

SERVICE MANUAL

Ver. 1.2 2015.01

- All of the units included in the HT-GT1 (SA-WGT1/SS-GT1) are required to confirming operation of SA-WGT1. Check in advance that you have all of the units.

Note:

Be sure to keep your PC used for service and checking of this unit always updated with the latest version of your anti-virus software. In case a virus affected unit was found during service, contact your Service Headquarters.



US Model
AEP Model
UK Model
E Model
Australian Model

COMPONENT MODEL NAME

	HT-GT1
Bar Speaker (Speaker System)	SS-GT1
Subwoofer (Active Subwoofer)	SA-WGT1

- Please refer to service manual separately issued for Bar Speaker.

NZNEEDAMAR - Thu, 14 May 2026 23:08:14 GMT

SPECIFICATIONS

Amplifier section

U.S. model:
POWER OUTPUT AND TOTAL
HARMONIC DISTORTION (FTC output
power):

Front L/Front R:
With 3 ohms loads, both channels
driven, from 400 - 10,000 Hz;
rated 32 watts per channel
minimum RMS power, with no
more than 1.0% total harmonic
distortion from 250 milliwatts to
rated output.

Output power (reference):

Front L/Front R:
40 W + 40 W (per channel at 3
ohms, 1 kHz)
Subwoofer:
180 W (at 4 ohms, 100 Hz)

Brazilian model:

Total RMS output power:

200 W
Front L/Front R:
RMS output power:
80 W (40 W per channel x 2, at
3 ohms, 1 kHz, 10% THD*)

Subwoofer:

RMS output power:
120 W (at 4 ohms, 100 Hz, 10%
THD*)

Other models:

Power output (rated):

Front L/Front R:
32 W + 32 W (at 3 ohms, 1 kHz, 1%
THD*)

Power output (reference):

Front L/Front R:
40 W + 40 W (per channel at
3 ohms, 1 kHz)
Subwoofer:
180 W (at 4 ohms, 100 Hz)

* Total Harmonic Distortion

Speaker section

Speaker system:

Subwoofer, Bass reflex

Speaker unit:

180 mm (7 1/8 in), cone type
Rated impedance:
4 ohms

Inputs

AUDIO IN/PARTY CHAIN IN L/R:

Voltage 0.8 V, impedance
47 kilohms

OPT IN:

Supported audio signal:
2-channel Linear PCM

Outputs

AUDIO OUT/PARTY CHAIN OUT L/R:

Voltage 2 V, impedance 1 kilohm

Tuner section

FM stereo, FM superheterodyne tuner

Antenna:

FM lead antenna

Tuning range:

USA and Brazilian models:
87.5 MHz - 108.0 MHz (100 kHz
step)
Other models:
87.5 MHz - 108.0 MHz (50 kHz
step)

BLUETOOTH section

Communication system:

BLUETOOTH Standard version 3.0

Output:

BLUETOOTH Standard Power
Class 2
Maximum communication range:
Line of sight approx. 10 m
(33 feet)¹⁾

Frequency band:

2.4 GHz band (2.4000 GHz -
2.4835 GHz)

Modulation method:

FHSS (Freq Hopping Spread
Spectrum)

Compatible BLUETOOTH profiles²⁾:

A2DP (Advanced Audio
Distribution Profile)
AVRCP 1.3 (Audio Video Remote
Control Profile)

Supported codecs:

SBC (Sub Band Codec)
AAC (Advanced Audio Coding)
1) The actual range will vary depending

on factors such as obstacles between
devices, magnetic fields around a
microwave oven, static electricity,
reception sensitivity, antenna's
performance, operating system,
software application, etc.

2) BLUETOOTH standard profiles
indicate the purpose of BLUETOOTH
communication between devices.

