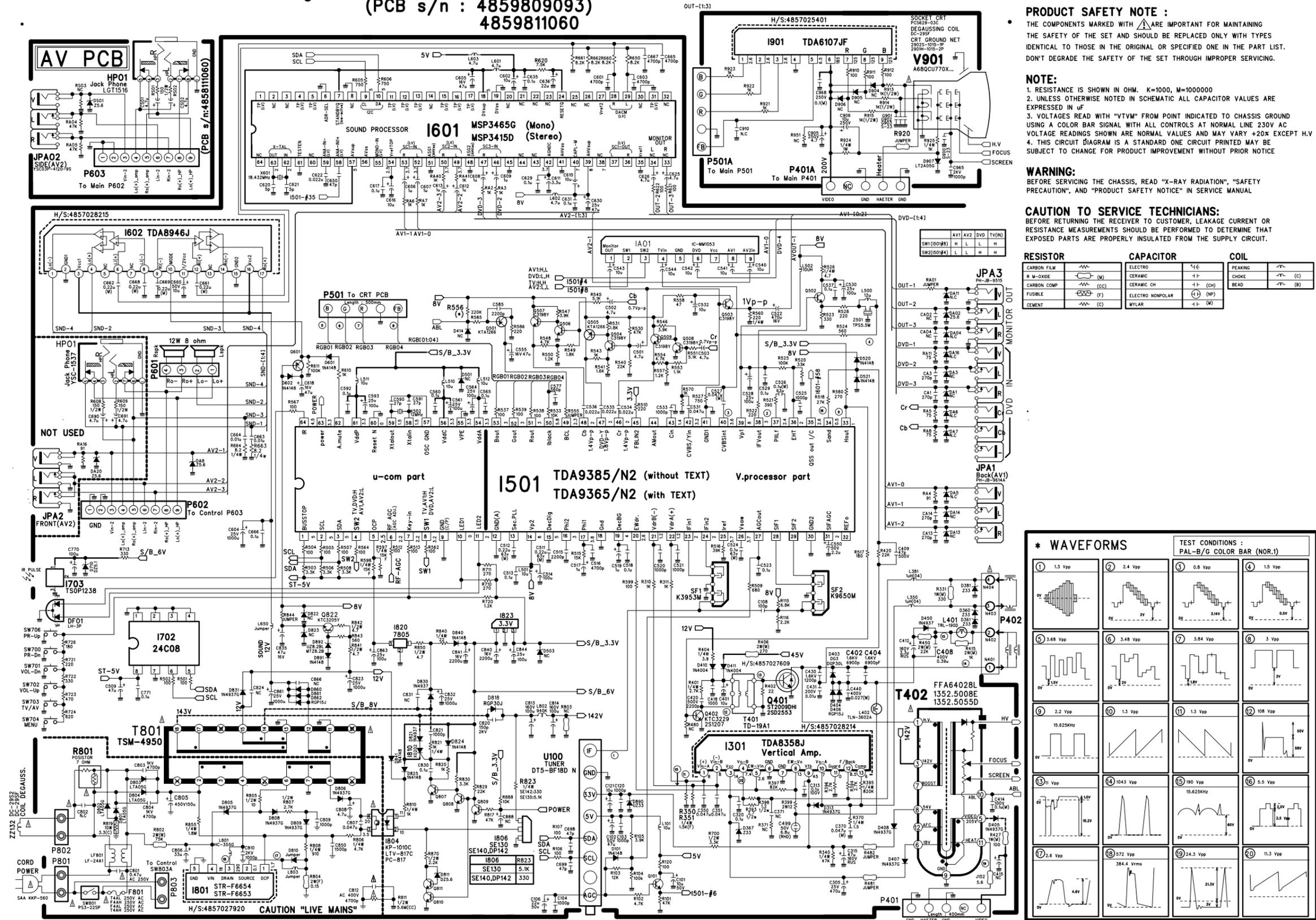


CP-785FSchematic Diagram (Ver.02-MP, 2005/01/24)  
 (PCB s/n : 4859809093)  
 4859811060



