GENERAL ELECTRIC

MODELS
P852A
P853A
P8522A
P8523A

ALIGNMENT

SET VOLUME CONTROL AT MAXIMUM
CONNECT OUTPUT METER OR SCOPE ACROSS VOICE COIL
INDUCTIVELY COUPLE SIGNAL GENERATOR TO RECEIVER

*SPECIAL INSTRUCTIONS WHEN:
TR1 IS RS 3322
TR2 IS RS 3323
TR3 IS RS 3324
TR5 IS RS 3316-1 OR 2
R6 - 39K
R7 - 1.5K CONNECTED FROM GRND TO BASE OF TR3
R10 - 6.8K
R15 {-39K WHEN TR5 IS RS 3316-1 OR RS 3310
{-56K WHEN TR5 IS RS 3316-2

C8 - DELETE

NOTES

1. UNLESS OTHERWISE NOTED:
   CAPACITORS MORE THAN 1 = MMF
   CAPACITORS LESS THAN 1 = MF
   RESISTORS ARE 1/4 WATT & K = 1000
2. VOLTAGES & CURRENT READINGS ARE AVERAGE UNDER NO SIGNAL CONDITIONS. VOLTAGES ARE NEGATIVE WITH RESPECT TO GROUND.
3. REPLACE WITH TRANSISTOR TYPES SHOWN, OR ORDER BY CATALOG NUMBER AS LISTED IN PARTS LISTS.
4. TR6 & 7 NPN - CONNECT C TO D & A TO B.
   TR6 & 7 PNP - CONNECT A TO D & C TO B.
5. SCHEMATIC SHOWN FOR GRP 1 TRANSISTORS.

CHASSIS REMOVAL

1. Remove cabinet back (with 1/8" tip screwdriver).
2. Remove two hex-head screws holding circuit board to cabinet front (with 1/8" Xcelite P4 spintite or equivalent).
3. Remove earphone jack by unscrewing knurled nut counterclockwise on cabinet top.
4. Tilt up volume control side of chassis board and lift out of cabinet front.

NOTE: Earphone jack must be inserted through fishpaper insulator and bushings before mounting jack to cabinet.

TROUBLESHOOTING

A check of battery condition and total current drain of the receiver should be made first. All current measurements are made at quiescence with the receiver turned on, volume control at minimum, tuning gang closed, and with no-signal conditions.

The total receiver current drain is 8 to 12 mils. This is measured by inserting a milliammeter in series with the batteries.

If an excessive total current drain is recorded, the individual collector currents of each transistor should be checked.

TRANSISTOR LIST

	GROUP 1	GROUP 2
TR1	RS2690	RS3322
TR2	RS2691	RS3323
TR3	RS2692	RS3324
TR4	RS3308	RS3308
	RS2697	RS2697
TR5	RS2689	RS3316-1
		RS3316-2
		RS3310
TR6 }	2N1059	2N1059
TR7 }	RS3318	RS3318