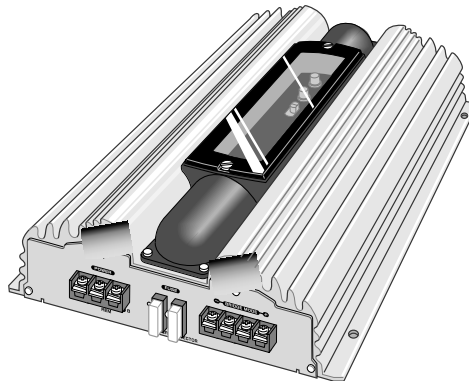


# JVC

# SERVICE MANUAL

POWER AMPLIFIER

## KS-AX4700



Area Suffix	
E ---	Continental Europe
J -----	Northern America

### Caution

If electricity is connected during disassembly, it must be a no load current. If it is load current, be sure to attach a heat sink to the power-amp IC. This will be damaged if the above precautions are not followed, as it does not have a sub heat sink attached to it.

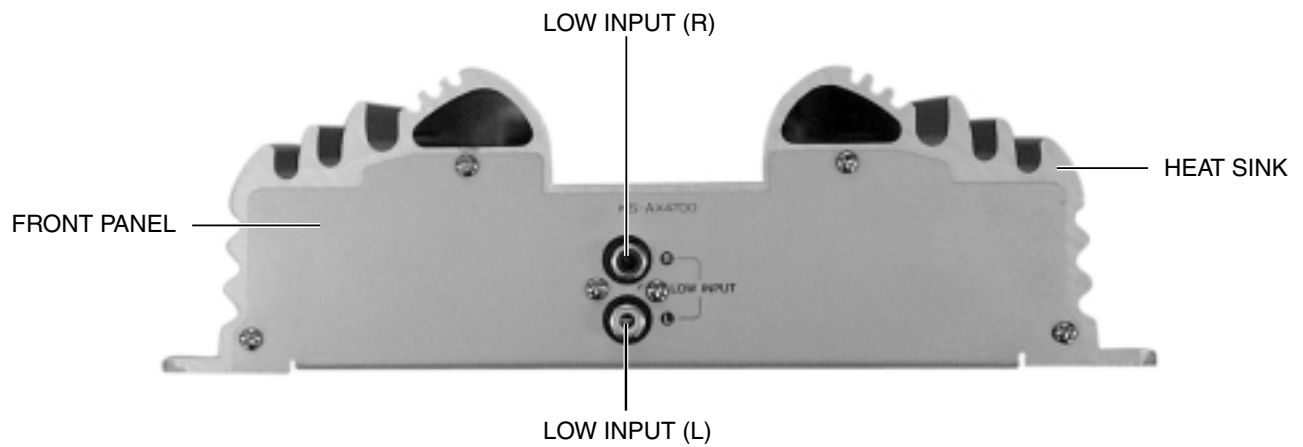
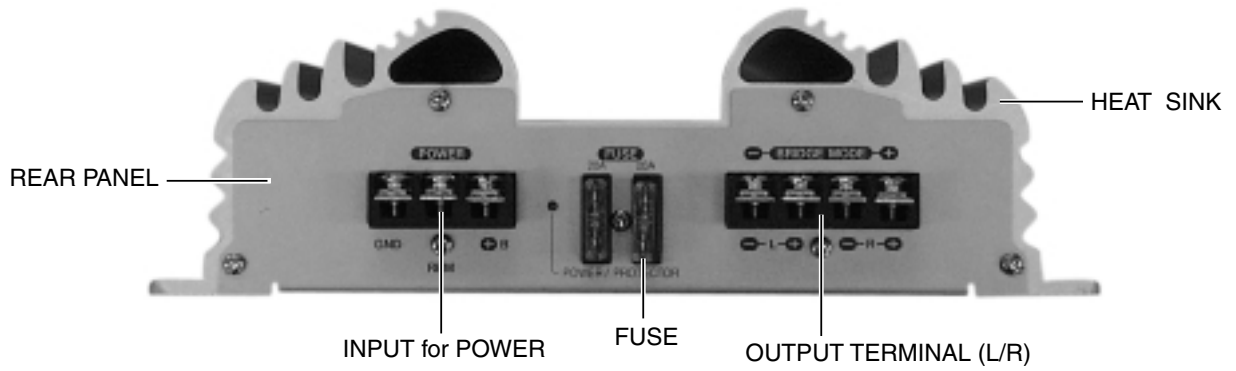
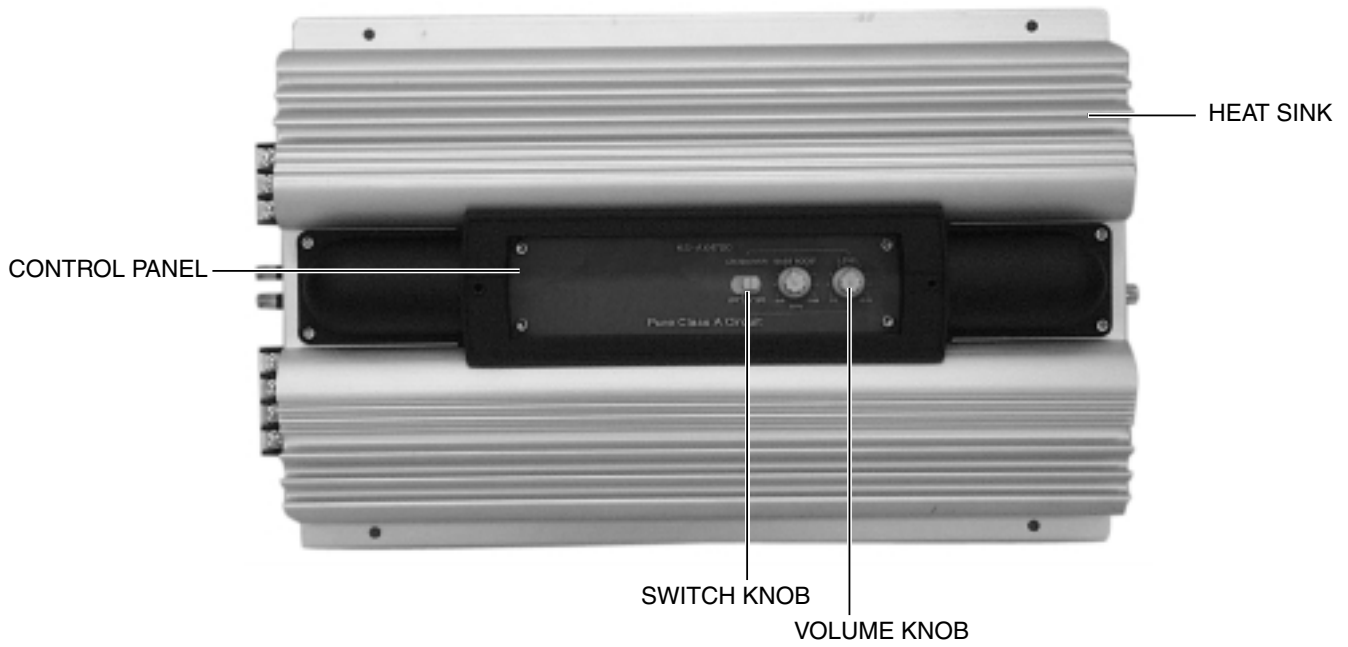
## Contents

