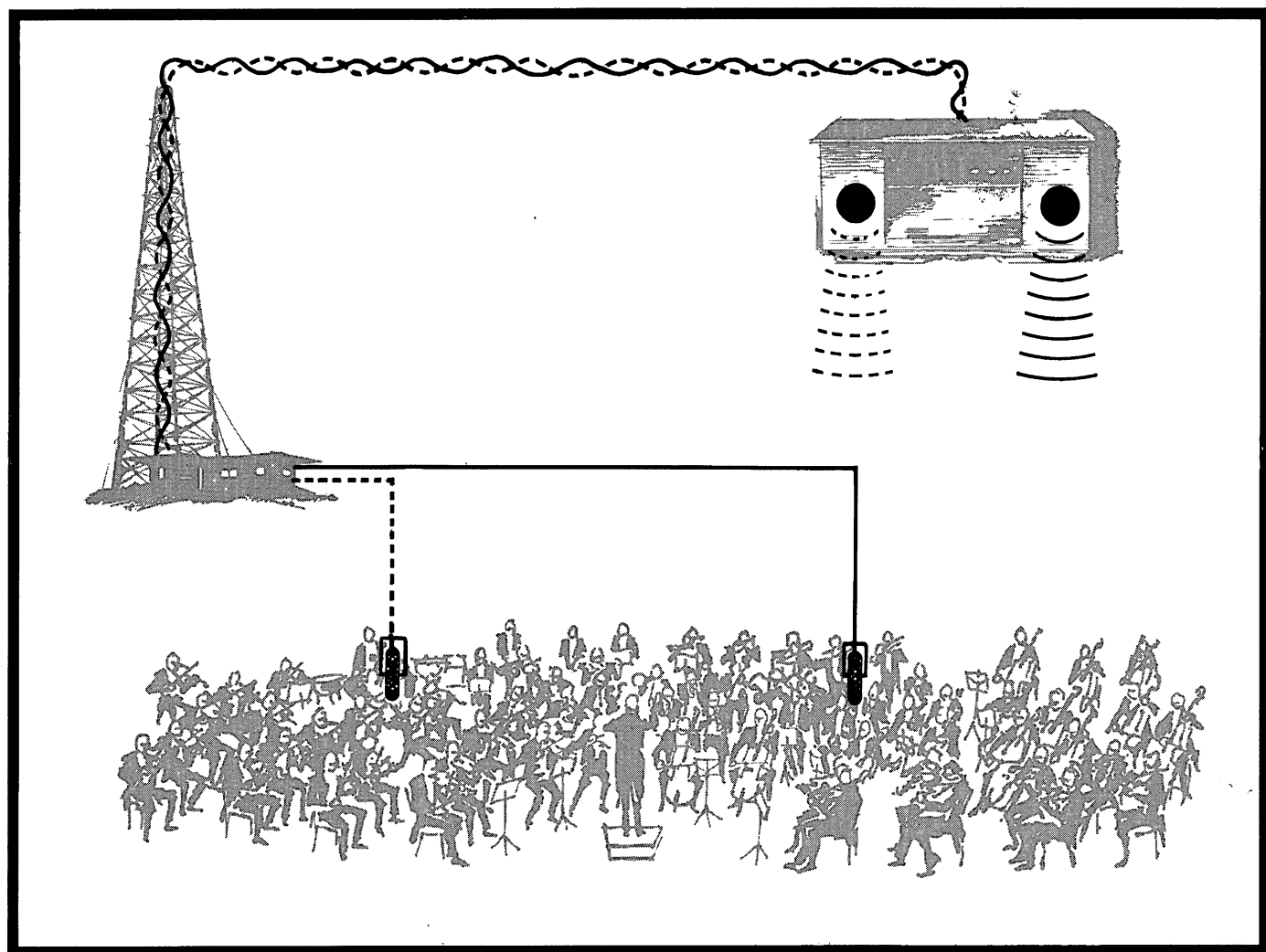




SERVICE MANUAL



HIGH FIDELITY AND STEREO FM MODELS

ZENITH RADIO CORPORATION

1900 N. AUSTIN AVENUE

CHICAGO, ILLINOIS 60639

PRICE \$2.50

HF 16 PART NO. 923-493

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FEATURES OF HIGH FIDELITY & STEREO FM MODELS

MODEL NO.	CABINET				CHASSIS			SPEAKER		
	STYLE	MATERIAL	FINISH	COLOR	MODEL	TYPE	EIA POWER OUTPUT	PART NO.	V.C. IMPEDANCE	SIZE (IN.)
Y504B	Table (w/handle) (lift lid)	Plastic	Textured Plastic	Blue & White	1Y20	1 Tube Phono Only	---	49-1096	3.2	4
Y504D	Table (w/handle) (lift lid)	Plastic	Textured Plastic	Red & White	1Y20	1 Tube Phono Only	---	49-1096	3.2	4
Y504P	Table (w/handle) (lift lid)	Plastic	Textured Plastic	Yellow & White	1Y20	1 Tube Phono Only	---	49-1096	3.2	4
Y504V	Table (w/handle) (lift lid)	Plastic	Textured Plastic	Red & White	1Y20	1 Tube Phono	---	49-1096	3.2	4
Y506L	Table (w/handle) (lift lid)	Plastic	Textured Plastic	Beige & White	2YT23	2 Transistor Phono Only	---	49-1096	3.2	4
Y506C	Table (w/handle) (lift lid)	Plastic	Textured Plastic	Charcoal Brown & Off White	2YT23	2 Transistor Phono Only	---	49-1096	3.2	4
Y506J	Table (w/handle) (lift lid)	Plastic	Textured Plastic	Brown & Beige	2YT23	2 Transistor Phono Only	---	49-1096	3.2	4
X508L	Table (w/handle) (lift lid)	Plastic	Textured Plastic	Beige	1N21	1 Tube Phono Only	---	349-3	3.2	4
X508W	Table (w/handle) (lift lid)	Plastic	Textured Plastic	Off White	1N21	1 Tube Phono Only	---	349-3	3.2	4
X508B	Table (w/handle) (lift lid)	Plastic	Textured Plastic	Blue	1N21	1 Tube Phono Only	---	349-3	3.2	4
X510J	Table (w/handle) (lift lid)	Plastic	Textured Plastic	Walnut Brown & Ivory	2NT20 or 2NT20Z	2 Transistor Phono Only	---	349-3	3.2	4
X510F	Table (w/handle) (lift lid)	Plastic	Textured Plastic	Light Olive & Off White	2NT20 or 2NT20Z	2 Transistor Phono Only	---	349-3	3.2	4
X512C	Table (w/handle) (lift lid)	Plastic	Textured Plastic	Gray Metallic & Black	4NT22 or 3YT22	4 Transistor Phono Only (Battery/AC)	---	49-1090	3.2	4 x 6
X512P	Table (w/handle) (lift lid)	Plastic	Textured Plastic	Pale Gold Metallic & Light Gray	4NT22 or 3YT22	4 Transistor Phono Only (Battery/AC)	---	49-1090	3.2	4 x 6
X525B	Table (w/handle) (lift lid)	Plastic	Textured Plastic	Blue & White	2NT21 2NT22	Transistor Phono & AM Radio	---	49-1039	3.2	4
X525W	Table (w/handle) (lift lid)	Plastic	Textured Plastic	Off White & White	2NT21 2NT22	Transistor Phono & AM Radio	---	49-1039	3.2	4
X525P	Table (w/handle) (lift lid)	Plastic	Textured Plastic	Ochre & Off White	2NT21 2NT22	Transistor Phono & AM Radio	---	49-1039	3.2	4
X540G1	Table (w/handle)	Wood	Plastic Coated Paper	Amoy & Blue	Waters Conley	8 Transistor Phono Only	---	964-20073	16.	2-4 x 6
X540L1	Table (w/handle)	Wood	Plastic Coated Paper	Scandia & Black	Waters Conley	8 Transistor Phono Only	---	964-20073	16.	2-4 x 6
X547X1	Table (w/handle) (Latched Speaker Enclosure)	Wood	Plastic Coated	Pearl Finish, Accent White & Walnut	Waters Conley	8 Transistor Phono Only	---	964-20082	16.	2-5 x 7

FEATURES OF HIGH FIDELITY & STEREO FM MODELS

RECORD CHANGER (SEE NOTES)				CONTROL PANEL	INDICATOR LIGHT	TAPE DECK	RECORD STORAGE	REMOTE SPEAKER
TYPE	MOUNTING	CARTRIDGE	STYLUS					
Manual Player	Shelf	142-161	Sapphire	None	No	None	None	None
Manual Player	Shelf	142-161	Sapphire	None	No	None	None	None
Manual Player	Shelf	142-161	Sapphire	None	No	None	None	None
Manual Player	Shelf	142-161	Sapphire	None	No	None	None	None
Manual Player	Shelf	142-161	Sapphire	None	No	None	None	None
Manual Player	Shelf	142-161	Sapphire	None	No	None	None	None
Manual Player	Shelf	142-161	Sapphire	None	No	None	None	None
169-279	Shelf	142-149	Sapphire Sapphire	Metal Plate	No	None	None	None
169-279	Shelf	142-149	Sapphire Sapphire	Metal Plate	No	None	None	None
169-278	Shelf	142-149	Sapphire Sapphire	Metal Plate	No	None	None	None
169-284	Shelf	142-157 or 142-149	Sapphire Sapphire	Metal Plate	No	None	None	None
169-284	Shelf	142-157 or 142-149	Sapphire Sapphire	Metal Plate	No	None	None	None
169-277	Shelf	142-149	Sapphire Sapphire	Metal Plate	No	None	None	None
169-277	Shelf	142-149	Sapphire Sapphire	Metal Plate	No	None	None	None
169-297	Shelf	142-149	Sapphire Sapphire	Metal Plate	No	None	None	None
169-298	Shelf	142-149	Sapphire Sapphire	Metal Plate	No	None	None	None
169-298	Shelf	142-149	Sapphire Sapphire	Metal Plate	No	None	None	None
169-288	Hinged Panel	142-148	Sapphire Sapphire	Hot Stamped on Cabinet	No	None	None	None
169-275	Hinged Panel	142-148	Sapphire Sapphire	Hot Stamped on Cabinet	No	None	None	None
169-275	Hinged Panel	142-148	Sapphire Sapphire	Metal Plate	No	None	None	None

FEATURES OF HIGH FIDELITY & STEREO FM MODELS

MODEL NO.	CABINET				CHASSIS			SPEAKER		
	STYLE	MATERIAL	FINISH	COLOR	MODEL	TYPE	EIA POWER OUTPUT	PART NO.	V.C. IMPEDANCE	SIZE (IN.)
X547P1	Table (w/handle) (Latched Speaker Enclosure)	Wood	Plastic Coated Paper	Metallic Pale Gold & Gray	Waters Conley	8 Transistor Phono Only	---	964-20082	16.	2-5 x 7
X552G1	Table (w/handle) (Hinged Speaker Enclosures)	Fibrit	Textured Vinyl	Light Grey	6YT21	6 Transistor Phono Only	---	49-1084	3.2	2-6 1/2
X552J1	Table (w/handle) (Hinged Speaker Enclosures)	Fibrit	Textured Vinyl	Olive Brown	6YT21	6 Transistor Phono Only	---	49-1084	3.2	2-6 1/2
X554C1	Table (w/handle) (Hinged Speaker Enclosures)	Fibrit	Textured Vinyl	Colonial Black	6XT20	6 Transistor Phono	---	49-1111 49-978	3.2 45.	2-6 x 9 2-3 1/2
X554P1	Table (w/handle) (Hinged Speaker Enclosures)	Fibrit	Textured Vinyl	Pearl Beige	6XT20	6 Transistor Phono Only	---	49-1111 49-978	3.2 45.	2-6 x 9 2-3 1/2
X560W1	Table (w/handle) (Hinged Speaker Enclosures)	Wood	Plastic Coated Cloth	Walnut	Waters Conley	10 Transistor Phono Only	16W.	964-18016 964-49189 964-16237	8. 6.4 34.	2-8 2-4 2-3 1/2
X562W	Table (w/handle) (Hinged Speaker Enclosures)	Wood & Fibrit	Vinyl	Walnut & Brown	10NT01	10 Transistor Phono Only	16W.	49-830 49-1089 49-978	6.4 6.4 45.	3 x 14 2-5 1/4 2-3 1/2
X562Y	Table (w/handle) (Hinged Speaker Enclosures)	Wood & Fibrit	Vinyl	Black & White	10NT01	10 Transistor Phono Only	16W.	49-830 49-1089 49-978	6.4 6.4 45.	3 x 14 2-5 1/4 2-3 1/2
Y587W	Table (w/handle) (Hinged Speaker Enclosures)	Wood	Vinyl	Walnut	18YT20	Phono-AM-FM	16W.	49-978 49-1117	45. 16.	2-3 1/2 2-8
Y565W	Table (lift lid) (circle of Sound Speakers)	Wood	Vinyl	Walnut	10XT26	Phono Only	40W.	49-1116	6.4	2-6
Y804W	Console (lift lid)	Wood	Wood	Walnut	8YT02 6YT01	Phono-AM-FM	8W.	49-1094 49-1063	45. 16.	2-3 1/2 2-6 x 9
Y910W	Console (lift lid)	Wood	Wood	Walnut	18YT20Z	Phono-AM-FM	16W.	49-1094 49-1063	45. 16.	2-3 1/2 2-6 x 9
Y914M	Console (lift lid)	Wood	Wood	Maple	18YT20Z	Phono-AM-FM	16W.	49-1094 49-1063	45. 16.	2-3 1/2 2-6 x 9
Y920W	Console (lift lid)	Wood	Wood	Walnut	20YT20Z	Phono-AM-FM	30W.	49-1094 49-1097	45. 10.	4-3 1/2 2-10
Y922R	Console (lift lid)	Wood	Wood	Mahogany	20YT20Z	Phono-AM-FM	30W.	49-1094 49-1097	45. 10.	4-3 1/2 2-10
Y922H	Console (lift lid)	Wood	Wood	Cherry	20YT20Z	Phono-AM-FM	30W.	49-1094 49-1097	45. 10.	4-3 1/2 2-10
Y924M	Console (lift lid)	Wood	Wood	Maple	20YT20Z	Phono-AM-FM	30W.	49-1094 49-1097	45. 10.	4-3 1/2 2-10

FEATURES OF HIGH FIDELITY & STEREO FM MODELS

RECORD CHANGER (SEE NOTES)				CONTROL PANEL	INDICATOR LIGHT	TAPE DECK	RECORD STORAGE	REMOTE SPEAKER
TYPE	MOUNTING	CARTRIDGE	STYLUS					
169-275	Hinged Panel	142-148	Sapphire Sapphire	Metal Plate	No	None	None	None
169-335	Hinged Panel	142-162	Diamond Sapphire	Metal Plate	No	None	None	None
169-336	Hinged Panel	142-162	Diamond Sapphire	Metal Plate	No	None	None	None
169-342	Hinged Panel	142-163	Diamond Sapphire	Metal Plate	No	None	None	None
169-341	Hinged Panel	142-163	Diamond Sapphire	Metal Plate	No	None	None	None
169-345	Shelf	142-163	Diamond Sapphire	Metal Plate	No	None	None	None
169-341	Shelf	142-163	Diamond Sapphire	Plastic Escutcheon	No	None	None	None
169-342	Shelf	142-163	Diamond Sapphire	Plastic Escutcheon	No	None	None	None
169-321	Hinged Panel	142-163	Diamond Sapphire	Die-Cast Escutcheon	No	None	None	None
169-343	Shelf	142-163	Diamond Sapphire	Plastic Escutcheon	No	None	None	None
169-344	Shelf	142-163	Diamond Sapphire	Plastic Escutcheon	No	None	Yes	None
169-344	Shelf	142-163	Diamond Sapphire	Die-Cast Escutcheon	No	None	Yes	None
169-344	Shelf	142-163	Diamond Sapphire	Die-Cast Escutcheon	No	None	Yes	None
169-331	Shelf	142-163	Diamond Sapphire	Die-Cast Escutcheon	No	Y635W	Yes	None
169-331	Shelf	142-163	Diamond Sapphire	Die-Cast Escutcheon	No	Y635W	Yes	None
169-331	Shelf	142-163	Diamond Sapphire	Die-Cast Escutcheon	No	Y635W	Yes	None
169-331	Shelf	142-163	Diamond Sapphire	Die-Cast Escutcheon	No	Y635W	Yes	None

FEATURES OF HIGH FIDELITY & STEREO FM MODELS

MODEL NO.	CABINET				CHASSIS			SPEAKER		
	STYLE	MATERIAL	FINISH	COLOR	MODEL	TYPE	EIA POWER OUTPUT	PART NO.	V.C. IMPEDANCE	SIZE (IN.)
Y928W	Console (Sliding Doors)	Wood	Wood	Walnut	20YT20Z	Phono-AM-FM	30W.	49-1094 49-1042 49-1097	45. 6.4 10.	2-3 1/2 2-horn 2-10
Y931W	Console (lift lid) (Pivotal Louver Doors)	Wood	Wood	Walnut	20YT20	Phono-AM-FM	30W.	49-1094 49-1042 49-1097	45. 6.4 10.	2-3 1/2 2-horn 2-10
Y932H	Console (lift lid) (Pivotal Louver Doors)	Wood	Wood	Cherry	20YT20	Phono-AM-FM	30W.	49-1094 49-1042 49-1097	45. 6.4 10.	2-3 1/2 2-horn 2-10
Y934M	Console (lift lid) (Pivotal Louver Doors)	Wood	Wood	Maple	20YT20	Phono-AM-FM	30W.	49-1094 49-1042 49-1097	45. 6.4 10.	2-3 1/2 2-horn 2-10
Y936H	Console (lift lid)	Wood	Wood	Cherry	20YT20	Phono-AM-FM	30W.	49-1094 49-1042 49-1097	45. 6.4 10.	2-3 1/2 2-horn 2-10
Y940W	Console (lift lid)	Wood	Wood	Walnut	26YT20	Phono-AM-FM	70W.	49-1094 49-1042 49-1045	45. 6.4 6.4	4-3 1/2 2-horn 2-12
Y942M	Console (lift lid)	Wood	Wood	Maple	26YT20	Phono-AM-FM	70W.	49-1094 49-1092 49-1045	45. 6.4 6.4	4-3 1/2 2-horn 2-12
Y946DE	Console (lift lid)	Wood	Wood	Dark oak	26YT20	Phono-AM-FM	70W.	49-1094 49-1092 49-1045	45. 6.4 6.4	4-3 1/2 2-horn 2-12
Y951W	Console (lift lid)	Wood	Wood	Walnut	26YT21	Phono-AM-FM	70W.	49-1123 49-1128	6.4 6.4	2-8 2-12
Y955H	Console (lift lid)	Wood	Wood	Cherry	26YT21	Phono-AM-FM	70W.	49-1123 49-1128	6.4 6.4	2-8 2-12
Y960W	Console (lift lid) (Pivotal Louver Doors)	Wood	Wood	Walnut	23YT124 6YT24	Phono-AM-FM	160W.	49-1094 49-1004 49-1073	45. 8. 6.4	4-3 1/2 2-horn 2-15
Y962H	Console (lift lid)	Wood	Wood	Cherry	23YT124 6YT24	Phono-AM-FM	160W.	49-1094 49-1004 49-1073	45. 8. 6.4	4-3 1/2 2-horn 2-15
Y964H	Console (lift lid)	Wood	Wood	Cherry	23YT124 6YT24	Phono-AM-FM	160W.	49-1094 49-1004 49-1073	45. 8. 6.4	4-3 1/2 2-horn 2-15
Y966DE	Console (lift lid) (Pivotal (Louver Doors).	Wood	Wood	Dark oak	23YT124 6YT24	Phono-AM-FM	160W.	49-1094 49-1004 49-1073	45. 8. 6.4	4-3 1/2 2-horn 2-15
Y968M	Console (lift lid)	Wood	Wood	Maple	23YT124 6YT24	Phono-AM-FM	160W.	49-1094 49-1004 49-1073	45. 8. 6.4	4-3 1/2 2-horn 2-15
YT960W	Console (lift lid) (Pivotal Louver Doors) Pop Up Tape Re- corder	Wood	Wood	Walnut	23YT124 6YT24	Phono-AM-FM Tape	160W.	49-1094 49-1004 49-1073	45. 8. 6.4	4-3 1/2 2-horn 2-15

FEATURES OF HIGH FIDELITY & STEREO FM MODELS

RECORD CHANGER (SEE NOTES)				CONTROL PANEL	INDICATOR LIGHT	TAPE DECK	RECORD STORAGE	REMOTE SPEAKER
TYPE	MOUNTING	CARTRIDGE	STYLUS					
169-331	Shelf	142-163	Diamond Sapphire	Die-Cast Escutcheon	No	Y633 or Y635W	Yes	S9014w or S9017w
169-331	Shelf	142-163	Diamond Sapphire	Die-Cast Escutcheon	No	Y633 or Y635w	Yes	S9014w or S9017w
169-331	Shelf	142-163	Diamond Sapphire	Die-Cast Escutcheon	No	Y633 or Y635w	Yes	S9014w or S9017w
169-331	Shelf	142-163	Diamond Sapphire	Die-Cast Escutcheon	No	Y633 or Y635w	Yes	S9014w or S9017w
169-331	Shelf	142-163	Diamond Sapphire	Die-Cast Escutcheon	No	Y633 or Y635w	Yes	S9014w or S9017w
169-331	Shelf	142-163	Diamond Sapphire	Die-Cast Escutcheon	Yes	Y633 or Y635w	Yes	S9014w or S9017w
169-331	Shelf	142-163	Diamond Sapphire	Die-Cast Escutcheon	Yes	Y633 or Y635w	Yes	S9014w or S9017w
169-331	Shelf	142-163	Diamond Sapphire	Die-Cast Escutcheon	Yes	Y633 or Y635w	Yes	S9014w or S9017w
169-331	Shelf	142-163	Diamond Sapphire	Die-Cast Escutcheon	Yes	Y633 or Y635w	Yes	S9014w or S9017w
169-331	Shelf	142-163	Diamond Sapphire	Die-Cast Escutcheon	Yes	Y633 or Y635w	Yes	S9014w or S9017w
169-332	Shelf	142-163	Diamond Sapphire	Die-Cast Escutcheon	Yes	Y633 or Y635w	Yes	S9014w or S9017w
169-332	Shelf	142-163	Diamond Sapphire	Die-Cast Escutcheon	Yes	Y633 or Y635w	Yes	S9014w or S9017w
169-332	Shelf	142-163	Diamond Sapphire	Die-Cast Escutcheon	Yes	Y633 or Y635w	Yes	S9014w or S9017w
169-332	Shelf	142-163	Diamond Sapphire	Die-Cast Escutcheon	Yes	Y633 or Y635w	Yes	S9014w or S9017w
169-332	Shelf	142-163	Diamond Sapphire	Die-Cast Escutcheon	Yes	Y633 or Y635w	Yes	S9014w or S9017w

FEATURES OF HIGH FIDELITY & STEREO FM MODELS

MODEL NO.	CABINET				CHASSIS			SPEAKER		
	STYLE	MATERIAL	FINISH	COLOR	MODEL	TYPE	EIA POWER OUTPUT	PART NO.	V.C IMPEDANCE	SIZE (IN.)
S9014W	Table	Wood	Wood	Walnut	---	-----	---	49-1094 49-984	45. 6.4	3 1/2 6 x 9
S9015	Table	Wood	Wood	Wood	---	-----	---	49-1140	8.	11 x 14
S9017W	Table	Wood	Wood	Walnut	---	-----	---	49-1004 49-1012	8. 6.4	Horn 12
Y633	Drop In	----	----	----	---	8-Track Tape Unit	---	----	----	----
Y635W	Table	Metal	Vinyl Grained	Walnut	---	8-Track Tape Unit	---	----	----	----

FEATURES OF HIGH FIDELITY & STEREO FM MODELS

RECORD CHANGER (SEE NOTES)				CONTROL PANEL	INDICATOR LIGHT	TAPE DECK	RECORD STORAGE	REMOTE SPEAKER
TYPE	MOUNTING	CARTRIDGE	STYLUS					
----	----	-----	-----	-----	No	-----	-----	-----
----	----	-----	-----	-----	No	-----	-----	-----
----	----	-----	-----	-----	No	-----	-----	-----
----	----	-----	-----	-----	Yes	-----	-----	-----
----	----	-----	-----	-----	Yes	-----	-----	-----

NOTES: 1 - ALL MODELS USING VM AND/OR BSR STYLE RECORD CHANGERS ARE EQUIPPED WITH 45 R.P.M. RECORD ADAPTER.

2 - ALL RECORD CHANGERS ARE 4 SPEED AUTOMATIC AND USE 2 POLE MOTOR.

169-275 - (VM) - IVORY & BROWN FINISH
 169-277 - (BSR) BLACK & PEARL GREY FINISH
 169-278 - (BSR) BLACK & PEARL GRAY FINISH
 169-279 - (BSR) DARK BROWN & BEIGE
 169-284 - (VM) IVORY & BROWN FINISH
 169-288 - (VM) WHITE & GREY FINISH
 169-293 - (VM) OFF WHITE & CHARCOAL. (X525B1)
 169-294 - (VM) DARK BROWN & IVORY. (X525W1, X525P1)
 169-297 - (BSR) BLACK & PEARL GRAY.
 169-298 - (BSR) DARK BROWN & BEIGE.
 169-316 - (VM) DARK BROWN & BEIGE. (X508W1, X508L1)
 169-317 - (VM) BLACK & PEARL GRAY FINISH. (X508B1)
 169-331 - (VM) BRILLIANT ALUMINUM & BLACK. LARGE TURNTABLE.
 169-332 - (ZENITH) BRILLIANT ALUMINUM & BLACK. LARGE TURNTABLE.
 169-335 - (VM) GRAY & DARK GRAY FINISH.
 169-336 - (VM) IVORY & CHARCOAL BROWN FINISH.
 169-341 - (VM) BEIGE BROWN & GOLD #1 FINISH. LARGE TURNTABLE.
 169-342 - (VM) METALLIC GRAY & WHITE. LARGE TURNTABLE.
 169-343 - (VM) GRAY & WHITE. LARGE TURNTABLE.
 169-344 - (VM) BLACK & GRAY. LARGE TURNTABLE.
 169-345 - (VM) DARK BROWN & GOLD #1 FINISH. LARGE TURNTABLE.

GENERAL INFORMATION

MULTIPLEX THEORY

For all theory regarding the operation of the multiplex circuits, refer to service manuals HF-14 and HF-14 Supplement.

EXTENSION SPEAKER SYSTEMS

It is recommended that only Zenith extension speakers be used in conjunction with Zenith receivers. However, if the technician should desire to use other speakers, it is imperative the total impedance be not less than that impedance indicated on the back of each receiver, adjacent to the speaker terminal board.

MUTING CONTROL

The muting control is factory adjusted, and should not require readjustment. However, if the receiver is operated in an extremely noisy area, there is a possibility that there may be noise bursts of sufficient magnitude to overcome this mute voltage ... when this occurs, the Stereophonic FM Indicator will light up. To further cut off the 19KC amplifier, carefully rotate the muting control to cut off the light. This should only be done when a stereo signal is on the air since the mute control must only be advanced to a point where the Stereo Indicator does not light up on noise, but it should not be advanced to a point where the desired stereo signal is cut off.

MULTIPLEX ALIGNMENT

These receivers have been properly aligned at the factory and will not require further adjustment. As a result, it is not recommended that any attempt be made to alter the multiplex stages. However, should any major components in these circuits require replacement or should anyone tamper with the multiplex adjustments then, of course, realignment will be necessary.

Zenith has designed and manufactured an SPTE-1 Multiplex Generator that can be used to properly align the multiplex portion of these receivers. The multiplex alignment procedure is included in later pages of this manual. The SPTE-1 Multiplex Generator is available at your Zenith Distributor.

ANTENNAS FOR STEREO FM

Due to the characteristics of the stereo FM system, it will require more signal for proper performance than does monaural FM. As a result, it may be necessary to operate the stereo FM receiver with an external antenna. The necessity for an external antenna will be determined by the signal conditions at each individual installation.