USB section

Supported format:

MP3 (MPEG 1 Audio Layer-3):
32 kbps - 320 kbps, VBR
WMA:
48 kbps - 192 kbps
AAC:
48 kbps - 320 kbps
WAV:
16 bit PCM

Sampling frequencies:

MP3 (MPEG 1 Audio Layer-3):
32 kHz/44.1 kHz/48 kHz
WMA:
32 kHz/44.1 kHz/48 kHz
AAC:
32 kHz/44.1 kHz/48 kHz
WAV:
8 kHz - 48 kHz

Supported USB device:

Mass Storage Class

Maximum current:

1 A

⚡ (USB) port:

Type A

General

Power requirements:

USA and Mexican models:
AC 120V/60 Hz
Latin American model (except for
Bolivian, Chilean, Argentine, and
Mexican models):
AC 110V - 240 V, 50/60 Hz
Saudi Arabian, African and Iranian
models:
AC 120V - 240 V, 50/60 Hz
Other models:
AC 220 V - 240 V, 50/60 Hz

Power consumption:

70 W

Power consumption (at the Power

Saving mode):

European model:
0.5 W (When BLUETOOTH standby
mode is set to off)

6 W (When BLUETOOTH standby
mode is set to on)

Other models:

0.5 W

Dimensions (W/H/D) (Approx.):

Active subwoofer:
290 mm x 420 mm x 275 mm
(11 3/8 in x 16 1/2 in x 10 7/8 in)

Speaker system:
800 mm x 110 mm x 102 mm
(31 1/2 in x 4 3/8 in x 4 in)

Mass (Approx.):

Active subwoofer:
7.1 kg (15 lb 10 1/2 oz)

Speaker system:
2.8 kg (6 lb 2 1/4 oz)

Quantity:

Active subwoofer:

1 piece

Speaker system:

1 piece

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SONY®

HT-GT1
SOUND BAR
SA-WGT1
ACTIVE SUBWOOFER

SECTION 7 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.

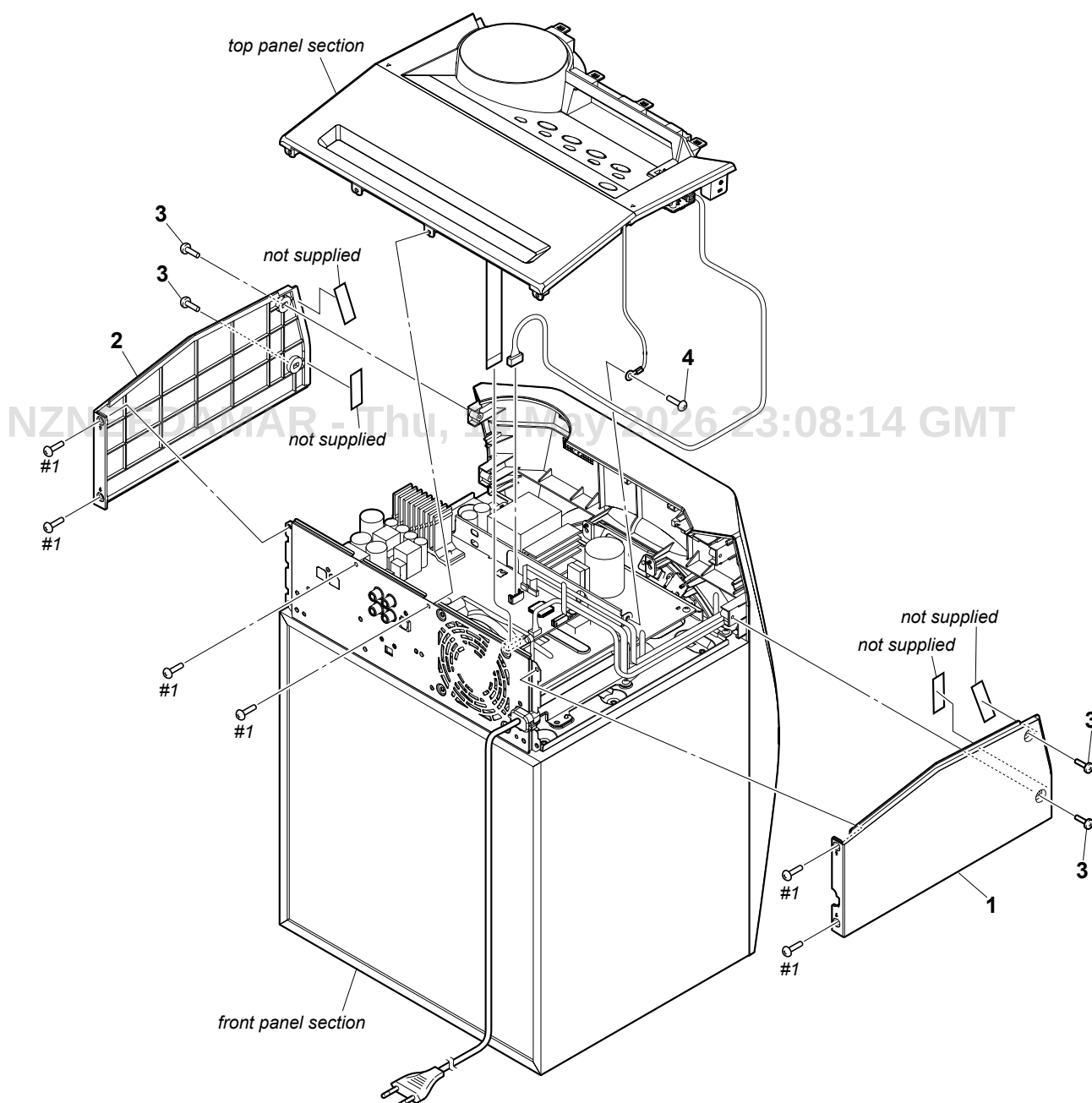
- The mechanical parts with no reference number in the exploded views are not supplied.
- Color Indication of Appearance Parts Example:
KNOB, BALANCE (WHITE) . . . (RED)

