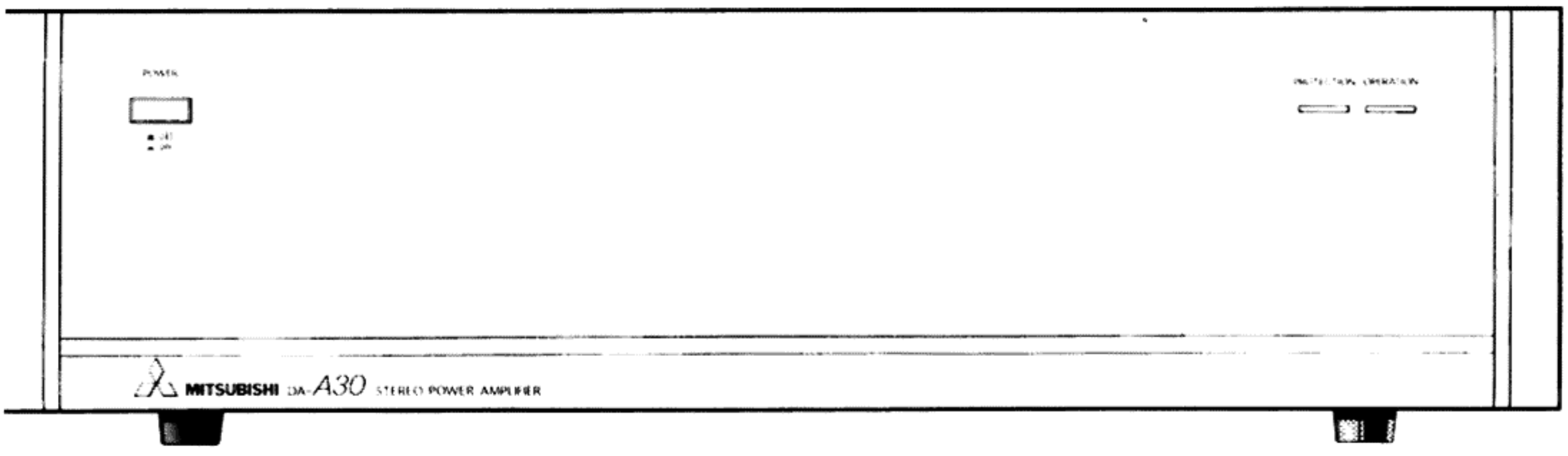
MITSUBISHI
AUDIO SYSTEMS

SERVICE MANUAL

STEREO POWER AMPLIFIER

MODEL DA-A30



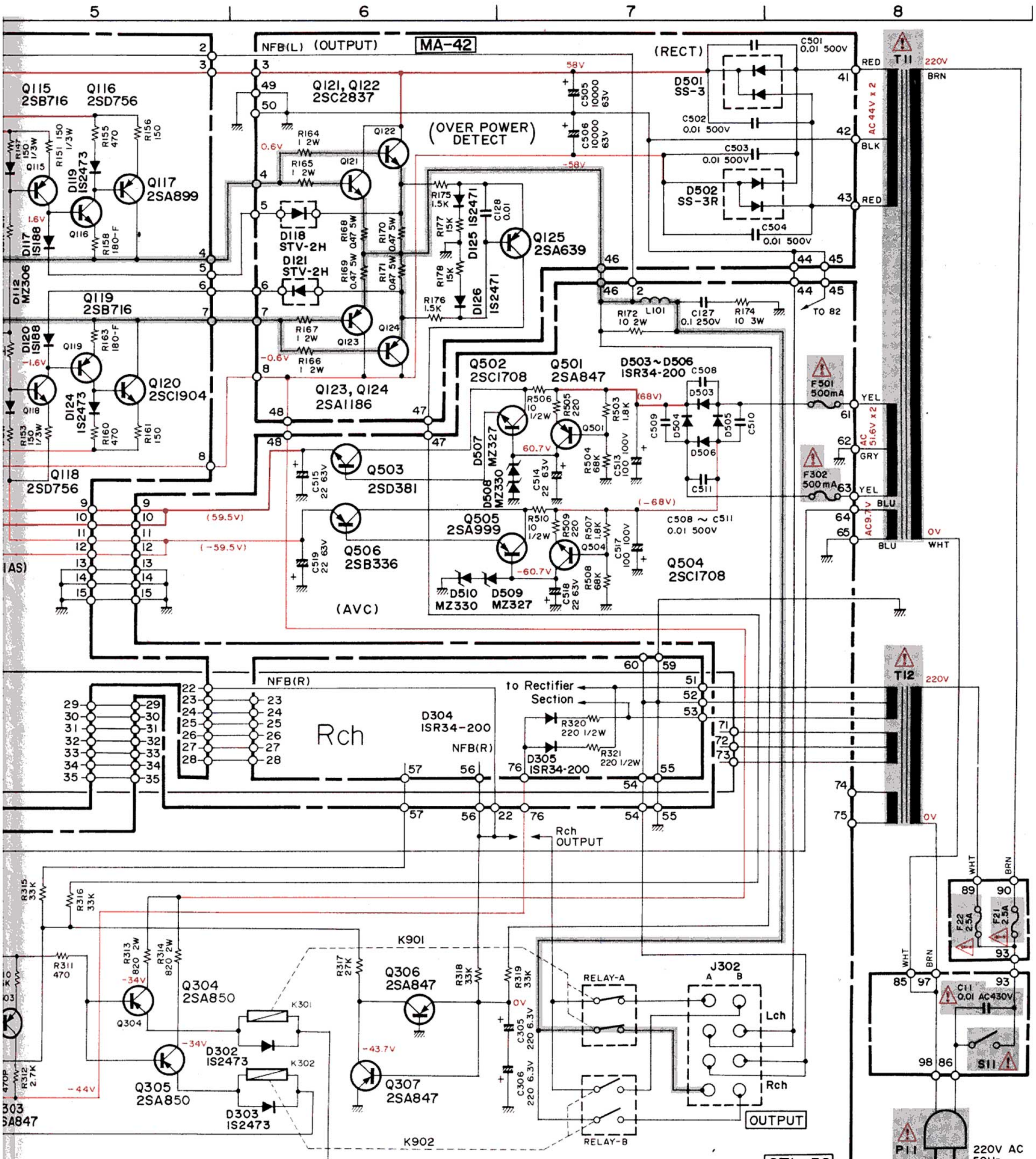
SPECIFICATIONS

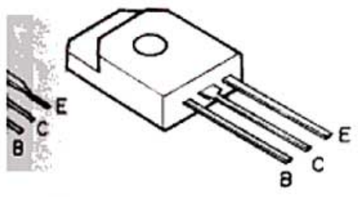
	105 watts per channel, min. RMS, at 8 ohms from 20Hz to 20kHz with no more than 0.008% total harmonic distortion
	115 watts per channel, min. RMS, into 4 ohms at 1kHz with 0.1% total harmonic distortion.
	140 watts per channel, min. RMS, into 4ohms at 1kHz with 0.1% total harmonic distortion.
Total harmonic distortion	0.003% at 50W per channel, both channels driven into 8 ohms from 20Hz to 20kHz
Intermodulation distortion (70Hz and 7kHz 4:1)	0.006% at rated power, 8ohms
	0.008% at 1W per channel, 8ohms
Power bandwidth (IHF)	10Hz to 100kHz at 0.1% THD, 8ohms
Frequency response	± 0.1dB from 20Hz to 20kHz at rated power, 8ohms
	$^{+0}_{-1}$ dB from DC to 150kHz at 0.5W per channel, 8ohms
Dynamic headroom	2.0dB
Input sensitivity/ impedance	1V (variable)/50kohms
Damping factor	100 from 20Hz to 20kHz, 8ohms
Channel separation	100dB at 1kHz
	80dB at 20kHz
Hum and noise	0.15mV (unweughted, closed circuit)
Signal to noise ratio (at rated power)	107dB (unweighted, closed circuit)
	122dB (IHF, A network, closed circuit)
	119dB (DIN, closed circuit)
	109dB (DIN, 47kohms//250pF terminated)
Slew rate	200V/micro sec. at 100V p-p
Power comsumption	400W at rated power, 8ohms
	280W (UL nominal)
Dimensions (W x H x D)	470 x 135 x 357 mm (18-1/2 x 5-5/16 x 14-1/16")
Weight	14.5kg (32lbs)
Supplied with	Pin plug cord
	Speaker control cable

Design and specifications are subject to change without notice for improvement.

MITSUBISHI ELECTRIC CORPORATION

DA-A30





2SC2837
2SA1186

NOTE:

