

# Service Manual

Stereo Integrated Amplifier

## Amplifier SU-V570

Color

(K) ..... Black Type



## Area

Country Code	Areas	Color
(E)	Continental Europe	(K)
(EB)	Great Britain	(K)
(EG)	F.R. Germany & Italy	(K)

### SPECIFICATIONS

(DIN 45 500)

<b>20 Hz~20 kHz continuous power output</b>	
both channels driven	2 × 60 W (8 Ω)
<b>1 kHz continuous power output</b>	
both channels driven (THD: 1%)	2 × 70 W (8 Ω) 2 × 100 W (4 Ω)
<b>63 Hz~12.5 kHz continuous power output</b>	
both channels driven (0.7%)	2 × 60 W (8 Ω) 2 × 90 W (4 Ω)
<b>Total harmonic distortion (Power Amp Direct input)</b>	
rated power at 20 Hz~20 kHz	0.005 % (8 Ω)
rated power at 1 kHz	0.0009 % (8 Ω) 0.002 % (4 Ω)
half power at 20 Hz~20 kHz	0.005 % (8 Ω)
half power at 1 kHz	0.0009 % (8 Ω) 0.002 % (4 Ω)
<b>Intermodulation distortion</b>	
rated power at 50 Hz: 7 kHz = 4:1, SMPTE, 8 Ω	0.007 %
<b>Residual hum and noise</b>	0.2 mV
<b>Damping factor</b>	60 (8 Ω), 30 (4 Ω)
<b>Headphones output level and impedance</b>	540 mV/330 Ω
<b>Load impedance</b>	
A or B	4 Ω~16 Ω
A and B	8 Ω~16 Ω
<b>Input sensitivity and impedance</b>	
PHONO MM	2.5 mV/47 kΩ
PHONO MC	170 μV/220 Ω
TUNER, CD, AUX, TAPE 1, TAPE 2/DAT	150 mV/22 kΩ
POWER AMP DIRECT	1 V/18 kΩ
<b>Phono maximum input voltage (IHF '66, 1 kHz, RMS)</b>	
MM	160 mV
MC	12 mV
<b>S/N</b>	
rated power (4 Ω)	
PHONO MM	77 dB (IHF '66: 83 dB)
PHONO MC	64 dB (IHF '66: 64 dB, S=250 μV)
TUNER, CD, AUX, TAPE 1, TAPE 2/DAT	97 dB (IHF '66: 100 dB)
POWER AMP DIRECT	106 dB (IHF '66: 115 dB)
-26 dB power (4 Ω)	

<b>PHONO MM</b>	76 dB
<b>PHONO MC</b>	63 dB
<b>TUNER, CD, AUX, TAPE 1, TAPE 2/DAT</b>	84 dB
<b>50 mW power (4 Ω)</b>	
PHONO MM	75 dB
PHONO MC	63 dB
TUNER, CD, AUX, TAPE 1, TAPE 2/DAT	78 dB

## Frequency response

<b>PHONO MM</b>	RIAA standard curve ±0.8 dB (30 Hz~15 kHz)
<b>TUNER, CD, AUX, TAPE 1, TAPE 2/DAT</b>	3 Hz~100 kHz (+0, -3 dB) +0 dB, -0.2 dB (20 Hz~20 kHz)
<b>POWER AMP DIRECT</b>	2 Hz~120 kHz (+0, -3 dB) +0 dB, -0.2 dB (20 Hz~20 kHz)

## Tone controls

<b>BASS</b>	50 Hz, +10 dB, -10 dB
<b>TREBLE</b>	20 kHz, +10 dB, -10 dB

## Loudness control (volume at -30 dB)

50 Hz, +9 dB

## Output voltage

<b>TAPE 1, TAPE 2/DAT REC OUT</b>	150 mV
<b>Channel balance, AUX 250 Hz~6,300 Hz</b>	±1 dB
<b>Channel separation, AUX 1 kHz</b>	50 dB

### ■ GENERAL

<b>Power consumption</b>	520 W
<b>Power supply</b>	
For Great Britain	AC 50 Hz/60 Hz, 240 V
For others	AC 50 Hz/60 Hz, 220 V
<b>Dimensions (W × H × D)</b>	430 × 158 × 320 mm (16-15/16" × 6-7/32" × 12-5/8")
<b>Weight</b>	9.2 kg (20.2 lb.)