↑ ↑
Parts Color Cabinet's Color

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

7-1. SIDE PANEL SECTION

- Rear view



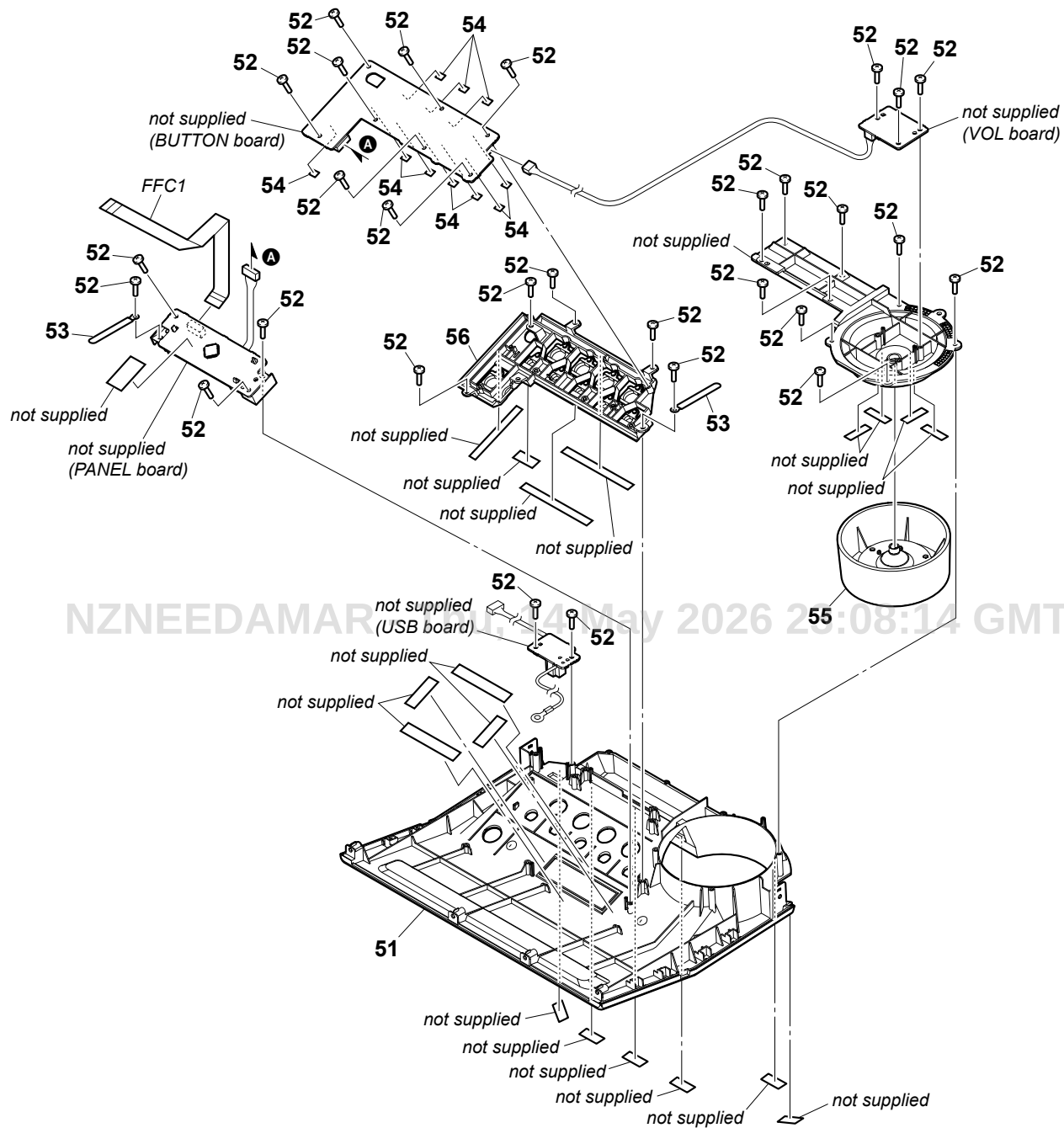
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	4-540-497-01	PANEL, SIDE L (for L-ch) (Except US)		3	4-546-397-01	SCREW, TAPPING (HEX)	
1	4-540-497-11	PANEL, SIDE L (for L-ch) (US)		4	3-077-331-71	+BV3 (3-CR)	
2	4-540-496-01	PANEL, SIDE R (for R-ch) (Except US)		#1	7-685-647-79	SCREW +BVTP 3X10 TYPE2 IT-3	
2	4-540-496-11	PANEL, SIDE R (for R-ch) (US)					