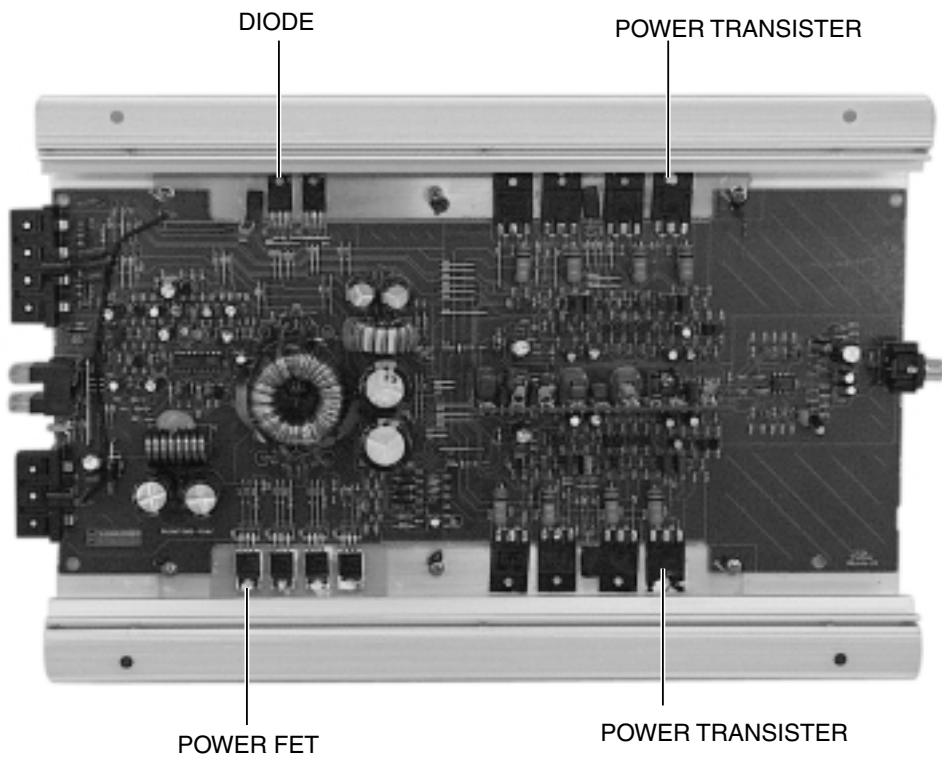
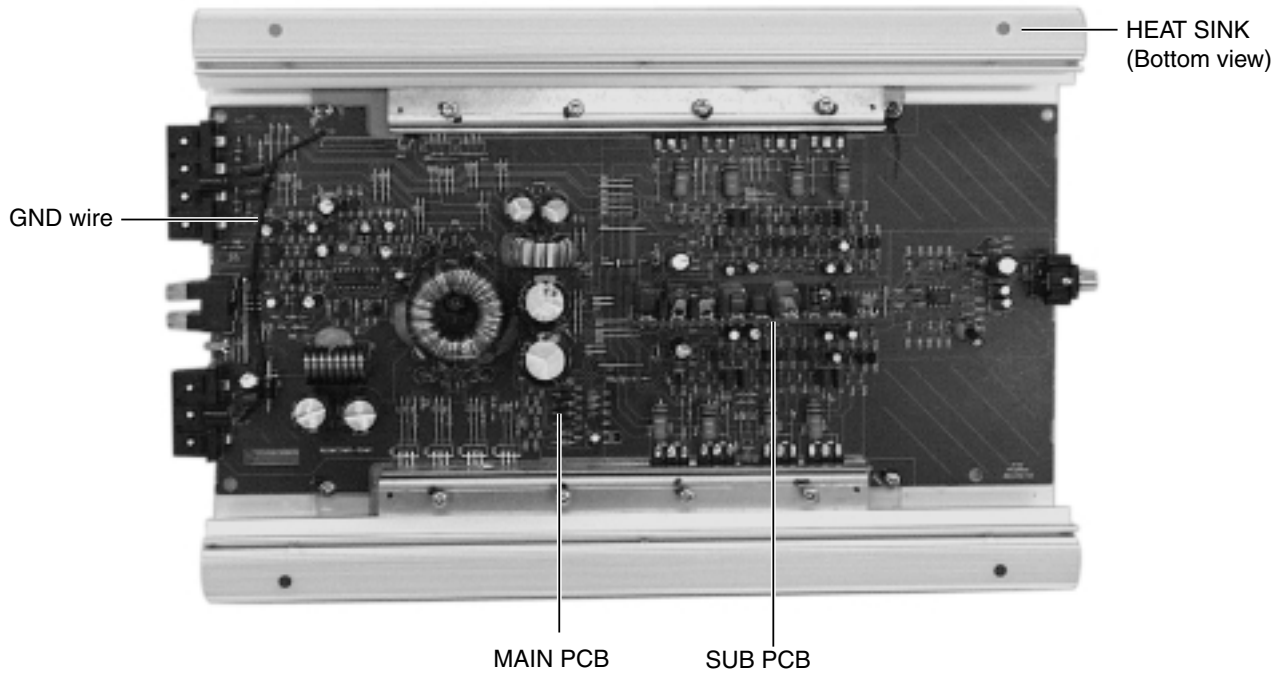
Safety precaution .....	1-2
Location of main parts .....	1-3
Removal of main parts .....	1-5
Test method .....	1-7
Description of major ICs .....	1-8