EXTERNAL FM ANTENNA

If the receiver is operated in an area of either low signal strength, high noise, or where multipath (FM ghosts) signals are present, a good external FM antenna will be required. The necessity of an external antenna as a result of weak signal or noise, will be quite evident since the set will not limit, and/or noise will be quite evident. It is extremely difficult to determine if multipath (FM ghosts) signals are present, however, should the program material be distorted, the best manner to decide if multipath signals are the cause of the problem, is to connect an external FM antenna to the receiver. Usually a TV antenna may be available for trial, but even then the results can be misleading, since many TV antennas are of low gain on FM frequencies.

FM CABINET ANTENNA

All console models contain an FM antenna built into the cabinet. This antenna consists of a Folded Dipole cut to the desired frequency, and attached to the internal periphery of the cabinet.

SIGNAL STRENGTH CHART

There are certain minimum voltages necessary for proper stereo FM reception. To help determine if there is sufficient signal available, the following developed AGC voltage versus microvolt input voltage charts have been compiled. Since the desired FM Station may not always be operating in the stereo mode when an installation is made, these AGC voltage measurements have been taken with a monaural FM signal. The point "*" of minimum AGC voltage necessary for good stereo FM reception has been indicated on these charts. For chassis 18YT20 & 20YT20 connect a V.T.V.M. to the junction of 10K, 4.7 K and C30 5 mfd (test point B).

For chassis 23YT124, 26YT20 and 26YT21 connect a V.T.V.M. to the forward AGC input feed-thru terminal at the rear of the FM-RF tuner. (Test point B)

Chassis 18YT20 and 20YT20

Micro-volts Input	AGC Voltage at RF Coil
0	-1.4
25	-1.4
100	-1.52
200	-1.70
500	-1.78
1 K	-1.83
5 K	*-1.98
50 K	-2.22
100 K	-2.28

Chassis 23YT124, 26YT20 and 26YT21

Micro-volts Input	Forward AGC Voltage At Tuner Forward AGC Input Feed-Thru Terminal
0	-1.0
25	-1.01
100	-1.12
200	-1.50
500	-1.81
1 K	*-1.98
5 K	-2.28
50 K	-3.25
100 K	-3.41

AUTOMATIC FREQUENCY CONTROL AFC

These receivers feature an automatic frequency control which automatically keeps your receiver on the exact station frequency when you are tuned to an FM station. To utilize this feature tune the receiver as instructed and then move the selector or mode switch to AFC position.

When the desired FM station is a weak station, adjacent in frequency to a strong station, the AFC may pull the tuning into the stronger station. Under these conditions, place the switch in FM position and tune the receiver as instructed.

Tuning the receivers on the frequency modulation band will require more care than on the broadcast band. A hissing sound may be noted when tuning between Frequency Modulation stations. This is normal, and will disappear as the station is tuned in. After a station is located, the pointer should be moved back and forth over it until the point of quietest reception and best tone quality is found. Correct tuning is indicated by the disappearance of background noise.

SPEAKER PHASING

It is most important that coded speaker leads be connected to coded terminals on speakers for proper polarity within each speaker group. It is also then most important that the speaker groups be in phase with each other. One excellent method is to play a monaural record as described under Automatic Balance Control, in the customers operating guide.

Under these conditions the sound should appear to come from a point midway between the two speaker groups. If the sound comes from any other point than midpoint, then one speaker group is out of phase with the other and you should check polarity. One of the easiest methods of checking polarity within the speaker group is to momentarily place a 4½ volt battery across the speaker feed terminals. All the speaker cones should simultaneously move in the same direction.

POWER AMPLIFIERS

Power transistors and their circuits are unique in operation, therefore, repair procedure differs from those steps followed when repairing tube type circuits.

1. Each channel of the push-pull amplifiers use a pair of matched power transistors in the final output stage. Therefore, should one transistor fail, both transistors must be replaced simultaneously, since they will not perform properly unless matched.
2. When a power transistor using an insulator between the transistor and the heat sink is replaced, the heat sink should also be replaced. Be certain to apply Dow Corning #340 heat conductive grease between the transistor and the insulator. Also between the insulator and the chassis. The Dow Corning grease can be obtained in 1 C.C. quantities by ordering part #205-51.
3. On some chassis place the heat conductive grease in the detent of the chassis, all around the transistor and also into the detent in the combination heat sink and retaining bracket.
4. Do not operate these amplifiers without their proper Speaker load.
5. Do not short out the audio output of either channel when the amplifier is operating.
6. Should a power transistor fail (short) be certain to replace the emitter resistors for the specific channel. Also be certain to check the condition of the silicon diode rectifiers.
7. Remove transistors from their sockets before doing any soldering to the socket lugs.

INTEGRATED CIRCUIT (I.C.) 221-32

The 4th I.F. is a 221-32 I.C. designed to both limit and amplify. It is a very simple matter to determine if this I.C. is functioning properly in the circuit. First, a voltage test should be made at Terminals 4, 5, 3, 7, and 1. This will determine if the proper voltages are being applied to this I.C.

These voltages as a group can vary $\pm 5\%$. A further test to definitely determine if the I.C. is functioning properly is to insert a 120 millivolt peak-to-peak 10.7 MHz signal at Terminal 5 of T4, 4th I.F. transformer. If your generator cannot supply 120 MV of signal, its output can be fed into previous I.F. stages that will act as amplifiers to supply 120MV at Terminal #5 of T4. With this input voltage, which will be insufficient to cause limiting in the I.C., one should expect to obtain 1 volt peak-to-peak of 10.7 MHz signal at pin 2 of T5, ratio detector transformer, measured with a high frequency, low capacity scope having an input resistance of not less than one megohm. This input-output signal test in addition to the voltages should be sufficient for the technician to determine if this I.C. is functioning properly. If not, it can be replaced with a new 221-32 I.C.

On the circuit diagram of chassis 23YT124, we include a circuit diagram of the I.C. network. However, it is not intended that any attempt be made to substitute the many components, since this from the physical sense is impossible. Should the technician find that the I.C. is not functioning properly, the only practical repair solution is to replace it with a new one.

FM, RF, AND IF ALIGNMENT - CHASSIS 18YT20, 20YT20, 23YT124, 26YT20 AND 26YT21.

Alignment of these chassis will, in most cases, not be necessary unless an RF or IF transformer is replaced or if someone has tampered with the adjustments.

Because of the wide band pass required in the multiplex FM tuner, it is desirable to use an FM signal generator having a deviation of 400 KC with a sweep rate of 60 cycles as well as an oscilloscope when aligning both the IF and RF FM portions of this receiver. It is not only necessary to obtain maximum amplitude in the IF amplifier stages, but also necessary to maintain symmetry. To help achieve this symmetry, it is desirable to have 10.6, 10.7 and 10.8 megacycle markers in obtaining IF curve symmetry.

The condenser mentioned further on in the alignment procedure should be as small as possible and the ground lead of the generator must be connected to the chassis at the base of the socket, where the signal is being injected. Should the signal be injected at some point other than a socket, then the ground lead should be connected to ground as closely as possible to this point.

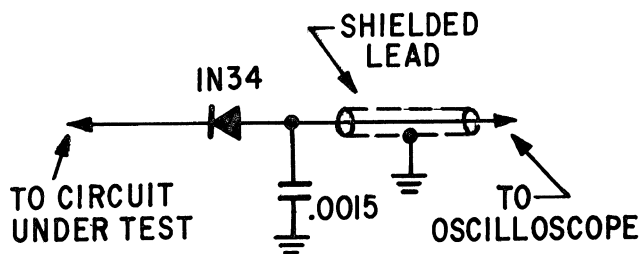
In all alignment procedures, the signal generator output should be kept just high enough to obtain an indication. This is most necessary, since on some chassis we have a zero time constant limiter which will clip the signals if their magnitude is too great, resulting in erroneous waveforms.

- A. On chassis 18YT20, 20YT20, 23YT124, 26YT20 and 26YT21 connect scope or V.T.V.M. to junction of 10 ohm resistor and .001 mfd capacitor Test Point (H). The 10 ohm resistor is connected to terminal #6 of the ratio detector transformer.

B. On chassis 18YT20, 20YT20, 26YT20 and 26YT21 connect the scope to the base of the last FM IF transistor Test Point (G). The common scope terminal should be connected to chassis.

On chassis 23YT124 the scope should be connected to terminal #5 of T4 the 4th I.F. transformer.

A detector probe is required. If your oscilloscope is not equipped with this probe, it can easily be constructed. For best results, this probe should be shielded.



Simplified Circuit Diagram of Detector Probe.

AM ALIGNMENT

C. A V.T.V.M. on low AC scale connected across the speaker voice coil output terminals (either left or right channel), will be satisfactory for all AM, IF and RF adjustments.

RF AND IF ALIGNMENT CHASSIS 6YT01

Alignment of these chassis will, in most cases be unnecessary unless an IF or RF transformer is replaced or the adjustments have been tampered with.

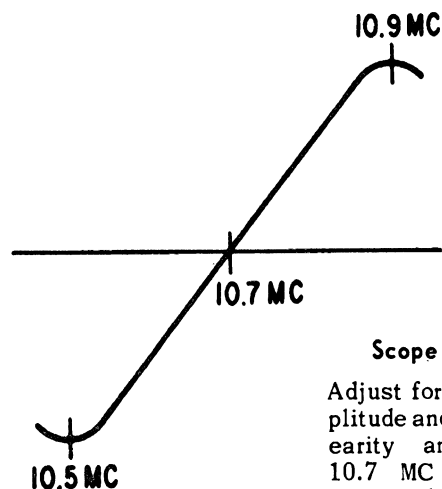
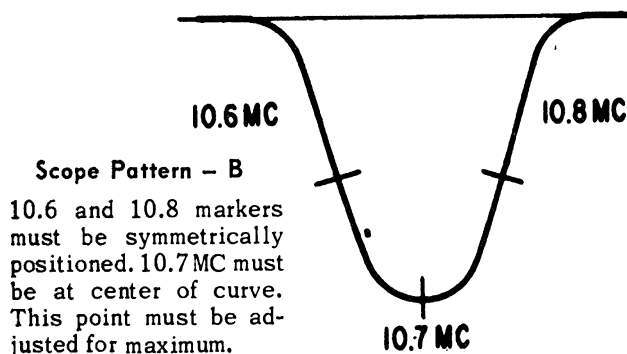
FM Ratio Detector Alignment: When the secondary of the Ratio Detector is aligned use sufficient signal input to get a good positive and negative indication before setting the slug for zero reading. A center zero indicating meter is recommended for this adjustment, but is not absolutely necessary. Reversing the leads of a non-zero center meter, or observing closely when the meter starts to go to the left (negative) of zero will give the same results.

FM IF Alignment: Because of the wide band pass, it is desirable to use an FM signal generator and a cathode ray oscilloscope.

Correct alignment can only be made by following this procedure:

A vacuum tube voltmeter with an isolation resistor of 2,000,000 ohms in series with the hot lead will serve for FM adjustments. This lead should be shielded.

The signal generator output should be kept just high enough to get an indication on the meter.



RF AND IF ALIGNMENT PROCEDURE FOR CHASSIS 6YT01

OPERATION	CONNECT OSCILLATOR TO	DUMMY ANTENNA	INPUT SIGNAL FREQUENCY	BAND	SET DIAL TO	ADJUST	PURPOSE
1(A)	One turn loosely coupled to all wavemagnet		455 KHz 400 Cycle Modulated	BC	600 KHz	L203, L204, L207, L210	Align IF channel for maximum output
2(A)			1600 KHz 400 Cycle Modulated	BC	1600 KHz	C101D	
3(A)			600 KHz	BC	600 KHz	L103	Set oscillator to dial scale
4(A)		Repeat Procedures #2 & 3					
5(A)			1500 KHz 400 Cycle Modulated	BC	1400 KHz	C101A	Align antenna stage
6 B	Term. #3 of T205 3rd IF Trans. Test Point "G1"	47 ohm in shunt with gen. output. Then from hot lead a 27 ohm in series with a .001 MFD capacitor.	10.7 MHz 400 KHz Deviation	FM	88 MHz	L212	Adjust Primary and secondary of ratio detector for maximum amplitude and symmetry, as shown in Scope Pattern "B"
7 B			10.7 MHz 400 KHz Deviation	FM	88 MHz	L214	
8 C	Term. #3 of T203 2nd IF Trans. Test Point "F"		10.7 MHz 400 KHz Deviation	FM	88 MHz	L208 & L209	Align I.F. transformers for maximum output and symmetry. This pattern is not necessary identical to the overall Scope Pattern "A"
9 C	Term. #3 of T201 1st UF Trans. Test Point "E"		10.7 MHz 400 KHz Deviation	FM	88 MHz	L205 & L206	
10 C	Connect to Test Point #D. Junction of R6 1.8K, R7 12K & C9 Feed Thru Condenser on FM Tuner.		10.7 MHz 400 KHz Deviation	FM	88 MHz	L201 & L202	
11 C			10.7 MHz 400 KHz Deviation	FM	88 MHz	Readjust L201, L202, L205, L206, L208 & L209	Align I.F. transformers for maximum output and symmetry as indicated in Scope Pattern "A"
12 C	FM Antenna Post (Remove Antenna) Test Point "A"	300 ohm	98 MHz 400 KHz Deviation	FM	98 MHz	L4	Set oscillator to Dial Scale.
13 C	FM Antenna Post (Remove Antenna) Test Point "A"	300 ohm	98 MHz 500 KHz Deviation	FM	98 MHz	L2	Align FM Detector stage for maximum.

- (A) V.T.V.W. across Voice Coil
 (B) Connect or scope to terminal #6 of T207, Test Point "H".
 (C) Connect or scope with diode probe to terminal #5 of T205, Test Point "G2".

RF AND IF ALIGNMENT PROCEDURE FOR CHASSIS 18YT20, 18YT20Z, 20YT20 AND 20YT20Z

OPERATION	CONNECT GENERATOR TO	DUMMY ANTENNA	INPUT SIGNAL FREQUENCY	SET DIAL TO	ADJUST IRON CORES	PURPOSE
1 A	Term. #3 of T3 3rd IF Trans.	47 ohm in shunt with gen. output. Then from hot lead a 27 ohm in series with a .001 MFD capacitor.	10.7 MHz 400 KHz Deviation	88 MHz	L11	Adjust Primary and secondary of ratio detector for maximum amplitude and symmetry as shown in Scope Pattern "B"
2 A	Term. #3 of T3 3rd IF Trans.		10.7 MHz 400 KHz Deviation	88 MHz	L12	
3 B	Term. #3 of T2 2nd IF Trans. Test Point "F"		10.7 MHz 400 KHz Deviation	88 MHz	L9 & L10	Align I.F. transformers for maximum output and symmetry. This pattern is not necessarily identical to the overall Scope Pattern "A"
4 B	Term. #1 of T1 1st IF Trans. Test Point "E"		10.7 MHz 400 KHz Deviation	88 MHz	L7 & L8	
5 B	Connect to Test Point #D		10.7 MHz 400 KHz Deviation	88 MHz	L5 & L6	
6 B	Connect to Test Point #D		10.7 MHz 400 KHz Deviation	88 MHz	Readjust L5, L6, L7, L8	Align I.F. transformers for maximum output and symmetry as indicated in Scope Pattern "A"
7 B	FM Antenna Post (Remove Antenna) Test Point "A"	300 ohm	98 MHz 400 KHz Deviation	98 MHz	L4	Set oscillator to Dial Scale
8 B	FM Antenna Post (Remove Antenna) Test Point "A"	300 ohm	98 MHz 400 KHz Deviation	98 MHz	L2	Align FM Detector stage for maximum.
9 C	Test Point #L	.05 in series with hot lead of gen.	455 KHz 400 Cycle Modulated	600 KHz	L15, L14, L21 & L20	Align AM IF for maximum.
10 C	Two turn loop loosely coupled to wave-magnet		1600 KHz 400 Cycle Modulated	1600 KHz	C39D	Set oscillator to dial scale.
11 C	Two turn loop loosely coupled to wave-magnet		1400 KHz 400 Cycle Modulated	1400 KHz	C39A	Align antenna stages.

For A, B, C See Pages 13 and 14

RF AND IF ALIGNMENT PROCEDURE FOR CHASSIS 23YT124 AND 26YT20

OPERATION	CONNECT GENERATOR TO	DUMMY ANTENNA	INPUT SIGNAL FREQUENCY	SET DIAL TO	ADJUST IRON CORES	PURPOSE
1 A	Term. #3 of T4 4th IF Trans.	47 ohm in shunt with gen. output. Then from hot lead a 27 ohm in series with a .001 MFD capacitor.	10.7 MHz 400 KHz Deviation	88 MHz	L16	Adjust Primary and secondary of ratio detector for maximum amplitude and symmetry as shown in Scope Pattern 'B'
2 A	Term. #3 of T4 4th IF Trans.		10.7 MHz 400 KHz Deviation	88 MHz	L17	
3 B	Term. #3 of T3 3rd IF Trans. Test Point "F"		10.7 MHz 400 KHz Deviation	88 MHz	L14, L15	Align I.F. transformers for maximum output and symmetry. This pattern is not necessarily identical to the overall Scope Pattern "A"
4 B	Term. #3 of T2 2nd IF Trans. Test Point "E"		10.7 MHz 400 KHz Deviation	88 MHz	L12, L13	
5 B	Connect to emitter of TR2 Mixer Test Point #K		10.7 MHz 400 KHz Deviation	88 MHz	L10, L11	
6 B	Connect to emitter of TR2 Mixer Test Point #K		10.7 MHz 400 KHz Deviation	88 MHz	L5, L6	Align I.F. transformers for maximum output and symmetry as indicated in Scope Pattern "A"
7 B	Connect to emitter of TR2 Mixer Test Point #K		10.7 MHz 400 KHz Deviation	88 MHz	Readjust L5, L6, L10, L11, L12, L13, L14, L15	
8 B	FM Antenna Post (Remove Antenna)	300 ohm	98 MHz 400 KHz Deviation	98 MHz	L7	Set oscillator to Dial Scale.
9 B	FM Antenna Post (Remove Antenna)	300 ohm	98 MHz 400 KHz Deviation	98 MHz	L3, L2, L1	Align RF output, RF input and FM Antenna stages for maximum.
10 C	Base of TR9 (23YT124) Base of TR8 (26YT20)	.05 in series with hot lead of gen.	455 KHz 400 Cycle Modulated	600 KHz	L27, L28, L19, L20, L21, L22	Align AM IF for maximum.
11 C	Two turn loop loosely coupled to wave-magnet		1600 KHz 400 Cycle Modulated	1600 KHz	23YT24 C50F	Set oscillator to dial scale.
					26YT20 C47E	
12 C	Two turn loop loosely coupled to wave-magnet		1400 KHz 400 Cycle Modulated	1400 KHz	23YT124 C50D, C50B	Align detector and antenna stages.
					26YT20 C47D, C47B	

For A, B, C See Pages 13 and 14

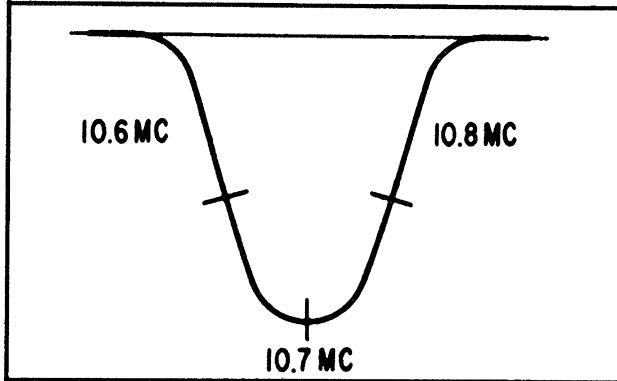
RF AND IF ALIGNMENT PROCEDURE FOR CHASSIS 26YT21

OPERATION	CONNECT GENERATOR TO	DUMMY ANTENNA	INPUT SIGNAL FREQUENCY	SET DIAL TO	ADJUST IRON CORES	PURPOSE
1 A	Term. #3 of T4 4th IF Trans.	47 ohm in shunt with gen. output. Then from hot lead a 27 ohm in series with a .001 MFD capacitor.	10.7 MHz 400 KHz Deviation	88 MHz	L15	Adjust Primary and secondary of ratio detector for maximum amplitude and symmetry as shown in Scope Pattern 'B'
2 A	Term. #3 of T4 4th IF Trans.		10.7 MHz 400 KHz Deviation	88 MHz	L16	
3 B	Term. #3 of T3 3rd IF Trans. Test Point 'F'		10.7 MHz 400 KHz Deviation	88 MHz	L13,L14	Align I.F. transformers for maximum output and symmetry. This pattern is not necessarily identical to the overall Scope Pattern 'A'
4 B	Term. #3 of T2 2nd IF Trans. Test Point 'E'		10.7 MHz 400 KHz Deviation	88 MHz	L11,L12	
5 B	Connect to emitter of TR2 Mixer Test Point #K		10.7 MHz 400 KHz Deviation	88 MHz	L9,L10	
6 B	Connect to emitter of TR2 Mixer Test Point #K	300 ohm	10.7 MHz 400 KHz Deviation	88 MHz	L5,L6	Align I.F. transformers for maximum output and symmetry as indicated in Scope Pattern 'A'
7 B	Connect to emitter of TR2 Mixer Test Point #K		10.7 MHz 400 KHz Deviation	88 MHz	Readjust L5, L6, L9, L10, L11, L12, L13, L14	
8 B	FM Antenna Post (Remove Antenna)	300 ohm	98 MHz 400 KHz Deviation	98 MHz	L7	Set oscillator to Dial Scale.
9 B	FM Antenna Post (Remove Antenna)	300 ohm	98 MHz 400 KHz Deviation	98 MHz	L3,L2,L1	Align RF output, RF input and FM Antenna stages for maximum.
10 C	Base of TR8	.05 in series with hot lead of gen.	455 KHz 400 Cycle Modulated	600 KHz	L26,L27,L18, L19,L20,L21	Align AM IF for maximum.
11 C	Two turn loop loosely coupled to wave-magnet		1600 KHz 400 Cycle Modulated	1600 KHz	C52E	Set oscillator to dial scale.
12 C	Two turn loop loosely coupled to wave-magnet		1400 400 Cycle Modulated	1400 KHz	C52D,C52C	Align detector and antenna stages.

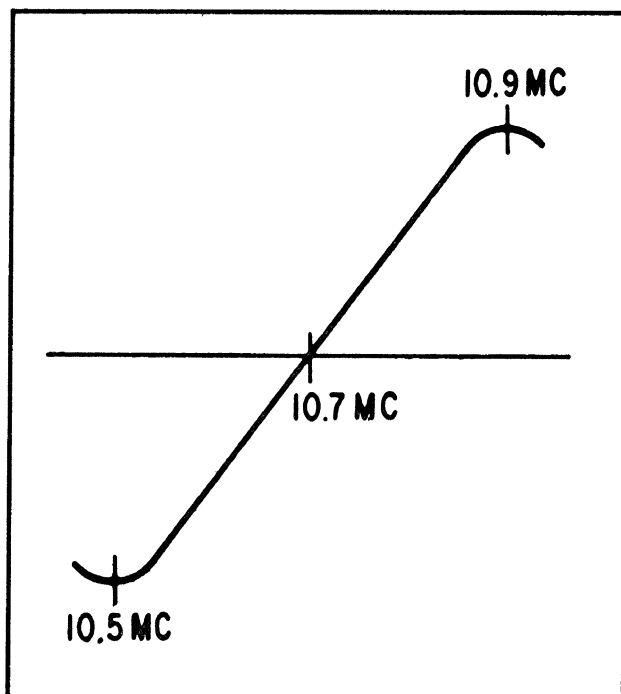
For A, B, C See Pages 13 and 14

MULTIPLEX ALIGNMENT PROCEDURE CHASSIS 23YT124, 26YT20 AND 26YT21

Using the Zenith FM multiplex signal generator, the multiplex portion of Zenith or any FM multiplex receiver can be aligned, but first before any attempt is made to do this it is necessary that the technician be certain that the RF, IF, and ratio detector alignment is correct, and that the receiver operates normally on monaural signals.



IF CURVE



RATIO DETECTOR CURVE

Because of the wide band pass required in the multiplex FM receiver, it is desirable to use an FM signal generator having a deviation of at least 200 KC with a sweep rate of 60 cycles, as well as an oscilloscope. During the IF and ratio detector alignment it is not only necessary to obtain maximum gain, but also extremely important to maintain symmetry.

To help achieve this IF curve symmetry 10.6 and 10.8 megacycle markers must be symmetrically positioned and the 10.7 megacycle marker must be at the center of the curve. When aligning the ratio detector 10.5 and 10.9 megacycle markers are desirable to achieve S curve symmetry. The pattern illustrating marker use

to obtain S curve symmetry indicates it is most necessary to adjust for maximum gain and at the same time maintain linearity and symmetry. 10.7 megacycles must be on the curve at the reference line. 10.5 megacycles and 10.9 megacycles must be at the lower and upper turn of the S curve respectively. Only when the I.F. and ratio detector circuitry have been aligned in accordance with these specifications should the technician proceed to align the multiplex portion of the receiver.

PRELIMINARY PROCEDURES

Before using the Zenith FM multiplex signal generator it is recommended that it be connected to the power source and turned on giving it a 10 to 20 minute warmup period. This will allow ample time for the RF audio and 19 KC oscillators to stabilize.

The following procedure is only necessary when the generator has been received from the factory, or has been subjected to a great deal of handling or transportation vibration. Although the 19KC pilot generator oscillator is extremely stable, there is always the possibility that it could shift from its precisely assigned frequency. As a result we have a very simple method to check the 19KC pilot frequency using an FM multiplex receiver and FM multiplex station as a frequency standard. Proceed as follows:

1. Tune your FM multiplex receiver to an FM multiplex station and when the pilot lights up, this indicates the 19KC pilot amplifier is functioning. Since the 19KC sine wave is from the transmitter it must be on frequency and can be used as a reference standard. With a cable connect the collector output of the 19KC amplifier to the vertical input of a good oscilloscope.
2. On the multiplex generator set the pilot carrier amplitude control to 10%. Place L-R, L+R and 67KC switches in OFF position and connect the composite output terminal directly to the horizontal input of the oscilloscope. On the oscilloscope you will see an oval Lissajous figure which should be motionless when the 19KC output of the generator is synchronized with the 19KC signal from the transmitter. Should the Lissajous figure rotate it will only be necessary to adjust the pilot carrier frequency trimmer on the multiplex generator with an IF alignment wrench until the Lissajous figure ceases to rotate. After the generator has been adjusted to zero beat, disconnect all cables.

The multiplex generator provides a composite multiplex signal as well as an RF signal, FM modulated by the composite multiplex signal.

The composite signal is very useful since it is an excellent tool that can be used in signal tracing the multiplex portion of the receiver. We do not recommend that multiplex alignment be made using only the composite signal injected at the output terminal of the ratio detector tertiary winding, since there is always some phase shift occurring in the RF, IF or ratio detector circuits. As a result, multiplex alignment made by a signal injected at the ratio detector would not be correct. For proper multiplex alignment the composite signal must FM modulate the RF carrier and then be fed into the FM antenna terminals. With the signal injected in this manner the multiplex alignment would then be the best that could possibly be obtained and separation would be the maximum for this receiver.

67 KC Trap Adjustment

1. Connect the stereo generator RF leads to the G and F FM antenna terminals and set the pilot carrier control to zero.
2. Move L + R and L - R switches to OFF position.
3. Move 67KC generator switch from OFF position up to 67KC.
4. Connect the V.T.V.M. (AC scale) and/or scope to terminal #5 Test Point "M" of T10 19KC amplifier transformer, and chassis ground.
5. Adjust 67KC trap for minimum output.
6. Move 67KC generator switch to OFF position.

19KC Sub Carrier Amplifier, Doubler and Mute Adjustments

1. Turn generator pilot carrier amplitude control to 10% position.
2. Connect the V.T.V.M. (DC scale) and/or scope to the junction of the two frequency doubling diodes and chassis.
3. Place the stereo-monaural switch in stereo position and short Test Point #T to GND.
4. Adjust T10 19KC amplifier transformer and T11 doubler transformer for maximum output. Simultaneously adjust the mute control so the voltage at the junction of the two frequency doubling diodes never exceeds -.2 vdt during this operation. The voltage must be kept at this minimum for proper alignment.
5. Remove GND from Test Point #T.
6. Turn generator pilot carrier amplitude control to 5% position.
7. Slowly rotate the mute control to a point where the stereo indicator lights up.