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7-2. TOP PANEL SECTION

- Rear bottom view

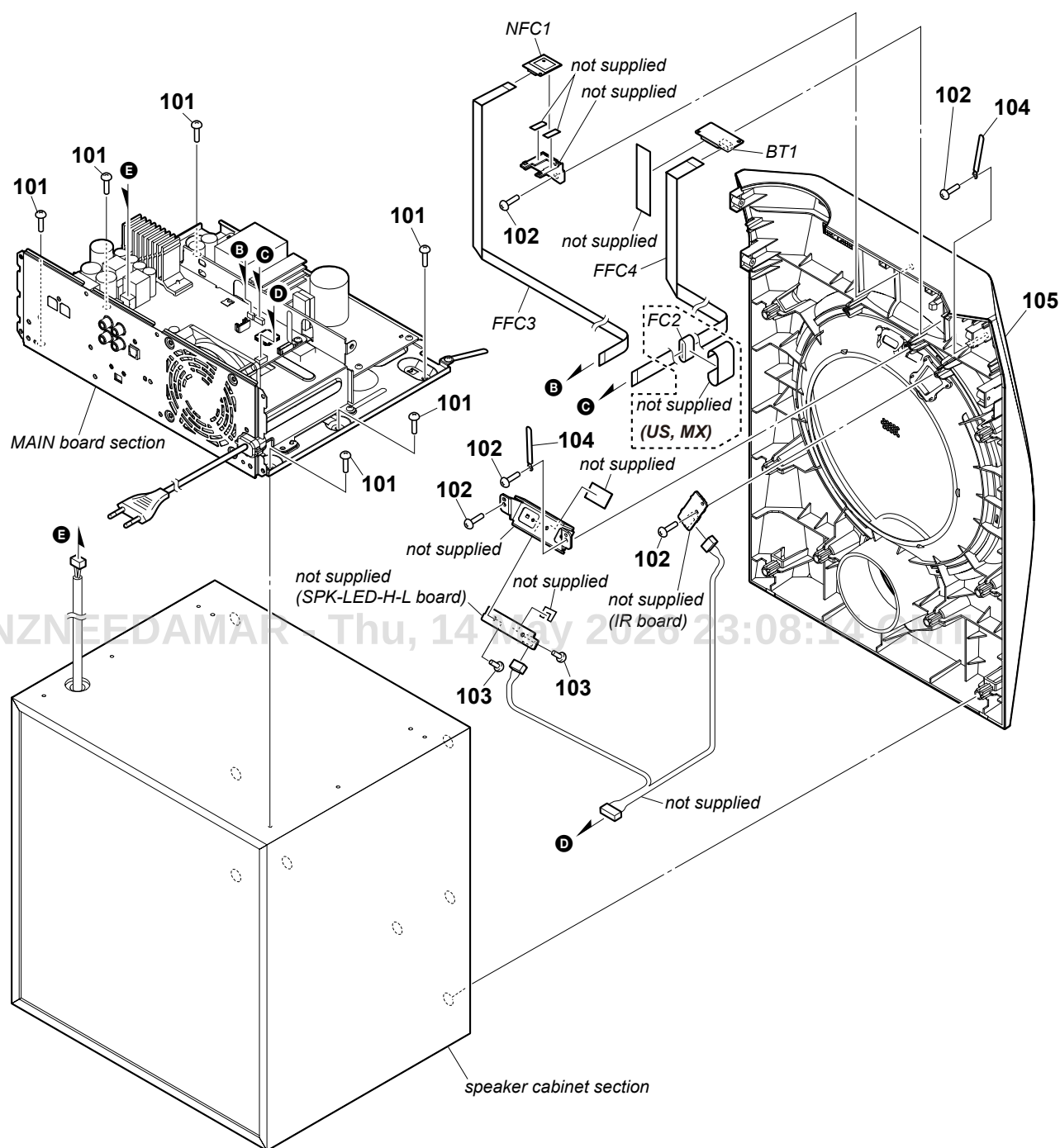


Note: As for SERVICE WIRE KIT, all flat flexible cables (Ref. No. FFC1, FFC2, FFC3, FFC4) will be 1 set.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	X-2590-103-1	TOP PANEL ASSY (Except US)		55	X-2590-094-1	KNOB ASSY	
51	X-2590-104-1	TOP PANEL ASSY (US)		56	X-2589-885-1	BUTTON ASSY (I/II, III, IV, V, VI)	
	3-087-053-01	+BVTP2.6 (3CR)		FFC1	9-885-197-79	SERVICE WIRE KIT (FFC 13P) (See Note)	
* 53	3-703-150-11	CLAMP					
54	4-420-209-01	SHEET, SWITCH					

