



# SERVICE MANUAL

## TOA V-1000 SERIES

No. 833-71-162-50

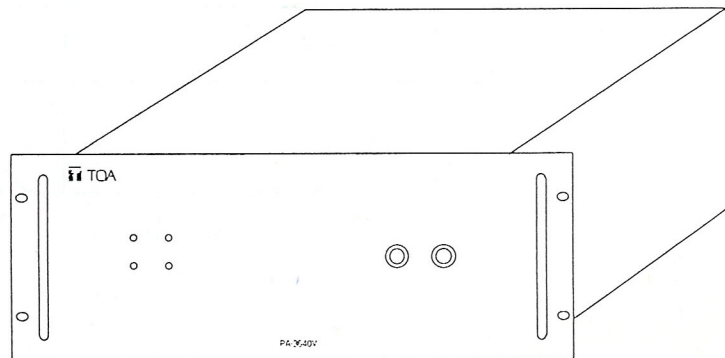
EINGEGANGEN

14. Okt. 1999

## POWER AMPLIFIER

Model

# PA-3640V



Sold 1992, August onward

### 1. SPECIFICATIONS

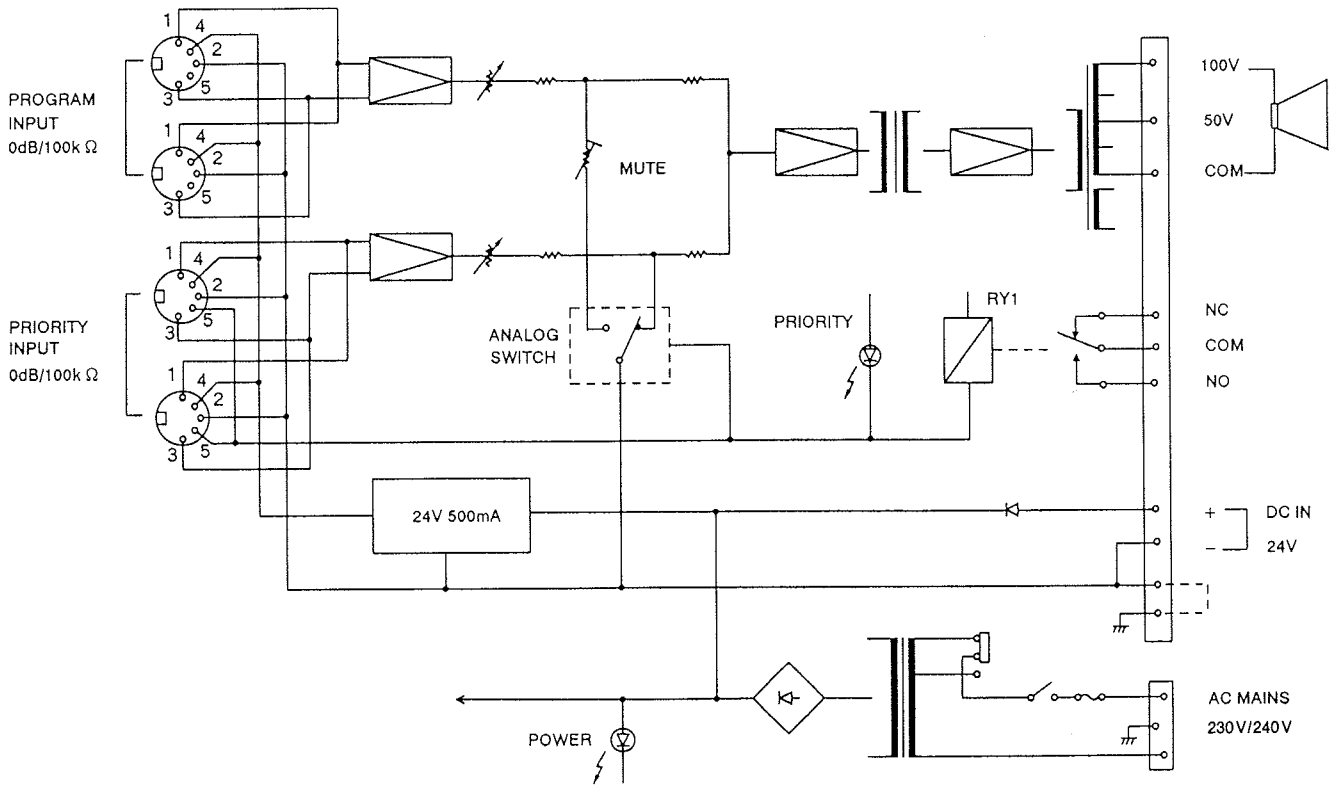
Output Power	360W RMS
Frequency Response	40~16kHz $\pm$ 3dB (at 1/3 rated output)
Distortion	Less than 1% (at rated output f=1kHz)
Inputs	2 Program Inputs (Parallel) 0dB 100k $\Omega$ (Balanced) 2 Priority Inputs (Parallel) 0dB 100k $\Omega$ (Balanced)
S/N	Better than 80dB
Indicators	Green LED Lamp for Power Indicator Red LED Lamp for Priority Indicator
Outputs and Load Impedance	100V/27.8 $\Omega$ (70V/13.9 $\Omega$ ) 50V/6.9 $\Omega$
Power Consumption	780VA
Power Requirement	AC Mains 50/60Hz, 24V DC
Dimensions	483.0mm (W) $\times$ 316.0mm (D) $\times$ 177.0mm (H)
Weight	22.2kg
Finish	Metallic Gold