Separation Adjustments

1. Place stereo monaural switch in Stereo position.
2. Turn generator pilot carrier amplitude control to 10% position.
3. Move L-R and L+R generator switches from OFF position up to L-R and L+R positions.
4. Connect a V.T.V.M. (AC scale) and/or scope to the L audio output, after the 38KC filter.
5. Adjust T12 38KC detector transformer for maximum voltage at L output. The magnitude of this signal should be much greater than that at the R output. The voltage at the L output should be approximately 10 times or greater than at the R output.

TROUBLE-SHOOTING

Should a problem arise in aligning the FM multiplex portion of the receiver and the technician does not know whether the difficulty lies in the RF, IF, limiter and ratio detector portions of the receiver, or whether the difficulty lies in the multiplex portion, the multiplex generator can be used as an excellent signal tracing device to determine if the multiplex section of the receiver is functioning properly. The composite output of the multiplex generator can be

injected at the output of the ratio detector. To reduce possible extraneous signals coming through the ratio detector, short the ratio detector primary with a jumper lead. The wave forms and their magnitudes may vary slightly from chassis to chassis, however, they are quite indicative of what will be seen when signal tracing the multiplex circuitry.

67KC Signal Tracing

1. Turn generator pilot carrier amplitude control to zero.
2. Move L+R and L-R switches to OFF position.
3. Move 67KC generator switch from OFF position up to 67KC. Sequentially connect an oscilloscope to the input and output of the 67KC trap. The 67KC signal at the output of the trap if it is properly nulled, will be much smaller than at the input. The voltage ratio should be approximately 20 to 1 input to output.

19KC Signal Tracing

1. Move the 67KC generator switch to OFF.
2. Rotate the generator 19KC pilot carrier amplitude control to 10% position.
3. Sequentially connect your scope to the base of composite amplifier, base of 19KC amplifier and collector of 19KC amplifier. The amplitude of the 19KC signal should greatly increase as you proceed along the 19KC chain.

Doubler and Subcarrier Signal Tracing

To determine if the doubler is functioning, place your scope at the junction of the two diodes and you will see 38KC DC pulses. Placing the scope at the collector of the subcarrier amplifier, you should see a 38KC sine wave which will indicate that the subcarrier amplifier and associated ringing circuitry is functioning properly.

Multiplex Detector Signal Tracing

1. Leave the 19KC amplitude control at 10%.
2. Move the L - R generator switch from OFF position to L - R position. You should see equal amplitude 1000 cycle sine waves at both L and R outputs.
3. Move the L+R switch from OFF up to L+R and look at the L audio output, and measure the magnitude of the 1000 cycle sine wave. If the multiplex detector and preceding circuitry are aligned properly, the magnitude of the wave form at L should be greater than at R.

If all the waves are similar in form and magnitude to those indicated, then it can be assumed that the multiplex portion of the receiver is functioning properly and the problem lies ahead of this in the FM receiver. If any of the wave forms are missing at a latter point but are apparent at a previous point, then something is amiss in the circuitry between the two test points.

PARTS LIST

PART NO.	DESCRIPTION	PRICE	PART NO.	DESCRIPTION	PRICE
CHASSIS 1N21 PARTS					
11-145	Line Cord & Plug	.80	79-174-8	#18 Sleeving - Yellow - 1"	.03
22-2786	.068 Mf Capacitor - 200V.		79-209-8	#22 Sleeving - Yellow - 1" (Part of S-67794)	.03
22-2793	.047 Mf Capacitor - 400V.		79-210-8	#22 Sleeving - Green - 1" (Part of S-67794)	.03
22-2804	.022 Mf Capacitor - 200V.		79-211-8	#22 Sleeving - Blue - 1" (Part of S-67794)	.03
22-4600	Electrolytic Capacitor	1.95	83-5147	10 Lug Terminal Strip - Grip Type (2 required)	.25
43-519	Socket Contact Housing	.20	83-5148	Insulating Strip	.03
52-1202	Phono Cable & Plug	.60	83-5284	5 Lug Terminal Strip	.15
63-1750	150 Ohm Resistor - 1/2W. 10%	.17	83-5291	Insulating Strip	.03
63-1828	10K Ohm Resistor - 1/2W. 20%	.17	*83-5688	Transistor Insulating Strip (Part of 800-158 or S-67794)	.03
63-1856	47K Ohm Resistor - 1/2W. 20%	.17	86-199	Terminal	.03
63-1898	470K Ohm Resistor - 1/2W. 20%	.17	86-334	Socket Terminal (4 required)	
63-5374	110 Ohm Fusing Type Resistor	.35	94-1419	Shoulder Bushing (One Furnished As Part Of 800-158 & 2 used when S-67794 is Used.)	
63-6318	Volume Control	.75	94-1424	Shoulder Bushing (Furnished As Part Of 800-158)	
63-6319	Tone Control	.80	*95-2341	Output Transformer	2.10
78-1410	Molded Tube Socket (25C5)	.25	114-940	4-40 x 5/16 x 3/16 Hex Hd. Mach. Screw - Cadmium (2 Mt. S-67794 Or 800-158)	.03
83-5305	Seven Lug Terminal Strip	.20	121-314	Transistor (Driver)	.80
83-5306	Insulating Strip	.05	212-71	Rectifier	1.25
86-328	Wire Retaining Terminal	.03	or		
86-334	Terminal (3 Used On 43-519)	.10	212-27	Rectifier	2.00
95-2312	Output Transformer	1.70	S-67794	Transistor, Strip & Grease Assembly	5.00
212-71	Silicon Rectifier	1.25	or		
212-27	Silicon Rectifier	2.00	*800-158	Transistor - Output Assembly (121-436)	
CHASSIS 1Y20			*S-73673	Wire & Terminal Assembly - Brown (Furnished As Part Of 800-158)	
22-3	.01 Mf Disc Capacitor - 500V.	.30	CHASSIS 2N21		
22-17	.001 Mf Disc Capacitor - 1KV.	.25	11-87	A.C. Line Cord	
22-2794	.047 Mf Capacitor - 600V.		*12-4318	Switch Mtg. Bracket	
*22-5400	Electrolytic Capacitor - 150V/150V		22-2884	5 Mf Electrolytic Capacitor - 12W.	1.50
54-139	3/8-32 x 9/16 Palnut - Cadmium (Mts. 63-6997)	.03	22-3317	.1 Mf Capacitor - 200V.	.35
63-1743	100 Ohm Resistor - 1/2W. 10%	.17	22-3659	.047 Mf Capacitor - 400V. (2 required)	
63-1810	3900 Ohm Resistor - 1/2W. 10%	.17	22-4097	.022 Mf Capacitor - 200V.	.25
63-1856	47K Ohm Resistor - 1/2W. 20%		*22-4568	100 Mf Electrolytic Capacitor - 15V.	
63-1870	100K Ohm Resistor - 1/2W. 20%		22-4617	.01 Mf Disc Capacitor - 500V.	.10
*63-6997	Volume Control & Switch		*22-4675	Dual Electrolytic Capacitor	
*63-6998	150 Ohm Fuse Type Resistor		43-519	Socket Contact Housing	.20
78-1542	Wafer Tube Socket	.20	*52-1222	Four Conductor Cable	
79-174-12	#18 Sleeving - Yellow	.03	54-384	4-40 Palnut - Cadmium (1 Used On Ea. 114-940)	.03
*83-5548	Four Lug Terminal Strip	.10	58-214	Phono Plug	.10
*95-2502	Audio Output Transformer		63-1733	56 Ohm Resistor - 1/2W. 10%	.17
212-71	Silicon Rectifier	1.25	63-1764	330 Ohm Resistor - 1/2W. 10%	.17
CHASSIS 2N20 PARTS			63-1803	2700 Ohm Resistor - 1/2W. 10%	
11-87	A.C. Line Cord		63-1814	4700 Ohm Resistor - 1/2W. 20%	.17
22-3	.01 Mf Disc Capacitor - 500V.	.30	63-1862	68K Ohm Resistor - 1/2W. 10%	
22-3317	.1 Mf Capacitor - 200V.	.35	63-1873	120K Ohm Resistor - 1/2W. 10%	.17
22-3615	1 Mf Electrolytic Capacitor	1.25	63-1905	680K Ohm Resistor - 1/2W. 20%	.17
22-3659	.047 Mf Capacitor - 400V. (2 required)		63-1912	1 Megohm Resistor - 1/2W. 20%	.17
22-4568	100 Mf Electrolytic Capacitor	.95	63-5302	350 Ohm Fusing Type Resistor - 3W.	.46
22-4644	Electrolytic Capacitor	2.45	63-5440	Voltage Dependent Resistor	.80
43-519	Socket Contact Housing	.20	63-6112	10K Ohm Resistor - 1W. 10%	.15
52-1218	Single Conductor Shielded Lead & Plug	.55	63-6319	Tone Control	.80
*52-1222	Four Conductor Cable		*63-6858	Loudness Control	
54-384	4-40 Palnut - Cadmium (1 Used On Ea. 114-940)	.03	79-174-12	#18 Sleeving - Yellow - 1-1/2"	.03
63-1827	10K Ohm Resistor - 1/2W. 10%		79-209-8	#22 Sleeving - Yellow - 1" (Part Of S-67794)	.03
63-1848	33K Ohm Resistor - 1/2W. 10%		79-210-8	#22 Sleeving - Green - 1" (Part Of S-67794)	
63-1862	68K Ohm Resistor - 1/2W. 10%		79-211-8	#22 Sleeving - Blue - 1" (Part Of S-67794)	.03
63-1870	100K Ohm Resistor - 1/2W. 20%		83-5147	Ten Lug Terminal Strip	.25
63-1880	180K Ohm Resistor - 1/2W. 10%		83-5148	Insulating Strip	.03
63-1908	820K Ohm Resistor - 1/2W. 10%	.17	83-5170	Three Lug Terminal Strip	.10
63-1912	1.0 Megohm Resistor - 1/2W. 20%	.17	83-5171	Insulating Strip	.03
63-5440	Voltage Dependent Resistor	.80	83-5284	5 Lug Terminal Strip	.15
63-6042	220 Ohm Resistor - 1W. 10%	.25			
63-6319	Tone Control	.80			
*63-6406	430 Ohm Fusing Type Resistor	1.60			
63-6407	Loudness Control	1.65			

PART NO.	DESCRIPTION	PRICE	PART NO.	DESCRIPTION	PRICE
CHASSIS 2NT21 (Cont'd.)					
83-5291	Insulating Strip	.03	63-1852	39K Ohm Resistor - 1/2W. 10%	
*83-5688	Transistor Insulating Strip (Part Of 800-158 or S-67794)		63-1859	56K Ohm Resistor - 1/2W. 10%	
*85-915	OFF-ON Phono, Radio Switch		63-1884	220K Ohm Resistor - 1/2W. 20% (2 required)	.17
86-199	Terminal (2 required)	.03	63-1911	1 Megohm Resistor - 1/2W. 10%	.17
86-334	Socket Terminal (4 Used On 52-1222)	.10	63-1925	2.2 Megohm Resistor - 1/2W. 10%	
*94-1419	Shoulder Bushing (One Furnished As Part Of 800-158 & 2 Used When S-67794 Is Used.)		63-6406	Fusing Resistor	1.60
			*63-7093	Volume Control	
*94-1424	Shoulder Bushing (Furnished As Part Of 800-158)		*63-7094	Tone Control	
95-2341	Output Transformer	2.10	*64-974	Plastic Pop Rivet (2 Join 83-5436 & 83-5437)	
114-940	4-40 x 5/16 x 3/16 Hex Hd. Mach. Screw - Cadmium	.03	79-174-12	#18 Sleeving - Yellow - 1-1/2" (2 required)	.03
*121-441	Transistor (Driver)		*83-5436	Ten Lug Terminal Strip	
212-71	Rectifier	1.25	*83-5437	Insulating Strip (Part of 800-204)	
S-67794	Transistor, Strip & Grease Assembly	5.00	86-199	Terminal	.03
or			86-329	Terminal (2 required)	.03
*800-158	Transistor - Output Assembly (121-436)		95-2373	Output Transformer	2.80
*S-73673	Wire & Terminal Assembly - Brown (Furnished As Part Of 800-158)		114-615	6-20 x 5/16 Hex Hd. Self-Tap. Screw - Steel - Cadmium (2 Used On 121-436)	.03
CHASSIS 2NT22			121-433	Transistor (Pre-Amp)	1.30
22-3	.01 Mf Disc Capacitor - 500V.	.30	205-51	Dow Corning Heat Conductive Grease (Part of 800-204)	.16
22-2428	1.8 Pf Gimmick Capacitor		212-71	Silicon Rectifier	1.25
22-2884	5 Mf Electrolytic Capacitor - 12V.	1.50	*800-204	Transistor - Output Assembly (121-436)	
22-2998	.1 Mf Capacitor - 50V.	.35	S-73673	Wire & Terminal Assembly - Brown (Part of 800-204)	.10
22-3034	.05 Mf Disc Capacitor - 25V. (3 req'd)	.45			
22-3615	1 Mf Electrolytic Capacitor	1.25			
22-4509	20 Mf Electrolytic Capacitor - 25V.	.70			
22-4657	Two Section Variable Capacitor				
*52-1296	Three Conductor Cable				
63-1750	150 Ohm Resistor - 1/2W. 10%	.17			
63-1771	470 Ohm Resistor - 1/2W. 10%	.17			
63-1772	470 Ohm Resistor - 1/2W. 20%	.17			
63-1785	1K Ohm Resistor - 1/2W. 10% (2 req'd)				
63-1786	1K Ohm Resistor - 1/2W. 20%	.17			
63-1792	1500 Ohm Resistor - 1/2W. 10%	.17			
63-1809	3900 Ohm Resistor - 1/2W. 5%				
63-1810	3900 Ohm Resistor - 1/2W. 10%	.17			
63-1814	4700 Ohm Resistor - 1/2W. 20%	.17			
63-1846	30K Ohm Resistor - 1/2W. 5%	.34			
63-1848	33K Ohm Resistor - 1/2W. 10%				
63-1852	39K Ohm Resistor - 1/2W. 10%				
63-1888	300K Ohm Resistor - 1/2W. 5%				
83-3042	Rubber Strip	.03			
86-412	Antenna Terminal (4 Part of S-72896)	.03			
95-2171	1st I.F. Transformer	2.50			
*95-2403	Oscillator Transformer				
103-44	Diode	.50			
103-74	Diode	.50			
105-49	Integnet	1.00			
113-10	6-32 x 3/16 x 1/4 Hex Hd. Mach. Screw - N. P. - Int. Shakeproof Lockwasher (3 Mt. 22-4657)	.03			
121-312	Transistor (Converter)	.80			
121-313	Transistor (I.F.)	.72			
*126-1206	Shield				
149-311	Iron Core Sleeve	.10			
*S-72896	Antenna Assembly				
CHASSIS 2YT23					
22-3	.01 Mf Disc Capacitor - 500V. (3 required)	.30			
22-3298	470 Pf Disc Capacitor - 500V.	.25			
22-3412	820 Pf Disc Capacitor - 500V.	.25			
22-3896	5 Mf Electrolytic Capacitor - 25V.	1.00			
22-5121	40 Mf Electrolytic Capacitor - 150V.	1.60			
63-1733	56 Ohm Resistor - 1/2W. 10%	.17			
63-1810	3900 Ohm Resistor - 1/2W. 10%	.17			
63-1824	8200 Ohm Resistor - 1/2W. 10%				
			11-87	Line Cord & Plug	
			22-6	470 Pf Disc Capacitor - 1 KV.	.25
			22-17	.001 Mf Disc Capacitor - 1 KV.	.25
			22-3023	100 Mf Electrolytic Capacitor - 10 V.	1.50
			22-3255	330 Pf Disc Capacitor	.25
			22-4571	200 Mf Electrolytic Capacitor - 15 V	1.10
			22-4617	.01 Mf Disc Capacitor - 500 V. (2 req'd)	.10
			22-5173	Dual Electrolytic Capacitor - 15 V.	2.25
			43-519	Socket Contact Housing	.20
			52-1219	Three Conductor Cable	.35
			*52-1400	Phono Cable & Plug	
			63-1701	10 Ohm Resistor - 1/2 W. 10%	.17
			63-1705	12 Ohm Resistor - 1/2 W. 10% (2 req'd)	.17
			63-1768	390 Ohm Resistor - 1/2 W. 10% (3 req'd)	.17
			63-1785	1000 Ohm Resistor - 1/2 W. 10%	
			63-1870	100K Ohm Resistor - 1/2 W. 20%	
			63-1887	270K Ohm Resistor - 1/2 W. 10%	.17
			63-1932	3.3 Megohm Resistor - 1/2 W. 10%	.17
			63-4508	1.5 Ohm Resistor - 1/2 W. 10% (2 req'd)	
			63-7072	Volume Control	
			*63-7184	Tone Control	
			79-174-12	#18 Sleeving - Yellow - 1-1/2"	.03
			79-174-34	#18 Sleeving - Yellow - 4-1/4"	.10
			83-2964	Six Lug Terminal Strip	
			83-5185	Nine Lug Terminal Strip	.20
			83-5325	Seventeen Lug Terminal Strip	.55
			85-889	Battery Switch	.50
			86-334	Socket Terminal (3 required)	.10
			94-1256	Spacer Bushing (2 used on 85-889)	.03
			95-2336	Driver Transformer	2.95
			95-2337	Power Transformer	
			114-47	6-20 x 7/16 x 1/4 Hex Hd. Self-Tap. Screw - Stat Bronze (2 mt. 85-889)	2.35
			121-401	Transistor - Output - Matched (2 req'd)	1.80
			121-433	Transistor - Pre-Amp.	1.30
			125-140	Strain Relief Grommet	.10
			136-64	Fuse - 1/4 Amp.	.15
			212-71	Silicon Rectifier	1.25

PART NO.	DESCRIPTION	PRICE	PART NO.	DESCRIPTION	PRICE
CHASSIS 4NT22 PARTS					
Z-4NL	Battery (6 required when used)		58-214	Single Prong Plug (Part of S-71551)	.10
11-87	Line Cord & Plug		63-1757	220 Ohm Resistor-1/2 W. 10%(2 req'd)	.17
22-14	.0047 Mf Disc Capacitor - 500V.	.25	63-1772	470 Ohm Resistor-1/2 W. 10%(2 req'd)	.17
22-18	.0022 Mf Disc Capacitor - 500V.	.25	63-1775	560 Ohm Resistor-1/2 W. 10%(2 req'd)	.17
22-2884	5 Mf Electrolytic Capacitor - 12V. (2 required)	1.50	63-1786	1000 Ohm Resistor-1/2 W. 20%(2 req'd)	.17
22-3994	500 Mf Electrolytic Capacitor - 15V.	1.75	63-1806	3300 Ohm Resistor-1/2 W. 10%(2 req'd)	.17
22-4097	.022 Mf Mylar Capacitor - 200V.	.25	63-1807	3300 Ohm Resistor-1/2 W. 20%(2 req'd)	.17
22-4182	.33 Mf Mylar Capacitor - 200V.	.60	63-1824	8200 Ohm Resistor-1/2 W. 10%(2 req'd)	.17
22-5171	180 Mf Electrolytic Capacitor - 6V.	.75	63-1835	15K Ohm Resistor-1/2 W. 20%(2 req'd)	.17
22-5172	500 Mf Electrolytic Capacitor - 6V.	1.05	63-1852	39 K Ohm Resistor-1/2 W. 10%	.17
22-5173	Dual Electrolytic Capacitor	2.75	63-1855	47 K Ohm Resistor-1/2 W. 10%(2 req'd)	.17
43-519	Socket Contact Housing	.20	63-1869	100 K Ohm Resistor-1/2 W. 10%(2 req'd)	.17
52-1218	Phono Cable & Plug	.55	63-1880	180 K Ohm Resistor-1/2 W. 10%(2 req'd)	.17
52-1219	Three Conductor Cable		63-1883	220 K Ohm Resistor-1/2 W. 10%(2 req'd)	.17
63-1701	10 Ohm Resistor - 1/2W. 10%	.17	63-1936	3.9 Megohm Resistor-1/2 W. 10% (2 required)	.17
63-1705	12 Ohm Resistor - 1/2W. 10% (2 required)	.17	63-6461	200 Ohm Fusing Type Resistor	.45
63-1750	150 Ohm Resistor - 1/2 W. 10%	.17	63-6475	Dual Loudness Control	2.20
63-1768	390 Ohm Resistor - 1/2W. 10% (2 required)	.17	*63-6921	Dual Treble Control	2.00
63-1771	470 Ohm Resistor - 1/2W. 10%	.17	*63-6922	Dual Bass Control	2.00
63-1775	560 Ohm Resistor - 1/2W. 10%	.17	*63-6923	Balance Control	.85
63-1813	4700 Ohm Resistor - 1/2W. 10%	.17	*78-1500	Transistor Socket (2 required)	.30
63-1817	5600 Ohm Resistor - 1/2W. 10% (2 required)	.17	*79-174-10	#18' Sleeving- Yellow- 1 1/4" (6 required)	
63-1831	12K Ohm Resistor - 1/2W. 10%		83-5048	Four Lug Terminal Strip	.10
63-1866	82K Ohm Resistor - 1/2W. 10%	.17	83-5049	Six Lug Terminal Strip	.15
63-1869	100K Ohm Resistor - 1/2W. 10%		83-5050	Eight Lug Terminal Strip	.20
63-1932	3.3 Megohm Resistor - 1/2W. 10%	.17	*83-5935	Eighteen Lug Terminal Strip	.35
63-5951	1.5 Ohm Resistor - 1 W. 10% (2 required)		*83-5936	Transistor Insulating Strip (1 part of ea. 800-180)	.03
63-6319	Tone Control	.80	86-329	Connector Terminal (4 required-Used on Speaker Leads)	.03
63-6379	Volume Control	.90	86-334	Socket Terminal (4 used on 52-1284)	.10
79-174-8	#18 Sleeving - Yellow - 1"	.03	*90-787	Spacer Sleeve (1 used on ea. 94-1171)	
79-174-12	#18 Sleeving - Yellow - 1-1/2"	.03	94-1171	Insulating Bushing (2 Mt. one 800-180)	.10
79-174-34	#18 Sleeving - Yellow - 4-1/4"	.10	*95-2458	Output Transformer (2 required)	4.75
83-2964	Six Lug Terminal Strip		*114-1038	6-20 x 3/8 x 1/4 Hex Hd. Self-Tap. Screw-Cadmium (2 Mt. ea. 800-180)	.03
83-5286	Eight Lug Terminal Strip	.20	121-433	Transistor - Pre-Amp (2 required)	.90
83-5325	Seventeen Lug Terminal Strip		121-434	Transistor - Driver (2 required)	.90
85-889	Battery Switch	.50	125-96	Grommet (Used on 11-183)	.10
86-334	Socket Terminal (3 required)	.10	205-51	Silicone Grease (Part of 800-180)	.16
90-697	Spacer (2 Used On 85-889)		212-71	Silicon Rectifier	1.25
95-2336	Drive Transformer	2.95	*800-180	Output Transistor Assembly (Matched Pairs)	
95-2337	Power Transformer	2.35	*S-71551	Phono Input Cable Assembly	
114-47	6-20 x 7/16 x 1/4 Hex Hd. Self-Tap. Screw - Stat. Bronze (2 Mt. 85-889)	.03	CHASSIS 6YT01		
121-401	Transistor - Output-Matched (2 required)	1.75	12-4009	Tuner Bracket	.36
121-408	Transistor Pre-Amp	1.30	*12-4758	Coil Mounting Bracket	
121-409	Transistor - Drive	1.30	17-143	Nylon Clamp	.20
125-140	Strain Relief Grommet	.10	19-322	Coil Mounting Clip (1 used on ea. S-65043 & S-71997)	.05
136-64	Fuse - 1/4 Amp.	.15	*24-1621	Tuner Cover	
*212-71	Silicon Rectifier	1.25	*26-1466	Dial Scale	.25
or			43-519	Socket Contact Housing	.20
212-27	Silicon Rectifier	2.00	52-1241	Three Contact Cable	.45
CHASSIS 6XT20					
11-183	AC Line Cord	.80	*52-1425	Two Conductor Shielded Cable	
22-3	.01 Mf Disc Capacitor - 500V. (2 req'd)	.30	54-139	3/8-32 x 9/16 Palnut (Used on 114-809)	.03
22-18	.0022 Mf Disc Capacitor - 500V. (2 req'd)	.25	56-426	Roll Pin (6 required)	.05
*22-2793	.047 Mf Capacitor - 400V. (2 required)		58-214	Single Prong Plug (2 required)	.10
22-3071	220 Pf Disc Capacitor - 500V. (2 req'd)	.25	*59-862	Pointer	
22-3317	.1 Mf Capacitor - 200V. (2 required)	.35	61-222	Idle Pulley (4 required)	.20
*22-3415	.0068 Mf Disc Capacitor - 25V. (2 req'd)	.45	*64-1002	Brass Eyelet - Amer. Brass #SE55	
22-3441	.22 Mf Capacitor - 50V. (2 required)		76-1141	Guide Shaft	.10
22-3615	1 Mf Electrolytic Capacitor - 25V. (4 required)	1.55	76-1399	Drive Shaft Extension	.25
22-3896	5 Mf Electrolytic Capacitor - 25V. (2 required)	1.00	*76-1745	Drive Shaft	
22-4636	Dual Electrolytic Capacitor	2.05	78-1099	Three Contact Socket (Part of S-77235)	.20
22-5234	Dual Electrolytic Capacitor	1.80	80-1467	Retaining Spring	.05
43-519	Socket Contact Housing (Used on 52-1284)	.20	80-1468	Grounding Spring	.05
*52-1284	Four Conductor Cable - 17 1/2" (Used on 43-519)		80-1763	Retaining Spring	.03
			*80-1965	Drive Cord Tension Spring (Gang)	
			*80-1966	Drive Cord Tension Spring (Pointer)	
			83-3561	Cable Retaining Strip	.05
			83-3862	Pointer Support Strip	.20
			83-4125	Two Lug Terminal Strip	.10
			83-5785	One Lug Terminal Strip	.10