7-3. FRONT PANEL SECTION

- Rear view

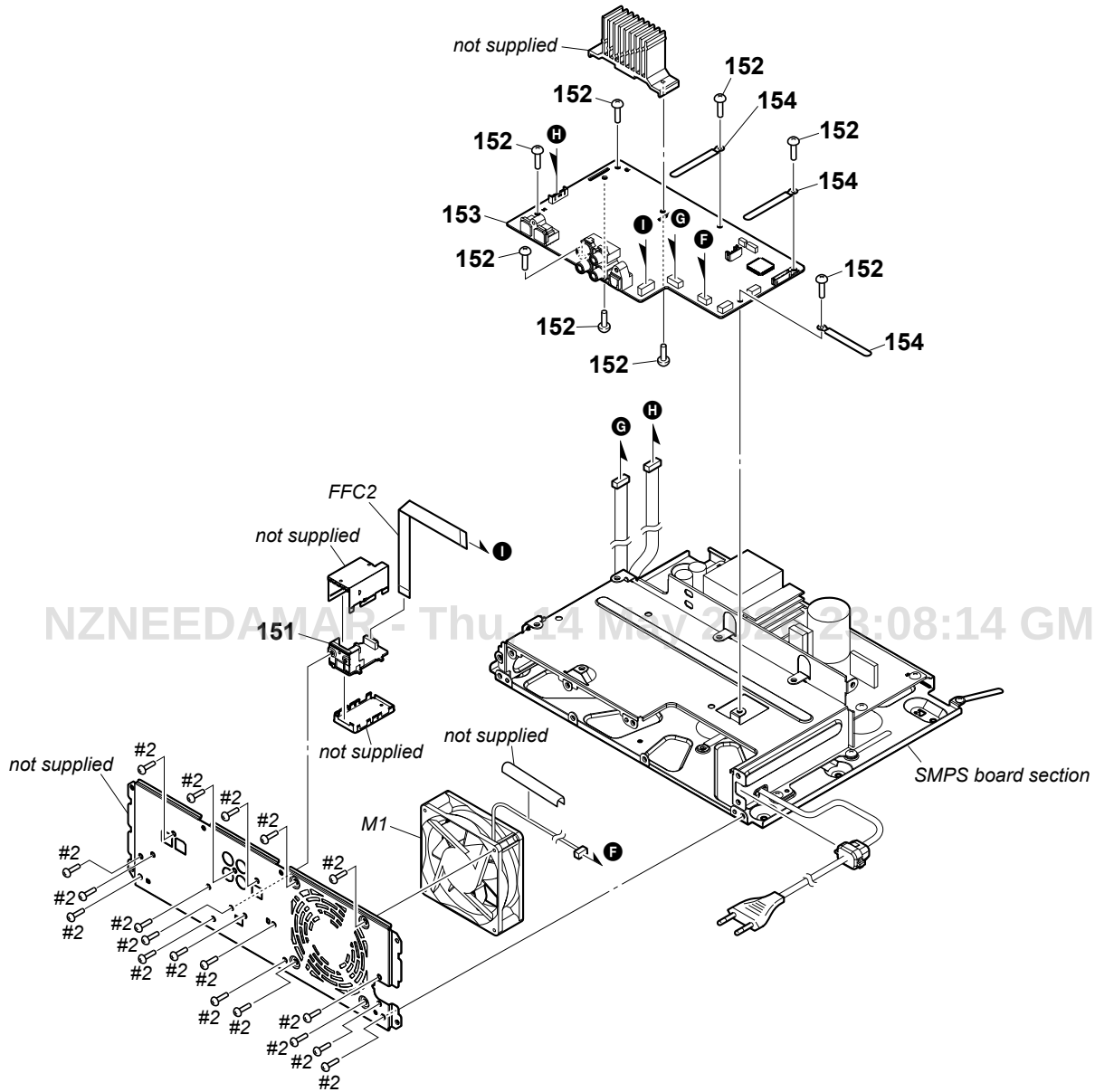


Note: As for SERVICE WIRE KIT, all flat flexible cables (Ref. No. FFC1, FFC2, FFC3, FFC4) will be 1 set.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	4-874-614-02	SCREW (1) (3.5X14), TAPPING		BT1	1-490-558-81	BLUETOOTH MODULE	
102	3-087-053-01	+BVTP2.6 (3CR)		FC2	1-469-829-11	CORE, FERRITE (US, MX)	
103	3-077-331-71	+BV3 (3-CR)		FFC3	9-885-197-79	SERVICE WIRE KIT (FFC 8P) (See Note)	
* 104	3-703-150-11	CLAMP		FFC4	9-885-197-79	SERVICE WIRE KIT (FFC 14P) (See Note)	
105	X-2589-886-2	FRONT PANEL ASSY (Except US)		NFC1	8-989-470-05	RC-S801 (NFC module)	
105	X-2590-011-2	FRONT PANEL ASSY (US)					

7-4. MAIN BOARD SECTION

- Rear view



Note 1: When the complete MAIN board is replaced, refer to “NOTE OF REPLACING THE IC002 ON THE MAIN BOARD AND THE COMPLETE MAIN BOARD” on page 5.

