

HBD-E380/E580/E880/ E980/T58

SERVICE MANUAL

Ver. 1.3 2011.09



Photo: HBD-E880

- HBD-E380 is the amplifier, video, HDMI, BD/DVD/Super Audio CD/CD system, USB, LAN and FM tuner section in BDV-E380.
- HBD-E580 is the amplifier, video, HDMI, BD/DVD/Super Audio CD/CD system, USB, LAN, wireless LAN and FM tuner section in BDV-E580.
- HBD-E880 is the amplifier, video, HDMI, BD/DVD/Super Audio CD/CD system, USB, LAN and FM tuner section in BDV-E880.
- HBD-E980 is the amplifier, video, HDMI, BD/DVD/Super Audio CD/CD system, USB, LAN and FM tuner section in BDV-E980.
- HBD-T58 is the amplifier, video, HDMI, BD/DVD/Super Audio CD/CD system, USB, LAN, wireless LAN and FM tuner section in BDV-T58.

US Model
HBD-E580/T58

Canadian Model
Australian Model

Saudi Arabia Model
HBD-E880

AEP Model
UK Model

Singapore Model
Taiwan Model
HBD-E380/E880

Chinese Model
HBD-E980

Russian Model
Mexican Model

Indian Model
HBD-E880/E980

Thai Model
HBD-E380

Model Name Using Similar Mechanism	BDP-S380
Mechanism Type	BPX-6
Optical Pick-up Block Name	KEM-470AAA

SPECIFICATIONS

Amplifier Section

U.S. models:

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC

DISTORTION:

(FTC)

Front L + Front R:

With 3 ohms loads, both channels driven, from 180 - 20,000 Hz, rated 60 watts per channel minimum RMS power, with no more than 1% total harmonic distortion from 250 milli watts to rated output.

Other models:

POWER OUTPUT (rated)

Front L/Front R:

108 W + 108 W (at 3 ohms, 1 kHz, 1% THD)

POWER OUTPUT (reference)

Front L/Front R/Center/Surround L/Surround R:

167 W (per channel at

3 ohms, 1 kHz)

165 W (at 3 ohms, 80 Hz)

Subwoofer:

Inputs (Analog)

AUDIO (AUDIO IN)

MIC1/MIC2

Sensitivity: 450/250 mV

Sensitivity: 1 mV (Russian model)

Inputs (Digital)

SAT/CABLE (COAXIAL)

TV (Audio Return Channel/OPTICAL)

Supported formats: LPCM 2CH (up to 48 kHz), Dolby Digital, DTS

HDMI (IN 1)/HDMI (IN 2)

Supported formats: LPCM 2CH (up to 96 kHz), Dolby Digital, DTS

Video Section

Outputs

VIDEO: 1 Vp-p 75 ohms
COMPONENT*:
Y: 1 Vp-p 75 ohms
Pb, Pr: 0.7 Vp-p
75 ohms

* For non-European models only.

HDMI Section

Connector

Type A (19pin)

BD/DVD/Super Audio CD/CD System

Signal format system

U.S. and Canada models:

NTSC

Other models:

NTSC/PAL

USB Section

⚡ (USB) port:

Type A (For connecting USB memory, memory card reader, digital still camera, and digital video camera)

LAN Section

LAN (100) terminal

100BASE-TX Terminal

Wireless LAN Section (HBD-E580/HBD-T58)

Standards Compliance

IEEE 802.11 b/g/n

Frequency and Channel

2.4 GHz - 2.4835 GHz
[CH1 -11]

FM Tuner Section

System

PLL quartz-locked digital synthesizer

Tuning range

U.S. and Canada models:

87.5 MHz - 108.0 MHz
(100 kHz step)

Other models:

87.5 MHz - 108.0 MHz (50 kHz step)

Antenna (aerial)

FM wire antenna (aerial)

Antenna (aerial) terminals

75 ohms, unbalanced

General

Power requirements

U.S. and Canada models:

120 V AC, 60 Hz

Mexican model:

110 V - 240 V AC, 50/60 Hz

Taiwan model:

120 V AC, 50/60 Hz

Other model:

220 V - 240 V AC,
50/60 Hz

Power consumption

HBD-E580/HBD-T58

On: 170 W

Standby: 0.3 W (at the

Power Saving mode)

HBD-E380/E880/E980

On: 165 W

Standby: 0.3 W (at the

Power Saving mode)

Dimensions (approx.)