PART NO.	DESCRIPTION	PRICE	PART NO.	DESCRIPTION	PRICE
CHASSIS 6YT01 (Cont'd.)			86-464	Connector Terminal - Green Wire & Yellow Wire (4 required)	
83-6208	Single Lug Terminal Strip		*86-480	Connector Terminal - Blue Wire (2 req'd)	
*83-6342	Alignment Strip		90-743	Spacer Sleeve (1 Used On Ea. 94-1171)	
*83-6343	Dial Background Strip		94-1171	Insulating Bushing (2 required)	.10
	Position Bandswitch		94-1381	Insulating Bushing (4 required)	
86-334	Socket Terminal (3 required)	.10	*95-2565	Output Transformer	
86-370	Socket Terminal (5 required)	.03	*95-2566	Output Transformer	
86-441	Insulator Feed-Thru Terminal (3 req'd)	.05	112-1717	6-32 x 3/8 Phillips Pan Hd. Mach. Screw - Cadmium (2 Join Ea. 12-4775 & 800-203)	
94-613	Iron Core Bushing (2 required)	.10	114-802	8-18 x 5/16 Hex Washer Hd. Self-Tap. Screw-Stat. Bronze (3 Join ea. 57-6519 & Chassis)	.03
113-110	6-32 x 3/16 x 1/4 Hex Hd. Mach. Screw-N.P. - Internal Lockwasher Att. (2 Mt. 22-4843 & 2 join 12-4758 & Chassis)	.03	114-862	8-18 x 1/2 Hex Washer Hd. Self-Tap. Screw - Stat. Bronze (2 Used On 12-4775)	.03
114-344	6-20 x 1/4 x 1/4 Hex Hd. Self-Tap. Screw-Stat. Bronze (2 used on S-77014)	.03	121-430	Transistor - Driver (2 required)	1.10
114-809	8-18 x 3/16 x 1/4 Hex Hd. Self-Tap. Screw-Stat. Bronze (2 used on ea. 83-6342 & 83-6343 & 2 join ea. 22-4843 & Chassis & 17-143 & Chassis)	.03	121-433	Transistor - Pre-Driver (2 required)	1.30
125-26	Rubber Grommet	.03	125-96	Strain Relief Grommet (Used On 11-183)	.10
*126-1297	Tuner Shield		205-51	Silicone Grease (Part Of 800-203)	.16
149-368	Iron Core & Spring	.30	212-71	Silicon Rectifier	1.25
149-385	Iron Core & Spring	.30	800-203	Output Transister Assembly (2 req'd) (121-436)	5.25
188-232	Clamping Ring (2 required)	.03	*S-77368	Phono Input Cable Assembly	
S-57222	Pointer Support Strip & Ring Assembly (2 required)	.15	CHASSIS 6YT24		
*S-77231	Chassis Mounting Bracket - R.H.		22-2939	680 Pf Disc Capacitor - 500V. (2 req'd)	.25
*S-77235	Chassis Mounting Bracket - L.H.		22-3878	2000 Mf Electrolytic Capacitor - 75V.	7.10
*S-77264	Drive Cord & Eyelet Assembly (Pointer)		22-3881	1500 Mf Electrolytic Capacitor - 50V.	5.00
*S-77265	Drive Cord & Eyelet Assembly (Pointer)		22-4367	.1 Mf Capacitor - 200V.	
*S-77266	Drive Cord & Eyelet Assembly (Gang)		22-4369	.1Mf Capacitor - 400V.	.40
			22-4601	.01 Mf Disc Capacitor - 1KV.	.20
			22-4666	.001 Mf Disc Capacitor - 1KV.	.40
			22-4673	500 Mf Electrolytic Capacitor - 50V. (2 required)	3.45
CHASSIS 6YT21			22-5162	Three Section Electrolytic Capacitor - 50V./50V./25V.	6.00
11-183	A.C. Line Cord	.80	22-5262	100 Mf Electrolytic Capacitor - 50V.	1.45
*12-4775	Heat Sink Bracket (2 required)		*22-5455	50 Mf Electrolytic Capacitor - 50V.	
22-24	2 x .0047 Mf Disc Capacitor - 500V.	.40	43-333	Three Contact Housing (Male)	.20
22-2793	.047 Mf Capacitor - 400V. (2 required)		43-573	Six Contact Housing (Female)	.45
22-3298	470 Pf Capacitor - 500V. (2 required)	.25	43-574	Nine Contact Housing (Female)	.35
22-3415	.0068 Mf Capacitor - 25V. (2 required)	.25	54-579	10-32 x 3/8 x 3/16 Thick - Hex Nut - Cadmium (1 Used On Ea. 212-62)	.03
22-3527	.22 Mf Capacitor - 12V. (2 required)	.60	62-30	Fuse Holder	.40
22-3615	1 Mf Electrolytic Capacitor - 25V. (4 required)	1.55	63-1747	120 Ohm Resistor - 1/2W. 10%	.17
22-4346	.047 Mf Capacitor - 400V.		63-1757	220 Ohm Resistor - 1/2W. 10%	.17
*22-4853	Dual Electrolytic Capacitor - 150V./25V.		63-1761	270 Ohm Resistor - 1/2W. 10%	.17
22-5251	.15 Mf Disc Capacitor - 12V. (2 required)	.45	63-1810	3900 Ohm Resistor - 1/2W. 10% (2 req'd)	.17
43-519	Contact Housing (Female) (Used On 52-1435)	.20	63-1820	6800 Ohm Resistor - 1/2W. 10% (2 req'd)	.17
*52-1435	Four Conductor Cable - 7-1/2" (Used On 43-519)		63-1827	10K Ohm Resistor - 1/2W. 10% (2 req'd)	.17
54-778	6-32 Palnut (4 Used On 112-1717)		63-1912	1 Megohm Resistor - 1/2W. 20%	.17
*57-6519	Chassis End Plate		63-5217	2 Ohm Resistor - 10W. 10%	.80
63-1722	33 Ohm Resistor - 1/2W. 10% (2 req'd)	.17	63-5282	.39 Ohm Resistor - 5W. 5% (2 required)	.75
63-1736	68 Ohm Resistor - 1/2W. 10% (2 req'd)	.17	63-5367	0.43 Ohm Resistor - 5W. 5% (2 required)	.75
63-1757	220 Ohm Resistor - 1/2W. 10% (2 req'd)	.17	63-5369	220 Ohm Resistor - 5W. 10%	.75
63-1782	820 Ohm Resistor - 1/2W. 10% (2 req'd)	.17	63-5638	180 Ohm Resistor - 2W. 10% (2 required)	.34
63-1817	5600 Ohm Resistor - 1/2W. 10% (2 req'd)	.17	63-5641	220 Ohm Resistor - 2W. 20% (2 required)	.34
63-1820	6800 Ohm Resistor - 1/2W. 10% (2 req'd)	.17	63-5663	680 Ohm Resistor - 2W. 10% (2 required)	.30
63-1824	8200 Ohm Resistor - 1/2W. 10% (2 req'd)	.17	63-5961	2.7 Ohm Resistor - 1W. 10% (4 required)	.25
63-1827	10K Ohm Resistor - 1/2W. 10% (2 req'd)	.17	63-6442	560 Ohm Resistor - 3W. 10% (2 required)	.30
63-1834	15K Ohm Resistor - 1/2W. 10%	.17	*63-7311	160 Ohm Resistor - 5W. 10%	
63-1869	100K Ohm Resistor - 1/2W. 10% (2 req'd)	.17	78-402	Four Contact Housing	
63-1890	330K Ohm Resistor - 1/2W. 10% (2 req'd)	.17	78-1347	Electrolytic Socket (3 required)	.10
63-1932	3.3 Megohm Resistor - 1/2W. 10% (2 req'd)	.17	78-1486	Two Contact Transistor Socket (6 req'd)	.35
63-6461	200 Ohm Fusing Type Resistor	.55	83-3881	Four Lug Terminal Strip	.20
*63-7336	Dual Tone Control		83-4203	Three Lug Terminal Strip	.05
*63-7337	Balance Control		83-4633	Felt Strip	.03
*63-7338	Dual Loudness Control		83-5277	Insulating Strip - Transistor (6 required)	.03
79-174-37	#18 Sleeving - Yellow - 4-5/8"	.05	83-5284	Five Lug Terminal Strip (6 required)	.15
*83-6360	Eighteen Lug Terminal Strip		83-5291	Insulating Strip (Used On 83-5284) (6 required)	.03
*83-6361	Terminal Strip		86-303	Terminal - Male (3 required)	.04
86-329	Connector Terminal (4 required - Used On Speaker Leads)	.03	86-328	Wire Retaining Terminal (2 required)	.03
86-334	Socket Terminal (4 Used On 52-1435)	.10	86-389	Terminal - Female (15 required)	.03
			93-369	Internal Lockwasher - Shakeproof #1210 (1 Used On Ea. 212-62)	.03

PART NO.	DESCRIPTION	PRICE
CHASSIS 6YT24 (Cont'd.)		
95-2425	Power Transformer	35.00
95-2427	Transformer - Driver	4.30
95-2428	Transformer - Driver	4.25
102-6296	Label (Speaker Lead Connection)	.03
114-601	10-16 x 1/2 x 5/16 Hex Washer Hd. Self-Tap. Screw - Stat. Bronze (4 Mt. 95-2425)	.04
114-801	8-18 x 5/16 x 1/4 Hex Hd. Self-Tap. Screw - Stat. Bronze (4 Mt. Ea. S-73152)	.03
*114-999	6-32 x 1/2 Hex Washer Hd. Self-Tap. Screw - Special (2 Mt. Ea. 121-271 & 121-382)	3.20
121-271	Transistor - Driver (2 required)	8.40
121-382	Transistor - Power (4 required)	.35
136-61	Fuse - 3 Amp.	3.10
212-62	Silicon Rectifier (2 required)	4.30
S-73152	Heat Sink Assembly (2 required)	

CHASSIS 8YT02		
12-4228	Heat Sink (2 required)	.35
17-126	Cable Clamp	.10
17-141	Cable Clamp (Used On S-63542)	.20
19-546	Capacitor Mounting Clip (Used On 22-5474)	.25
22-18	.0022 Mf Disc Capacitor - 500V. (2 req'd)	.30
22-2704	.0068 Mf Disc Capacitor - 500V. (2 req'd)	.35
22-3014	820 Pf Mica Capacitor - 500V. (2 req'd)	.45
22-3034	.05 Mf Disc Capacitor - 25V. (2 req'd)	.30
22-3630	.068 Mf Capacitor - 50V. (2 required)	.50
22-3654	.47 Mf Electrolytic Capacitor - 3V. (2 required)	1.00
22-3896	5 Mf Electrolytic Capacitor - 25V. (4 required)	.10
22-4617	.01 Mf Disc Capacitor - 500V. (2 required)	3.20
22-5167	1000 Mf Electrolytic Capacitor - 30V. (2 required)	2.45
22-5175	200 Mf Electrolytic Capacitor - 25V. (2 required)	.25
22-5182	.033 Mf Capacitor - 50V. (2 required)	.50
22-5258	.22 Mf Disc Capacitor - 12V. (2 req'd)	
*22-5474	2000 Mf Capacitor - 30V.	.45
*22-5475	500 Mf Capacitor - 25V.	.03
43-573	Socket Contact Housing - Female	.17
54-139	3/8-32 x 9/16 Palnut (1 Mts. Ea. 63-6371, 63-7334 & 63-7335)	.17
63-1740	82 Ohm Resistor - 1/2W. 10% (2 req'd)	.17
63-1754	180 Ohm Resistor - 1/2W. 10%	.17
63-1757	220 Ohm Resistor - 1/2W. 10%	.17
63-1796	1800 Ohm Resistor - 1/2W. 10% (2 req'd)	.17
63-1820	6800 Ohm Resistor - 1/2W. 10% (2 req'd)	.17
63-1848	33K Ohm Resistor - 1/2W. 10% (2 req'd)	.17
63-1855	47K Ohm Resistor - 1/2W. 10% (4 req'd)	.17
63-1856	47K Ohm Resistor - 1/2W. 20% (2 req'd)	.17
63-1862	68K Ohm Resistor - 1/2W. 10%	.17
63-1869	100K Ohm Resistor - 1/2W. 10% (2 req'd)	.17
63-1880	180K Ohm Resistor - 1/2W. 10% (2 req'd)	.17
63-1883	220K Ohm Resistor - 1/2W. 10% (2 req'd)	.17
63-1908	820K Ohm Resistor - 1/2W. 10% (2 req'd)	.17
63-1912	1 Megohm Resistor - 1/2W. 20%	.15
63-4512	1.8 Ohm Resistor - 1/2W. 10% (4 req'd)	.15
63-4526	3.9 Ohm Resistor - 1/2W. 10% (4 req'd)	.20
63-6049	330 Ohm Resistor - 1W. 10% (4 req'd)	2.00
63-6371	Dual Treble Control	
*63-7324	2 Ohm Resistor - 3W. 10%	
*63-7334	Dual Bass Control & Switch	
*63-7335	Dual Loudness Control	
79-174-12	#18 Sleeving - Yellow - 1-1/2"	.03
83-3042	Rubber Strip (2 required)	.20
83-5052	6 Lug Terminal Strip - Grip Type	.03
83-5054	Insulating Strip (Used On 83-5052)	.65
83-5326	24 Lug Terminal Strip - Grip Type	1.20
83-5327	52 Lug Terminal Strip - Grip Type	.10
83-5345	3 Lug Terminal Strip - (2 required)	.03
86-371	Socket Terminal (5 Used On 43-573)	.10
94-1171	Insulating Bushing (3 required)	

PART NO.	DESCRIPTION	PRICE
95-2340	Transformer - Driver (2 required)	2.95
95-2353	Transformer - Power	4.80
103-96	Zener Diode	1.90
114-801	8-18 x 5/16 x 1/4 Hex Hd. Self-Tap. Screw - Stat. Bronze (1 Mts. Ea. 95-2340 & 95-2353)	.03
114-802	8-18 x 5/16 x 1/4 Hex Washer Hd. Self-Tap. Screw - Stat. Bronze (1 Used On Ea. 12-4228)	.03
114-816	8-18 x 5/16 Hex Hd. Self-Tap. Screw - Stat. Bronze - Flat Washer Att. (1 Used On Ea. 17-126 & 17-141)	.05
121-403	Transistor (4 required)	1.65
121-433	Transistor - Pre-Amp (2 required)	1.30
*121-610	Transistor - Driver (2 required)	.03
199-350	Spacer Sleeve (1 Used On Ea. 94-1171)	1.25
212-71	Silicon Rectifier (2 required)	1.25
S-63542	Phono Input Cable Assembly	

CHASSIS 10NT01 PARTS

*11-210	A.C. Line Cord & Plug	1.45
17-181	Cable Clamp	.03
22-3034	.05 Mf Disc Capacitor - 25V. (2 required)	.45
22-3393	.01 Mf Disc Capacitor - 25V. (4 required)	.25
22-3615	1 Mf Electrolytic Capacitor - 25V. (2 required)	1.25
22-3654	.47 Pf Disc Capacitor - 3V. (2 required)	.45
22-3896	5 Mf Electrolytic Capacitor - 25V. (2 required)	1.00
22-4628	2 x 100 Mf Electrolytic Capacitor - 15V.	1.60
22-5167	1000 Mf Electrolytic Capacitor - 30V.	3.20
22-5168	300 Mf Electrolytic Capacitor - 25V. (2 required)	1.35
22-5251	.15 Mf Disc Capacitor - 12V.	.45
*22-5257	.1 Mf Disc Capacitor - 12V. (6 required)	.40
*22-5258	.22 Mf Disc Capacitor - 12V. (2 required)	.50
*22-5259	.0082 Mf Disc Capacitor - 500V. (2 required)	.30
*22-5260	2 x 500 Mf Electrolytic Capacitor - 25V.	.10
23-23	Wire Connector	.20
43-519	Socket Housing (Male)	
*52-1223	Two Conductor Shielded Lead (Phono Cable)	
*52-1270	Three Conductor Cable	
54-139	3/8 x 9/16 Palnut - Cadmium (Used On 63-6481)	.03
54-271	6-32 x 1/4 Palnut (1 Used On Ea. 114-58)	.03
58-214	Single Prong Plug (2 Used On 52-1223)	.10
63-1736	68 Ohm Resistor - 1/2W. 10% (3 required)	.17
63-1747	120 Ohm Resistor - 1/2W. 10% (2 required)	.17
63-1761	270 Ohm Resistor - 1/2W. 10% (2 required)	.17
63-1772	470 Ohm Resistor - 1/2W. 20% (2 required)	.17
63-1782	820 Ohm Resistor - 1/2W. 10% (2 Used On Bass Control)	.17
63-1796	1800 Ohm Resistor - 1/2W. 10% (2 required)	.17
63-1799	2200 Ohm Resistor - 1/2W. 10% (2 required)	.17
63-1800	2200 Ohm Resistor - 1/2W. 20% (2 required)	.17
63-1803	2700 Ohm Resistor - 1/2W. 10% (4 required)	.17
63-1813	4700 Ohm Resistor - 1/2W. 10% (2 required)	.17
63-1849	33K Ohm Resistor - 1/2W. 20% (2 required)	.17
63-1866	82K Ohm Resistor - 1/2W. 10% (2 required)	.17
63-1873	120K Ohm Resistor - 1/2W. 10% (2 required)	.17

PART NO.	DESCRIPTION	PRICE	PART NO.	DESCRIPTION	PRICE
CHASSIS 10NT01 (Cont'd.)					
63-1876	150K Ohm Resistor - 1/2W. 10% (2 required)	.17	*83-5975	Transistor Terminal Strip	
63-1897	470 Ohm Resistor - 1/2W. 10% (2 required)	.17	*83-6015	Seventeen Lug Terminal Strip	
63-1911	1 Megohm Resistor - 1/2W. 10% (2 required)		86-334	Terminal (3 Used On 43-519)	.10
63-4533	5.6 Ohm Resistor - 1/2W. 10% (4 required)	.17	86-389	Terminal - Female (6 Used On 43-574)	.03
63-5944	1 Ohm Resistor - 1W. 10% (4 required)		*95-2475	Driver Transformer (2 required)	
63-6021	68 Ohm Resistor - 1W. 10%	.20	*95-2476	Power Transformer	
63-6052	390 Ohm Resistor - 1W. 10% (2 required)	.25	114-271	6-20 x 1/2 x 1/4 Hex Hd. Self-Tap.	
63-6480	Dual Tone Control (2 required)	2.65		Screw - Stat. Bronze (2 Mt. 121-398)	.03
*63-6481	Dual Loudness Control	2.55	114-801	8-18 x 5/16 x 1/4 Hex Hd. Self-Tap.	
83-3265	Five Lug Terminal Strip	.10		Screw - Stat. Bronze (1 Mts. 95-2475)	.03
83-3652	Three Lug Terminal Strip	.05	114-802	8-18 x 5/16 x 1/4 Hex Washer Hd. Self-Tap.	
83-5277	Insulating Strip (1 Used On Ea. 121-418)	.03		Screw - Stat. Bronze (4 Mt. 95-2476)	.03
*83-5577	Terminal Board	1.20	*121-544	Transistor - Driver (2 required)	
86-199	Terminal - Shakeproof (1 Used On Chassis Base & 1 Used On Ea. 121-418)	.03	125-96	Strain Relief Grommet (Used On 11-87)	.10
86-344	Connector Terminal (3 Used On 52-1270)	.03	126-1106	Heat Dissipator (Used On 121-544)	.10
93-415	#6 External Lockwasher - Shakeproof (1 Used On Ea. 83-3265 & 83-3652)	.03	205-51	Dow Corning Heat Conductive Grease (Part of 800-196)	.16
93-542	Shoulder Washer (2 Used On Ea. 121-418)		212-71	Silicon Rectifier	1.25
*95-2386	Power Transformer	6.30	*800-196	Power Output Transistor - Matched Pair (2 required)	
*95-2388	Driver Transformer (2 required)	2.90	CONTROL PANEL PRE-AMP COMPONENTS		
114-58	6-32 x 3/8 Hex Hd. Mach. Screw - N.P. (2 Used On Ea. 121-418)	.03	*12-4525	Control & Transistor Mtg. Bracket	
114-801	8-18 x 5/16 x 1/4 Hex Hd. Self-Tap. Screw - Stat. Bronze (1 Used On Chassis Base & 1 Used On Ea. 95-2388)	.03	22-13	.0033 Mf Disc Capacitor - 500V. (2 required)	.25
*121-417	Transistor - Driver (2 required)	.85	22-2703	220 Pf Disc Capacitor - 500V. (2 req'd)	.25
*121-418	Transistor - Power Output (4 required)	3.55	22-2884	5 Mf Electrolytic Capacitor - 12V. (2 required)	1.50
121-433	Transistor - Pre-Amp (4 required)	.90	22-3034	.05 Mf Disc Capacitor - 25V. (2 req'd)	.45
*212-71	Silicon Rectifier (2 required)	1.25	22-3595	.33 Mf Capacitor - 50V. (6 required)	.60
or			22-3678	.047 Mf Capacitor - 100V. (2 required)	
212-27	Rectifier (2 required)	2.00	22-3710	.22 Mf Capacitor - 50V. (2 required)	.50
205-51	Dow Corning #340 Silicone Grease	.16	22-4110	.033 Mf Capacitor - 200V. (2 required)	.30
CHASSIS 10XT26			22-5018	.47 Mf Capacitor - 50V. (4 required)	.60
11-87	A.C. Line Cord		*22-5361	1.5 Mf Electrolytic Capacitor - 30V. (2 required)	
*19-535	Retaining Clip (2 required)		43-571	Socket Contact Housing	.30
22-14	.0047 Mfd. Disc Capacitor - 500V. (4 required)	.25	54-139	3/8-32 Palnut (1 Mts. Ea. 63-6938 69-6939 & 63-6940)	
22-3973	100 Mfd. Electrolytic Capacitor - 25V. (2 required)	1.00	58-214	Single Prong Plug (2 Part Of S-69705)	.10
*22-4577	50 Mfd. Electrolytic Capacitor - 25V.		63-1736	68 Ohm Resistor - 1/2W. 10% (2 req'd)	.17
22-4601	.01 Mfd. Disc Capacitor - 1000V.	.20	63-1764	330 Ohm Resistor - 1/2W. 10% (2 req'd)	.17
22-5316	500 Mfd. Electrolytic Capacitor - 50V. (4 required)	2.50	63-1785	1000 Ohm Resistor - 1/2W. 10% (2 req'd)	.17
*22-5362	1000 Mfd. Electrolytic Capacitor - 50V.		63-1799	2200 Ohm Resistor - 1/2W. 10% (2 req'd)	.17
43-519	Socket Contact Housing - Male	.20	63-1806	3300 Ohm Resistor - 1/2W. 10% (2 req'd)	.17
43-574	Nine Contact Housing - Female	.35	63-1810	3900 Ohm Resistor - 1/2W. 10% (2 req'd)	.17
*44-72	Speaker Jack		63-1813	4700 Ohm Resistor - 1/2W. 10% (2 req'd)	.17
*52-1339	Three Conductor Cable - Phono (Used On 43-519)		63-1852	39K Ohm Resistor - 1/2W. 10% (2 req'd)	.17
*52-1342	Three Conductor Cable - Speaker (Used On 43-574)		63-1862	68K Ohm Resistor - 1/2W. 10% (2 req'd)	.17
*57-6328	Heat Sink Plate (2 required)		63-1866	82K Ohm Resistor - 1/2W. 10% (2 req'd)	.17
63-1768	390 Ohm Resistor - 1/2W. 10% (2 req'd)	.17	63-1876	150K Ohm Resistor - 1/2W. 10% (2 req'd)	.17
63-1827	10K Ohm Resistor - 1/2W. 10% (2 req'd)	.17	63-1883	220K Ohm Resistor - 1/2W. 10% (2 req'd)	.17
63-1848	33K Ohm Resistor - 1/2W. 10%	.17	63-1897	470K Ohm Resistor - 1/2W. 10% (4 req'd)	.17
63-4519	2700 Ohm Resistor - 1/2W. 10% (4 req'd)	.17	63-1911	1 Megohm Resistor - 1/2W. 10% (2 req'd)	.17
63-5305	.51 Ohm Resistor - 5W. 5% (4 required)	.75	63-1943	5.6 Megohm Resistor - 1/2W. 10% (2 required)	.17
63-6003	27 Ohm Resistor - 1W. 10%	.25	*63-6938	Dual Treble Control	
63-6031	120 Ohm Resistor - 1W. 10%	.25	*63-6939	Dual Loudness Control	
63-6042	220 Ohm Resistor - 1W. 10% (2 req'd)	.25	*63-6940	Dual Bass Control & Switch	
63-6049	330 Ohm Resistor - 1W. 10% (2 req'd)	.20	79-174-12	#18 Sleeving - Yellow - 1-1/2" (6 req'd)	.03
78-1486	Two Contact Transistor Socket (4 req'd)	.35	83-1475	Amite Strip	.03
*78-1700	Dial Light Socket & Wire		83-5288	13 Lug Terminal Strip (2 required)	.35
83-5277	Insulating Strip (2 Part of 800-196)	.03	83-5385	7 Lug Terminal Strip	.15
83-5386	Nine Lug Terminal Strip	.20	*83-5975	Transistor Terminal Strip (2 required)	
			86-390	Terminal (6 Used On 43-571)	.03
			94-1035	Spacer	.10
			114-562	6-18 x 1-1/2" x 1/4 Hex Hd. Self-Tap.	
				Screw - Stat. Bronze	.02
			121-433	Transistor - Pre-Amp. (2 required)	.90
			*121-543	Transistor - Pre-Driver (2 required)	
			*198-11	Dial Scale Reflector	
			S-69705	Shielded Lead & Plug Assembly	