**CAUTION** Burrs formed during molding may be left over on some parts of the chassis. Therefore, pay attention to such burrs in the case of performing repair of this system.

# Location of main parts





## Removal of main parts

**CAUTION:** If electricity is connected during disassembly, it must be a no load current. If it is load current, be sure to attach a heat sink to the power-amp IC. This will be damaged if the above precautions are not followed, as it does not have a sub heat sink attached to it.

### ■ Removing the bottom cover (see Fig. 1)

1. From the bottom side of the main unit, remove the 4 screws A retaining the bottom cover.
2. Then remove the 6 screws B retaining the bottom cover.
3. Remove the bottom cover.

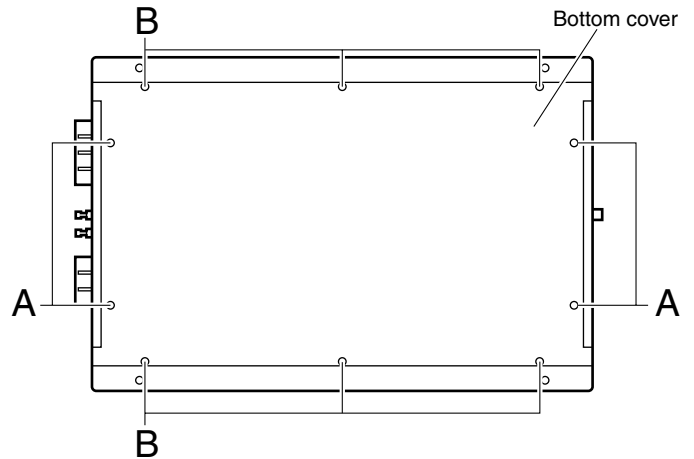


Fig. 1

### ■ Removing the MAIN PCB (see Fig. 2 to 8)

1. Remove the bottom cover from the main unit.
2. Loosen and remove the 2 screws C retaining the top plate on the main unit. (Stoppers are attached to the backs of the C screws so that they cannot be removed easily.)

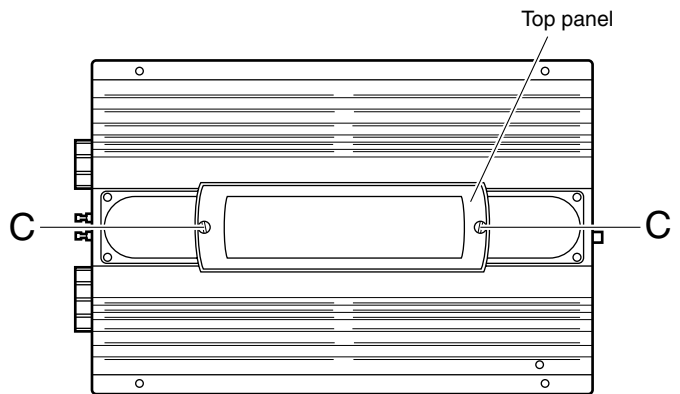


Fig. 2

3. Remove the 6 volume knobs on top of the control panel. If it cannot be pulled out easily, insert a rope or wire between the base of the volume knob and the control panel so that the volume knob is raised a little above the surface and then remove it.

