SP TERMINAL ASSEMBLY

L
SPEAKERS-A
R

L
SPEAKERS-B
R

SUPPLY

J410 J410

SP-A (OFF-ON) SP-B (OFF-ON)

S701-1 S701-2

J409 J409

D305 D306 R326 4.7k R327 100k

R701 330 (2W) R702 330 (2W)

R703 680 (1W) R704 680 (1W) C701 3900p C702 3900p

SP SWITCH ASSEMBLY

T1 : POWER TRANSFORMER ATS1080

S1 : POWER ASG-552

C1 0.01 /AC125 ACG1003

TH

120V 60Hz

AC POWER CORD ADG-089

FU1 : 5A AEK-308

C314 0.01/AC125

For SD type

T1 : POWER TRANSFORMER ATS1081

FU2 2.5A

S2 : VOLTAGE SELECTOR

220V 110V 120V 240V

C1 0.01/AC400

AC110V,120V-127V 220V,240V 50/60Hz

S1 POWER SW ASG-552

AC POWER CORD ADG1015

C314 0.01/AC400

FU1 2.5A

IC401 : FUNCTION TONE

VR401,402 : ATC1019

R411 220 C407 47p R413 220k R415 1M C409 47p R417 1.8k C405 4.7/50 R407 100k R409 330 R408 R410 C406 R418 C410 R416 C408 R414 R412 C411 0.01 C412

IC401 (1/2) IC401 (2/2)

R421 22k R419 150k VR401 1/2 100k C417 0.015 C415 0.082 R425 33k R423 3.9k C413 4.7/50 C423 1/50 (NP) C424 C414 R424 C416 R426 R420 VR401 2/2 C418 R422

R427 2.2k C419 3300p VR402 1/2 100k R433 100k R429 82k R431 820 C421 0.018 C422 R432 R430 VR402 2/2 R434 C420 R428

BASS TREBLE TONE

-15.5

For HB and HE types

T1 : POWER TRANSFORMER ATS1040

240V 220V

S1 POWER SW ASG-552

C1 0.01/AC400

AC220V, 240V 50/60Hz

AC POWER CORD ADG-063 (HB) ADG-068 (HE)

C314 0.01/AC400

FU1 T2A

FU1 AEK-511 (HB) AEK-017 (HE)

1. RESISTORS:
Indicated in Ω, ¼W, ⅛W. ±5% tolerance unless otherwise noted k : kΩ, M : MΩ, (F) : ±1%, (G) : ±2%, (K) : ±10% (M); ±20% tolerance

2. CAPACITORS:
Indicated in capacity (μF)/voltage (V) unless otherwise noted p : pF
Indication without voltage is 50V except electrolytic capacitor.

3. VOLTAGE, CURRENT:
V : Signal voltage at 60W + 60W, 8Ω output (1kHz)
: DC voltage (V) at no input signal
Value in ( ) is DC voltage at rated power.
⇦ mA : DC current at no input signal

4. OTHERS
➡ Signal route
⊘ Adjusting point.
The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
※ marked capacitors and resistors have parts numbers.

This is the basic schematic diagram, but the actual circuit may vary due to improvements in design.

5. SWITCHES

| | | |
|---|---|---|
| S1 | : POWER | (ON - OFF) |
| S101 | : PHONO | (MM - MC) |
| S401-1~4 | : FUNCTION | (CD - PHONO - TUNER - VIDEO/AUX) |
| S401-5 | : TAPE 1 MONITOR | (ON - OFF) |
| S401-6 | : TAPE 2 MONITOR | (ON - OFF) |
| S403 | : CD DIRECT | (ON - OFF) |
| S404 | : SUBSONIC FILTER | (ON - OFF) |
| S501 | : LOUDNESS | (ON - OFF) |
| S601 | : REC SELECTOR | |
| S701 | : SPEAKERS A.B | (ON - OFF) |

AF COMPLEX ASSEMBLY (AWZ1447)

IC101, Q101~104 : PHONO EQ

IC101
IC201,202

Q101 – 104
Q201,202
Q203–206,21
220,306

Q207, 208,30

Q209,Q210,30
Q213,214,221

Q215,216
Q217,218
Q303,304

Q305

D201– 210,21

D211,212
D301,302
D304,307

D308,309

D310

MM 2.5mV
MC 0.5mV
L
R
PHONO
19
R103 10
R101 100
S101-a
C103 220p
R107 56k
PHONO (MM-MC) S101
S101-b
C104
R108
R102
R104
0
Q101
Q103
Q102
Q104
15.5
4mA
R109 3.9k
C105 3300p
R111 3.9k
R113 82
IC101 (1/2)
R133 2.2kΩ/8W
R119 2.2M
0.8
R115 3.9k
4.9mA
C107 470/6
C109 470/6
S101-c
R117 6.8
R121 82
R116
S101-d
R118
R122
9.8mA
C110
C108
R134
R120
IC101 (2/2)
R114
C106
R110
R112
-15.5
4mA
C111 10/50
C113 10/50
R131 470
R127 120
C117 /200p
C115 0.068
C119 0.018
R123 47k
R125 3.9k
R124
R126
C116
C120
C118
R128
C112
C114
R132
R129 100k
C121 3900p
R130
C122
C123 100/25
C125 0.01
C124
C126
CN401
3
1
13.8mA
3mA
13.8mA
15.5
Q301
16.2
C301 10/50
C303 47/25
-15.5
Q302
C302
C304

PINJACK ASSEMBLY

J401
150mV
R601 560
L
CD
R
R602
R603 560
TUNER
R604
R605 560
AUX/ VIDEO
R606
R607 2.2k
REC
R608
TAPE 1
R609 560
PLAY
R610
R611 2.2k
R612
R613 560
TAPE 2
R614
S601-a
S601-b
S601-c
S601-d
SOURCE
CD
PHONO
TUNER
TAPE 2
TAPE 1
S601: REC SELECTOR
TAPE COPY
1►2
2►1
J402
J1
27
AUX
CD
PHONO
TUNER
SOURCE
TAPE 1 PLAY
TAPE 2 PLAY

IC401

D401-404,4
D405,406

1 2 1 3

M5210P
,202 PA0016

-104 2SK170
202 2SA979
-206,211,212,219
,306
2SC1845
,208,302,307
2SA1145
,0210,301 2SC2705
214,221,222
2SA992
216 2SC2591
218 2SA1111
,304 2SC2603
(2SC2458)
2SA1115

-210,213,214,305,306
1SS131
212 1S2471
302 RD18EB
,307 RD16EB
(HZ16EB)
309 S5566
(11E2)
RBV602

Q201~222, Q1~4 : POWER AMP

Q1,2 2SC3907
Q3,4 2SA1516

Q301~307 : POWER SUPPL

RY301 ASR-112
(ASR-107)
(ASR-109)

TONE FUNCTION ASSEMBLY (AWZ1446)

M5210P

1-404,407,408 AEL1015
5,406 AEL1018

VOLUME ASSEMBLY