430 mm × 75 mm × 320 mm (17 in × 3 in × 12 5/8 in) (w/h/d) incl. projecting parts

Mass (approx.)

4.1 kg (9 lb 1 oz)

Design and specifications are subject to change without notice.

• Standby power consumption 0.3W.

• Over 85% power efficiency of amplifier block is achieved with the full digital amplifier, S-Master.

BLU-RAY DISC/DVD RECEIVER

SONY®

9-893-105-04

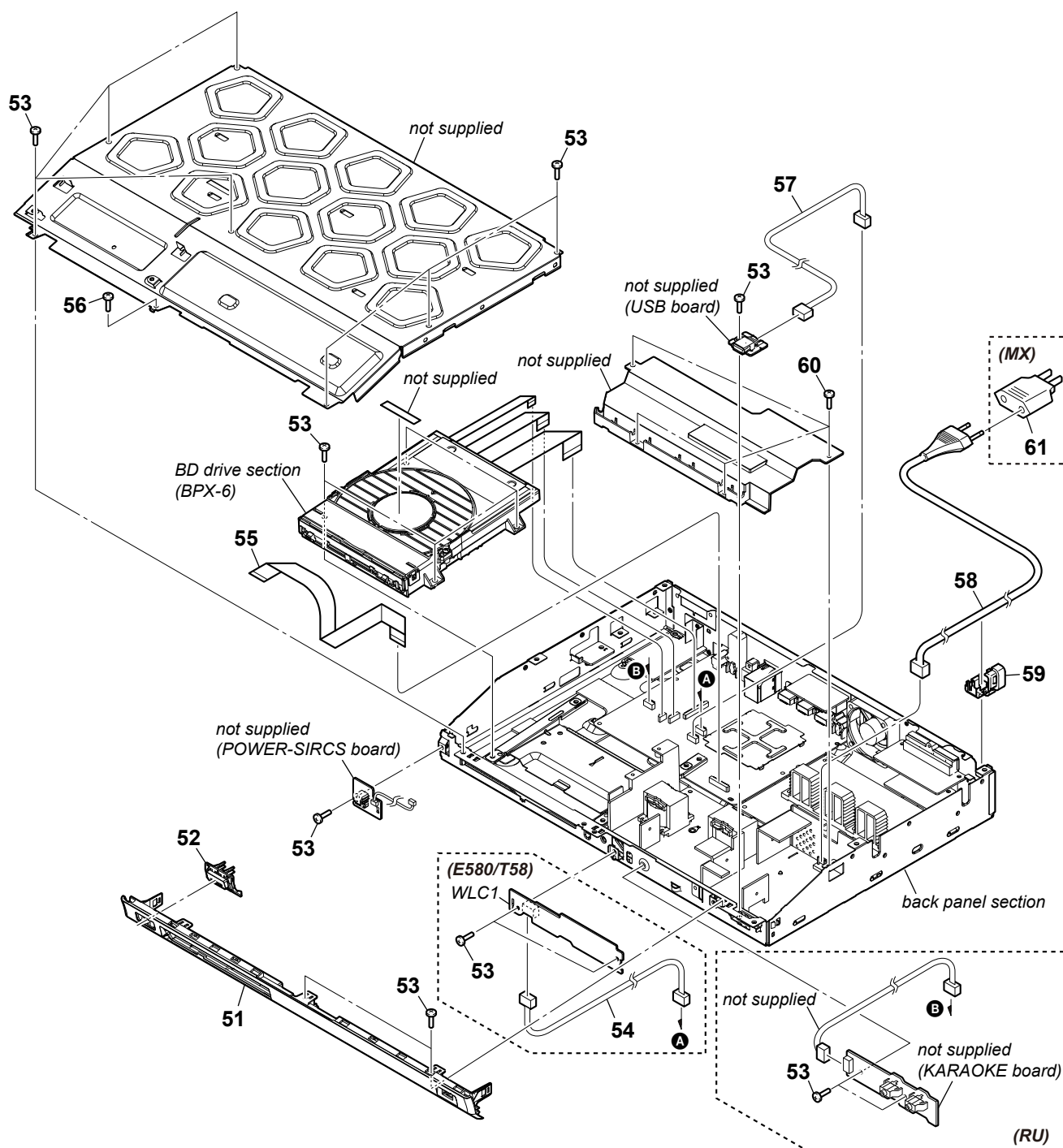
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Sony Corporation