* Indicates parts not previously used

PART NO.	DESCRIPTION	PRICE	PART NO.	DESCRIPTION	PRICE
18YT20 CHASSIS PARTS					
11-106	Line Cord	1.00	63-1764	330 Ohm Resistor - 1/2W. 10% (3 req'd)	.17
12-4009	Tuner Bracket	.36	63-1768	390 Ohm Resistor - 1/2W. 10% (2 req'd)	.17
12-4228	Heat Sink (2 required)	.35	63-1771	470 Ohm Resistor - 1/2W. 10% (7 req'd)	.17
12-4409	Switch Mtg. Bracket	.40	63-1772	470 Ohm Resistor - 1/2W. 20% (3 req'd)	.17
12-4411	Antenna Mtg. Bracket	.03	63-1775	560 Ohm Resistor - 1/2W. 10%	.17
19-238	Coil Mtg. Clip (Used On S-66580)	.10	63-1778	680 Ohm Resistor - 1/2W. 10% (2 req'd)	.17
19-322	Coil Mtg. Clip (3 required)	.05	63-1782	820 Ohm Resistor - 1/2W. 10% (2 req'd)	.17
20-1256	Trap Coil	.50	63-1785	1K Ohm Resistor - 1/2W. 10% (5 req'd)	.17
20-1422	Trap Coil	.75	63-1789	1200 Ohm Resistor - 1/2 W. 10%	.17
22-13	.0033 Mf Disc Capacitor - 500V. (2 req'd)	.25	63-1792	1500 Ohm Resistor - 1/2W. 10% (3 req'd)	.17
22-14	.0047 Mf Disc Capacitor - 500V. (2 req'd)	.25	63-1796	1800 Ohm Resistor - 1/2W. 10% (2 req'd)	.17
22-18	.0022 Mf Disc Capacitor - 500V. (2 req'd)	.25	63-1799	2200 Ohm Resistor - 1/2W. 10%	.17
22-2428	1.8 Pf Gimmick Capacitor - 500V. (2 required)	.25	63-1803	2700 Ohm Resistor - 1/2W. 10%	.17
22-2729	.001 Mf Disc Capacitor - 25V.	.25	63-1806	3300 Ohm Resistor - 1/2W. 10% (2 req'd)	.17
22-3010	.01 Mf Disc Capacitor - 25V.	.45	63-1813	4700 Ohm Resistor - 1/2W. 10% (4 req'd)	.17
22-3033	.02 Mf Disc Capacitor - 25V.	.35	63-1817	5600 Ohm Resistor - 1/2W. 10%	.17
22-3034	.05 Mf Disc Capacitor - 25V. (15 required)	.45	63-1820	6800 Ohm Resistor - 1/2W. 10% (4 req'd)	.17
22-3177	390 Pf Disc Capacitor - 500V. (3 req'd)	.25	63-1824	8200 Ohm Resistor - 1/2W. 10% (2 req'd)	.17
22-3400	3.9 Pf Gimmick Capacitor - 500V.	.45	63-1828	10K Ohm Resistor - 1/2W. 10%	.17
22-3448	10 Mf Electrolytic Capacitor - 15V.	1.00	63-1834	15K Ohm Resistor - 1/2W. 10% (3 req'd)	.17
22-3550	3.3 Pf Gimmick Capacitor - 500V.		63-1838	18K Ohm Resistor - 1/2W. 10%	
22-3630	.068 Mf Mylar Capacitor - 50V. (2 req'd)	.30	63-1841	22K Ohm Resistor - 1/2W. 10%	
22-3644	820 Pf Mica Capacitor - 100V. (2 req'd)	.75	63-1845	27K Ohm Resistor - 1/2W. 10%	.17
22-3645	1000 Pf Mica Capacitor - 100V.	.75	63-1848	33K Ohm Resistor - 1/2W. 10% (3 req'd)	.17
22-3675	10 Pf Disc Capacitor - 500V.	.25	63-1855	47K Ohm Resistor - 1/2W. 10% (6 req'd)	
22-3710	.22 Mf Capacitor - 50V. (2 required)	.50	63-1859	56K Ohm Resistor - 1/2W. 10%	
22-3896	5 Mf Electrolytic Capacitor - 25V. (8 required)	1.00	63-1869	100K Ohm Resistor - 1/2W. 10% (4 req'd)	.17
22-3973	100 Mf Electrolytic Capacitor - 25V.	1.00	63-1880	180K Ohm Resistor - 1/2W. 10% (4 req'd)	
22-4523	1.1 Pf Gimmick Capacitor - 500V. (2 required)	.25	63-1883	220K Ohm Resistor - 1/2W. 10% (2 req'd)	.17
22-4613	Feed-Thru Capacitor - 500V. (5 required)	.10	63-1897	470K Ohm Resistor - 1/2W. 10%	.17
22-4617	.01 Mf Disc Capacitor - 500V. (2 req'd)	.10	63-1912	1 Megohm Resistor - 1/2W. 20%	.17
or			63-1932	3.3 Megohm Resistor - 1/2W. 10%	.17
22-3	.01 Mf Disc Capacitor - 500V. (2 req'd)	.30	63-3238	Potentiometer	
22-4619	2 x 100 Mf Electrolytic Capacitor - 6V.	1.15	63-4143	100 Ohm Resistor - 1/4W. 10%	.17
22-4620	Electrolytic Capacitor	2.85	63-4196	1800 Ohm Resistor - 1/4W. 10%	.17
22-4674	Two Section Variable Capacitor	3.50	63-4199	2200 Ohm Resistor - 1/4W. 10%	.17
22-5018	.47 Mf Capacitor - 50V.	.60	63-4231	12K Ohm Resistor - 1/4W. 10%	.17
22-5021	.0068 Mf Disc Capacitor - 1KV. (2 req'd)	.30	63-4297	470K Ohm Resistor - 1/4W. 10%	.17
22-5037	.005 Mf Disc Capacitor - 25V. (3 req'd)		63-4512	1.8 Ohm Resistor - 1/2W. 10% (4 req'd)	.15
22-5130	8 Pf Disc Capacitor - 500V.	.15	63-4526	3.9 Ohm Resistor - 1/2W. 10% (4 required)	.15
22-5167	1000 Electrolytic Capacitor - 30V.	3.20	63-4533	5.6 Ohm Resistor - 1/2W. 10%	.17
22-5175	200 Mf Electrolytic Capacitor - 25V.	1.05	63-5614	47 Ohm Resistor - 2W. 10%	.34
22-5182	.033 Mf Capacitor - 50V. (2 required)	.25	63-6049	330 Ohm Resistor - 1W. 10% (2 req'd)	.20
22-5188	.1 Mf Capacitor - 50V.	.35	63-6495	Potentiometer	1.20
22-5321	36 Pf Disc Capacitor - 500V.	.15	63-6853	Dual Treble Control	2.60
*22-5487	.047 Mf Disc Capacitor - 3V. (2 required)		63-6854	Dual Loudness Control	3.90
24-1473	Tuner Cover	.30	63-6855	Dual Bass Control	2.75
*26-1404	Dial Scale (Part Of S-75906)		76-1403	Tuner Guide Shaft	.10
43-519	Contact Housing	.20	*76-1734	Tuning Shaft	
46-5156	Tone Control Knob (2 required)	1.35	78-1378	Four Contact Transistor Socket (2 req'd)	.40
46-5157	Tuning Knob	1.80	78-1442	Transistor Socket	.30
46-5158	Dual Loudness Control	1.05	78-1489	Stereo Indicator Light Socket & Wire	.85
46-5217	Balance Control Knob	1.75	78-1622	Three Contact Transistor Socket (4 req'd)	
46-5414	Bandswitch Knob	2.15	78-1677	Four Contact Transistor Socket (3 req'd)	.40
*46-5648	Push Button - Stereo - Monaural		79-209-8	#22 Sleeving - Yellow - 1" (Part of 800-205)	
52-1241	Three Conductor Cable	.45	79-210-8	#22 Sleeving - Green - 1" (1 Part of 800-205)	
54-139	3/8-32 x 9/16 Palnut - Cadmium (1 Used On Ea. 63-6853, 63-6854, 63-6855 & 85-919)	.03	79-211-8	#22 Sleeving - Blue - 1" (1 Part of 800-205)	
54-549	Tinnerman Speed Nut (6 Used On S-75915)	.03	80-209	Drive Cord Tension Spring	.10
54-633	Transistor Socket Retaining Nut (1 Used On Ea. 78-1442, 78-1622 & 78-1677)	.10	80-1140	Drive Cord Tension Spring	.10
56-426	Roll Pin (4 required)	.05	80-1467	Shaft Retaining Spring	.05
56-512	Roll Pin (2 required)	.03	80-1468	Grounding Spring	.05
58-214	Single Prong Plug (2 required)	.10	80-1763	Retaining Spring (2 req'd)	.05
*59-824	Dial Pointer		80-1914	Ground Spring	.25
63-1701	10 Ohm Resistor - 1/2W. 10%	.17	80-1951	Retaining Spring (2 required)	
63-1729	47 Ohm Resistor - 1/2W. 10%	.17	83-3561	Cable Retaining Strip	.05
63-1743	100 Ohm Resistor - 1/2W. 10% (3 req'd)	.17	83-5170	Three Lug Terminal Strip	.10
63-1750	150 Ohm Resistor - 1/2W. 10%	.17	83-5171	Insulating Strip (Used on 83-5170)	.03
63-1754	180 Ohm Resistor - 1/2W. 10% (2 req'd)	.17	83-5287	Ten Lug Terminal Strip	.25
63-1757	220 Ohm Resistor - 1/2W. 10%	.17	83-5327	Fifty-two Lug Terminal Strip	1.20
63-1761	270 Ohm Resistor - 1/2W. 10%	.17	83-5328	Eleven Lug Terminal Strip	.35
			83-5386	Nine Lug Terminal Strip	.20
			83-5430	Nine Lug Terminal Strip	.20
			83-5431	Insulating Strip (Used On 83-5430)	.03
			83-5748	Rubber Channel Strip (2 required)	.20
			83-5749	Rubber Channel Strip (2 required)	.10
			83-5771	Five Lug Terminal Strip	.20
			83-5772	Insulating Strip (Used On 83-5771)	.10

PART NO.	DESCRIPTION	PRICE
CHASSIS 18YT20 (Cont'd.)		
83-5773	Three Lug Terminal Strip	.15
83-5785	Single Lug Terminal Strip	.10
83-6087	Twenty-Four Lug Terminal Strip	.85
*83-6134	Trim Strip (Part of S-75915)	
85-892	Stereo-Monaural Switch	1.80
85-919	Five Position Band Switch	8.00
86-328	Wire Retaining Terminal (3 required)	.03
86-334	Socket Terminal (3 required)	.10
86-388	Connector Terminal (2 required)	.05
93-966	#5 Internal Shakeproof Lockwasher - Cadmium (1 Used On Ea. S-73228 & S-73229)	.03
93-1730	Spring Washer (Used On 171-50)	.05
94-613	Iron Core Retaining Bushing (2 required)	.10
94-1466	Tuning Shaft Bushing	
95-2233	1st I.F. Transformer (AM)	1.75
95-2234	2nd I.F. Transformer (AM)	1.70
95-2236	1st I.F. Transformer (FM)	2.00
95-2313	Doubler Mixer Transformer	3.05
95-2315	Input Mixer Transformer	3.05
95-2316	Trap Coil	1.86
95-2334	Ratio Detector Transformer	15.30
95-2430	Driver Transformer (2 required)	3.75
95-2432	Power Transformer	11.00
95-2436	3rd I.F. Transformer (AM)	3.05
95-2437	2nd I.F. Transformer (FM)	2.25
95-2438	3rd I.F. Transformer (FM)	2.35
95-2439	38 KC Transformer	3.80
100-384	Stereo Indicator Bulb	1.30
103-23	Diode (5 required)	.75
103-47	Diode	3.75
103-74	Diode	.50
103-96	Diode	1.75
105-78	R/C Network	1.00
113-8	6-32 x 1/4 x 1/4 Hex Hd. Mach. Screw - Nickel Plate - Internal Shakeproof Lockwasher (2 required)	.03
113-10	6-32 x 3/16 x 1/4 Hex Hd. Mach. Screw - Cadmium - Internal Shakeproof Lockwasher (3 required)	.03
113-12	6-32 x 5/16 x 1/4 Slotted Hex Hd. Mach. Screw - Nickel Plate - Internal Shakeproof Lockwasher	.03
114-335	8-18 x 1/2 x 1/4 Hex Hd. Self-Tap. Screw - Stat. Bronze (4 required)	.03
114-638	6-20 x 3/8 Hex Hd. Self-Tap. Screw - Stat. Bronze - Flat Washer Attached.	.03
114-801	8-18 x 5/16 x 1/4 Hex Hd. Self-Tap. Screw - Stat. Bronze (18 required)	.03
121-381	Transistor (AM-Conv.)	.90
121-383	Transistor (FM-RF)	4.95
121-414	Transistor (AM-FM)	1.45
121-415	Transistor - FM (2 required)	1.45
121-428	Transistor (FM-Conv.)	1.45
121-433	Transistor - Pre-Amp (2 required)	1.30
121-434	Transistor - Driver (2 required)	.90
121-496	Transistor - Stereo Ind. Switch (4 req'd)	
125-26	Rubber Grommet	.03
125-140	Strain Relief Grommet	.10
126-1207	Shield (FM Tuner)	.03
126-1262	Light Shield	
149-211	Iron Core (Part of S-66580)	.10
149-333	Iron Core Sleeve (2 required)	.05
149-368	Iron Core & Spring	.30
149-385	Iron Core & Spring	.30
171-50	Stereo Lens	1.00
192-389	Dial Crystal	1.25
212-71	Rectifier (2 required)	1.25
S-54511	Shielded Lead & Plug Assembly	1.25
S-61711	Pointer Support Strip & Retaining Spring Assembly	.10
S-62887	FM Oscillator Coil Assembly	.60
S-66580	AM Oscillator Coil Assembly	1.55
S-68976	FM Detector Coil Assembly	.80
S-71997	FM Antenna Coil Assembly	.90
S-73228	Chassis Mtg. Bracket Assembly (L.H.)	1.25

PART NO.	DESCRIPTION	PRICE
S-73229	Chassis Mtg. Bracket Assembly (R.H.)	1.25
S-73230	Control Panel Assembly	.50
S-73253	Antenna Assembly	2.35
S-73306	Drive Cord & Eyelet Assembly	.30
S-73307	Drive Cord & Eyelet Assembly	.35
S-74552	Dial Light Reflector Assembly	
S-74744	FM Oscillator Coil & Capacitor Assembly	
S-74745	FM Detector Coil & Capacitor Assembly	
*S-75906	Background Strip & Dial Scale Assembly	
*S-75915	Escutcheon Assembly	
*S-76227	Drive Cord & Eyelet Assembly	

CHASSIS 18YT20 SAME AS 18YT20 EXCEPT:

S-75912	Escutcheon Assembly
S-75913	Background Strip & Dial Scale Assembly
*26-1405	Dial Scale (Part of S-75913)
46-5171	Tone Control (2 required)
46-5172	Dual Loudness Control Knobs
46-5218	Balance Control Knob
46-5415	Bandswitch Knob
46-5649	Push Button, Stereo-Monaural
83-6134	Trim Strip (Part of S-75915)

CHASSIS 20YT20

11-106	Line Cord	1.00
12-4009	Tuner Bracket	.36
12-4409	Switch Mtg. Bracket	.40
19-238	Coil Mtg. Clip (Used on S-66580)	.10
19-322	Coil Mtg. Clip (3 required)	.05
20-1256	Trap Coil	.50
20-1424	Trap Coil	.95
22-3	.01 MF Disc Capacitor-500V.(3 req'd)	.30
or		
22-4617	.01 MF Disc Capacitor-500V.(3 req'd)	.10
22-13	.0033 MF Disc Capacitor-500V.(2 req'd)	.25
22-14	.0047 MF Disc Capacitor-500V.(2 req'd)	.25
22-2376	47 PF Disc. Capacitor-500V. (2req'd)	.25
22-2428	1.8 PF Gimmick Capacitor(2 req'd)	.25
22-2729	.001 MF Disc Capacitor-25V.	.25
22-3010	.01 MF Disc Capacitor-25V.	.45
22-3033	.02 MF Disc Capacitor-25V.	.35
22-3034	.05 MF Disc Capacitor-25V. (16 req'd)	.45
22-3177	390 PF Disc Capacitor-500V. (3 req'd)	.25
22-3255	330 PF Disc Capacitor-500V. (2 req'd)	.25
22-3400	3.9 PF Gimmick Capacitor	.45
22-3415	.0068 MF Disc Capacitor-25V.(2 req'd)	.25
22-3448	10 MF Electrolytic Capacitor-15V.	1.00
22-3550	3.3 PF Gimmick Capacitor	.15
22-3599	.015 MF Capacitor-50V. (2 required)	.30
22-3621	22 PF Disc Capacitor-500V.	.25
22-3645	1000 PF Mica Capacitor-100V.	.75
22-3675	10 PF Disc Capacitor-500V.	.25
22-3687	1 MF Capacitor-50V. (4 required)	.90
22-3879	1000 MF Electrolytic Capacitor-50V.	4.15
22-3896	5 MF Electrolytic Capacitor-25V. (4 required)	1.00
22-3973	100 MF Electrolytic Capacitor-25V.	1.30
22-4523	1.1 PF Gimmick Capacitor(2 req'd)	.25
22-4613	Feed-Thru Capacitor-500V. (5 req'd)	.10
22-4674	Two Section Variable Capacitor	3.50
22-5012	.15 MF Capacitor-50V. (4 required)	.75
22-5018	.47 MF Capacitor-50V. (3 required)	.60
22-5037	.005 MF Disc Capacitor-25V.(3 req'd)	
22-5056	.02 MF Disc Capacitor-25V. (2 req'd)	.20
22-5130	8 PF Disc Capacitor-500V.	.15
22-5167	1000 MF Electrolytic Capacitor-30V.	3.20
22-5188	.1 MF Capacitor-50V.	.35
22-5249	.1 MF Capacitor-100V. (2 required)	.35
22-5315	300 MF Electrolytic Capacitor-50V. (2 required)	1.80
22-5316	500 MF Electrolytic Capacitor-50V.	2.50
22-5321	36 PF Disc Capacitor-500V.	.15
24-1473	Tuner Cover	.30
*26-1406	Dial Scale (Part of S-75976)	

PART NO.	DESCRIPTION	PRICE	PART NO.	DESCRIPTION	PRICE
CHASSIS 20YT20 (Cont'd.)					
43-519	Contact Housing	.20	63-6861	Dual Treble Control	2.60
46-5155	Bandswitch Knob	1.50	63-6889	Dual Bass Control	2.30
46-5157	Tuning Knob	1.80	*76-1734	Tuning Shaft	
46-5158	Loudness Control Knob	1.05	78-1347	Electrolytic Wafer Socket	.10
46-5217	Balance Control Knob	1.75	78-1378	Four Contact Transistor Socket(2 req'd)	.40
46-5559	Bass Tone Control Knob		78-1442	Transistor Socket	.30
46-5560	Treble Tone Control Knob		78-1486	Transistor Socket (4 required)	.35
*46-5648	Push Button, Stereo-Monaural		78-1488	Dial Light Socket & Wire	.80
52-1212	Two Conductor Shielded Lead	.60	78-1489	Stereo Indicator Light Socket & Wire	.85
52-1241	Three Conductor Cable	.45	78-1622	Three Contact Transistor Socket (4req'd)	
52-1336	Two Conductor Shielded Lead	.85	78-1677	Four Contact Transistor Socket(3 req'd)	.40
54-139	3/8-32 x 9/16 Palnut-Cadmium (1 used on ea. 63-6861, 63-6854, 63-6889 & 85-920)	.03	80-209	Drive Cord Tension Spring	.10
54-549	Tinnerman Speed Nut (6 used on 192-389)	.03	80-1140	Drive Cord Tension Spring	.10
54-633	Transistor Socket Retaining Nut(1 used on ea. 78-1442, 78-1622 & 78-1677)	.10	80-1467	Shaft Retaining Spring	.05
56-426	Roll Pin (4 required)	.05	80-1468	Grounding Spring	.05
56-512	Roll Pin (2 required)	.03	80-1763	Retaining Spring (1 part of ea. S-61711)	.03
58-214	Single Prong Plug (2 used on S-54511)	.10	80-1914	Ground Spring	.25
59-824	Dial Pointer	.35	80-1951	Retaining Spring (2 required)	.03
63-1701	10 Ohm Resistor-1/2 W. 10%	.17	83-3561	Cable Retaining Strip	.05
63-1743	100 Ohm Resistor-1/2 W. 10% (3 req'd)	.17	83-3826	Two Lug Terminal Strip	
63-1747	120 Ohm Resistor-1/2 W. 10% (2 req'd)	.17	83-4194	Five Lug Terminal Strip	.10
63-1754	180 Ohm Resistor-1/2 W. 10%	.17	83-5170	Three Lug Terminal Strip	.10
63-1761	270 Ohm Resistor-1/2 W. 10%	.17	83-5171	Insulating Strip (Used on 83-5170)	.03
63-1764	330 Ohm Resistor-1/2 W. 10% (3 req'd)	.17	83-5277	Insulating Strip (1 part of ea. 121-418)	.03
63-1768	390 Ohm Resistor-1/2 W. 10% (2 req'd)	.17	83-5284	Five Lug Terminal Strip	.15
63-1771	470 Ohm Resistor-1/2 W. 10% (7 req'd)	.17	83-5286	Eight Lug Terminal Strip	.20
63-1772	470 Ohm Resistor-1/2 W. 20% (3 req'd)	.17	83-5287	Ten Lug Terminal Strip	.25
63-1775	560 Ohm Resistor-1/2 W. 10% (2 req'd)	.17	83-5291	Insulating Strip	.03
63-1778	680 Ohm Resistor-1/2 W. 10% (2 req'd)	.17	83-5328	Eleven Lug Terminal Strip	.35
63-1782	820 Ohm Resistor-1/2 W. 10% (2 req'd)	.17	83-5386	Nine Lug Terminal Strip	.20
63-1789	1200 Ohm Resistor-1/2 W. 10%	.17	83-5748	Rubber Channel Strip-Long(2 part of S-75974)	.20
63-1785	1 K Ohm Resistor-1/2 W. 10% (3 req'd)		83-5749	Rubber Channel Strip-Short (2 part of S-75974)	.10
63-1792	1500 Ohm Resistor-1/2 W. 10% (7 req'd)	.34	83-5773	Three Lug Terminal Strip (2 required)	.15
63-1799	2200 Ohm Resistor-1/2 W. 10% (3 req'd)	.17	*83-5785	Single Lug Terminal Strip	.10
63-1803	2700 Ohm Resistor-1/2 W. 10%		83-5796	Four Lug Terminal Strip (2 required)	.20
63-1806	3300 Ohm Resistor-1/2 W. 10% (2 req'd)	.17	83-5797	Insulating Strip (1 used on ea. 83-5796)	.10
63-1813	4700 Ohm Resistor-1/2 W. 10% (4 req'd)	.17	83-5798	Eleven Lug Terminal Strip	.35
63-1817	5600 Ohm Resistor-1/2 W. 10%	.17	83-5799	Insulating Strip (Used on 83-5798)	.20
63-1820	6800 Ohm Resistor-1/2 W. 10% (2 req'd)	.17	83-5800	Six Lug Terminal Strip	.25
63-1824	8200 Ohm Resistor-1/2 W. 10% (2 req'd)		83-5801	Insulating Strip (Used on 83-5800)	.10
63-1827	10 K Ohm Resistor-1/2 W. 10% (2 req'd)		83-5802	Fifty-seven Lug Terminal Strip	1.70
63-1828	10 K Ohm Resistor-1/2 W. 20%	.17	*83-6132	Trim Strip (Part of S-75974)	
63-1834	15 K Ohm Resistor-1/2 W. 10% (6 req'd)	.17	85-892	Stereo-Monaural Switch	1.80
63-1841	22 K Ohm Resistor-1/2 W. 10%		85-920	Six Position Bandswitch	6.90
63-1845	27 K Ohm Resistor-1/2 W. 10%	.17	86-334	Socket Terminal (3 used on 52-1241)	.10
63-1848	33 K Ohm Resistor-1/2 W. 10% (3 req'd)	.17	86-388	Connector Terminal (2 used on 78-1489)	.05
63-1852	39 K Ohm Resistor-1/2 W. 10% (2 req'd)		93-966	#5 Internal Shakeproof Lockwasher-Cadmium (2 required)	.03
63-1855	47 K Ohm Resistor-1/2 W. 10% (4 req'd)		93-1730	Spring Washer (Used on 171-50)	.05
63-1859	56 K Ohm Resistor-1/2 W. 10%		93-1756	Fibre Washer (2 required)	.03
63-1867	100 K Ohm Resistor-1/2 W. 10% (2 req'd)	.17	94-613	Iron Core Retaining Bushing(2 used on 12-4009)	.10
63-1873	120 K Ohm Resistor-1/2 W. 10% (2 req'd)	.17	*94-1466	Tuning Shaft Bushing (Used on 76-1734)	
63-1880	180 K Ohm Resistor-1/2 W. 10% (2 req'd)		95-2233	1st I.F. Transformer (AM)	1.75
63-1883	220 K Ohm Resistor-1/2 W. 10% (4 req'd)	.17	95-2234	2nd I.F. Transformer (AM)	1.70
63-1897	470 K Ohm Resistor-1/2 W. 10%	.17	95-2236	1st I.F. Transformer (FM)	2.00
63-1911	1 Megohm Resistor-1/2 W. 10%	.17	95-2313	Doubler Mixer Transformer	3.05
63-1912	1 Megohm Resistor-1/2 W. 20%	.17	95-2315	Input Mixer Transformer	3.05
63-3238	Potentiometer		95-2316	Trap Coil	1.86
63-4143	100 Ohm Resistor-1/4 W. 10%	.17	95-2324	Ratio Detector Transformer	4.75
63-4196	1800 Ohm Resistor-1/4 W. 10%	.17	95-2431	Driver Transformer (2 required)	4.60
63-4199	2200 Ohm Resistor-1/4 W. 10%	.17	95-2433	Power Transformer	11.00
63-4231	12 K Ohm Resistor-1/4 W. 10%	.17	95-2436	3rd I.F. Transformer (AM)	3.05
63-4297	470 K Ohm Resistor-1/4 W. 10%	.17	95-2437	2nd I.F. Transformer (FM)	2.25
63-4533	5.6 Ohm Resistor-1/2 W. 10% (5 req'd)	.17	95-2438	3rd I.F. Transformer (FM)	2.35
63-5325	1 Ohm Resistor-1 W. 10% (4 required)	.25	95-2439	38 KC Transformer	3.80
63-5638	180 Ohm Resistor-2 W. 10%	.34	100-249	Pilot Light Bulb (2 required)	.18
63-6010	39 Ohm Resistor-1 W. 10%	.25	100-384	Stereo Indicator Bulb	1.30
63-6045	270 Ohm Resistor-1 W. 10%	.20			
63-6059	560 Ohm Resistor-1 W. 10% (2 req'd)	.20	103-23	Diode (5 required)	.75
63-6063	680 Ohm Resistor-1 W. 10% (2 required)		103-47	Diode	3.75
63-6066	820 Ohm Resistor-1 W. 10%	.25	103-74	Diode	.50
63-6495	Potentiometer	1.00	103-96	Zener Diode	1.90
63-6854	Dual Loudness Control	3.90	105-78	R/C Network	1.00

PART NO.	DESCRIPTION	PRICE	PART NO.	DESCRIPTION	PRICE
CHASSIS 20YT20 (Cont'd.)					
113-8	6-32 x 1/4 x 1/4 Hex Hd. Mach. Screw- Internal Shakeproof Lockwasher (2 Mt. 85-892)	.03	46-5172	Loudness Control Knob	
113-10	6-32 x 3/16 x 1/4 Hex Hd. Mach. Screw- Internal Shakeproof Lockwasher (3 join 12-4674, 83-3561 and S-73228)	.03	46-5218	Balance Control Knob	
113-12	6-32 x 5/32 x 1/4 Slotted Hex Hd. Mach. Screw-Internal Shakeproof Lock- washer (Joins S-73253 & 22-4674)	.03	46-5561	Bass Tone Control	
114-638	6-20 x 3/8 Hex Hd. Self-Tap. Screw-Stat. Bronze-Flat Washer Attached(Used on S-73253)	.03	46-5562	Treble Tone Control	
114-335	8-18 x 1/2 x 1/4 Hex Hd. Self-Tap. Screw- Stat. Bronze(4 used on S-75974)	.03	46-5649	Push Button, Stereo-Monaural	
114-801	8-18 x 5/16 x 1/4 Hex Hd. Self-Tap. Screw-Stat. Bronze(2 used on S-75976)	.03	83-6133	Trim Strip (Part of S-75977)	
114-995	6-32 x 3/8 Hex Washer Hd. Special Self- Tap. Screw (4 used on ea. S-73228 & S-73229, 2 used on ea. 95-2433, S-73557 and 12-4409)	.03	CHASSIS 23YT124		
114-803	6-20 x 1/4 x 1/4 Hex Washer Hd. Self- Tap. Screw-Stat. Bronze(Used on S-73562)	.03	12-4120	Variable Capacitor MTG Bracket	.55
121-381	Transistor - AM - Conv.	.90	*12-4652	Tuning Meter MTG. Bracket	
121-383	Transistor - FM - RF	4.95	*12-4653	Bushing Bracket (3 required)	
121-414	Transistor - AF - FM	1.45	*12-4725	Control Bearing Bracket	
121-415	Transistor - AM - FM (2 required)	1.45	*12-4729	Stereo Reflector Brackett	
121-418	Transistor - Power Amp. - Matched Pair (2 required)	3.55	17-149	Cable Clamp	.05
121-428	Transistor - FM - Conv.	1.45	19-238	Coil MTG. Clip (1 Part of Ea. S-69165 & S-72828)	.10
121-430	Transistor - Pre-Driver (2 required)	1.10	19-464	Coil MTG. Clip (Part of S-74470)	.05
121-433	Transistor - Pre-Amp. (2 required)	1.30	19-492	Cable Retaining Clamp (5 req'd)	.05
121-442	Transistor - Driver (2 required)	1.30	20-1422	Peaking Coil	.75
*121-496	Transistor - Stereo Ind. S.W. (4 req'd)		20-2033	Peaking Coil	.40
125-26	Rubber Grommet	.03	22-9	100 PF Disc Capacitor-500V. (3 req'd)	.25
125-140	Strain Relief Grommet	.10	22-14	.0047 MF Disc Capacitor-500V.(2 req'd)	.25
126-1207	Shield (FM Tuner)	.03	22-17	.001 MF Disc Capacitor-1 KV (2 req'd)	.25
126-1262	Light Shield		22-18	.0022 MF Disc Capacitor-500V. (2 req'd)	.25
149-211	Iron Core (Part of S-66580)	.10	22-2374	6 PF Disc Capacitor-500V.	.25
149-333	Ferrite Sleeve (2 required)	.05	22-2434	2 PF Gimmick Capacitor-500V.	.25
149-368	Iron Core & Spring	.30	22-2720	1 PF Gimmick Capacitor-500V. (3 req'd)	.20
149-385	Iron Core & Spring	.30	22-2729	.001 MF Disc Capacitor-25V.	.25
171-50	Stereo Lens (Part of S-75976)	1.00	22-2726	50 MF Electrolytic Capacitor-10V. (4 required)	1.50
192-389	Dial Crystal (Part of S-75974)	1.25	22-2884	5 MF Electrolytic Capacitor-12V. (4 required)	1.50
212-71	Rectifier (2 required)	1.25	22-2903	22 PF Disc Capacitor-500V.	.25
205-51	Silicone Grease (Part of 121-418)	.16	22-3010	.01 MF Disc Capacitor-25V. (6 req'd)	.45
S-54511	Shielded Lead & Plug Assembly	1.25	22-3034	.05 MF Disc Capacitor-25V. (18 req'd)	.45
S-61711	Pointer Support Strip & Retaining Spring Assembly (2 required)	.10	22-3177	390 PF Disc Capacitor-500V. (2 req'd)	.25
S-62887	FM Oscillator Coil Assembly	.60	22-3255	330 PF Disc Capacitor 500V (2 req'd)	.25
S-66580	AM Oscillator Coil Assembly	1.55	22-3262	560 PF Disc Capacitor- 500V.	
S-68976	FM Detector Coil Assembly	.80	22-3448	10 MF Electrolytic Capacitor-15V.	1.00
S-71997	FM Antenna Coil Assembly	.90	22-3527	.22 MF Disc Capacitor-12V.	.60
S-73228	Chassis Mtg. Bracket Assembly (L.H.)	1.25	22-3652	.1 MF Disc Capacitor-10V.	.30
S-73229	Chassis Mtg. Bracket Assembly (R.H.)	1.25	22-3670	2 MF Electrolytic Capacitor-6V. (2 required)	1.00
S-73253	AM Antenna Assembly	2.35	22-3675	10 PF Disc Capacitor-500V.	.25
S-73306	Drive Cord & Eyelet Assembly	.30	22-3687	1 MF Electrolytic Capacitor-50V. (4 required)	.90
S-73307	Drive Cord & Eyelet Assembly	.35	22-3748	.001 MF Disc Capacitor-1 KV (2 req'd)	.25
S-73548	Heat Sink & Socket Assembly (2 req'd)	1.20	22-3826	.022 MF Capacitor-100V. (7 required)	.30
S-73555	Control Panel Assembly	.90	22-3944	.0047 MF Capacitor-25V.	.25
S-73562	Tape Jack & Bracket Assembly	1.00	22-3891	.0068 MF Capacitor-100V. (2 req'd)	.30
S-74552	Dial Light Reflector Assembly		22-3896	5 MF Electrolytic Capacitor-25V. (4 required)	1.00
S-74744	FM Oscillator Coil & Capacitor Assem.		22-4296	.01 MF Capacitor-200V. (2 required)	
S-74745	FM Detector Coil & Capacitor Assem.	1.50	22-4308	.015 MF Capacitor-200V. (2 required)	
*S-75974	Escutcheon Assembly	1.25	22-4577	50 MF Electrolytic Capacitor-25V. (2 required)	1.00
*S-75976	Background Strip & Dial Scale Assem.		*22-4665	4300 PF Capacitor-100V.	1.20
*S-76227	Drive Cord & Eyelet Assembly		*22-4817	Three Section Variable Capacitor	
CHASSIS 20YT20Z			22-5012	.15 MF Capacitor-50V. (6 required)	.75
SAME AS 20YT20 EXCEPT:			22-5018	.47 MF Capacitor-50V.	.60
S-75975	Escutcheon Assembly		22-5168	300 MF Electrolytic Capacitor-25V.	3.05
S-75977	Background Strip & Dial Scale Assembly		22-5184	.047 MF Capacitor-100V.	.30
26-1407	Dial Scale (Part of S-75977)		*26-1449	Dial Scale (Part of S-76830)	
46-5170	Bandswitch Knob		*26-1450	Log Scale	
			*34-533	Tone Indicator Sprocket (3 required)	
			43-570	Male Contact Housing (6 Contact)	.45
			43-571	Male Contact Housing (9 Contact)	.30
			*46-5958	Push Button Plug Knob (10 required)	
			*46-5998	Push Button Knob (5 required)	
			*46-5999	Push Button Knob (5 required)	
			*46-6001	Balance Control Knob	
			*46-6002	Loudness Control Knob	
			*46-6003	Bass, Treble & Contour Control Knob (3 required)	
			*46-6004	Tuning Control Knob	
			52-1214	Two Conductor Shielded Lead (Approx. 28")	.65

