

# GTE SYLVANIA

FACTORY PREPARED

## TECHNICAL SERVICE DATA

Entertainment Products Group

SERVICE PUBLICATIONS DEPARTMENT

700 Ellicott Street - Batavia, N.Y.

STEREO HI-FI  
SUPPLEMENT 4 TO  
BULLETIN: R74-3

File with Bulletin: R74-3.

Table lists all code changes to date on the R74-3,-4 chassis.

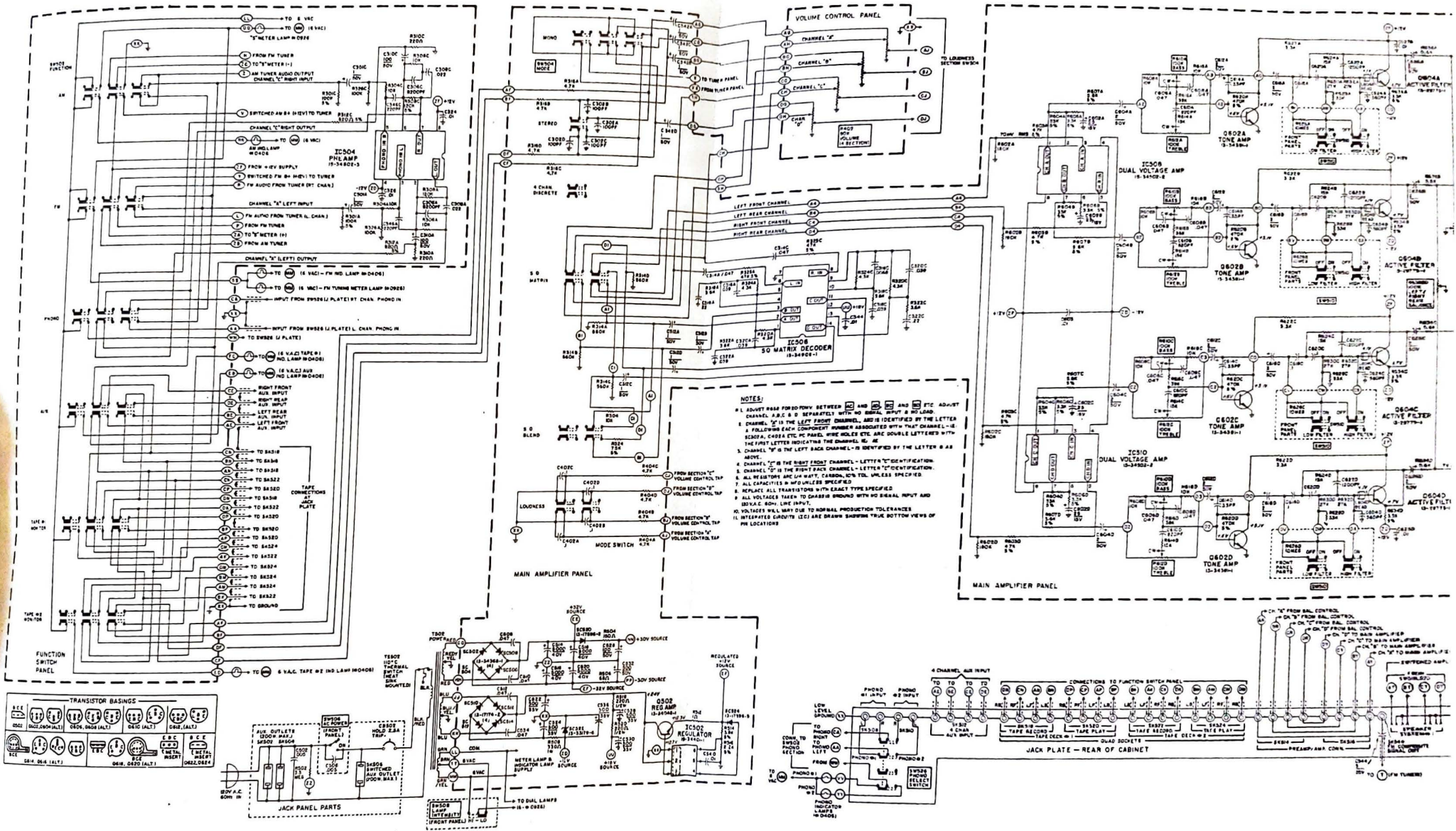
CODE	CHASSIS	PANEL CODE	DESCRIPTION OF CHANGE
00	ALL	-	INITIAL PRODUCTION.
01	-3		POWER AMPLIFIER OSCILLATION.
01	-4		1) 33pF, N150 capacitors added from Base to Collector of Q606 A,B,C,D on foil side of P/C panel.
02	-3		MULTIPLEX SEPARATION DEGRADES WITH TEMPERATURE CHANGE. 1) Cores replaced in T4 and T6.
02	-4	A	CHASSIS IDENTIFICATION ONLY. To provide a means to identify finished goods built with SQ chips with date codes of 7331 and 7332.
02	-4	B	IMPROVED SPEAKER PROTECTION. 1) CB602 replaced by 02-36800-1 relay panel. 2) C629 removed. 3) R640 removed. 4) C632 value changed to 3.3pF. 5) R639 value changed to 220K. 6) R648 value changed to 10K.
03	-3	-	RELAY TRIPS WHEN TUNING ACROSS FM BAND. (02-36800-1 PANEL REVISION). 1) C1204 value changed to 100MFD/15V - new part number is 41-32477-37. NOTE: All CODE A relay panels with this change prior to CODE B are identified by a RED STRIPE through the identification sticker.
			TO COMPLY WITH IHF AND INDUSTRY STANDARDS. 1) BLUE/WHITE/, RED/WHITE, BLUE and RED leads reversed on headphone jacks.  The industry standard is for LEFT channel audio to the TIP of the headphone plug, and RIGHT channel audio to the RING of the plug.

