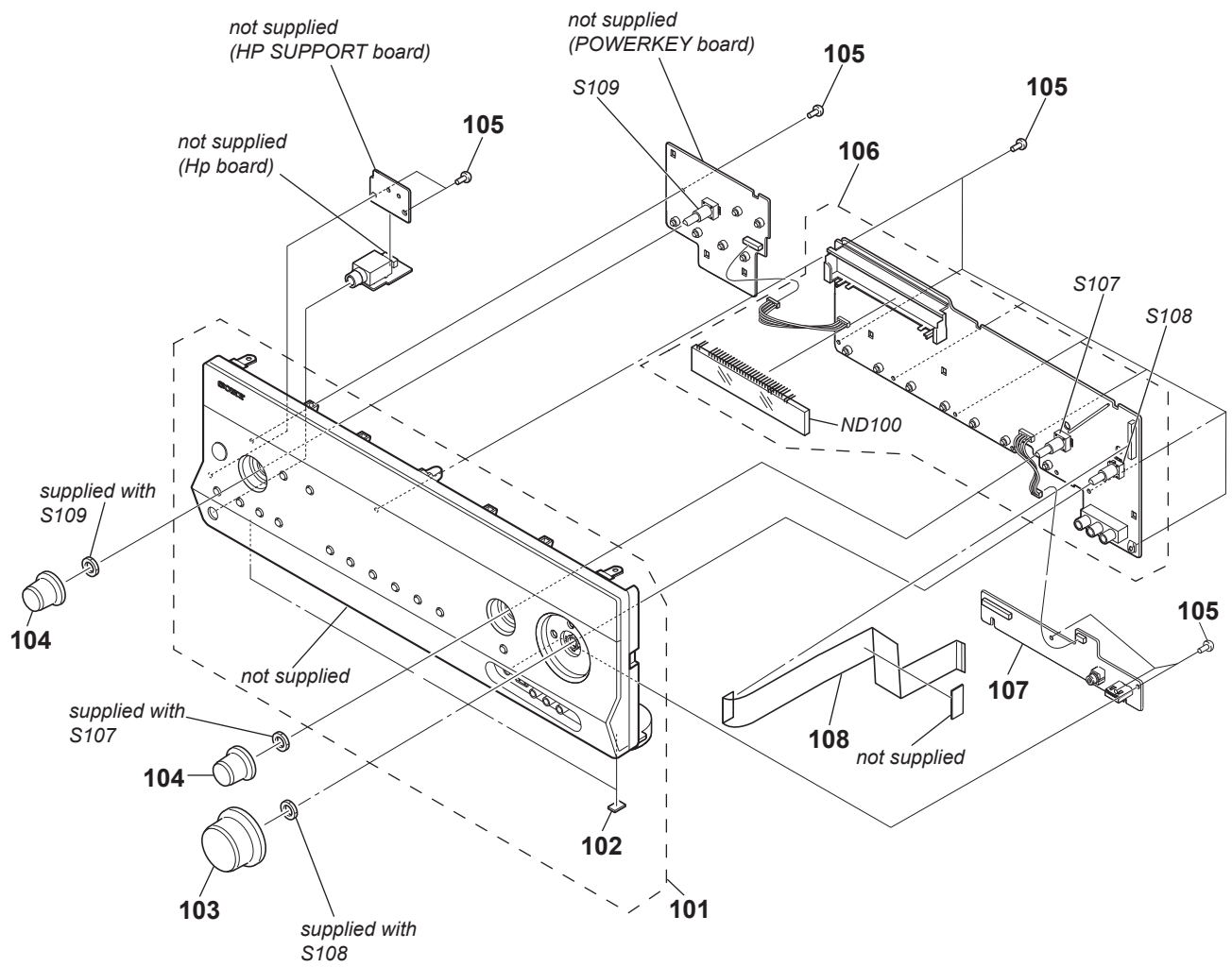
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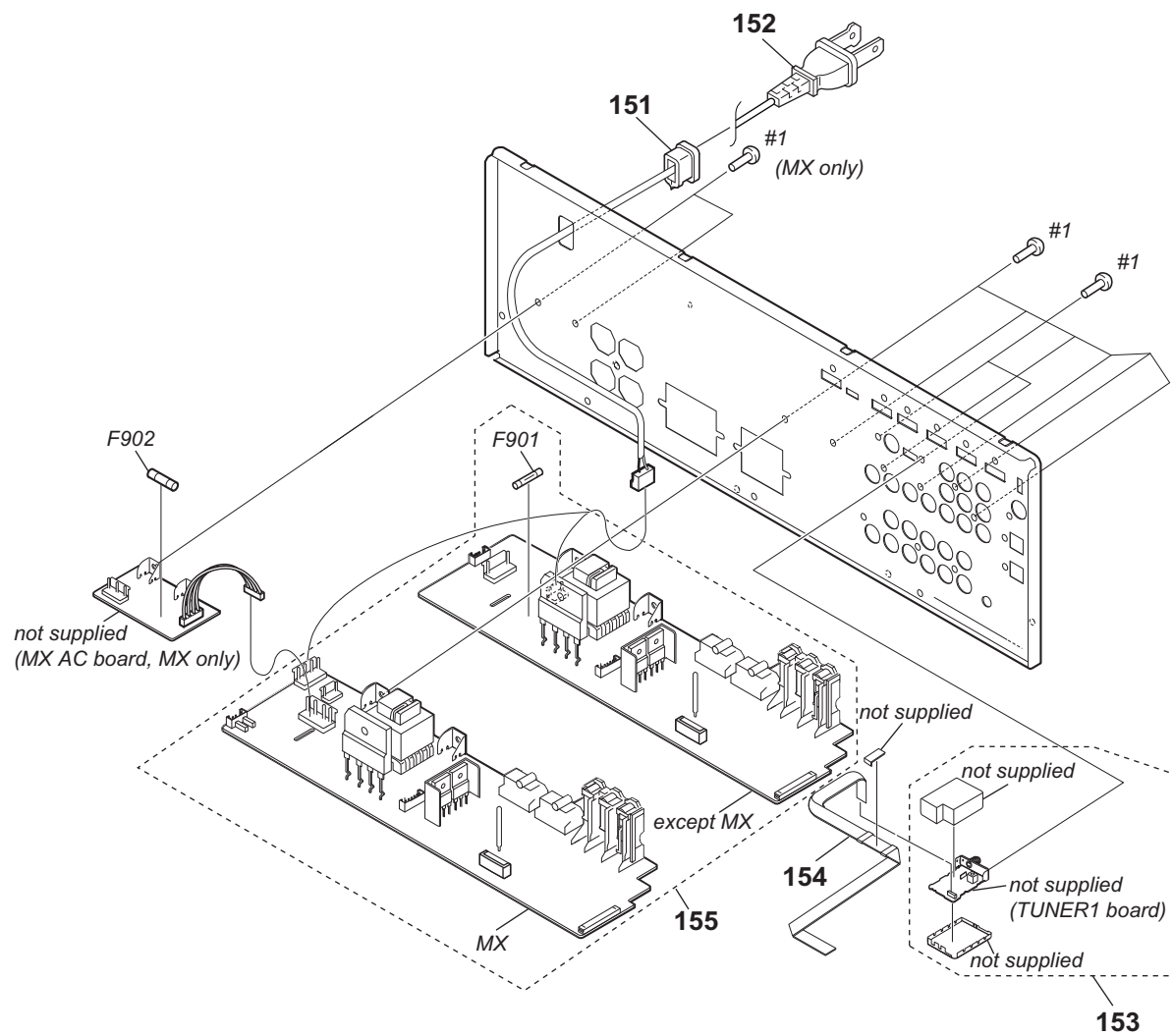
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Published by Sony EMCS (Malaysia) PG Tec

6-2. DIGITAL BOARD

6-3. FRONT PANEL SECTION

6-4. BACK PANEL SECTION

6-5. CHASSIS SECTION

