INTEGRATED STEREO AMPLIFIER

SANSUI A-60 (Silver & Black Model)
A-80 (Silver & Black Model)

Sansui

SANSUI ELECTRIC CO., LTD.

A-60/80

SPECIFICATIONS

●A-60

Power output
Min. RMS, both channels driven, from 20 to 20,000 Hz, with no more than 0.05 % total harmonic distortion
45 watts per channel into 8 ohms
Load impedance . . . . . 8 ohms
Total harmonic distortion
. . . . . less than 0.05 % at or below rated min. RMS power output
Frequency response (at 1 watt)
. . . . . 10 to 50,000 Hz +0.5 dB, -2 dB
RIAA curve deviation (PHONO, 30 Hz to 15 kHz)
. . . . . +0.6 dB, -0.8 dB
Input sensitivity and impedance (1 kHz, for rated power output)
PHONO
PHONO . . . . . 2.5 mV/47 kilohms
(Max. input capability: 160 mV at 1 kHz, less than 0.1 % total harmonic distortion)
AUX, TUNER, TAPE PLAY
. . . . . 150 mV/47 kilohms
Output level and impedance (1,000 Hz)
TAPE REC . . . . . 150 mV/47 kilohms
Hum and noise (Short-circuit, A-network)
PHONO . . . . . 70 dB
AUX, TUNER, TAPE PLAY
. . . . . 91 dB
Power requirements
Power voltage . . . . . 110 ~ 120, 220 ~ 240 V 50/60 Hz
For U.S.A. & Canada
. . . . . 120 V 60 Hz
Power consumption . . . . . 100 watts Rated
250 watts Maximum
UL, CSA Model . . . . . 165 watts 180 VA Rated
Dimensions . . . . . 430 mm (16 15/16") W
147 mm (5 13/16") H
351 mm (13 13/16") D
Weight . . . . . 6.3 kg (13.9 lbs.) net
7.2 kg (15.9 lbs.) packed

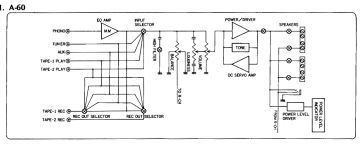
●A-80

Power output
Min. RMS, both channels driven, from 20 to 20,000 Hz, with no more than 0.02 % total harmonic distortion
61 watts per channel into 8 ohms
Load impedance . . . . . 8 ohms
Total harmonic distortion
. . . . . less than 0.01 % at or below rated min. RMS power output
Frequency response (at 1 watt)
. . . . . 10 to 50,000 Hz +0.5 dB, -2 dB
RIAA curve deviation (PHONO, 30 Hz to 17 kHz)
. . . . . +0.6 dB, -0.6 dB
Input sensitivity and impedance (1 kHz, for rated power output)
PHONO-MM . . . . . 2.5 mV/47 kilohms
(Max. input capability: 150 mV at 1 kHz, less than 0.1 % total harmonic distortion)
PHONO-MC . . . . . 0.3 mV/10 ohms
AUX, TUNER, TAPE PLAY
. . . . . 150 mV/47 kilohms
Output level and impedance (1,000 Hz)
TAPE REC . . . . . 150 mV/47 kilohms
Hum and noise (Short-circuit, A-network)
PHONO-MM . . . . . 80 dB
PHONO-MC . . . . . 60 dB
AUX, TUNER, TAPE PLAY
. . . . . 95 dB
Power requirements
Power voltage . . . . . 110 ~ 126, 220 ~ 240 V 50/60 Hz
For U.S.A & Canada
. . . . . 120 V 60 Hz
Power consumption . . . . . 252 watts Rated
550 watts Maximum
UL, CSA Model . . . . . 290 watts 375 VA Rated
Dimensions . . . . . 430 mm (16 15/16") W
147 mm (5 13/16") H
251 mm (9 15/16") D
Weight . . . . . 7.1 kg (15.7 lbs.) net
9.8 kg (17.6 lbs.) packed

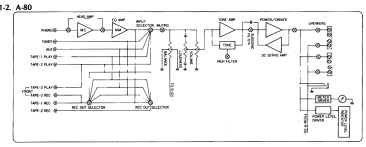
*Design and specifications subject to change without notice for improvement.
*In order to simplify the explanation illustrations may sometimes differ from the originals.

1. BLOCK DIAGRAM

1-1. A-60



1-2. A-80



2. ADJUSTMENTS

Notes: 1. Room Temperature ..... 18°C – 28°C (65°F – 83°F)
2. For this adjustment, run the unit for more than 5 minutes after the power is switched ON with its level volumes minimum.
3. Before adjusting or confirming the bias current, avoid such a measurement that the power transistors are heated.