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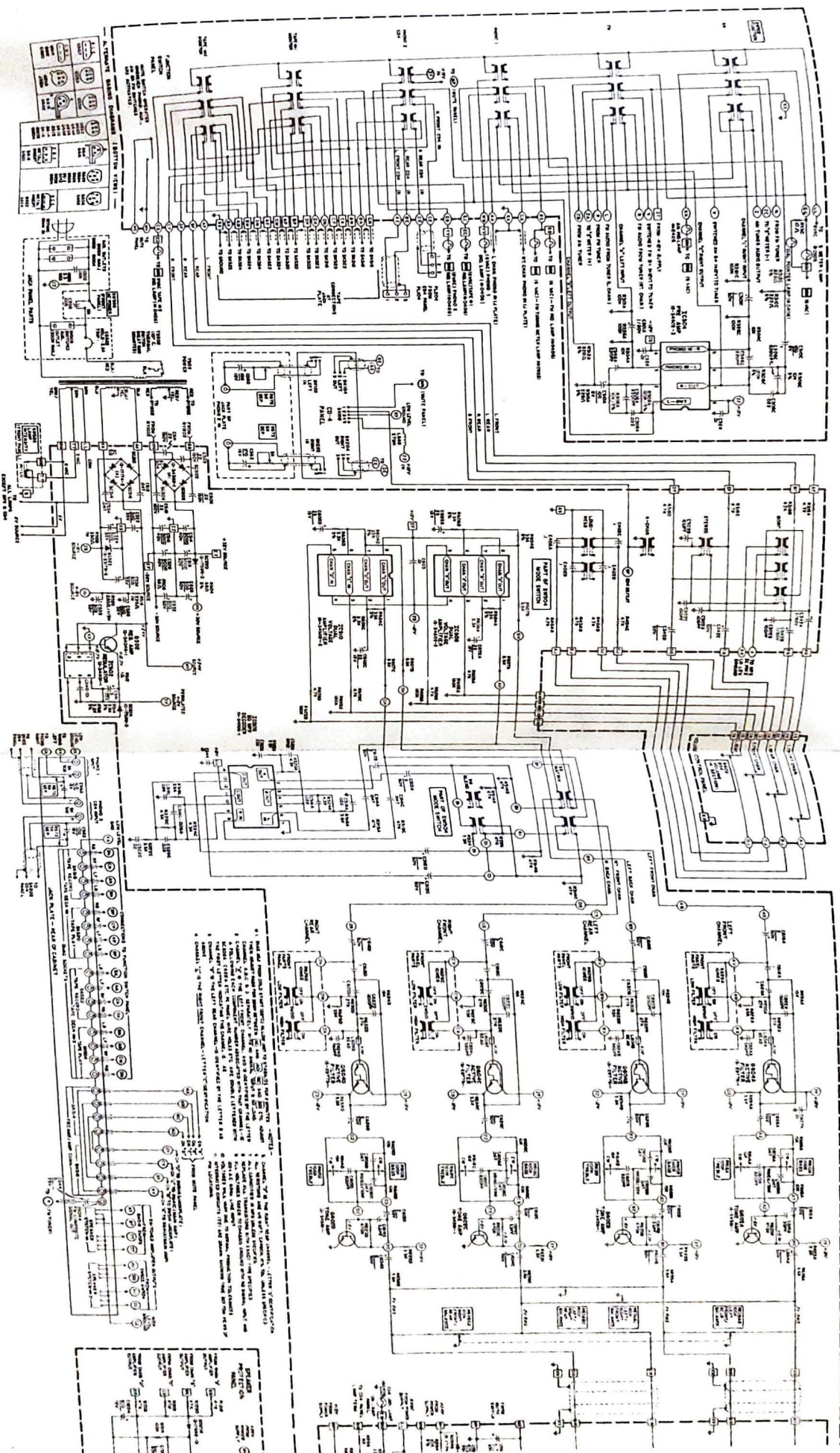
**IMPORTANT:** Avoid mistakes, order Sylvania parts by part number.