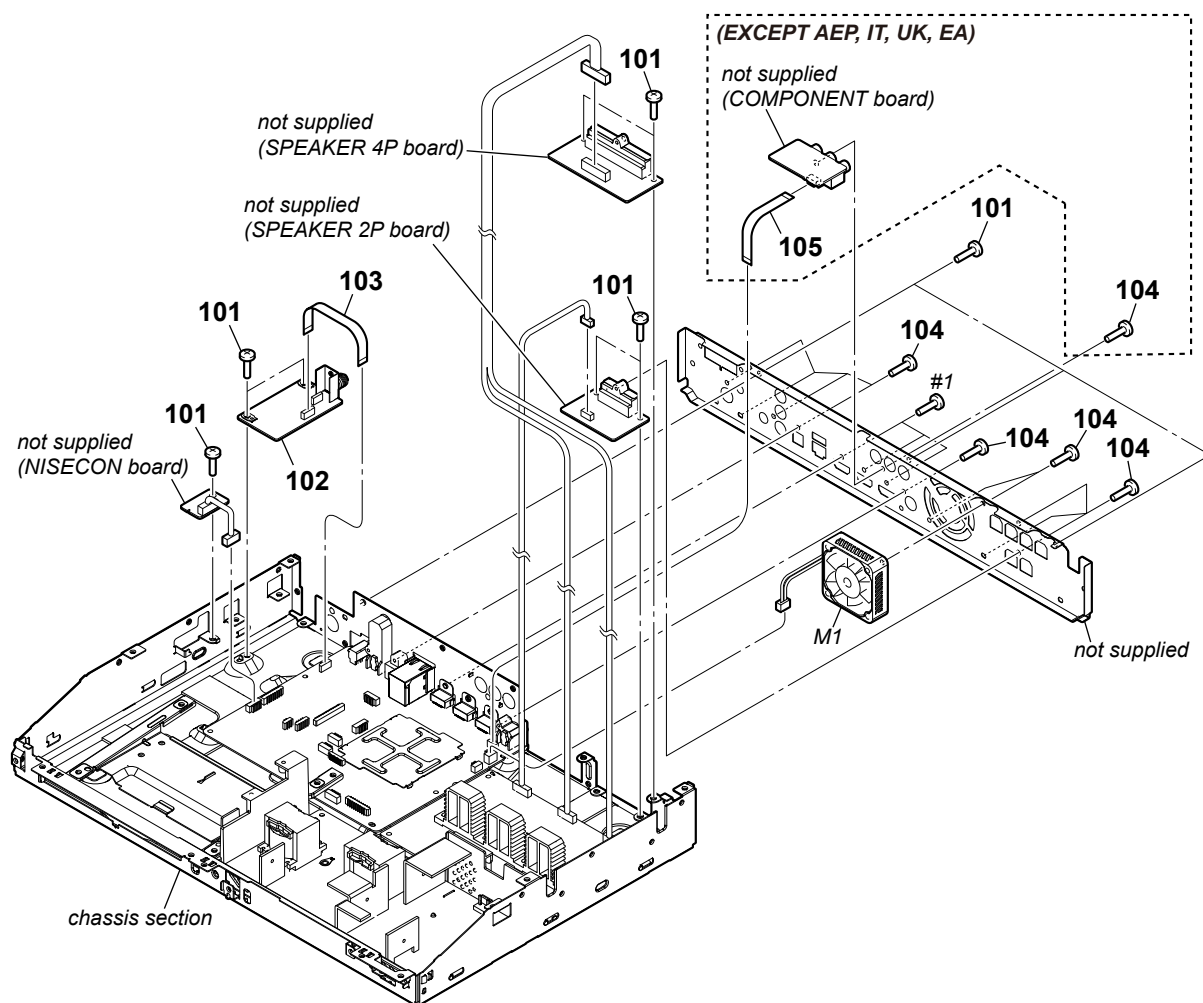
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6-2. FRONT PANEL SECTION