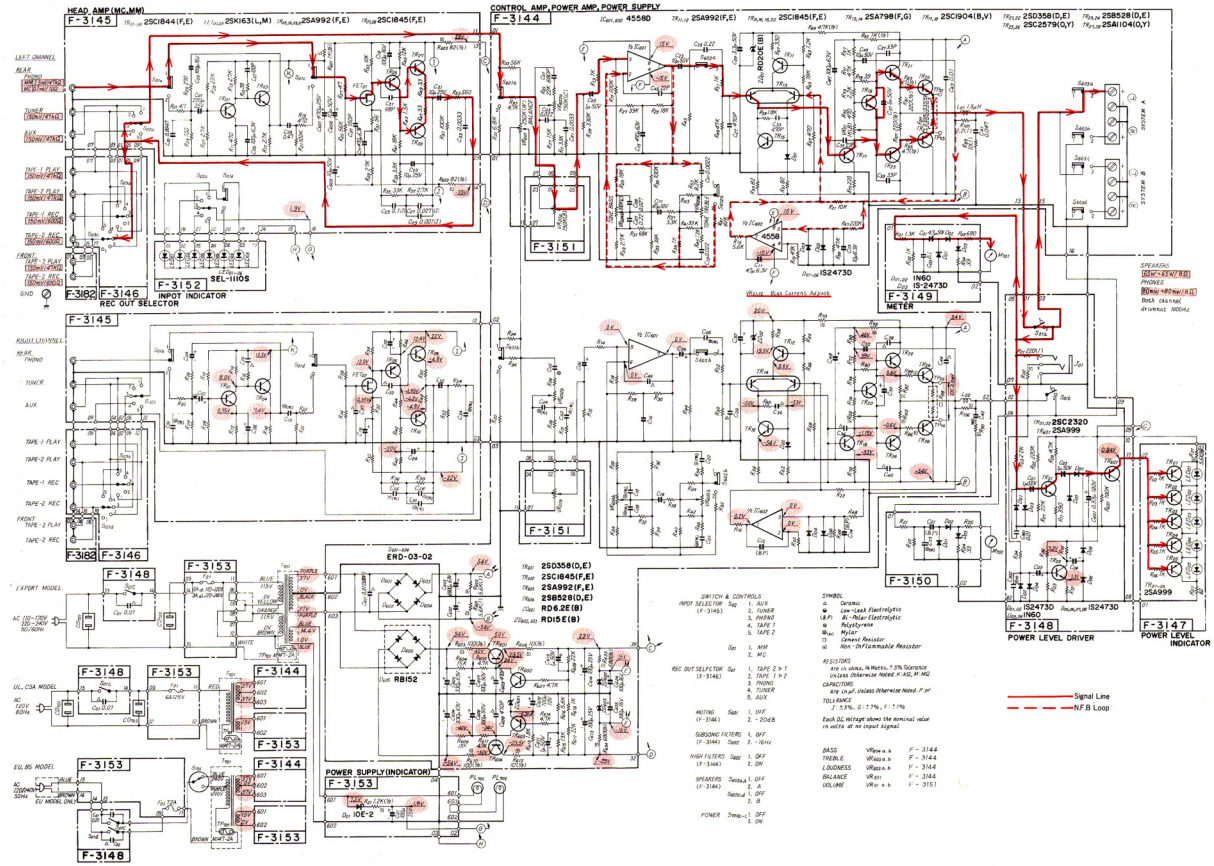
2-1. A-60 Bias Current Adjustment (See Top View on page 6)

STEP	SUBJECT	MEASURE OUTPUT	ADJUST	ADJUST FOR	REMARK
1.	Bias Current [L-CH] Adj.	Voltage across R71	VR01 on F-3159	DC 1.5 mV	Before turning ON power switch, turn VR01, VR02 fully counterclockwise.
2.	Bias Current [R-CH] Adj.	Voltage across R72	VR02 on F-3159	DC 1.5 mV	In this adjustment, the bias current is converted into the voltage.

2-2. A-80 Bias Current Adjustment (See Top View on page 7)

STEP	SUBJECT	MEASURE OUTPUT	ADJUST	ADJUST FOR	REMARK
1.	Bias Current [L-CH] Adj.	Voltage across R87	VR01 on F-3144	DC 1.5 mV	Before turning ON power switch, turn VR01, VR02 fully counterclockwise.
2.	Bias Current [R-CH] Adj.	Voltage across R88	VR02 on F-3144	DC 1.5 mV	In this adjustment, the bias current is converted into the voltage.

5-2. A-80



2SA992
2SA999
2SC1844
2SC1845
2SC2320
2SK163
2SC1904
NJM4558D
2SA1104
2SC2579
2SB528
2SD358
2SA798
IS2473D
ERD03-02H
IN 6D
RD6.2E B
RD15E B
RD20E B
RB-152
10E2