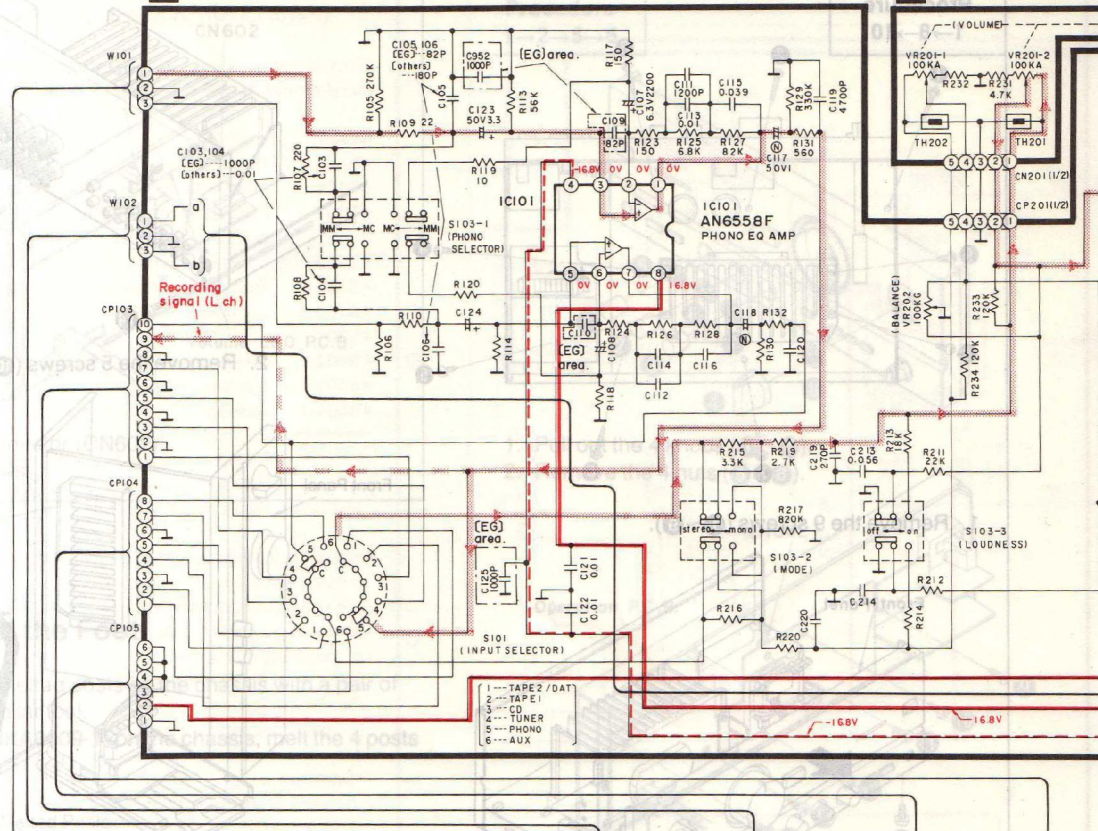
## Notes:

- Specifications are subject to change without notice.
- Weight and dimensions are approximate.
- Total harmonic distortion is measured by the digital spectrum analyzer.