PART NO.	DESCRIPTION	PRICE	PART NO.	DESCRIPTION	PRICE
CHASSIS 23YT124 (Cont'd)					
52-1215	Two Conductor Shielded Lead (Approx. 12'')	.45	63-6442	560 Ohm Resistor - 3 W. 10%	.30
52-1516	Two Conductor Shielded Lead (Approx. 8 3/4'')	.45	* 63-7200	Dual Loudness Control	
* 52-1413	Two Conductor Shielded Lead		* 63-7201	Dual Bass Control	
* 52-1414	Two Conductor Shielded Lead		* 63-7202	Dual Treble Control	
54-139	3/8 - 32 x 9/16 Palnut-Cadmium (1 used on ea. 63-7201, 63-7202, 85-993 & 63-7200)	.03	78-1099	Three Contact Socket	.20
54-541	Self-Threading Palnut (2 used on ea. S-76830 & 57-6406 and 3 used on ea. 83-6281)	.03	78-1445	Loudness Indicator Light Socket & Wire	.30
54-633	Transistor Socket Mtg. Nut (1 used on ea. 78-1621, 78-1622 & 78-1677)	.10	78-1621	Transistor Socket	.20
54-652	Self Threading Palnut (2 used on 12-4729)	.03	78-1622	Transistor Socket (13 required)	.30
* 54-782	Tinnerman Speed Nut (2 used on S-76828)		78-1677	Transistor Socket (6 required)	.40
56-512	Roll Pin (2 used on S-76790)	.03	* 78-1750	Dial Light Socket & Wire (2 required)	
* 57-6404	Switch Mtg. Plate		* 78-1754	Six Contact Intergrator Socket	
* 57-6406	Reflector Plate-Loudness (part of S-76830)		* 78-1761	Stereo Indicator Socket & Wire	
* 59-859	Pointer		80-1091	Tension Spring (Gang)	.08
61-256	Tone Control Pulley (2 req'd)	.30	80-1140	Tension Spring (Pointer)	.10
* 61-288	Idler Pulley (3 req'd)		80-1683	Tone & Contour Pulley Tension Spring (3 required)	.20
* 61-289	Contour Control Pulley		83-1475	Cable Retaining Strip	.03
63-1701	10 Ohm Resistor - 1/2 W. 10%	.17	83-3641	Five Lug Terminal Strip	.10
63-1722	33 Ohm Resistor - 1/2 W. 10%	.17	83-4125	Two Lug Terminal Strip	.10
63-1743	100 Ohm Resistor - 1/2 W. 10% (3 req'd)	.17	83-4850	Five Lug Terminal Strip	.35
63-1757	220 Ohm Resistor - 1/2 W. 10% (2 req'd)	.17	83-4997	Four Lug Terminal Strip	.10
63-1761	270 Ohm Resistor - 1/2 W. 10%	.17	83-5164	Four Lug Terminal Strip	
63-1764	330 Ohm Resistor - 1/2 W. 10% (3 req'd)	.17	83-5165	Insulating Strip	
63-1771	470 Ohm Resistor - 1/2 W. 10% (10 req'd)	.17	83-5286	Eight Lug Terminal Strip	.20
63-1775	560 Ohm Resistor - 1/2 W. 10% (2 req'd)	.17	83-5287	Ten Lug Terminal Strip	.25
63-1778	680 Ohm Resistor - 1/2 W. 10% (3 req'd)	.17	83-5288	Thirteen Lug Terminal Strip (2 req'd)	.35
63-1782	820 Ohm Resistor - 1/2 W. 10% (2 req'd)	.17	83-5289	Fifteen Lug Terminal Strip	.40
63-1785	1K Ohm Resistor - 1/2 W. 10% (10 req'd)	.17	83-5290	Nineteen Lug Terminal Strip (2 req'd)	.45
63-1789	1200 Ohm Resistor - 1/2 W. 10% (3 req'd)	.17	83-5399	Four Lug Terminal Strip	.20
63-1792	1500 Ohm Resistor - 1/2 W. 10%	.34	83-5736	Three Lug Terminal Strip	.20
63-1796	1800 Ohm Resistor - 1/2 W. 10% (3 req'd)	.17	83-5737	Insulating Strip	.03
63-1799	2200 Ohm Resistor - 1/2 W. 10% (3 req'd)	.17	* 83-6261	Trim Strip - Escutcheon (2 part of S-76830)	
63-1803	2700 Ohm Resistor - 1/2 W. 10% (2 req'd)	.17	* 83-6262	Switch Trim Strip (Part of S-76828)	
63-1806	3300 Ohm Resistor - 1/2 W. 10%	.17	* 83-6264	Channel Strip - Side (2 part of S-76830)	
63-1810	3900 Ohm Resistor - 1/2 W. 10% (4 req'd)	.17	* 83-6265	Channel Strip - Top & Bottom (2 part of S-76830)	
63-1813	4700 Ohm Resistor - 1/2 W. 10% (11 req'd)	.17	* 83-6266	Bass Indicator Tape Strip	
63-1817	5600 Ohm Resistor - 1/2 W. 10%	.17	* 83-6267	Contour Indicator Tape Strip	
63-1820	6800 Ohm Resistor - 1/2 W. 10%	.17	* 83-6268	Treble Indicator Tape Strip	
63-1824	8200 Ohm Resistor - 1/2 W. 10%	.17	* 83-6317	One Lug Terminal Strip	
63-1825	9100 Ohm Resistor - 1/2 W. 5%	.34	* 84-105	Pointer Support	
63-1826	10K Ohm Resistor - 1/2 W. 5%		* 85-991	Push Button Selector Switch	
63-1827	10K Ohm Resistor - 1/2 W. 10% (9 req'd)		* 85-992	Push Button Bandswitch	
63-1831	12K Ohm Resistor - 1/2 W. 10%		* 85-993	Three Position Switch	
63-1834	15K Ohm Resistor - 1/2 W. 10% (2 req'd)	.17	* 85-996	AC Switch (Part of 85-991)	
63-1835	15K Ohm Resistor - 1/2 W. 20% (2 req'd)		86-344	Connector Terminal (2 used on 78-1754)	.03
63-1838	18K Ohm Resistor - 1/2 W. 10% (2 req'd)		86-388	Connector Terminal (2 used on 78-1761)	.05
63-1841	22K Ohm Resistor - 1/2 W. 10% (4 req'd)		86-390	Connector Terminal - Male (15 req'd)	.03
63-1845	27K Ohm Resistor - 1/2 W. 10%	.17	* 94-1471	Driver Bushing (3 required)	
63-1848	33K Ohm Resistor - 1/2 W. 10% (2 req'd)	.17	* 94-1472	Shaft Bushing	
63-1852	39K Ohm Resistor - 1/2 W. 10% (2 req'd)		95-2313	Doubler Mixer Transformer	3.05
63-1859	56K Ohm Resistor - 1/2 W. 10% (3 req'd)		95-2314	Detector Mixer Transformer	2.90
63-1862	68K Ohm Resistor - 1/2 W. 10% (5 req'd)		95-2315	Input Mixer Transformer	3.05
63-1869	100K Ohm Resistor - 1/2 W. 10%	.17	95-2316	Trap Coil	1.86
63-1873	120K Ohm Resistor - 1/2 W. 10% (2 req'd)	.17	95-2324	Ratio Detector Transformer	4.75
63-1876	150K Ohm Resistor - 1/2 W. 10% (6 req'd)	.17	95-2325	1st I.F. Transformer (AM)	1.80
63-1880	180K Ohm Resistor - 1/2 W. 10%		95-2326	2nd I.F. Transformer (AM)	1.95
63-1890	330K Ohm Resistor - 1/2 W. 10%		95-2327	3rd I.F. Transformer (AM)	2.65
63-1897	470K Ohm Resistor - 1/2 W. 10% (2 req'd)	.17	95-2328	2nd I.F. Transformer (FM)	1.90
63-1911	1 Megohm Resistor - 1/2 W. 10%	.17	95-2387	3rd & 4th I.F. Transformer (FM)	2.20
63-1925	2.2 Megohm Resistor - 1/2 W. 10%		100-249	Pilot Light Bulb (9 required)	.18
63-1960	15 Megohm Resistor - 1/2 W. 10% (2 req'd)		100-384	Bulb	1.30
63-3288	Muting Control	2.90	103-23	Diode (4 required)	.75
63-4405	560 Ohm Resistor - 5 W. 10%	.75	103-96	Diode	1.90
63-4935	3.9 Ohm Resistor - 1/2 W. 10%		105-93	38 KC Filter	.80
63-6376	Potentiometer	.60	112-801	6-20 x 1/4 Phillips Pan Hd. Self-Tap. Screw - Stat. Bronze (1 joins ea. 34-533 & 94-1471)	.03
			* 112-2006	6-18 x 1 1/2 Phillips Rd. Hd. Self-Tap. Screw - Stat. Bronze (Joins S-76837 & 12-4654)	
			113-8	6-32 x 1/4 x 1/4 Hex Hd. Machine Screw - Internal Shakeproof Lockwasher (1 used on ea. 12-4653 & 3 used on 12-4120)	.03
			114-26	8-18 x 1/4 x 1/4 Hex. Hd. Self-Tap. Screw - Stat. Bronze (2 MT. 22-4817)	.03

PART NO.	DESCRIPTION	PRICE	PART NO.	DESCRIPTION	PRICE
CHASSIS 23YT124 (Cont'd)			19-485	Cable Retaining Clip (Used on S-69382)	.10
114-344	6-20 x 1/4 x 1/4 Hex Hd. Self-Tap. Screw-Stat. Bronze (2 join S-76587 & 26-1450, 2 used on ea. 12-4652 & 126-1204 and 4 used on 12-4725)	.03	20-2033	Peaking Coil	.40
114-390	8-18 x 7/16 x 1/4 Hex Hd. Self-Tap Screw-Stat. Bronze (6 join S-76830 & Chassis)	.03	22-3	.01 MF Disc Capacitor - 500V.	.30
114-654	6-20 x 3/8 Hex Hd. Self-Tap. Screw-Stat. Bronze (2 join 12-4654 & 57-6404)	.03	22-13	.0033 MF Disc Capacitor - 500V. (2 req'd)	.25
114-801	8-18 x 5/16 x 1/4 Hex Hd. Self-Tap. Screw-Stat. Bronze (4 used on ea. S-76837 S-76836)	.03	22-17	.001 MF Disc Capacitor - 1KV (2 req'd)	.25
114-803	6-20 x 1/4 Hex Washer Hd. Self-Tap. Screw-Stat. Bronze (1 joins S-76830 & Chassis, 5 used on S-76843 and 1 joins ea. 34-533 & 94-1471)	.03	22-18	.0022 MF Disc Capacitor - 500V. (2 req'd)	.25
114-804	8-18 x 1/2 Hex Hd. Self-Tap. Screw-Stat. Bronze-Flat Washer Attached (4 used on S-76790)	.03	22-2434	2 PF Gimmick Capacitor - 500V.	.25
*114-1061	6-20 x 3/8 Hex Hd. Self-Tap. Screw-Stat. Bronze-Flat Washer Attached (2 used on S-76828)		22-2655	.01 MF Disc Capacitor - 1400V.	.50
121-333	Transistor-AM-RF-AM Mixer (2 req'd)	.80	22-2720	1 PF Gimmick Capacitor - 500V. (3 req'd)	.20
121-335	Transistor-AM OSC	1.50	22-2729	.001 MF Disc Capacitor - 25V.	.25
121-347	Transistor-Biplex Detector	1.20	22-2884	5 MF Electrolytic Capacitor (6 req'd)	1.50
121-414	Transistor-FM & AM 1st I.F.	1.45	22-3010	.01 MF Disc Capacitor - 25V.	.45
121-415	Transistor-FM & AM 2nd I.F. - FM 3rd I.F. (2 required)	1.45	22-3034	.05 MF Disc Capacitor - 25V. (22 req'd)	.45
121-496	Transistor-Comp. Amp. - 19 KC Amp. - 38 KC Amp.-Stereo Ind. SW (4 req'd)	.85	22-3177	390 PF Disc Capacitor - 500V. (2 req'd)	.25
121-497	Transistor-AGC Amp.	.85	22-3255	330 PF Disc Capacitor - 200V. (4 req'd)	.25
*121-602	Transistor-1st Audio (2 required)		22-3448	10 MF Electrolytic Capacitor - 50V.	1.00
*121-603	Transistor-Pre-Amp. (6 required)		22-3527	.22 MF Disc Capacitor - 12V.	.60
*122-35	Tuning Meter		22-3588	.47 MF Disc Capacitor - 12V. (2 req'd)	.60
125-117	Rubber Grommet (4 required)	.03	22-3595	.33 MF Mylar Capacitor - 50V. (4 req'd)	.60
126-1204	Shield	.75	22-3630	.68 MF Mylar Capacitor - 50V. (2 req'd)	.30
*126-1281	Dial Light Shield (Part of S-76587)		22-3652	.1 MF Disc Capacitor - 10V.	.30
*126-1286	Hum Shield (Part of S-76587)		22-3675	10 PF Disc Capacitor - 500V.	.25
149-211	Iron Core (1 Part of Ea. S-69165 & S-72828)	.10	22-3678	.047 MF Capacitor - 100V. (2 req'd)	.50
149-370	Iron Core (Part of S-74470)	.15	22-3710	.22 MF Mylar Capacitor - 50V. (2 req'd)	.50
188-367	Clamping Ring	.03	22-3826	.022 MF Capacitor - 100V. (2 req'd)	.30
*192-411	Dial Crystal		22-3879	1000 MF Electrolytic Capacitor - 50V.	4.15
*196-526	Felt Strip - Top & Bottom (2 required)		22-3944	.0047 MF Capacitor - 25V.	.25
*196-527	Felt Strip - Side (2 required)		22-4110	.033 MF Mylar Capacitor - 200V. (4 req'd)	.30
199-398	Shielded Paper Sleeve	.10	22-4343	.047 MF Capacitor - 200V.	.30
221-31	Integrator		22-4628	2 x 100 MF Electrolytic Capacitor	1.60
S-72586	FM Tuner Assembly (See FM Tuner Parts List for Components)	45.80	22-4665	4300 PF Mica Capacitor - 300V.	1.20
*S-75839	AM Detector Coil Assembly-Wiring		*22-4808	Three Section Variable Capacitor	4.30
S-76228	Oscillator Coil Assembly	3.70	22-5011	500 MF Electrolytic Capacitor - 50V. (2 required)	3.25
*S-76587	Light Reflector & Shield Assembly		22-5012	.15 MF Capacitor - 50V. (2 required)	.75
*S-76790	FM Tuner & Bushing Assembly		22-5018	.47 MF Capacitor - 50V. (3 required)	.60
*S-76801	Antenna Coil, Capacitor & Wire Assem.		22-5162	Three Section Electrolytic Capacitor	6.00
*S-76828	Escutcheon Plate & Trim Strip Assembly		22-5167	1000 MF Electrolytic Capacitor	3.20
S-76830	Escutcheon Assembly		22-5187	.0047 MF Disc Capacitor - 1KV.	.20
*S-76836	Escutcheon Mtg. Bracket Assembly (R.H.)		44-48	Connector Jack (4 part of S-69382)	.20
*S-76837	Escutcheon Mtg. Bracket Assembly (L.H.)		46-4491	Push Button-On-Off & Monaural (2 required)	1.10
S-76843	Indicator Bracket Terminal Strip & Pulley Assembly		46-5109	Tuning Knob	1.55
*S-76845	Drive Cord & Eyelet Assembly (Pointer)		46-5193	Tone Control Knob-Bass & Treble (2 required)	1.05
*S-76846	Drive Cord & Eyelet Assembly (Pointer)		46-5195	Bandswitch Knob	1.65
*S-76847	Drive Cord & Eyelet Assembly (Contour)		46-5196	Balance Control Knob	1.70
*S-76848	Drive Cord & Eyelet Assembly (Bass)		46-5197	Loudness Control Knob	1.65
*S-76849	Drive Cord & Eyelet Assembly (Treble)		52-1103	Two Conductor Cable (used on S-59959)	.20
*S-76850	Drive Cord & Eyelet Assembly (Gang)		52-1335	Two Conductor Shielded Lead (used on S-69382)	.90
CHASSIS 26YT20			52-1336	Two Conductor Shielded Lead (used on S-69382)	.85
12-4209	Chassis Mtg. Bracket (2 req'd)	.75	54-139	3/8-32 x 9/16 Palnut-Cadmium (1 used on ea. 63-6361, 63-6362, 63-6363 & 85-923)	.03
12-4210	Shutter Bracket	.10	54-522	Tinneman Speed Nut	.03
12-4211	Variable Capacitor Mtg. Bracket	.20	54-549	Tinneman Speed Nut (4 Mt. 192-410)	.03
12-4254	Bottom Plate Mtg. Bracket (6 required)	.10	54-633	Transistor Socket Retaining Nut (6 used on 78-1442, 7 used on 78-1677, 5 used on 78-1622 & 1 used on 78-1621)	.10
19-238	Coil Mtg. Clip (1 part of ea. S-76316 & S-72828)	.10	56-426	Roll Pin (2 part of S-72985)	.05
19-464	Coil Mtg. Clip (Part of S-76317)	.05	57-5377	Chassis Bottom Plate	1.15
			57-5928	Trim Plate	.20
			*57-6365	Control Mtg. Plate (part of S-76319)	1.65
			58-246	Two Prong Plug-AC (Part of S-59959)	.15
			*59-719	Dial Pointer	
			62-28	Fuse Holder	.40
			63-1701	10 Ohm Resistor - 1/2 W. 10%	.17
			63-1736	68 Ohm Resistor - 1/2 W. 10% (3 req'd)	.17
			63-1743	100 Ohm Resistor - 1/2 W. 10%	.17
			63-1750	150 Ohm Resistor - 1/2 W. 10%	.17
			63-1757	220 Ohm Resistor - 1/2 W. 10% (3 req'd)	.17
			63-1761	270 Ohm Resistor - 1/2 W. 10%	.17
			63-1764	330 Ohm Resistor - 1/2 W. 10% (7 req'd)	.17
			63-1771	470 Ohm Resistor - 1/2 W. 10% (10 req'd)	.17

PART NO.	DESCRIPTION	PRICE	PART NO.	DESCRIPTION	PRICE
CHASSIS 26YT20 (Cont'd)			83-6234	Rubber Channel Strip (2 Part Of 192-410)	.03
63-1775	560 Ohm Resistor - 1/2 W. 10%(3 req'd)	.17	*83-6235	Trim Strip - Tone Control (Part Of S-76322)	2.10
63-1778	680 Ohm Resistor - 1/2 W. 10%(3 req'd)	.17	*83-6236	Trim Strip - Bandswitch (Part of S-76322)	2.10
63-1782	820 Ohm Resistor - 1/2 W. 10%(2 req'd)	.17	*83-6237	Trim Strip - Push Button (Part Of S-76322)	
63-1785	1K Ohm Resistor - 1/2 W. 10%(13 req'd)	.17	83-6326	Insulating Strip	
63-1789	1200 Ohm Resistor - 1/2 W. 10%	.17	85-891	A.C. Switch	3.10
63-1792	1500 Ohm Resistor - 1/2 W. 10%	.34	85-892	Stereo-Monaural Switch	1.80
63-1796	1800 Ohm Resistor - 1/2 W. 10%(3 req'd)	.17	85-923	Five Position Bandswitch	5.00
63-1799	2200 Ohm Resistor - 1/2 W. 10%(3 req'd)	.17	86-328	Wire Retaining Terminal	.03
63-1803	2700 Ohm Resistor - 1/2 W. 10%	.17	86-388	Connector Terminal (2 Used On 78-1736)	.05
63-1806	3300 Ohm Resistor - 1/2 W. 10%	.17	*94-1480	Nylon Bushing	
63-1810	3900 Ohm Resistor - 1/2 W. 10%(4 req'd)	.17	95-2313	Doubler Mixer Transformer	3.05
63-1813	4700 Ohm Resistor - 1/2 W. 10%(5 req'd)	.17	95-2314	Detector Mixer Transformer	2.90
63-1817	5600 Ohm Resistor - 1/2 W. 10%	.17	95-2315	Input Mixer Transformer	3.05
63-1820	6800 Ohm Resistor - 1/2 W. 10%	.17	95-2316	Trap Coil	1.86
63-1824	8200 Ohm Resistor - 1/2 W. 10%	.17	95-2324	Ratio Detector Transformer	4.75
63-1825	9100 Ohm Resistor - 1/2 W. 5%	.34	95-2325	1st I.F. Transformer (AM)	1.80
63-1826	10K Ohm Resistor - 1/2 W. 5%	.17	95-2326	2nd I.F. Transformer (AM)	1.95
63-1827	10K Ohm Resistor - 1/2 W. 10%(3 req'd)	.17	95-2327	3rd I.F. Transformer (AM)	2.65
63-1842	22K Ohm Resistor - 1/2 W. 20%	.17	95-2328	2nd & 4th I.F. Transformer (FM) (2 required)	1.90
63-1848	33K Ohm Resistor - 1/2 W. 10%(4 req'd)	.17	95-2330	Driver Transformer (2 required)	3.15
63-1855	47K Ohm Resistor - 1/2 W. 10%(2 req'd)	.17	95-2335	Power Transformer	12.55
63-1859	56K Ohm Resistor - 1/2 W. 10%	.17	95-2387	3rd I.F. Transformer (FM)	2.20
63-1862	68K Ohm Resistor - 1/2 W. 10%(5 req'd)	.17	100-249	Pilot Light Bulb (3 required)	.18
63-1869	100K Ohm Resistor - 1/2 W. 10%(3 req'd)	.17	100-384	Stereo Indicator Bulb	1.30
63-1870	100K Ohm Resistor - 1/2 W. 20%	.17	102-6296	Speaker Label	.03
63-1873	120K Ohm Resistor - 1/2 W. 10%	.17	102-9748	Fuse Label	.03
63-1876	150K Ohm Resistor - 1/2 W. 10%	.17	103-23	Diode (3 required)	.75
63-1880	180K Ohm Resistor - 1/2 W. 10%(2 req'd)	.17	103-96	Diode	1.90
63-1890	330K Ohm Resistor - 1/2 W. 10%	.17	105-93	38KC Filter (2 required)	.80
63-1912	1Meg Ohm Resistor - 1/2 W. 20%(2 req'd)	.17	113-8	6-32 x 1/4 x 1/4 Hex Hd. Mach. Screw - Int. Shakeproof Lockwasher (4 Used S-76319 & 2 Used On 12-4211)	.03
63-3238	Mute Control		114-335	8-18 x 1/2 x 1/4 Hex Hd. Self-Tap. Screw - Stat. Bronze (4 Join S-76322 & Chassis)	.03
63-4519	2.7 Ohm Resistor - 1/2 W. 10%(4 req'd)	.17	114-344	6-20 x 1/4 x 1/4 Hex Hd. Self-Tap. Screw - Stat. Bronze (3 Mt. 126-1150)	.03
63-4533	5.6 Ohm Resistor - 1/2 W. 10%	.17	114-654	6-20 x 3/8 x 1/4 Hex Hd. Self-Tap. Screw - Stat. Bronze (4 Mt. Ea. S-73214 & 2 Used On S-76319)	.03
63-5305	.51 Ohm Resistor - 5 W. 5%(4 req'd)	.75	114-709	8-18 x 1-1/8 x 1/4 Hex Hd. Self-Tap. Screw - Stat. Bronze (Joins S-76322 & Chassis)	.03
63-5635	150 Ohm Resistor - 2 W. 10%	.34	114-711	4-24 x 7/32 Hex Hd. Self-Tap. Screw - Stat. Bronze - Flat Washer Attached (Used On 12-4210)	.05
63-5652	390 Ohm Resistor - 2 W. 10%	.30	114-801	8-18 x 5/16 x 1/4 Hex Hd. Self-Tap. Screw - Stat. Bronze (6 Used On S-76319, 4 Used On And 2 Used On Ea. 95-2330 & 22-4808)	.03
63-5656	470 Ohm Resistor - 2 W. 10%(2 req'd)	.34	114-804	8-18 x 1/2 Hex Hd. Self-Tap. Screw - Stat. Bronze - Flat Washer Attached (4 Used On Ea. 95-2335 & S-72985)	.03
63-5663	680 Ohm Resistor - 2 W. 10%	.30	114-823	6-20 x 1/2 Hex Hd Self-Tap. Screw-Stat. Bronze Flat Washer Attached (6 Mt. 57-5377)	.03
63-6045	270 Ohm Resistor - 1 W. 10%(2 req'd)	.20	114-995	6-32 x 3/8 Hex Washer Hd. Special-Self-Tap. Screw (4 Used On 800-196)	.03
63-6361	Dual Loudness Control	3.05	121-305	Transistor - Pre-Driver (2 required)	.55
63-6362	Dual Bass Control	2.05	121-306	Transistor - Pre-Amp (2 required)	.70
63-6363	Dual Treble Control	3.50	121-333	Transistor - AM - RF - AM Mixer (2 required)	.80
63-6376	Potentiometer	.60	121-335	Transistor - AM Osc.	1.50
63-6377	50 Ohm Resistor - 3W. 10%	.30	121-347	Transistor - Bi-Plex Detector	1.20
78-402	Four Contact Socket	.15	121-399	Transistor - Driver (2 required)	1.20
78-1099	Three Contact Socket	.20	121-414	Transistor - F.M. & A.M. 1st I.F.	1.45
78-1347	Electrolytic Socket (2 required)	.10	121-415	Transistor - FM & AM 2nd I.F. - FM 3rd I.F. - FM 4th I.F. (3 required)	1.45
78-1429	Triple Light Socket & Wire	1.00	121-496	Transistor - Comp. Amp. - 19KC Amp. - 38KC Amp. - Stereo Ind. S.W. (4 req'd)	.85
78-1442	Three Contact Transistor Socket (6 required)	.30	121-497	Transistor - A.G.C. Amp.	.85
78-1486	Power Transistor Socket (2 Part Of Ea. S-73214)	.35			
78-1621	Three Contact Transistor Socket	.20			
78-1622	Three Contact Transistor Socket (5 req'd)	.30			
78-1677	Four Contact Transistor Socket (7 req'd)	.40			
*78-1736	Stereo Indicator Light Socket & Wire	.70			
80-1140	Tension Spring (Pointer)	.10			
80-1188	Tension Spring (Gang)	.10			
80-1763	Retaining Spring (1 Used On Ea. 83-5307)	.03			
80-1863	Shutter Bracket Return Spring	.10			
*80-1963	Idle Pulley Cantilever Spring				
83-3641	Five Lug Terminal Strip	.10			
83-3652	Three Lug Terminal Strip	.05			
83-5277	Insulating Strip (2 Part Of Ea. 800-196)	.03			
83-5284	Five Lug Terminal Strip	.15			
83-5286	Eight Lug Terminal Strip	.20			
83-5288	Thirteen Lug Terminal Strip	.35			
83-5289	Fifteen Lug Terminal Strip (2 required)	.40			
83-5291	Insulating Strip	.03			
83-5307	Pointer Support Strip (2 required)	.15			
83-5309	Thirty Lug Terminal Strip	.70			
83-5328	Eleven Lug Terminal Strip (2 required)	.35			
83-5399	Four Lug Terminal Strip	.20			
83-5881	Two Lug Terminal Strip	.05			