Specifications are subject to change without notice.

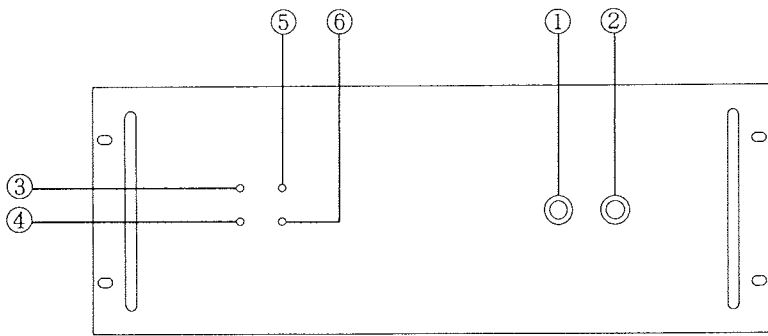
TOA Corporation  
KOBE, JAPAN

Printed in Japan ASHS09308250E

## 2. BLOCK DIAGRAM

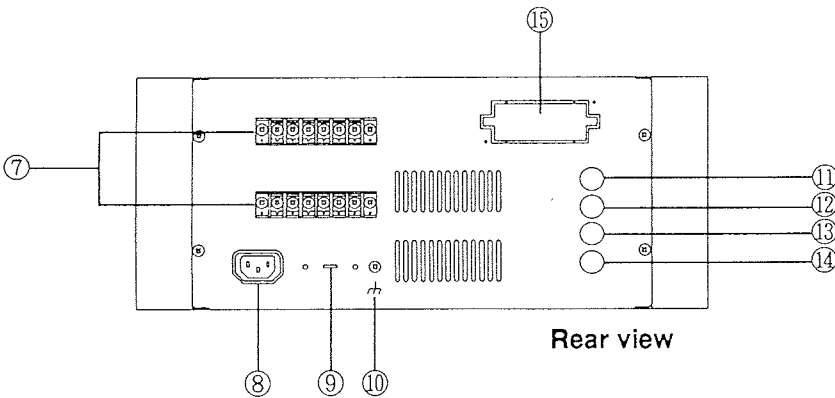


## 3. PART NAMES



Front view

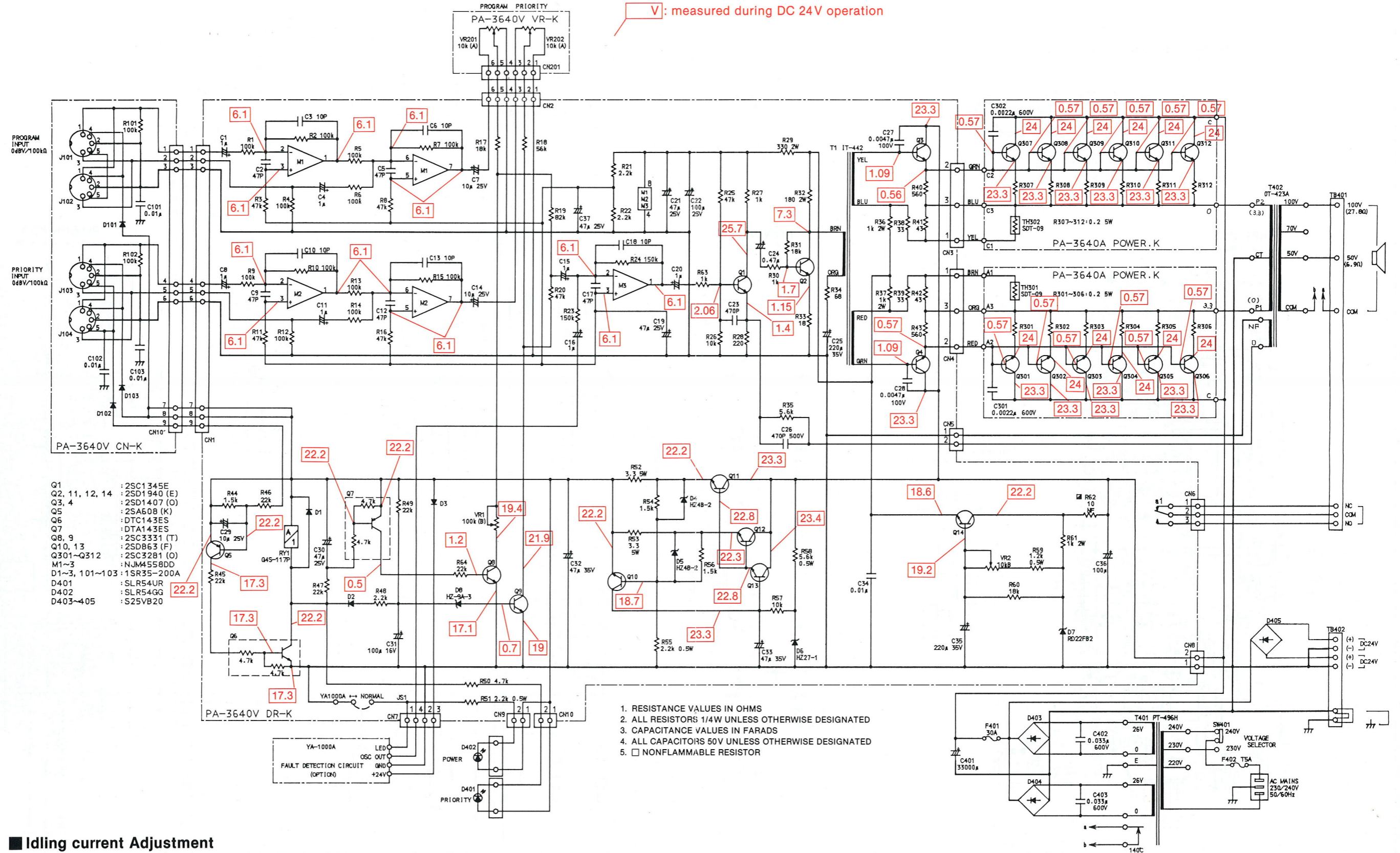
- ① DC Fuse Holder
- ② AC Fuse Holder
- ③ Priority Volume Control
- ④ Program Volume Control
- ⑤ Priority Indicator
- ⑥ Program Indicator



Rear view

- ⑦ 6 P Terminals
- ⑧ AC Inlet
- ⑨ Voltage Selector
- ⑩ Earth Terminal
- ⑪ Priority Input 5 P DIN Socket
- ⑫ Priority Output 5 P DIN Socket
- ⑬ Program Input 5 P DIN Socket
- ⑭ Program Output 5 P DIN Socket
- ⑮ Port for YA-1000A  
(Fault detection module)

# 4. SCHEMATIC DIAGRAM



## Idling current Adjustment

- Power source : 35V DC ±1V (applied to the DC input terminal)
- Ambient temperature: 10°C or higher
- Start of adjustment : 30 to 40sec. after power-on
- Load Resistor : A rated resistor loaded
- Idling current value : 500mA DC ±10mA