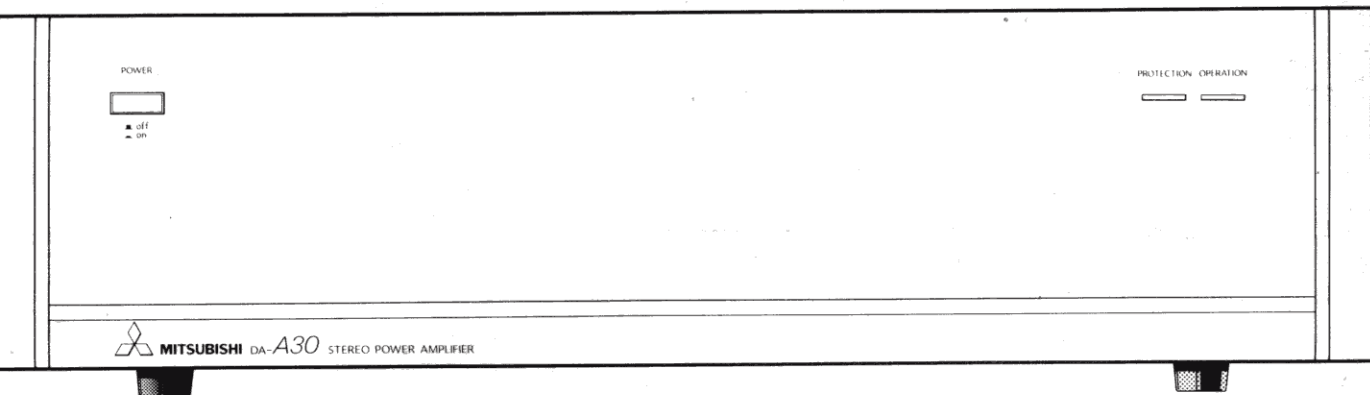




SERVICE MANUAL

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 10Hz to 100kHz at 0.1% THD, 8ohms (IHF)

Frequency response ± 0.1 dB from 20Hz to 20kHz at rated power, 8ohms
+0 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 (unweighted, closed circuit)

Signal to noise ratio 107dB (unweighted, closed circuit)
(at rated power) 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 consumption 400W at rated power, 8ohms
280W (UL nominal)

Dimensions 470 x 135 x 357 mm
(W x H x D) (18-1/2 x 5-5/16 x 14-1/16")

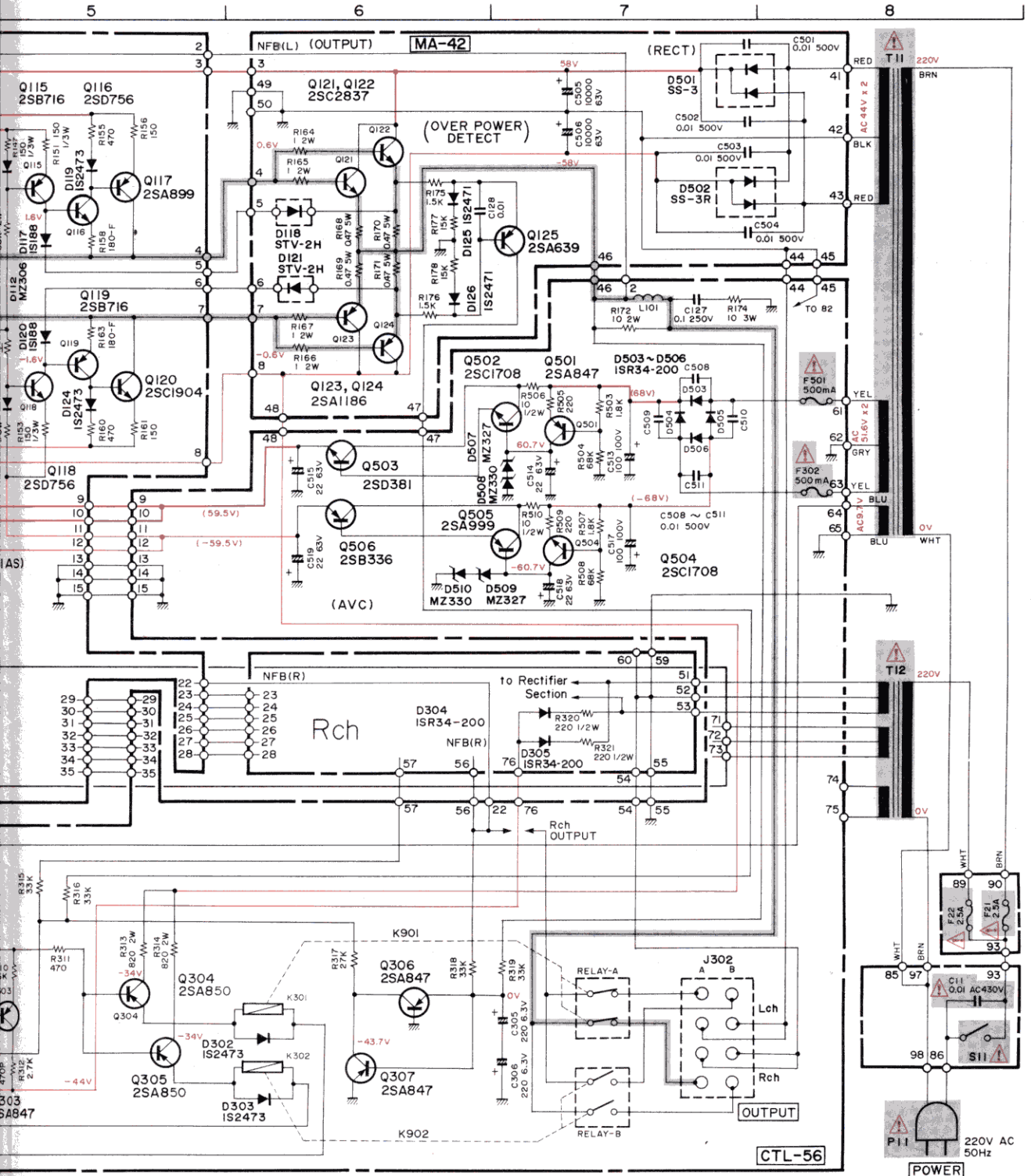
Weight 14.5kg (32lbs)