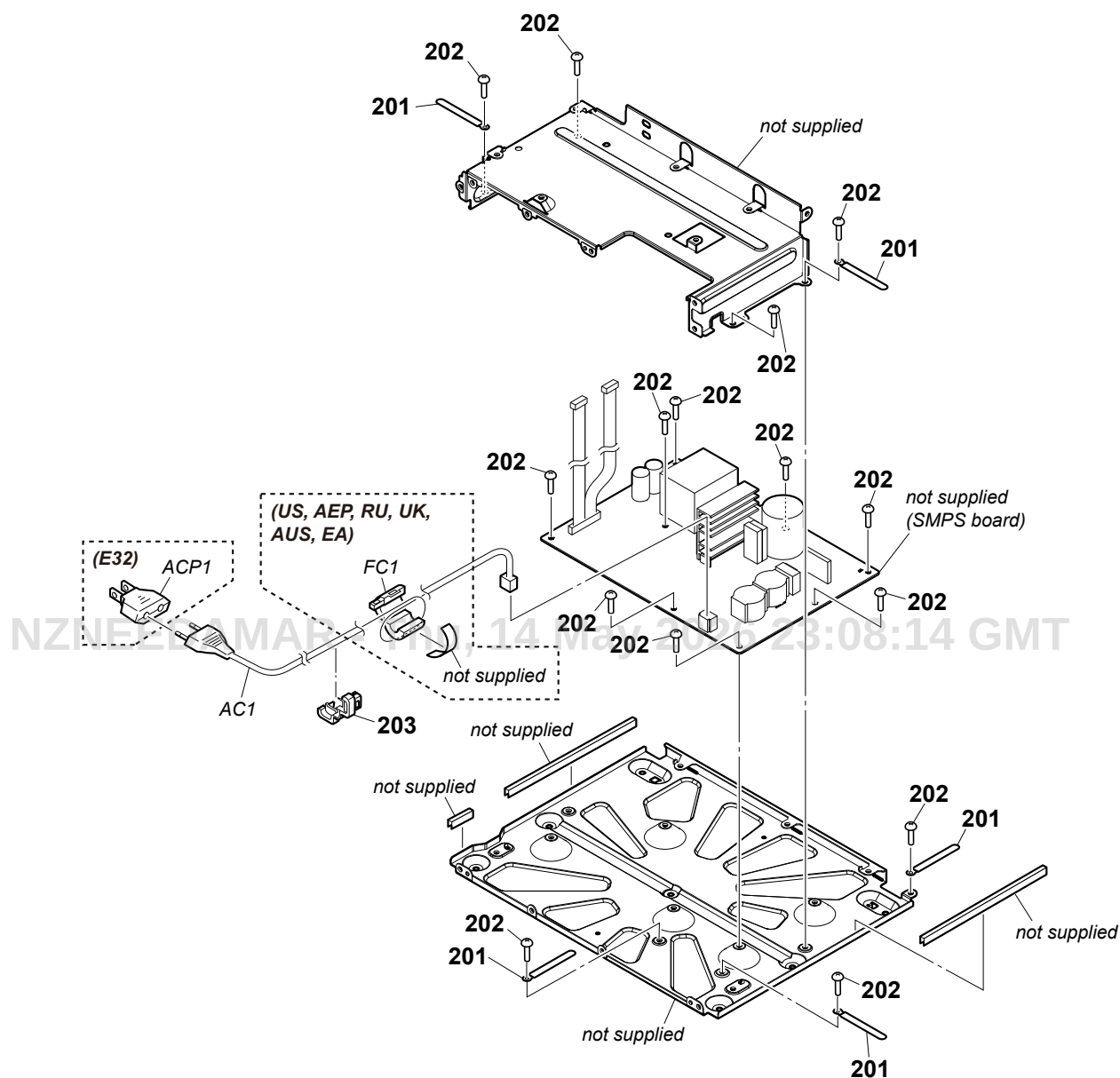
Note 2: As for SERVICE WIRE KIT, all flat flexible cables (Ref. No. FFC1, FFC2, FFC3, FFC4) will be 1 set.

Ref. No.	Part No.	Description	Remark
151	A-2057-420-A	TUNER BOARD, COMPLETE	
152	3-077-331-71	+BV3 (3-CR)	
153	A-2057-417-A	MAIN BOARD, COMPLETE (See Note 1)	
* 154	3-703-150-11	CLAMP	

Ref. No.	Part No.	Description	Remark
FFC2	9-885-197-79	SERVICE WIRE KIT (FFC 9P) (See Note 2)	
M1	1-855-006-61	DC FAN	
#2	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