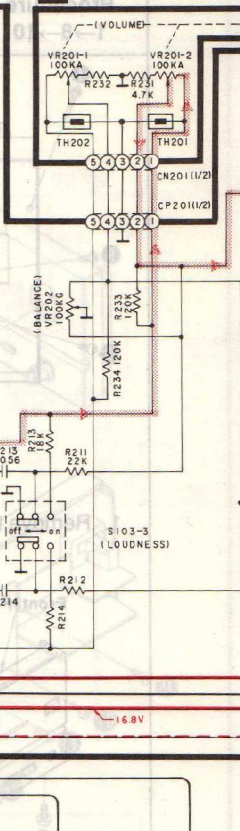
# Technics

Matsushita Electric Industrial Co., Ltd.  
Central P.O. Box 288, Osaka 530-91, Japan

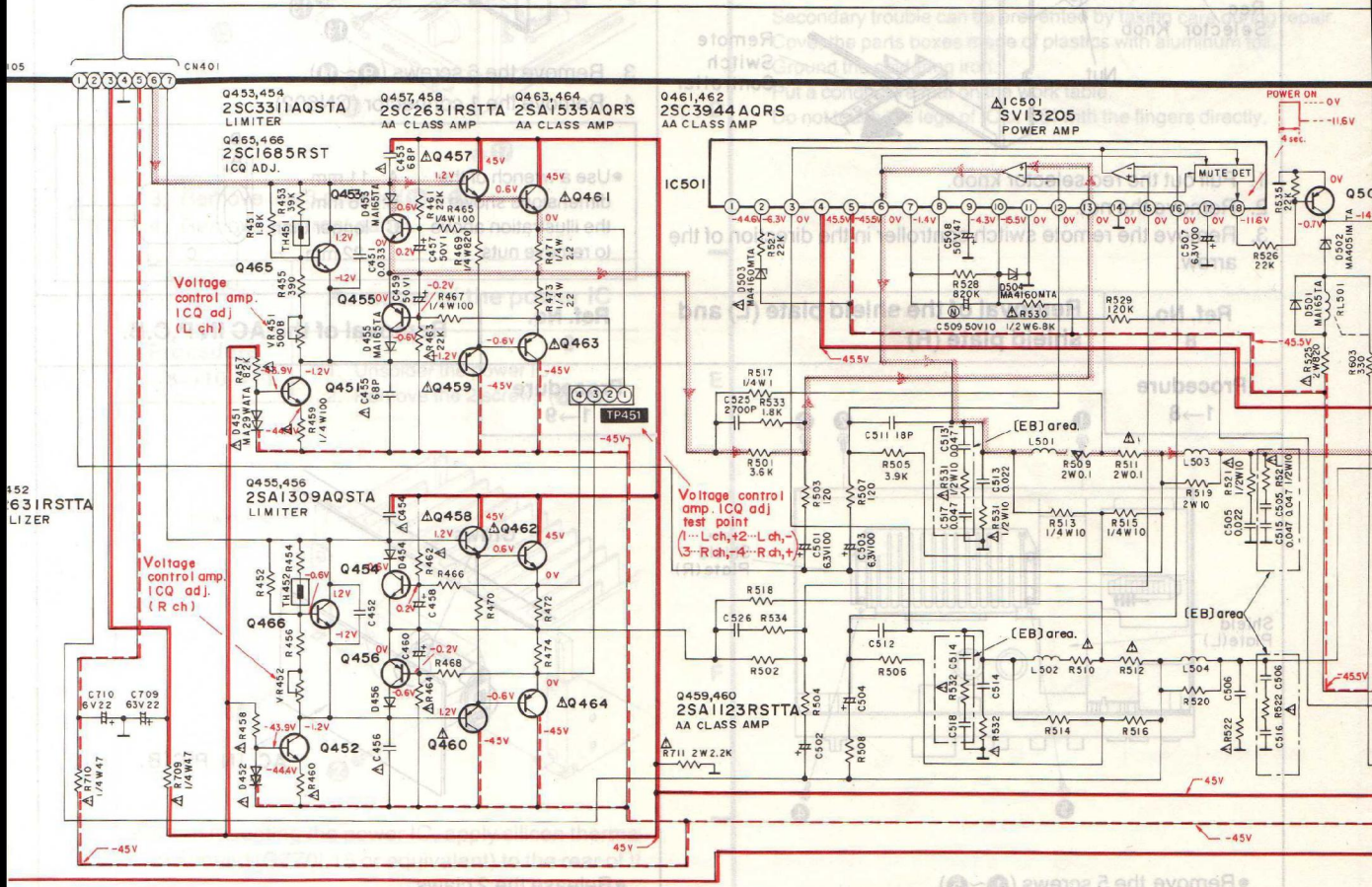
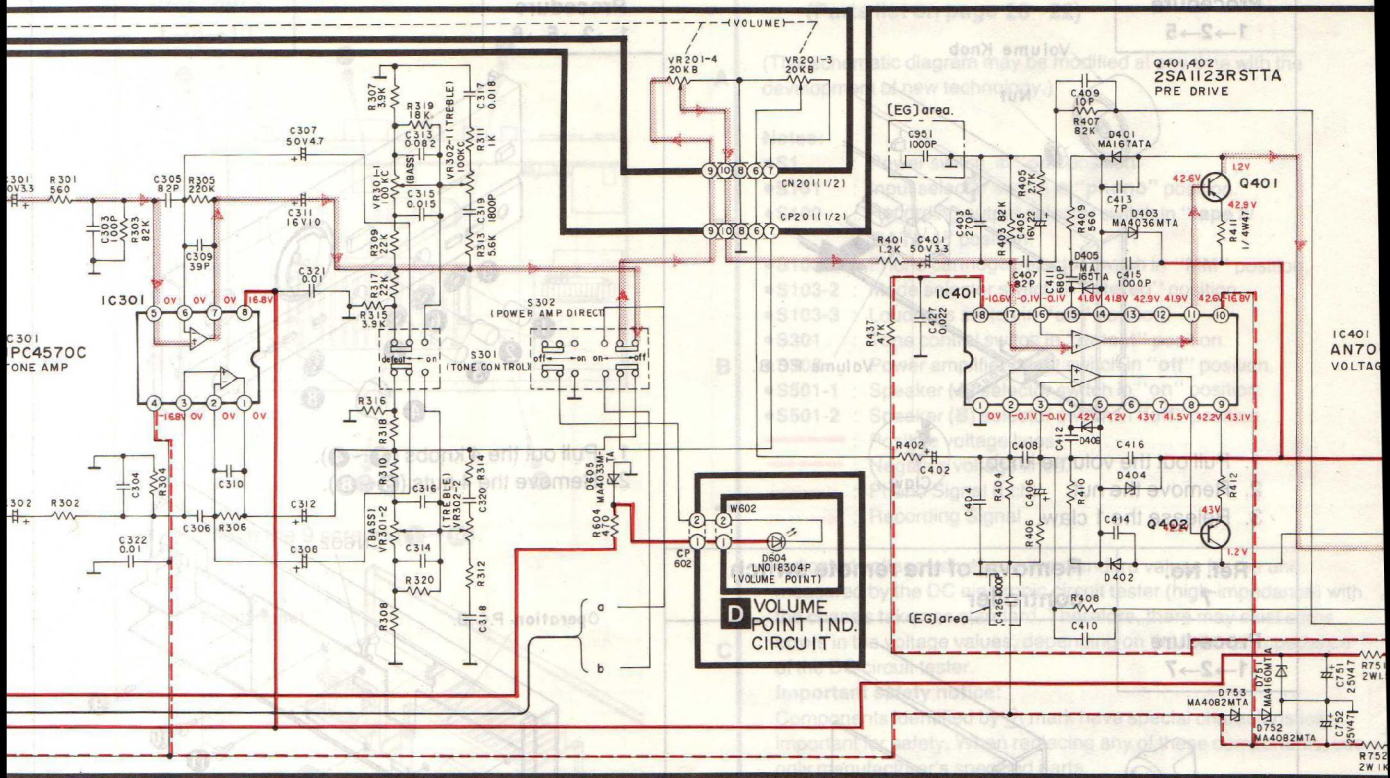
**A PHONO EQ/TONE AMP CIRCUIT**