1. Units of C and R are as follows,

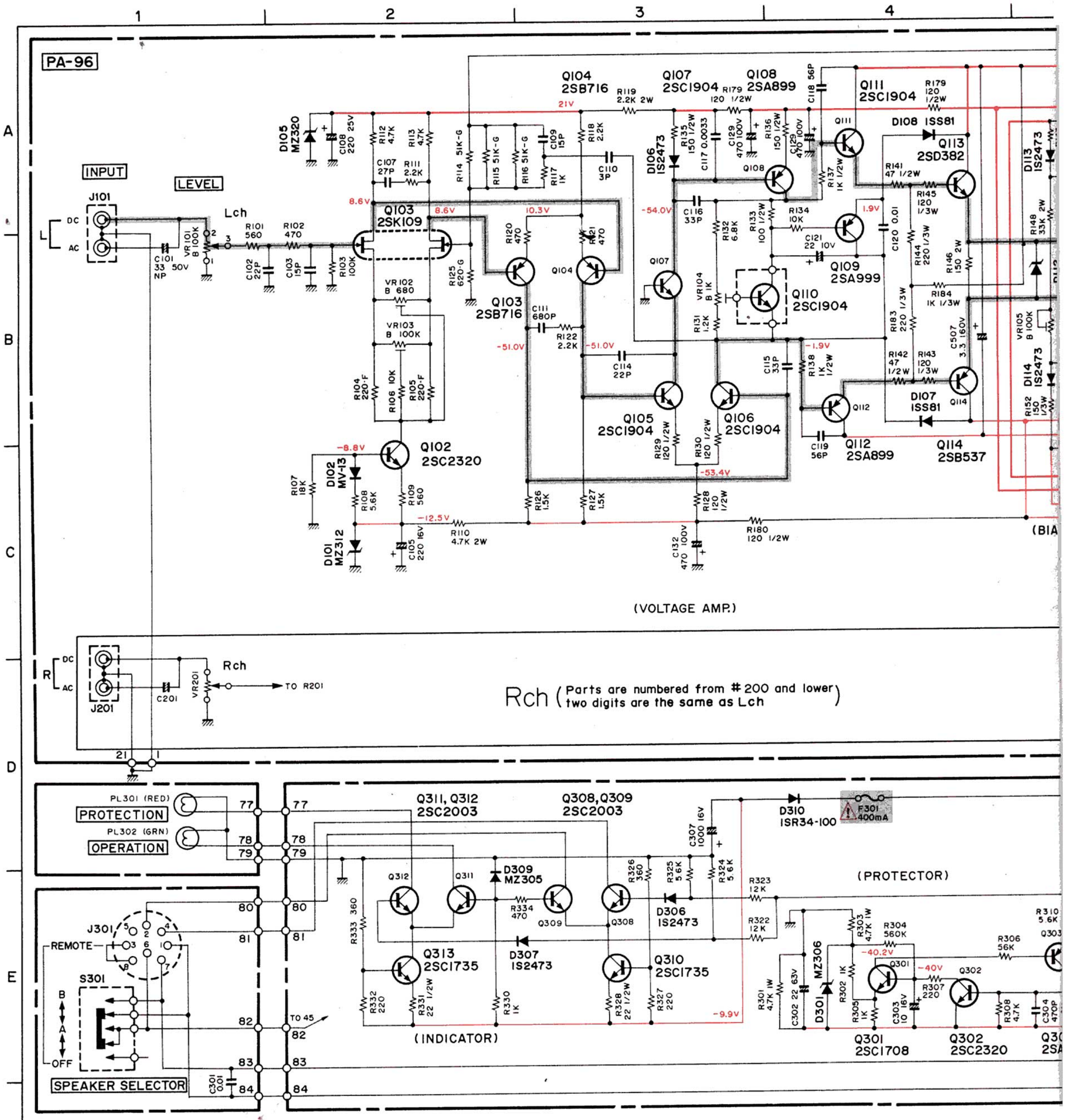
Capacitors:	non-symbol	μF	Resistors:	non-symbol	Ω
	p-symbol	pF		k-symbol	kΩ
				M-symbol	MΩ

2. All resistors are carbon 1/4W unless otherwise specified.
3. Schematic of the R channel (amp., bias, power supply and AVC circuit) is abbreviated on this diagram.

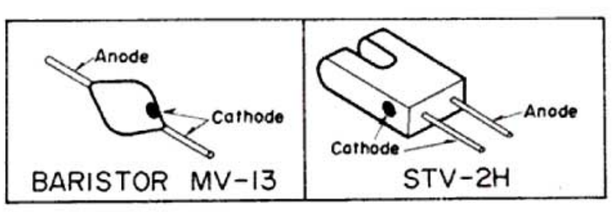
⚠ and ▭ marked components have special characteristics to maintain the safety performance of this unit. When replacing any of these parts, be sure to use only those specified on the parts list.

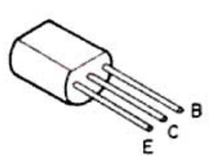
Since this schematic is a basic diagram of the set, values of component parts etc., are subject to change without notice for improvement.

SCHEMATIC DIAGRAM

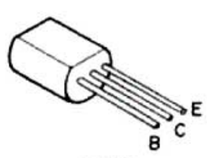


- POWER ON — PROTECTION light
  3 ~ 5 sec. later OPERATION light
- If trouble occurs — PROTECTION will light

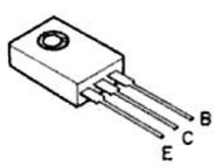




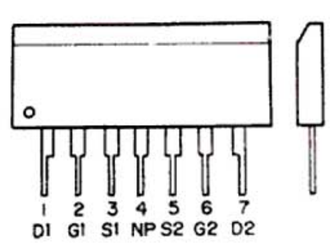
2SA639
2SA999
2SB716
2SC2003
2SC2320



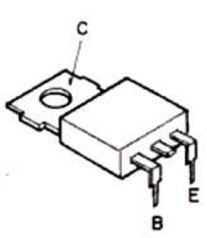
2SA847
2SA850
2SC1708
2SC1735
2SD756



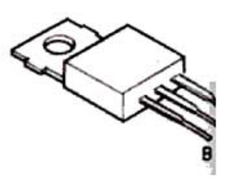
2SC1904
2SA899



2SK109



2SD382
2SB537



2SD381
2SD536