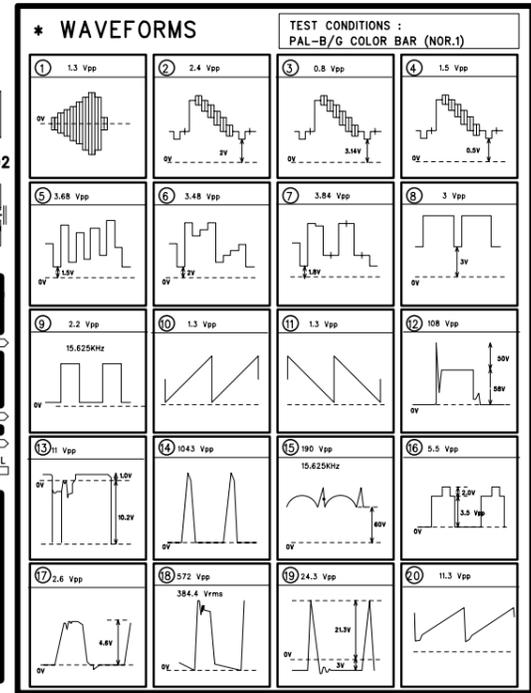
**PRODUCT SAFETY NOTE :**  
 THE COMPONENTS MARKED WITH  $\Delta$  ARE IMPORTANT FOR MAINTAINING THE SAFETY OF THE SET AND SHOULD BE REPLACED ONLY WITH TYPES IDENTICAL TO THOSE IN THE ORIGINAL OR SPECIFIED ONE IN THE PART LIST. DON'T DEGRADE THE SAFETY OF THE SET THROUGH IMPROPER SERVICING.

**NOTE:**  
 1. RESISTANCE IS SHOWN IN OHM. K=1000, M=1000000  
 2. UNLESS OTHERWISE NOTED IN SCHEMATIC ALL CAPACITOR VALUES ARE EXPRESSED IN  $\mu$ F  
 3. VOLTAGES READ WITH "VTVM" FROM POINT INDICATED TO CHASSIS GROUND USING A COLOR BAR SIGNAL WITH ALL CONTROLS AT NORMAL LINE 230V AC VOLTAGE READINGS SHOWN ARE NORMAL VALUES AND MAY VARY +20% EXCEPT H.V  
 4. THIS CIRCUIT DIAGRAM IS A STANDARD ONE CIRCUIT PRINTED MAY BE SUBJECT TO CHANGE FOR PRODUCT IMPROVEMENT WITHOUT PRIOR NOTICE

**WARNING:**  
 BEFORE SERVICING THE CHASSIS, READ "X-RAY RADIATION", "SAFETY PRECAUTION", AND "PRODUCT SAFETY NOTICE" IN SERVICE MANUAL

**CAUTION TO SERVICE TECHNICIANS:**  
 BEFORE RETURNING THE RECEIVER TO CUSTOMER, LEAKAGE CURRENT OR RESISTANCE MEASUREMENTS SHOULD BE PERFORMED TO DETERMINE THAT EXPOSED PARTS ARE PROPERLY INSULATED FROM THE SUPPLY CIRCUIT.

RESISTOR	CAPACITOR	COIL
CARBON FILM	ELECTRO	PEAKING
M M-OXIDE	CERAMIC	CHOKER
CARBON COMP	CERAMIC CH	BEAD
FUSIBLE	ELECTRO NONPOLAR	
CEMENT	MYLAR	



## **Alignment instructions**

### **Microcontroller configuration : Service mode**

To switch the TV set into service mode please see instruction below.

- 1 - Select pr. number 91
- 2 - Adjust sharpness to minimum value and exit all menu.
- 3 - Quickly press the key sequence : RED - GREEN - menu

To exit SERVICE menu press menu key or Operate(Std By) key.

In Service Mode press OK to stop the microcontroller i.e. the I2C bus is free and the set can be controlled by external equipment. Press OK again to allow the microcontroller to control the set again.