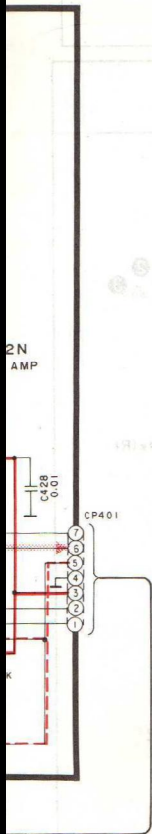
**C VOLUME CIRCUIT**



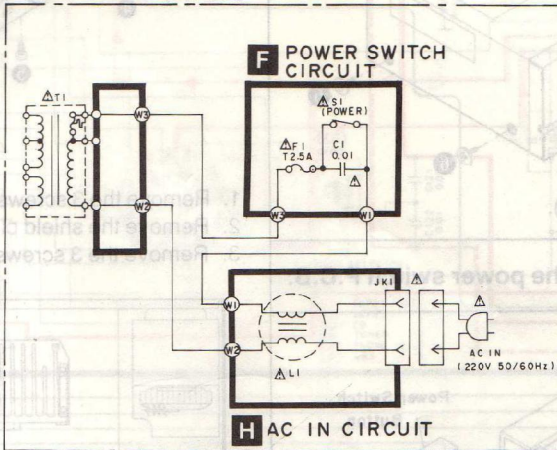




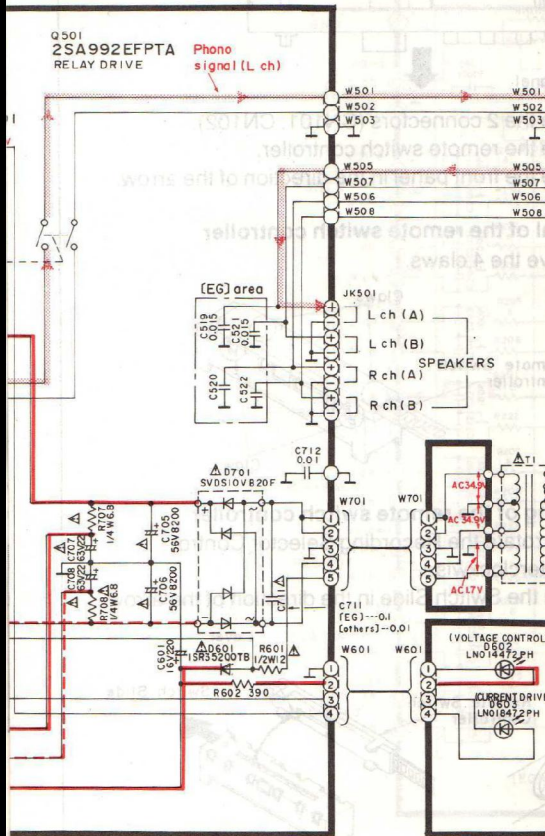
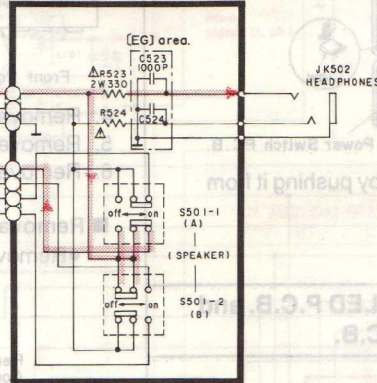




Power Source For [EG] area.



**E HEADPHONES /SPEAKER SWITCH CIRCUIT**



**F POWER SWITCH CIRCUIT**