**(Be careful when inserting a lever etc. not to scratch the surface of the control panel).**

4. Remove the 4 screws D retaining the control panel. Then detach the control panel and the switch knobs.

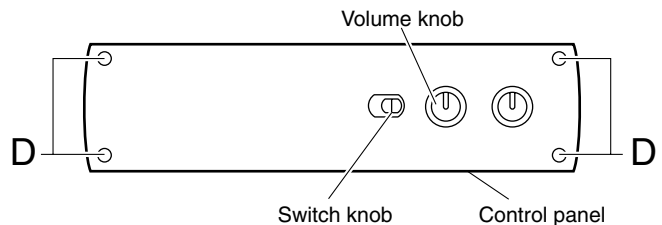


Fig. 3

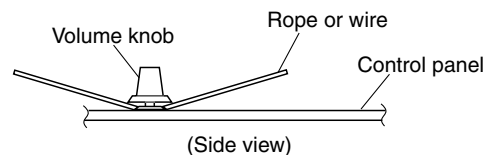


Fig. 4

5. Remove the 13 screws E retaining the panels on both sides of the main unit.

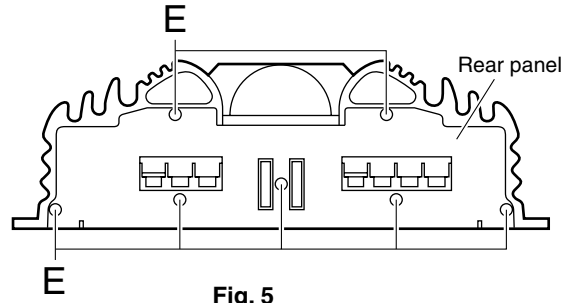


Fig. 5

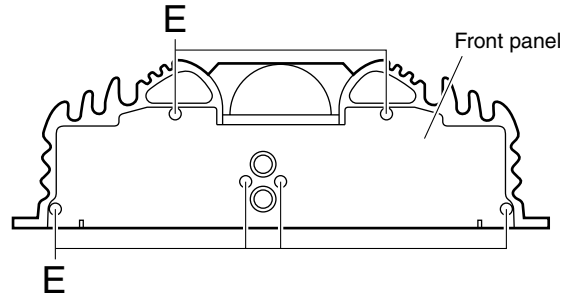


Fig. 6

6. Remove the 14 screws F attaching the MAIN PCB to the bottom of the main unit.

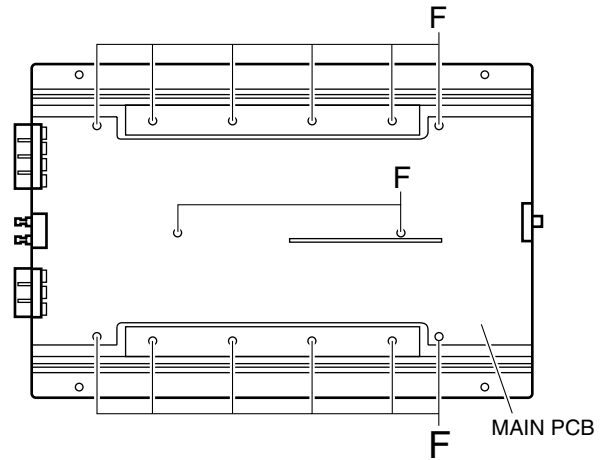
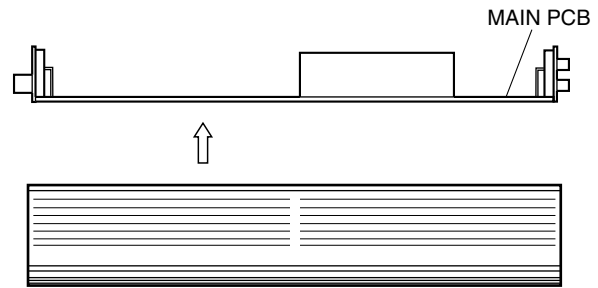