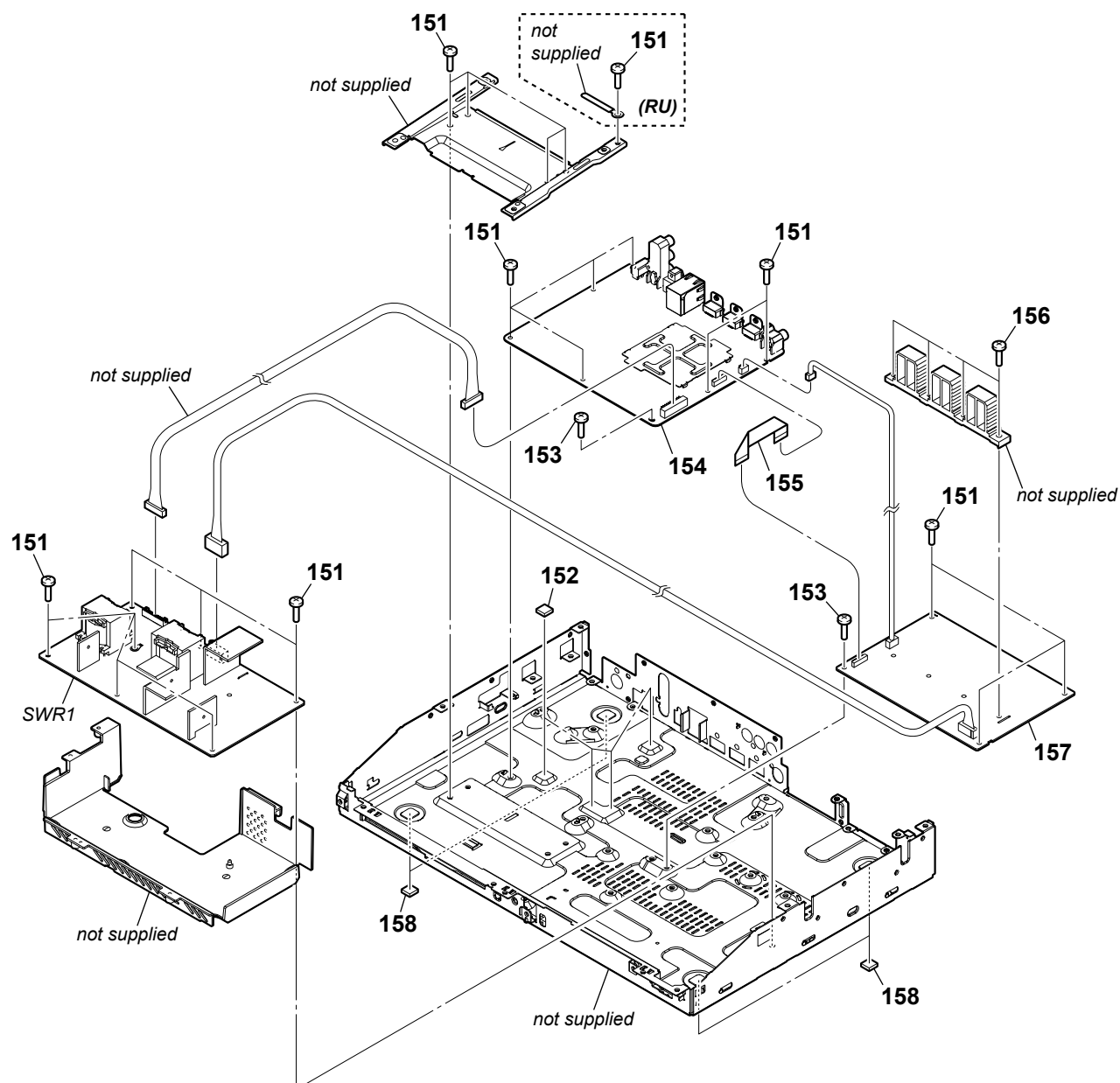


Note 1: When replacing the wireless LAN card (WLC1), refer to "CHECKING METHOD OF NETWORK OPERATION" (page 9).

Note 2: Wires (flat type) for service is all straight. Please bend it referring go "HOW TO BEND FFC" on page 11 when you install it in the unit.

6-3. BACK PANEL SECTION

6-4. CHASSIS SECTION



Note: Wires (flat type) for service is all straight.
Please bend it referring go "HOW TO BEND FFC"
on page 11 when you install it in the unit.

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6-5. BD DRIVE SECTION (BPX-6)