Supplied with Pin plug cord
Speaker control cable

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



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M2306 v

NOTE:

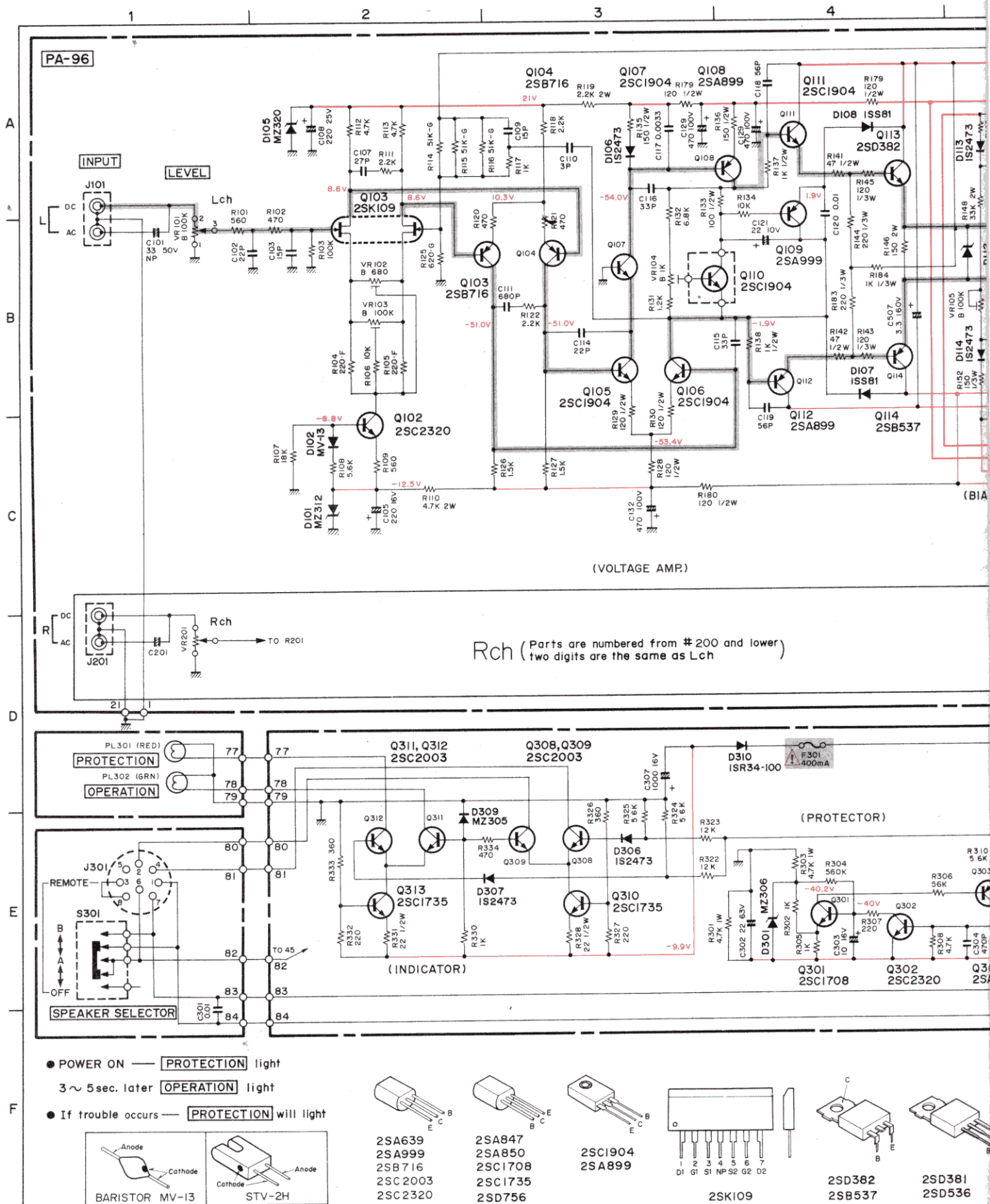
1. Units of C and R are as follows,
Capacitors: non-symbol μ F Resistors: non-symbol Ω
 p-symbol pF k-symbol k Ω
 M-symbol M Ω
2. All resistors are carbon 1/4W unless otherwise specified.
3. Schematic of the R channel (amp., bias, power supply and AVC circuit) is abbreviated on this diagram.

⚠ and [shaded] 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.

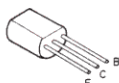
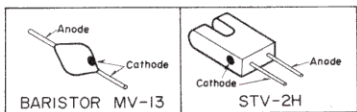
Since this schematic is a basic diagram of the set, values of component parts etc., are subject to change without notice for improvement.

2SC2837
2SA1186

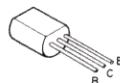
SCHEMATIC DIAGRAM



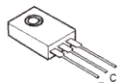
- POWER ON — PROTECTION light
- 3 ~ 5sec. later OPERATION light
- If trouble occurs — PROTECTION will light



2SA639
2SA999
2SB716
2SC2003
2SC2320



2SA847
2SA850
2SC1708
2SC1735
2SD756



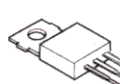
2SC1904
2SA899



2SK109



2SD382
2SB537



2SD381
2SD536