CODE	CHASSIS	PANEL CODE	DESCRIPTION OF CHANGE
03	-4	B	<p>POWER AMP NOISE PICKED UP IN AM MODE.</p> <ol style="list-style-type: none"> <li>1) C114 value changed to .05, 50V.</li> <li>2) C529 (.22, 150V) added from amplifier end of +32V buss to ground on foil side of P/C panel.</li> <li>3) C629 (10pF, NPO) added between Base and Collector of Q606 on foil side of panel.</li> </ol>
04	-3	-	<p>RF PICK-UP IN PHONO PREAMP</p> <ol style="list-style-type: none"> <li>1) C304 removed.</li> <li>2) C346A (1000pF, Z5P) added between pins No. 2 &amp; 3 of IC504.</li> <li>3) C346C (1000pF, Z5P) added between pins No. 5 &amp; 6 of IC 504.</li> </ol> <p>TO ELIMINATE POP WHEN SWITCHING FROM FM TO AM.</p> <ol style="list-style-type: none"> <li>1) C46 removed.</li> <li>2) R302A, C removed.</li> <li>3) R326A, C value changed to 100K.</li> <li>4) R63 (100K, 5%) added from wire hole L1 to ground.</li> <li>5) R65 (100K, 5%) added from wire hole R1 to ground.</li> <li>6) R149 (100K, 5%) added from square wire pin Z to ground.</li> <li>7) R301A (100K, 5%) added from + end of C301A to ground.</li> <li>8) R301C (100K, 5%) added from + end of C301C to ground.</li> </ol> <p>TO ELIMINATE POP WHEN SWITCHING FROM FM TO PHONO.</p> <ol style="list-style-type: none"> <li>1) C72 value changed to 1MFD/50V.</li> <li>2) C74 value changed to 1MFD/50V.</li> </ol> <p>TO FACILITATE BOARD ASSEMBLY.</p> <ol style="list-style-type: none"> <li>1) C108 (10MFD/15V Electrolytic) added from junction of R112, R114 to ground.</li> <li>2) Q604 part number changed to 13-29775-1.</li> </ol> <p>TO REDUCE SWITCH POP.</p> <ol style="list-style-type: none"> <li>1) C604 value changed to 2MFD/50V.</li> <li>2) R314 value changed to 47K, 5%.</li> <li>3) R607 value changed to 5.6K, 5%.</li> <li>4) R620 value changed to 470K, 5%.</li> <li>5) R634 value changed to 3.3K, 5%.</li> </ol>
04	-4	B	<p>FET RELIABILITY IMPROVEMENT.</p> <ol style="list-style-type: none"> <li>1) Q2 part number changed to 13-34378-3.</li> </ol>

SCHEMATIC DIAGRAM (R74-3 AMPLIFIER)







SCHEMATIC DIAGRAM (R744 AMPLIFIER)

