

# GTE SYLVANIA

## FACTORY PREPARED TECHNICAL SERVICE DATA

STEREO HI-FI  
SUPPLEMENT 7 TO  
BULLETIN: R53-3,-4,-7,-8

File with Bulletin: R53-3,-4,-7,-8.

SERVICE PUBLICATIONS DEPARTMENT  
Entertainment Products Group

700 Ellicott Street - Batavia, N.Y.

This supplement lists all code changes to date on the R53-3,-4,-7,-8 chassis.

<u>CODE</u>	<u>CHASSIS</u>	<u>PANEL CODE</u>	<u>DESCRIPTION OF CHANGE</u>
00	R53-3,-4,-7,-8		Initial Production.
01	R53-3,-4,-7,-8		TO LIMIT SURGE CURRENT IN OUTPUT TRANSISTORS - R811, R911 removed. R814, R914 value changed to 10K. R816, R916 value changed to 120 ohms. R818, R820, R918, R920 value changed to 1.5 ohms. SC806, SC808, SC906, SC908 removed.
02	R53-3,-4,-7,-8		TO PREVENT MULTIPLEX LATCH-UP AND INCREASE LAMP SENSITIVITY - C59 (.05, 50V) added from junction of pin 9, IC4 and R51 to ground. R51 value changed to 100 ohms. R62 value changed to 4.7K.
03	R53-3,-4,-7,-8		TO ENSURE HIGH RELIABILITY - Q810, Q910 changed to 13-34707-1. Q812, Q912 changed to 13-34706-1. R814, R914 value changed to 3.3K. R816, R822, R916, R922 value changed to 270 ohms. SC806, SC808, SC906, SC908 (13-26614-1) added from emitters of Q806, Q808 and Q906, Q908 to output buss.
04	R53-3,-4,-7,-8		TUNING SHAFT AND FLYWHEEL ASM. SUPPORT IMPROVEMENT - New front plate (89-34384-2). New tuning shaft and flywheel assembly (89-34536-2). Nylon bearing (70-14098-1) added.
05	R53-3,-4,-7,-8		FM STEREO BECOMES INOPERATIVE WHEN TUNING INTO SIGNAL - Pin 1 of L16 connected directly to pin 9, IC4 after R51, C59 on switched FM buss. C59 changed to 10MFD/15V Electrolytic. R52 variable changed to 150 ohm fixed resistor.
06	R53-3,-4,-7,-8		RF RADIATION FROM QUADRATURE DETECTOR - C47 (.01) added between pins 7 and 13 of IC2 on foil side of panel.
07	R53-3,-4,-7,-8		STEREO SEPARATION IMPROVEMENT - R554 (100 ohm) blend resistor removed.
08	R53-3,-4,-8		LINE LEAKAGE REDUCTION - C514, C516 removed. C502 (.005/150VAC) connected directly across AC input line.

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