Fig. 7

7. Remove the MAIN PCB by lift up the arrow mark.



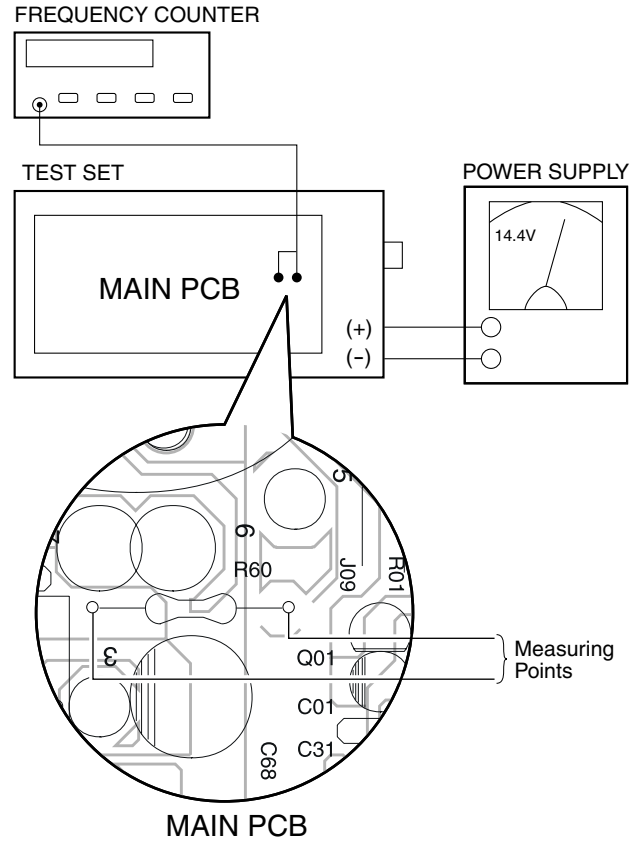
(Side view)

Fig. 8

# Test method

1. Check the voltage and frequency of the secondary toroidal coil.

FREQUENCY: 36.0kHz ± 50Hz  
 VOLTAGE VALUE: 75Vp-p ± 2.5V



2. Measure the secondary toroidal coil, if the standard frequency value of 36.0 kHz ± 50 Hz is not attained, measure the R60 terminal, then adjust the SV01 so that the R60 terminal becomes 36.0 kHz ± 50Hz.

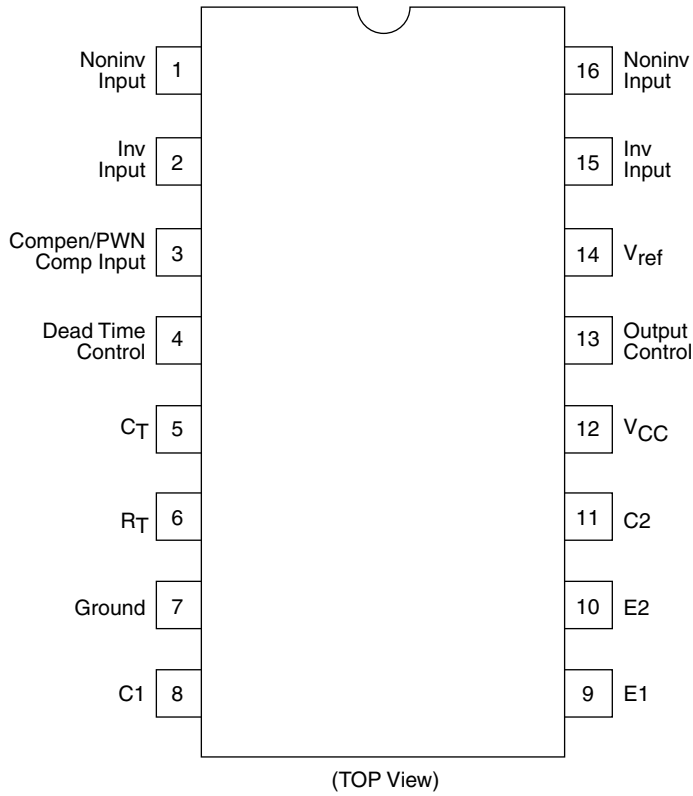
**Note: When measuring, adjust and apply power with no signal or load on each board.**