7-5. SMPS BOARD SECTION

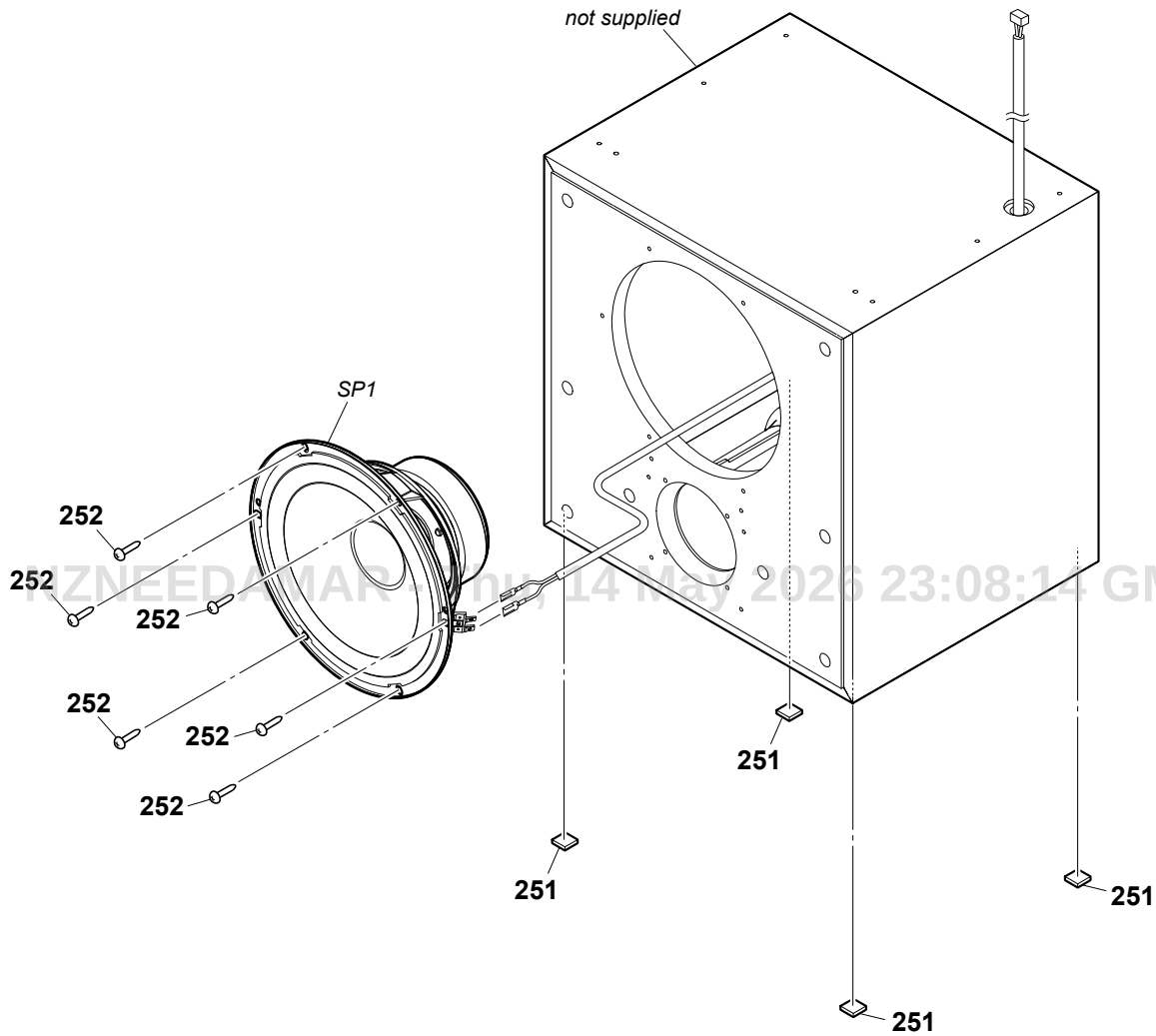
- Rear view



Note: Ferrite core (Ref. No. FC1) and PEF cushion (T100) are deleted from the midway of production. (E3, E12, E32, E51, MX, BR, SP)

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
* 201	3-703-150-11	CLAMP		△ AC1	1-837-312-11	CORD, POWER-SUPPLY (AR)	
202	3-077-331-71	+BV3 (3-CR)		△ AC1	1-837-344-11	CORD, POWER-SUPPLY (MX)	
△ 203	4-966-267-12	BUSHING (FBS001), CORD		△ AC1	1-839-012-11	CORD, POWER-SUPPLY (E12)	
△ AC1	1-834-966-41	POWER-SUPPLY CORD					
		(AEP, RU, E3, E32, E51, SP)		△ AC1	1-839-940-21	POWER-SUPPLY CORD (TH)	
△ AC1	1-835-068-21	CORD, POWER (AUS)		△ AC1	1-839-999-21	POWER-SUPPLY CORD (UK, EA)	
△ AC1	1-835-706-23	CORD, POWER-SUPPLY (BR)		△ ACP1	1-785-504-21	ADAPTOR, CONVERSION (E32)	
△ AC1	1-837-308-12	CORD, POWER-SUPPLY (US)		FC1	1-457-369-12	CORE, FERRITE (US, AEP, RU, UK, AUS, EA)	(See Note)

7-6. SPEAKER CABINET SECTION



Ref. No.	Part No.	Description	Remark
251	4-546-027-01	FOOT, RUBBER	
252	4-874-614-02	SCREW (1) (3.5X14), TAPPING	

Ref. No.	Part No.	Description	Remark
SP1	1-859-060-11	LOUDSPEAKER (18 cm)	