PART NO.	DESCRIPTION	PRICE	PART NO.	DESCRIPTION	PRICE
CHASSIS 26YT20 (Cont'd)			22-4665	4300 PF Mica Capacitor-300V.	1.20
125-117	Rubber Grommet (4 Used On S-72985)	.03	*22-4776	Three Section Variable Capacitor	
126-1106	Heat Dissipator (2 required)	.10	22-5012	.15 MF Capacitor-50V. (3 required)	.75
126-1150	Light Shield	1.45	22-5018	.47 MF Capacitor-50V.	.60
*126-1277	Stereo Indicator Shield		22-5167	1000 MF Electrolytic Capacitor-30V.	3.20
149-211	Iron Core (1 Part Of Ea. S-76316 & S-72828)	.10	22-5315	300 MF Electrolytic Capacitor-35V.	1.80
149-370	Iron Core (Part Of S-76317)	.15	22-5316	500 MF Electrolytic Capacitor-50V. (2 required)	2.50
159-154	Plug Button (4 Part Of S-76333)	.10	22-5362	1000 MF Electrolytic Capacitor-50V.	4.05
*171-61	Stereo Indicator Lens	.20	*22-5429	.0056 MF Capacitor-50V. (2 req'd)	
188-422	Clamping Ring (Part of S-72985)	.03	*22-5430	2 x 100 MF Electrolytic Capacitor-15V.	
*192-410	Dial Crystal	2.60	*22-5431	2 x 500 MF Electrolytic Capacitor-50V.	
199-405	Shielded Paper Sleeve	.05	*22-5439	.056 MF Capacitor-50V. (2 req'd)	
205-51	Silicon Grease (Part Of 800-196)	.16	22-5460	.0047 MF Disc Capacitor-1400V.	
212-61	Rectifier (2 required)	1.35	*26-1395	Logging Scale-R. H. (Part of 800-178)	
800-196	Power Output Transistor - Matched Pair (2 required)	5.00	*26-1396	Logging Scale-L. H. (Part of 800-179)	
S-49418	Drive Cord & Eyelet Assembly (Pointer)	.20	*26-1397	Dial Scale (AM-FM)	
S-59959	A.C. Interlock & Bracket Assembly	.40	*46-5718	Push Button-On-Off & Monaural (2 req'd)	
S-61578	Drive Cord & Eyelet Assembly (Gang)	.15	*46-5772	Tone Control Knob-Bass & Treble (2 req'd)	
S-69382	Tape Jack & Bracket Assembly	.95	*46-5773	Tuning Knob	
S-71057	Drive Cord & Eyelet Assembly (Gang)	.30	*46-5774	Bandswitch Knob	
S-71060	Drive Cord & Eyelet Assembly (Pointer)	.25	*46-5775	Bass Indicator	
S-71214	Bracket & Terminal Strip Assembly	.95	*46-5776	Treble Indicator	
S-72586	FM Tuner Assembly (See FM Tuner Parts List For Components)	45.80	*46-5777	Balance Control Knob	
S-72985	FM Tuner & Pin Assembly		*46-5778	Loudness Control Knob	
S-72828	Oscillator Coil Assembly	1.60	*52-1381	Two Conductor Cable	
S-73214	Heat Sink & Socket Assembly (2 req'd)	2.10	*52-1390	Two Conductor Shielded Lead	
S-76316	Detector Coil Assembly - Wiring		*52-1391	Two Conductor Shielded Lead	
*S-76317	Antenna Coil Assembly - Wiring		54-139	3/8-32 x 9/16 Palnut-Cadmium (1 used on ea. 63-7089, 63-7090, 63-7091, & 85-980)	.03
*S-76319	Control Panel Assembly		54-254	Tinneman Speed Nut (2 used on ea. 171-54 & 171-55)	
*S-76322	Escutcheon Assembly		54-348	8-32 "Keps" Nut-Cadmium-Ext. Lock-washer Attached (4 used on 95-2518)	.05
*S-76333	Shield & Strip Assembly		54-541	Palnut (1 used on ea. 19-530)	.03
			54-633	Transistor Socket Retaining Nut (1 used on ea. 78-1621, 78-1622 & 78-1677)	.10
			*54-776	Tinneman Speed Nut (3 used on ea. 171-59 & 171-56)	
CHASSIS 26YT21			*54-777	Tinneman Speed Nut (2 used on 57-6244)	
*12-4583	Bearing Bracket		*57-6244	Support Plate (Shutter Bracket)	
*12-4588	Switch Mtg. Bracket		*57-6264	Die-Cast Escutcheon	
*12-4589	Chassis Mtg. Bracket		58-214	Connector Plug	.10
*12-4590	Chassis Mtg. Bracket		58-246	Two Prong Plug (AC)	.15
*12-4633	Variable Capacitor Mtg. Bracket		*59-849	Dial Pointer (L. H.)	
*12-4643	Shutter Bracket		*59-850	Dial Pointer (R. H.)	
17-170	Cable Clamp	.05	63-1701	10 Ohm Resistor - 1/2 W. 10%	.17
19-238	Coil Mtg. Clip (1 Part of Ea. S-76055 & S-76056)	.10	63-1736	68 Ohm Resistor - 1/2 W. 10% (3 req'd)	.17
19-448	Terminal Clip	.05	63-1743	100 Ohm Resistor - 1/2 W. 10%	.17
19-464	Coil Mtg. Clip (Part of S-76054)	.05	63-1750	150 Ohm Resistor - 1/2 W. 10%	.17
19-492	Wire Clip (7 required)	.05	63-1757	220 Ohm Resistor - 1/2 W. 10% (5 req'd)	.17
*19-530	Dial Crystal Retaining Clip (4 req'd)		63-1761	270 Ohm Resistor - 1/2 W. 10%	.17
20-2033	Peaking Coil	.40	63-1764	330 Ohm Resistor - 1/2 W. 10% (5 req'd)	.17
22-3	.01 MF Disc Capacitor-500V (3 req'd)	.30	63-1771	470 Ohm Resistor - 1/2 W. 10% (10 required)	.17
22-9	100 PF Disc Capacitor-500V.	.25	63-1775	560 Ohm Resistor - 1/2 W. 10% (3 req'd)	.17
22-13	.0033 MF Disc Capacitor-500V. (4 req'd)	.25	63-1778	680 Ohm Resistor - 1/2 W. 10% (4 req'd)	.17
22-18	.0022 MF Disc Capacitor-500V. (3 req'd)	.25	63-1782	820 Ohm Resistor - 1/2 W. 10% (2 req'd)	.17
22-2434	2 PF Gimmick Capacitor-500V.	.25	63-1785	1K Ohm Resistor - 1/2 W. 10% (9 req'd)	.17
22-2720	1 PF Gimmick Capacitor-500V. (3 req'd)	.20	63-1789	1200 Ohm Resistor - 1/2 W. 10%	.17
22-2729	.001 MF Disc Capacitor-25V.	.25	63-1792	1500 Ohm Resistor - 1/2 W. 10%	.34
22-2884	5 MF Electrolytic Capacitor-12V. (4 required)	1.50	63-1796	1800 Ohm Resistor - 1/2 W. 10% (3 req'd)	.17
22-3010	.01 MF Disc Capacitor-25V.	.45	63-1799	2200 Ohm Resistor - 1/2 W. 10% (5 req'd)	.17
22-3034	.05 MF Disc Capacitor-25V. (22 req'd)	.45	63-1803	2700 Ohm Resistor - 1/2 W. 10% (3 req'd)	.17
22-3177	390 PF Disc Capacitor-500V. (2 req'd)	.25	63-1806	3300 Ohm Resistor - 1/2 W. 10%	.17
22-3255	330 PF Disc Capacitor-200V. (2 req'd)	.25	63-1813	4700 Ohm Resistor - 1/2 W. 10% (3 req'd)	.17
22-3448	10 MF Electrolytic Capacitor-50V.	1.00	63-1817	5600 Ohm Resistor - 1/2 W. 10% (5 req'd)	.17
22-3512	.01 MF Disc Capacitor-1KV	.25	63-1820	6800 Ohm Resistor - 1/2 W. 10%	.17
22-3527	.22 MF Disc Capacitor-12V.	.60	63-1824	8200 Ohm Resistor - 1/2 W. 10% (2 req'd)	.17
22-3652	.1 MF Disc Capacitor-10V.	.30	63-1825	9100 Ohm Resistor - 1/2 W. 5%	.34
22-3670	2 MF Electrolytic Capacitor-6V.	1.00	63-1826	10K Ohm Resistor - 1/2 W. 5%	
22-3675	10 PF Disc Capacitor-500V.	.25	63-1827	10K Ohm Resistor - 1/2 W. 10% (3 req'd)	
22-3687	1 MF Electrolytic Capacitor-1KV. (4 required)	.90	63-1831	12K Ohm Resistor - 1/2 W. 10%	
22-3694	.1 MF Capacitor-100V. (2 required)	.35	63-1834	15K Ohm Resistor - 1/2 W. 10% (7 req'd)	
22-3748	.001 MF Disc Capacitor-1KV. (2 req'd)	.25	63-1841	22K Ohm Resistor - 1/2 W. 10% (4 req'd)	
22-3826	.022 MF Capacitor-100V. (3 req'd)	.30	63-1848	33K Ohm Resistor - 1/2 W. 10% (4 req'd)	.17
22-3891	.0068 MF Capacitor-100V. (2 req'd)	.30	63-1852	39K Ohm Resistor - 1/2 W. 10% (3 req'd)	
22-3944	.0047 MF Disc Capacitor-25V.	.25	63-1855	47K Ohm Resistor - 1/2 W. 10% (2 req'd)	
22-4343	.047 MF Capacitor-200V.	.30			

PART NO.	DESCRIPTION	PRICE	PART NO.	DESCRIPTION	PRICE
CHASSIS 26YT21 (Cont'd)			95-2325	1st I.F. Transformer (AM)	1.80
63-1859	56 K Ohm Resistor - 1/2 W. 10%		95-2326	2nd I.F. Transformer (AM)	1.95
63-1862	68 K Ohm Resistor - 1/2 W. 10%		95-2327	3rd I.F. Transformer (AM)	2.65
63-1869	100 K Ohm Resistor - 1/2 W. 10%(4 req'd)	.17	95-2328	2nd & 4th I.F. Transformer-FM(2 req'd)	1.90
63-1873	120 K Ohm Resistor - 1/2 W. 10%	.17	95-2387	3rd I.F. Transformer (FM)	2.20
63-1876	150 K Ohm Resistor - 1/2 W. 10%(3 req'd)	.17	* 95-2518	Power Transformer	
63-1883	220 K Ohm Resistor - 1/2 W. 10%(2 req'd)		* 95-2559	Driver Transformer (2 required)	
63-1887	270 K Ohm Resistor - 1/2 W. 10%		100-249	Pilot Light Bulb (4 required)	.18
63-1897	470 K Ohm Resistor - 1/2 W. 10%(2 req'd)		100-384	Stereo Indicator Bulb	1.30
63-1912	1 Megohm Resistor - 1/2 W. 20%(2 req'd)	.17	* 100-414	Dial Bulb - Frosted (4 required)	
63-3238	Mute Control		103-23	Diode (3 required)	.75
63-4519	2.7 Ohm Resistor - 1/2 W. 10%(4 req'd)	.17	103-96	Diode	1.90
63-4533	5.6 Ohm Resistor - 1/2 W. 10%	.17	105-93	38 KC Filter (2 required)	.80
63-4671	270 Ohm Resistor - 2 W. 10%(2 req'd)	.34	113-8	6-32 x 1/4 x 1/4 Hex Hd. Mach. Screw- Int. Shakeproof Lockwasher (3 join 12-4633 & 22-4776, 2 used on 85-979 & 85-981)	.03
63-4843	63 Ohm Resistor - 4 W. 10%	.65	114-335	8-18 x 1/2 x 1/4 Hex Hd. Self-Tap. Screw- Stat. Bronze (5 join 57-6264 & Chassis)	.03
63-5305	.5 Ohm Resistor - 5 W. 5%(4 req'd)	.75	114-423	8-18 x 5/16 x 1/4 Hex Hd. Self-Tap. Screw- Stat. Bronze (4 join 800-196 & 57-6264)	.03
63-5635	150 Ohm Resistor - 2 W. 10%	.34	114-654	6-20 x 3/8 x 1/4 Hex Hd. Self-Tap. Screw- Stat. Bronze (4 Mt. Ea. S-73214)	.03
63-5652	390 Ohm Resistor - 2 W. 10%	.30	114-801	8-18 x 5/16 x 1/4 Hex Hd. Self-Tap. Screw- Stat. Bronze (1 used on 17-170, 2 used on ea. 12-4588, 12-4583 & 12-4633, 3 used on 126-1264, 4 used on ea. 12-4589 and 12-4590, 1 joins 12-4589 and S-76044, 4 joins 12-4589, 12-4590 and S-76044 & 1 joins 12-4590 and S-76044)	.03
63-5656	470 Ohm Resistor - 2 W. 10%(2 req'd)	.34			
63-5663	680 Ohm Resistor - 2 W. 10%	.30			
63-6376	Potentiometer	.60			
* 63-7089	Dual Treble Control				
* 63-7090	Dual Bass Control				
* 63-7091	Dual Loudness Control				
78-402	Four Contact Socket	.15			
78-1099	Three Contact Socket	.20			
78-1347	Electrolytic Socket	.10			
78-1486	Power Transistor Socket (4 req'd)	.35			
78-1621	Three Contact Transistor Socket	.20			
78-1622	Three Contact Transistor Socket (11 required)	.30			
78-1677	Four Contact Transistor Socket (7 req'd)	.40			
* 78-1723	Stereo Indicator Light Socket & Wire		114-804	8-18 x 1/2 Hex Hd. Self-Tap. Screw- Stat. Bronze-Flat Washer Attached (4 used on S-76020)	.03
* 78-1726	Control Panel Light Socket & Wire		114-995	6-32 x 3/8 Hex Washer Hd. Special Self- Tap. Screw (4 used on 800-196)	.03
* 78-1727	Escutcheon Light Socket & Wire		* 114-1048	8-18 x 5/16 Hex Hd. Special Shoulder Self-Tap. Screw-Cadmium (4 used on 57-6264)	
* 78-1728	Cabinet Light Socket & Wire		121-333	Transistor-A.M. R.F. - A.M. Mixer (2 required)	.80
80-69	Dial Cord Tension Spring (Pointer)	.15	121-335	Transistor-A.M. OSC	1.50
80-1091	Tension Spring (Gang)	.08	121-347	Transistor-Bi-Plex Detector	1.20
* 80-1937	Shutter Bracket Return Spring		121-414	Transistor-F.M. & A.M. 1st I.F.	1.45
83-4633	Felt Strip (2 required)	.03	121-415	Transistor-F.M. & A.M. 2nd I.F. - F.M. 3rd I.F. F.M. 4th I.F. (3 req'd)	1.45
83-4987	Twelve Lug Terminal Strip	.30	121-430	Transistor-Pre-Driver (2 required)	1.10
83-5038	Insulating Strip (used on 83-4987)	.05	121-433	Transistor-Pre-Amp. (2 required)	1.30
83-5164	Four Lug Terminal Strip		121-442	Transistor-Driver (2 required)	1.30
83-5165	Insulating Strip (used on 83-5164)		121-496	Transistor-Comp. Amp. - 19 KC Amp.- 38 KC Amp.- Stereo Ind. SW (4 required)	.85
83-5277	Insulating Strip (2 part of ea. 800-196)	.03	* 121-497	Transistor - A.G.C. Amp.	.85
83-5286	Eight Lug Terminal Strip (2 required)	.20	125-117	Rubber Grommet (4 used on S-76020)	.03
83-5287	Ten Lug Terminal Strip	.25	* 126-1264	Shield (Hum)	
83-5381	Six Lug Terminal Strip	.15	149-211	Iron Core (1 part of ea. S-76055 & S-76056)	.10
83-5382	Insulating Strip (used on 83-5381)	.03	149-370	Iron Core (Part of S-76054)	.15
83-5386	Nine Lug Terminal Strip	.20	* 171-54	Indicator Lens (Stereo-FM)	
83-5648	Fourteen Lug Terminal Strip (2 req'd)	.50	* 171-55	Indicator Lens (Mode)	
* 83-6101	Rubber Channel Strip - 5-5/8" Lg. (2 required)		* 171-56	Indicator Lens (Bass-Treble-Volume)	
* 83-6102	Rubber Channel Strip - 5/8" Lg.		* 171-59	Indicator Lens (On-Off-Stereo-Tuning)	
* 83-6103	Rubber Channel Strip - 7" Lg. (2 req'd)		* 192-400	Dial Crystal	
* 83-6104	Control Trim Strip		199-294	Shielded Paper Sleeve	.05
83-6161	Twenty-Four Lug Terminal Strip		199-436	Shielded Paper Sleeve	.05
83-6183	Four Lug Terminal Strip		212-61	Rectifier (2 required)	1.35
83-6184	Insulating Strip (2 used on 83-6183)		205-51	Silicone Grease (Part of 800-196)	.16
83-6185	Ten Lug Terminal Strip		* 800-178	Reflector Shield & Logging Scale Assembly (R.H.)	
83-6186	Insulating Strip (used on 83-6185)		* 800-179	Reflector Shield & Logging Scale Assembly (L.H.)	
* 83-6187	Five Lug Terminal Strip (Antenna)		800-196	Power Output Transistor-Matched Pair (2 required)	5.00
* 83-6192	Five Lug Terminal Strip		S-56750	Drive Cord & Eyelet Assembly (Gang)	.15
* 83-6193	Insulating Strip (2 required)		S-73214	Heat Sink & Socket Assembly (2 req'd)	2.10
* 85-979	AC Switch				
* 85-980	Five Position Switch				
* 85-981	Stereo-Monaural - Switch				
86-30	Wire Retaining Terminal (2 required)				
86-312	Wire Retaining Terminal (4 required)	.03			
86-388	Connector Terminal (1 used on ea. 78-1726 & 78-1727, 2 used on ea. 52-1390, 52-1391 & 78-1723)	.05			
95-2313	Doubler Mixer Transformer	3.05			
95-2314	Detector Mixer Transformer	2.90			
95-2315	Input Mixer Transformer	3.05			
95-2316	Trap Coil	1.86			
95-2324	Ratio Detector Transformer	4.75			

PART NO.	DESCRIPTION	PRICE
MODEL X547-1 (Cont'd)		
*964-13364-A	Screw-3/8 Sheet Metal-N.P. (2 Mt. 964-18586-9 & 1 Mts. 964-19874)	.03
964-13621	Terminal, Amp. (4 required)	.05
*964-14822-A	Screw-5/8 Wood-N.P. (2 Mt. 964-20009)	
*964-16450-A	Hinge	.70
964-16456	Warning Label	.20
964-16981	Grommet	.05
964-17170	Terminal	.03
964-17179-3	Remote Cable - Brown	1.30
964-17220	45 RPM Adapter Mtg. Clip (6 required)	.05
964-17445	Clamp, Nylon Cord	.10
964-18243-3	Power Cord - Brown	2.00
964-18315	Tee Nut 1/4-20 x 5/16 (2 required)	.25
*964-18586-9	Clip - Black (45 RPM Spindle)	.30
964-19848	Terminal (6 required)	.05
964-19874	Two Lug Terminal Strip	.20
964-19970-6A	Handle Assembly w/Hardware	1.30
964-19993-A	Friction Support, Changer Shelf	1.30
964-19998-9	Eyelet (2 required)	.35
*964-20009	Amplifier Cover	.70
964-20010	Bumper (5 required)	.45
964-20011-A	Eyelet (2 required)	.20
964-20012-P	Baffle, Speaker w/Grille-Model X547P1	4.00
964-20012-X	Baffle, Speaker w/Grille-Model X547X1	4.00
964-20016-A	Catch w/Strike - N.P.	.70
964-20017-8	Bumper (4 required)	.30
964-20022	Case Assembly w/Hardware & Motor-board - Model X547P1	
964-20027	Case Assembly w/Hardware & Motor-board - Model X547X1	
*964-20038-A	Screw 8 x 1 3/4 - N.P. (4 Mt. 169-275)	
964-20039	Spacer - 1/4" (2 required)	
*964-20040	Eyelet (4 required)	.03
964-20041	Grommet (4 required)	.05
964-20042	Spacer - 7/16" (4 required)	.05
964-20043	Knob Assembly - 2 Volume and 1 Tone (3 required)	1.20
964-20045	Trim Escutcheon	2.95
964-20046	Channel Locking Strip	1.60
964-20047	Panel Escutcheon	7.75
964-20069-3	Remote Cable - Brown	.60
964-20082	5" x 7" PM Speaker (2 required)	10.75
964-20122	Clip, Knob (3 required)	
*964-20124	Emblem	
964-20309	Grille Cloth - Model X547P1	
964-20310	Grille Cloth - Model X574X1	
*964-20311	Satin Chrome Trim - 16" Lg. (4 required)	1.15
16-2969	Packing Carton	
56-528	Dual Needle - .7 Mil & 3 Mil Mfg. Sapphire-Sapphire (Part of 142-148)	2.00
101-772	Transistor Layout & Patent Label	.30
125-62	Rubber Grommet	.03
142-148	Dual Pickup Cartridge - .7 Mil & 3 Mil Mfg. Sapphire-Sapphire (Part of 169-275)	4.80
169-275	Record Changer	
202-2960	Instruction Book	.65
205-51	Heat Conductive Grease (Part of 964-19862 & 964-19863)	.16
S-69287	45 RPM Adapter	2.40

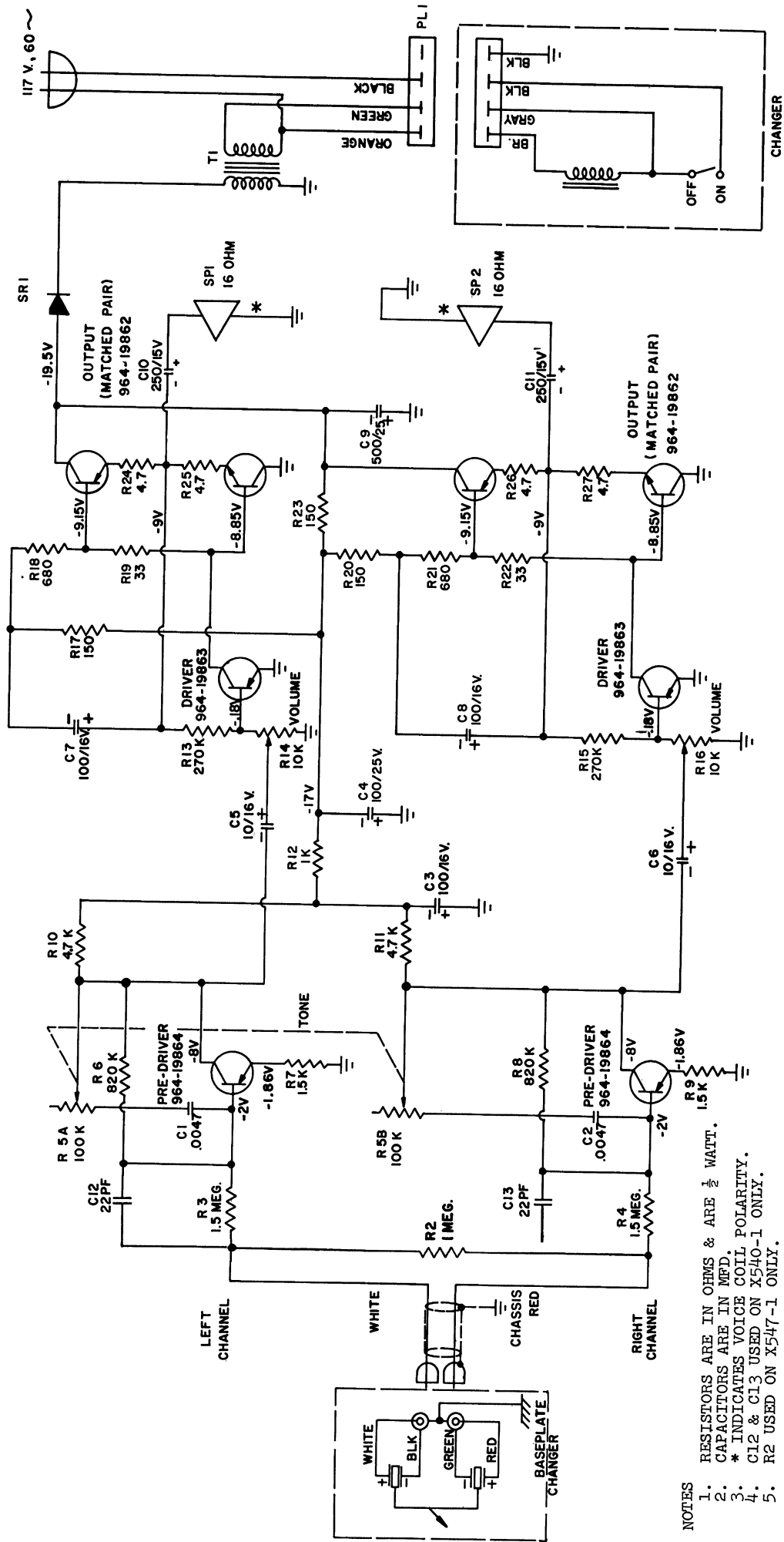
MODEL - X560W1

63-1736	68 Ohm Resistor-2W. 10% (4 Req.)	.17
63-1757	220 Ohm Resistor-1/2W. 10% (2 Required)	.17
63-1761	270 Ohm Resistor-1/2W. 10% (2 Required)	.17
63-1768	390 Ohm Resistor-1W. 10% (2 req'd.)	.17
63-1782	820 Ohm Resistor-1/2W. 10% (4 Req.)	.17
63-1792	1500 Ohm Resistor-1/2W. 10% (2 Req.)	.34
63-1799	2200 Ohm Resistor-1/2W. 10% (2 Req.)	.17
63-1803	2700 Ohm Resistor-1/2W. 10% (4 Req.)	.17
63-1813	4700 Ohm Resistor-1/2W. 10% (4 Req.)	.17
63-1841	22K Ohm Resistor-1/2W. 10% (2 Req.)	.17
63-1848	33K Ohm Resistor-1/2W. 10% (2 Req.)	.17

