

Service Manual

Stereo Integrated Amplifier

Amplifier

SU-V85A

Supplement

Color

(K) . . . Black Type

Color	Areas
(K)	[PA] . . . East PX.
(K)	[PE] . . . European Military.

Please use this manual together with the service manual for Model No. SU-V85A, Order No. HAD8612793C9.

CHANGES

■ SPECIFICATIONS

(OLD)

(NEW)

(DIN 45 500)

■ AMPLIFIER SECTION

20 Hz ~ 20 kHz continuous power output both channels driven	2 x 100W (8Ω)
1 kHz continuous power output both channels driven	2 x 150W (8Ω)
Total harmonic distortion rated power at 20 Hz ~ 20 kHz	0.002% (8Ω)
rated power at 1 kHz	0.0007% (8Ω)
Intermodulation distortion rated power at 250 Hz : 8 kHz = 4 : 1, 4Ω	0.005%
rated power at 60 Hz : 7 kHz = 4 : 1, SMPTE, 8Ω	0.005%
Power bandwidth both channels driven, -3 dB	5 Hz ~ 60 kHz (8Ω, 0.025%)
Load impedance MAIN or REMOTE	4Ω ~ 16Ω
MAIN and REMOTE	8Ω ~ 16Ω
Input sensitivity and impedance PHONO MM	2.5mV/47kΩ
PHONO MC	170μV/220Ω
TUNER, CD, AUX 1, AUX 2, TAPE 1/DA TAPE, TAPE 2, TAPE 3/EXT	150mV/18kΩ
PHONO maximum input voltage (1 kHz, RMS) MM	160mV
MC	12mV
S/N rated power PHONO MM	79 dB (88 dB, IHF, A)
PHONO MC	70 dB (72 dB, 250μV, IHF, A)
TUNER, CD, AUX 1, AUX 2, TAPE 1/DA TAPE, TAPE 2, TAPE 3/EXT	94 dB (IHF, A : 106 dB)

(IHF '78)

■ AMPLIFIER SECTION

Rated minimum sine wave RMS power output 20 Hz ~ 20 kHz both channels driven	120 W per channel (8Ω)
0.003% total harmonic distortion	
1 kHz continuous power output both channels driven	130 W per channel (8Ω)
0.003% total harmonic distortion	
Total harmonic distortion rated power at 20 Hz ~ 20 kHz	0.003% (8Ω)
rated power at 1 kHz	0.003% (8Ω)
Intermodulation distortion rated power at 250 Hz : 8 kHz = 4 : 1, 8Ω	0.005%
rated power at 50 Hz : 7 kHz = 4 : 1, SMPTE, 8Ω	0.005%
Power bandwidth both channels driven, -3 dB	5 Hz ~ 60 kHz (8Ω, 0.02%)
Load impedance MAIN or REMOTE	6Ω ~ 16Ω
MAIN and REMOTE	12Ω ~ 16Ω
Input sensitivity and impedance PHONO MM	0.25 mV (2.5 mV, IHF '66)/47 kΩ
PHONO MC	17μV (170μV, IHF '66)/220Ω
TUNER, CD, AUX 1, AUX 2, TAPE 1/DA TAPE, TAPE 2, TAPE 3/EXT	15 mV (150 mV, IHF '66)/18 kΩ
PHONO maximum input voltage MM	150 mV
MC	10 mV
S/N (IHF, A) PHONO MM	77 dB (88 dB, IHF '66)
PHONO MC	75 dB (72 dB, IHF '66)
TUNER, CD, AUX 1, AUX 2, TAPE 1/DA TAPE, TAPE 2, TAPE 3/EXT	82 dB (106 dB, IHF '66)

Technics

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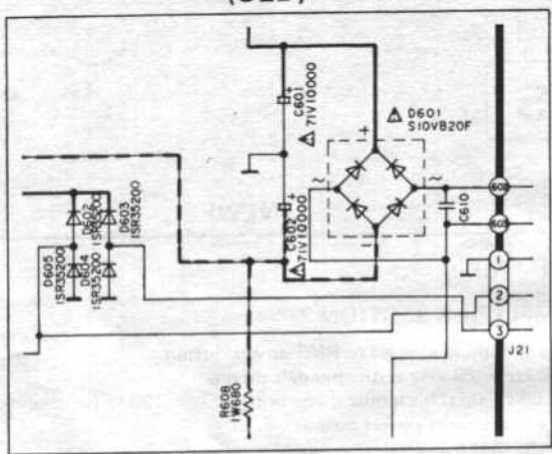
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REPLACEMENT PARTS LIST

Ref. No.	Change of Part No.		Part Name & Description	Per Set (Pcs.)	Remarks
	OLD	NEW			
TRANSFORMER					
T1	Δ SLT5Q148	SLT5Q149	Power Transformer	1	Change
CABINET AND CHASSIS					
28	SMN2039	-----	Bracket	0	Deletion
38	SGP6940-4A	SGP6940-4B	Rear Panel	1	Change
CAPACITOR					
C601	Δ ECET71R103Y	ECET71R562U	Electrolytic, 71V, 5600μF	1	Change
C602	Δ ECET71R103Y	ECET71R562U	Electrolytic, 71V, 5600μF	1	Change
C603	Δ -----	ECET71R562U	Electrolytic, 71V, 5600μF*	1	Addition
C604	Δ -----	ECET71R562U	Electrolytic, 71V, 5600μF	1	Addition

SCHEMATIC DIAGRAM

(OLD)



(NEW)