## DC/DC CONVERTER SECOND GENERATOR SWITCHING

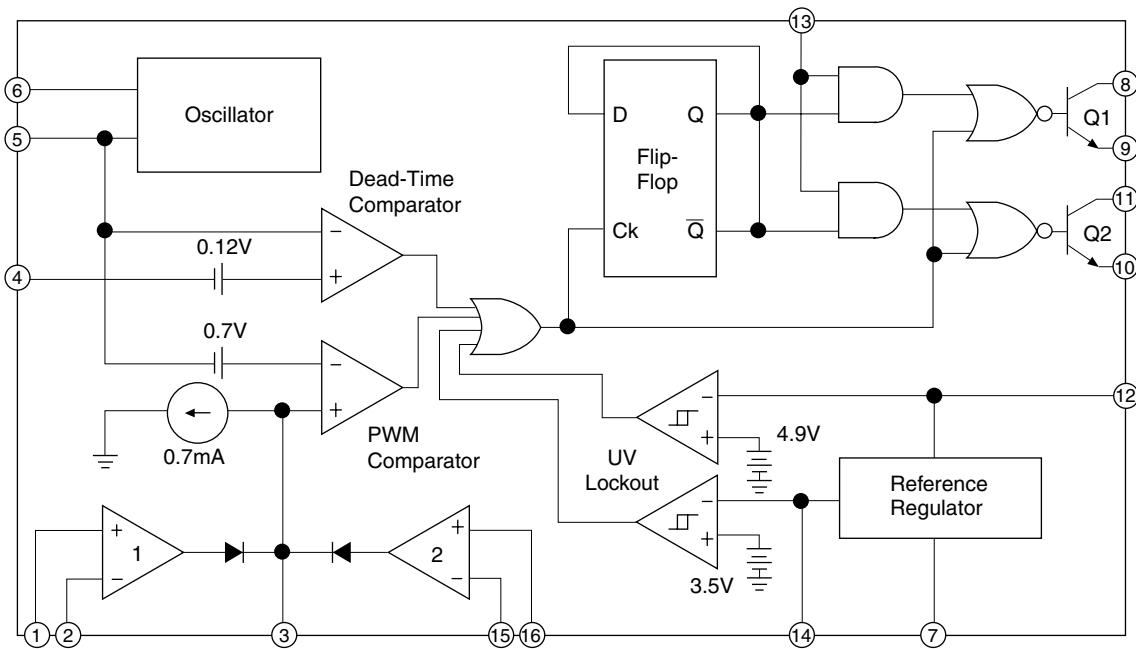
TEST ITEM	SPECIFICATION	CONDITION	
VOLTAGE TEST	75Vp-p±2.5V	OSCILLOSCOPE VOLT/DIV: 10 TIME/DIV: 10msec	
FREQUENCY CHECK	36.0KHz±50Hz		

# Description of major ICs

## PIN CONNECTIONS



## TL494





**JVC**

VICTOR COMPANY OF JAPAN, LIMITED

MOBILE ELECTRONICS DIVISION

PERSONAL & MOBILE NETWORK B.U. 10-1,1Chome,Ohwatari-machi,Maebashi-city,Japan