PART NO.	DESCRIPTION	PRICE
63-1873	120K Ohm Resistor-1/2W. 10% (4 Req.)	.17
63-1876	150K Ohm Resistor-1/2W. 10% (2 Req.)	.17
63-1897	470K Ohm Resistor-1/2W. 10% (2 Req.)	.17
63-1911	1 Megohm Resistor-1/2W. 10% (2 Req.)	.17
63-4528	4.7 Ohm Resistor-1/2W. 5% (4 Req.)	.34
964-8895	Spacer-Transistor (8 Required)	.03
964-9196	Lockwasher-Transistor (9 Required)	.03
964-9197	6-32 Nut-Transistor (8 Required)	.03
964-10544	6-32 x 3/8 Screw-Transistor (8 Req.)	
964-10545	3/8 Palnut' (4 Required)	.03
964-12961	4 Mfd. Capacitor (2 Required)	1.70
964-14327	Audio Cable	1.40
964-16584	1 Ohm Resistor-2W. 10% (4 Required)	.35
964-16599	Transistor-Output (4 Required)	3.95
964-16684	Mica Washer-Transistor (4 Required)	.05
964-16685	Solder Lug (5 Required)	.03
964-17443	Rectifier (2 Required)	1.20
964-18451	Driver Transformer	
964-18453	Electrolytic Capacitor-1000/500, 35V.	
964-18628	Driver Transformer	
964-19612	.47 Mfd. Capacitor-3V. (2 Required)	
964-19613	.0033 Mfd. Capacitor-500V. (2 Req.)	
964-19614	.001 Mfd. Capacitor-500V. (2 Req.)	
964-19615	5 Mfd. Capacitor-15V. (2 Req.)	
964-19638	.05 Mfd. Capacitor-100V. (2 Required)	
964-19639	.1 Mfd. Capacitor-10V. (8 Required)	
964-19752	.0068 Mfd. Capacitor-500V. (2 Req.)	
964-19758	1.0 Mfd. Capacitor-15V. (2 Required)	
964-19837	200 Mfd. Capacitor-25V. (2 Required)	
964-20060-B	100 Mfd. Capacitor-15V. (2 Required)	1.40
964-20307	500 Mfd. Capacitor-25V.	2.65
964-20622	Post Quick Disconnect (9 Required)	
964-20623	Socket Quick Disconnect (3 Required)	
964-20737	.22 Mfd. Capacitor-10V. (2 Required)	
964-20738	Pre-Amp Transistor (4 Required)	
964-20739	Driver Transistor (2 Required)	
964-20743	Power Transformer	
964-20746-5	Remote Cable Assembly (2 Required)	
964-21274	Chassis Bracket	

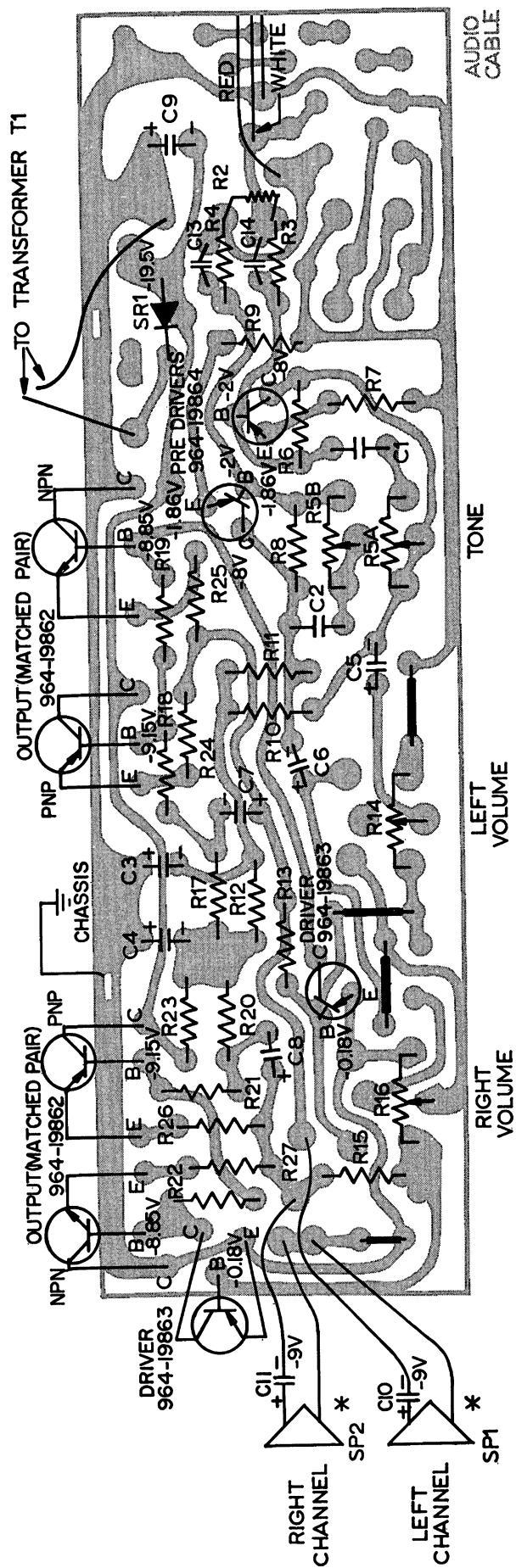
S-72586-F.M. TUNER COMPONENTS

12-4192	Tuner Guide Bracket	.30
12-4193	Coil Mtg. Bracket	.15
19-322	Coil Mtg. Clip (4 required)	.05
20-1256	Trap Coil	.50
22-2374	6 Pf Disc Capacitor	.25
22-2424	1.5 Pf Gimmick Capacitor	.20
22-2642	15 Pf Disc Capacitor	.25
22-3258	34 Pf Disc Capacitor (3 required)	.25
22-3393	.01 Mf Disc Capacitor - 25V. (6 required)	.25
*22-3479	2.2 Pf Disc Capacitor	
22-3604	5 Pf Disc Capacitor	.30
22-3621	22 Pf Disc Capacitor	.25
22-3652	.1 Mf Disc Capacitor - 10V.	.30
22-4613	Feed-Thru Capacitor (5 required)	.10
22-5164	1.2 Pf Gimmick Capacitor	.20
*24-1372	Tuner Cover	
44-48	Antenna Jack	.20
56-426	Roll Pin (4 required)	.05
57-5333	Bearing Plate	.03
63-4143	100 Ohm Resistor - 1/4W. 10%	.17
63-4157	220 Ohm Resistor - 1/4W. 10% (3 req'd)	.17
63-4171	470 Ohm Resistor - 1/4W. 10%	.17
63-4178	680 Ohm Resistor - 1/4W. 10%	.17
63-4185	1K Ohm Resistor - 1/4W. 10%	.17
63-4192	1500 Ohm Resistor - 1/4W. 10% (2 req'd)	.17
63-4199	2200 Ohm Resistor - 1/4W. 10%	.17
63-4210	3900 Ohm Resistor - 1/4W. 10%	.17
63-4227	10K Ohm Resistor - 1/4W. 10%	.17
63-4241	22K Ohm Resistor - 1/4W. 10%	.17
63-4283	220K Ohm Resistor - 1/4W. 10%	.17
63-4297	470K Ohm Resistor - 1/4W. 10%	.17
76-1541	Guide Shaft (2 required)	.20
76-1542	Drive Shaft	2.05
*78-1378	Transistor Socket (3 required)	
79-174-12	#18 Sleeving - Yellow - 1-1/2 inch	.03

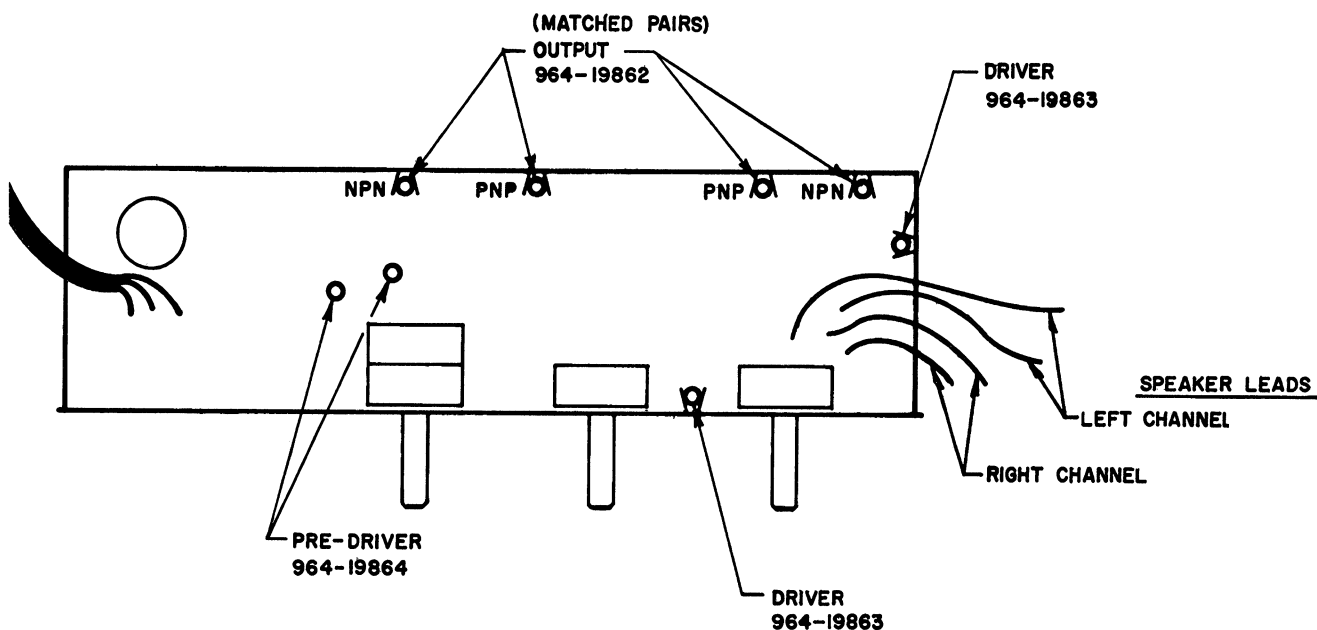


NOTES

1. RESISTORS ARE IN OHMS & ARE $\frac{1}{2}$ WATT.
2. CAPACITORS ARE IN MFD.
3. * INDICATES VOICE COIL POLARITY.
4. C12 & C13 USED ON X540-1 ONLY.
5. R2 USED ON X547-1 ONLY.

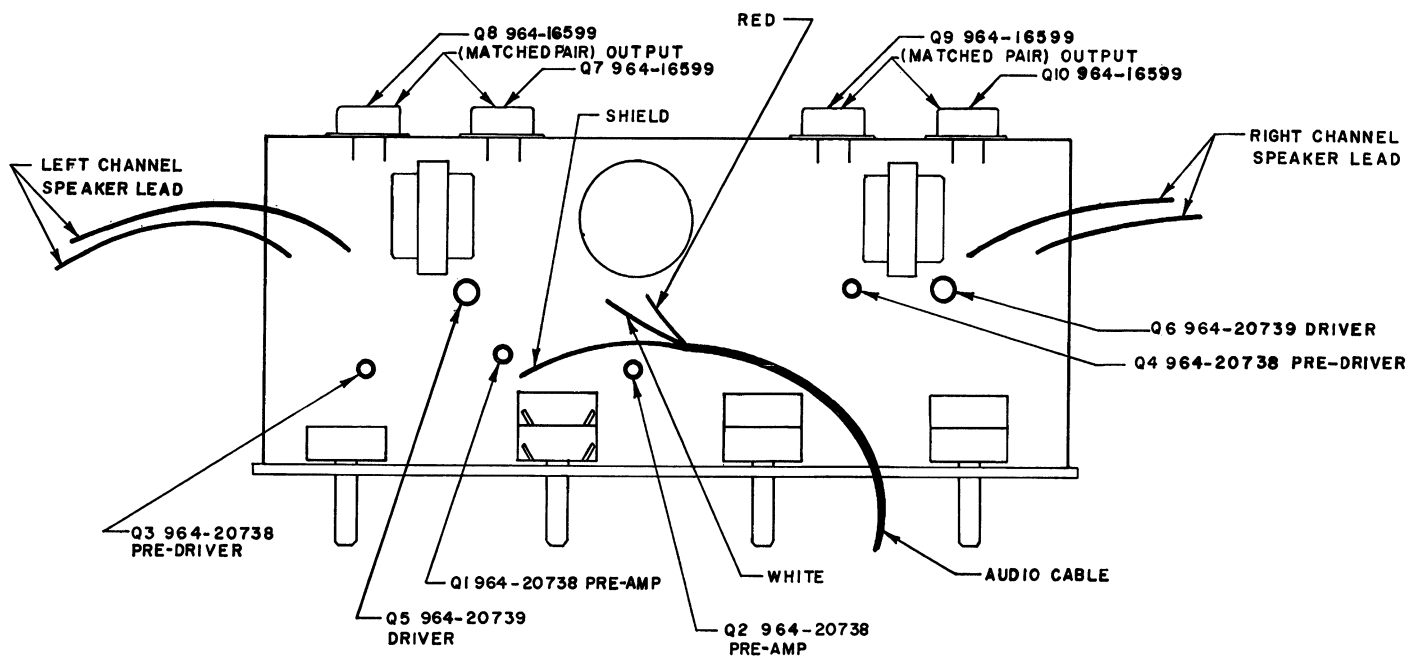


X540-1 & X547-1 CHASSIS WIRING AND COMPONENTS



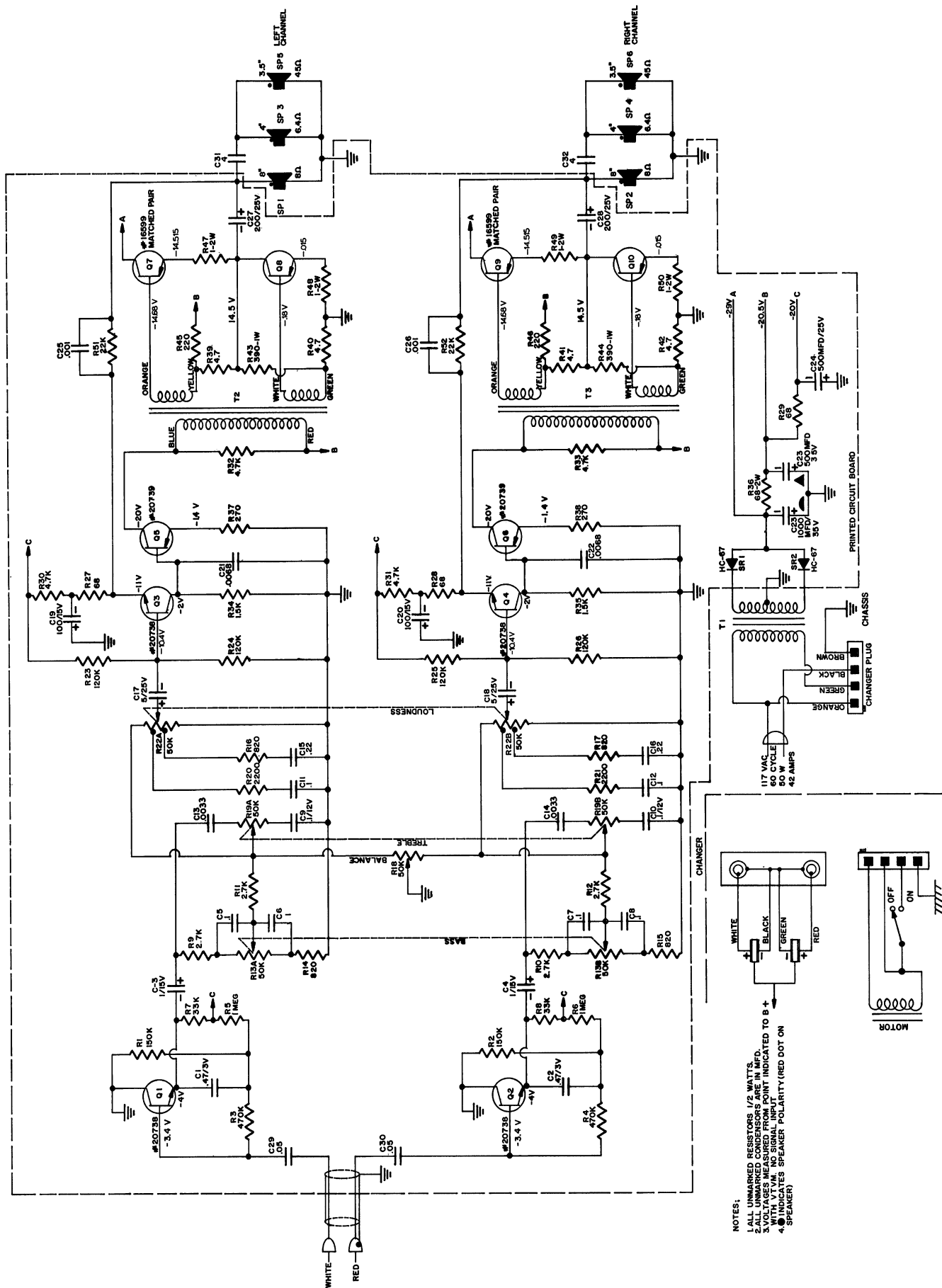
TRANSISTOR LAYOUT

X540-I & X547-I CHASSIS LAYOUT



TRANSISTOR LAYOUT

X560-I CHASSIS LAYOUT

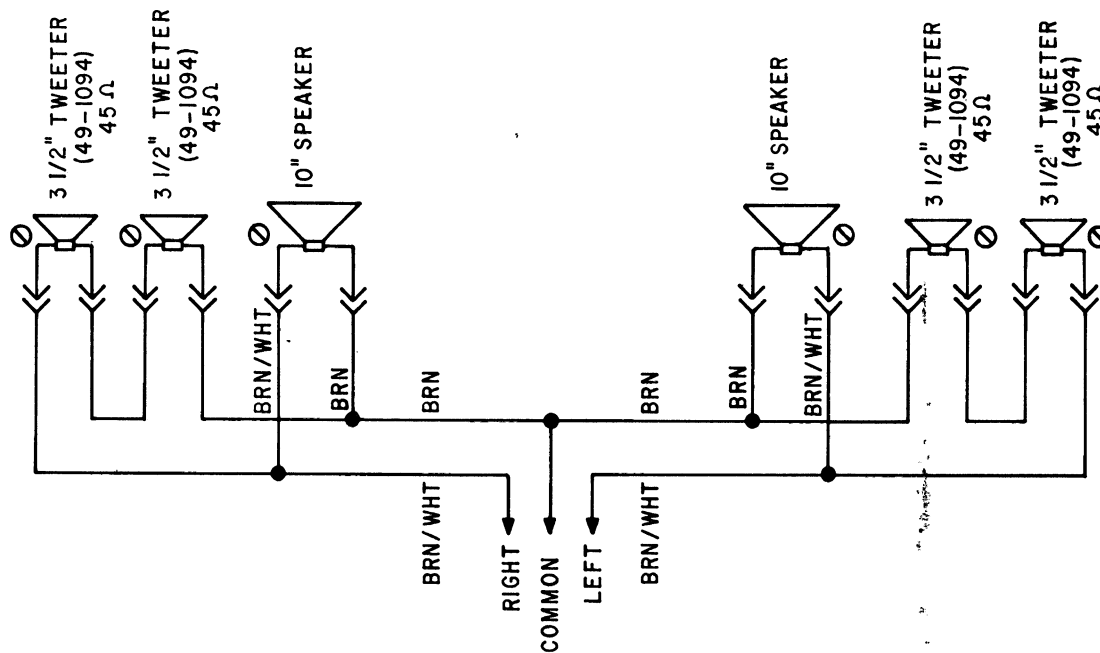


- NOTES:
1. ALL UNMARKED RESISTORS 1/2 WATTS.
 2. ALL UNMARKED CAPACITORS ARE IN MFD.
 3. ALL UNMARKED CAPACITORS ARE IN MFD.
 4. WITH V-T-W, NO SIGNAL INPUT.
 5. WITH V-T-W, NO SIGNAL INPUT.
 6. WITH V-T-W, NO SIGNAL INPUT.
 7. WITH V-T-W, NO SIGNAL INPUT.
 8. WITH V-T-W, NO SIGNAL INPUT.
 9. WITH V-T-W, NO SIGNAL INPUT.
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 11. WITH V-T-W, NO SIGNAL INPUT.
 12. WITH V-T-W, NO SIGNAL INPUT.
 13. WITH V-T-W, NO SIGNAL INPUT.
 14. WITH V-T-W, NO SIGNAL INPUT.
 15. WITH V-T-W, NO SIGNAL INPUT.
 16. WITH V-T-W, NO SIGNAL INPUT.
 17. WITH V-T-W, NO SIGNAL INPUT.
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 19. WITH V-T-W, NO SIGNAL INPUT.
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 25. WITH V-T-W, NO SIGNAL INPUT.
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 27. WITH V-T-W, NO SIGNAL INPUT.
 28. WITH V-T-W, NO SIGNAL INPUT.
 29. WITH V-T-W, NO SIGNAL INPUT.
 30. WITH V-T-W, NO SIGNAL INPUT.
 31. WITH V-T-W, NO SIGNAL INPUT.
 32. WITH V-T-W, NO SIGNAL INPUT.
 33. WITH V-T-W, NO SIGNAL INPUT.
 34. WITH V-T-W, NO SIGNAL INPUT.
 35. WITH V-T-W, NO SIGNAL INPUT.
 36. WITH V-T-W, NO SIGNAL INPUT.
 37. WITH V-T-W, NO SIGNAL INPUT.
 38. WITH V-T-W, NO SIGNAL INPUT.
 39. WITH V-T-W, NO SIGNAL INPUT.
 40. WITH V-T-W, NO SIGNAL INPUT.

X560-I SCHEMATIC

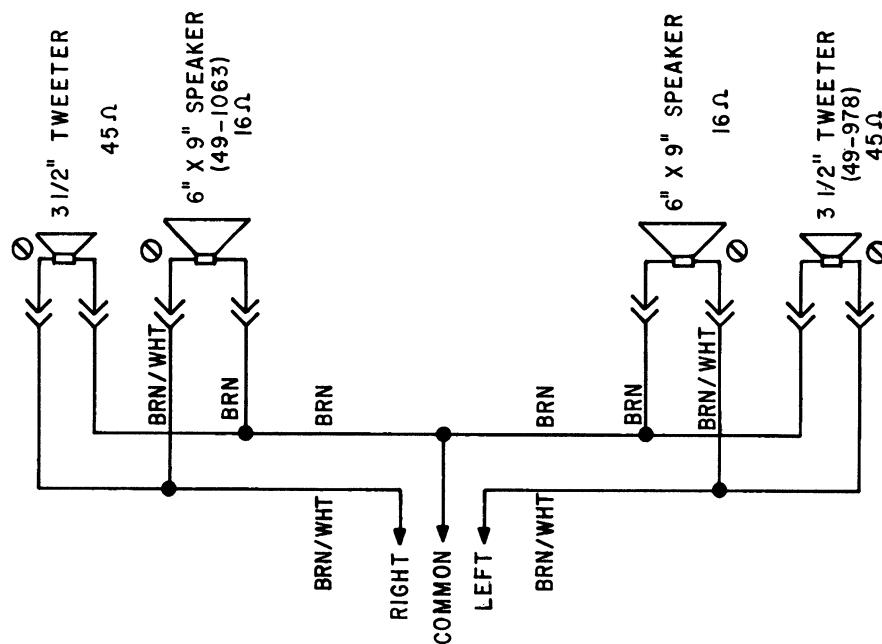
SPEAKER WIRING FOR MODELS

Y920, Y922, Y924



SPEAKER WIRING FOR MODEL

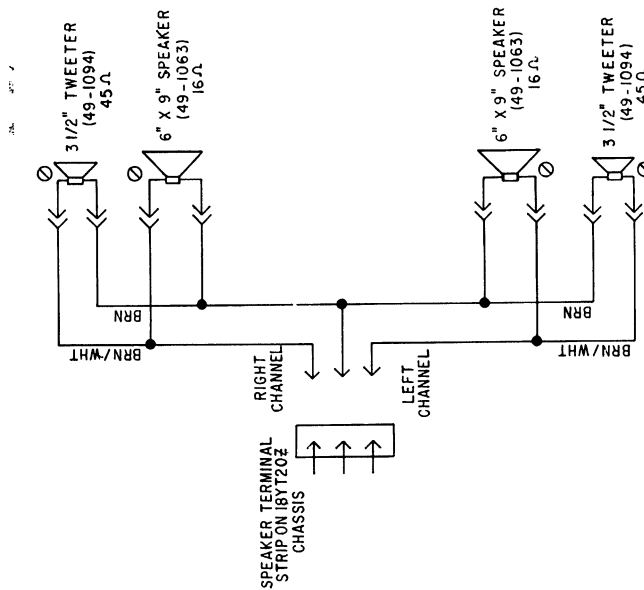
Y804



NOTE:
 ○ INDICATES WHITE OR YELLOW VOICE COIL
 POLARITY IDENTIFICATION DOT ON SPEAKER

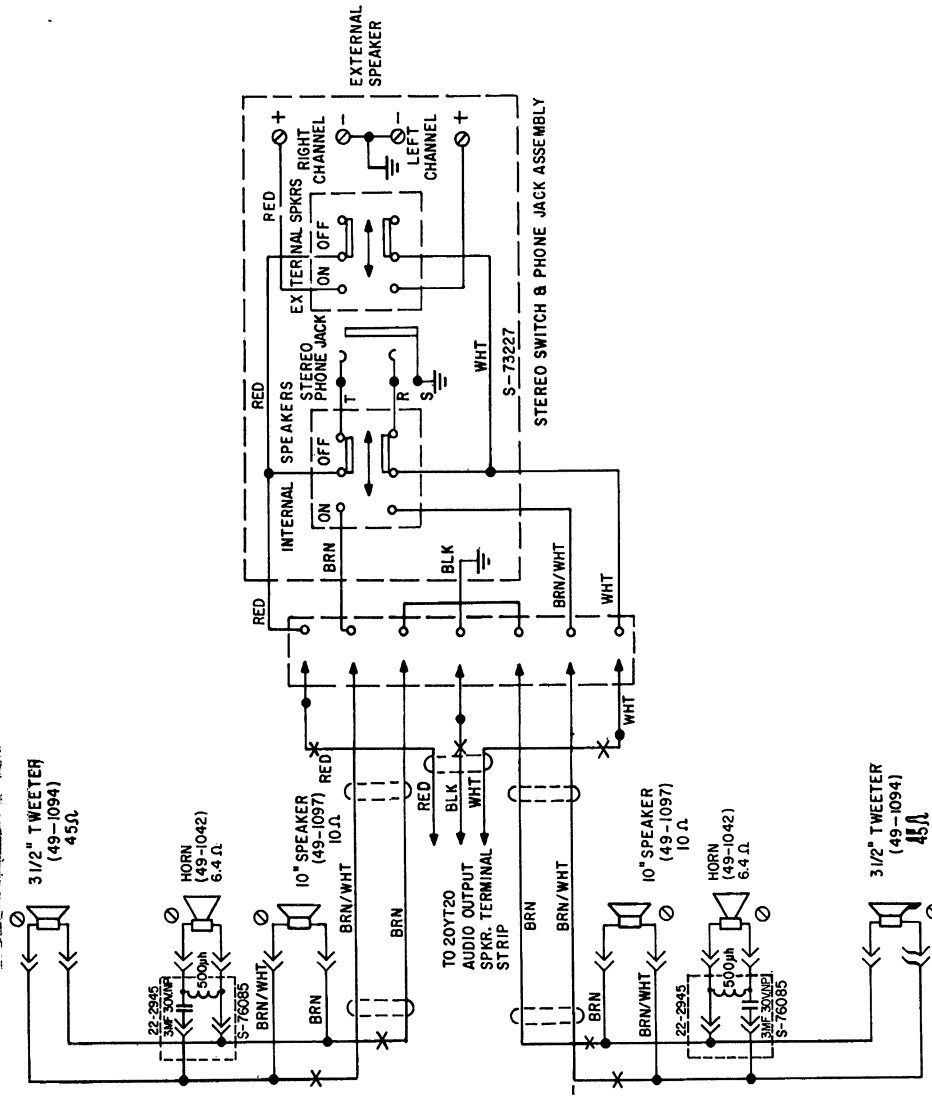
SPEAKER SCHEMATICS

SPEAKER WIRING FOR
MODEL Y910, Y914

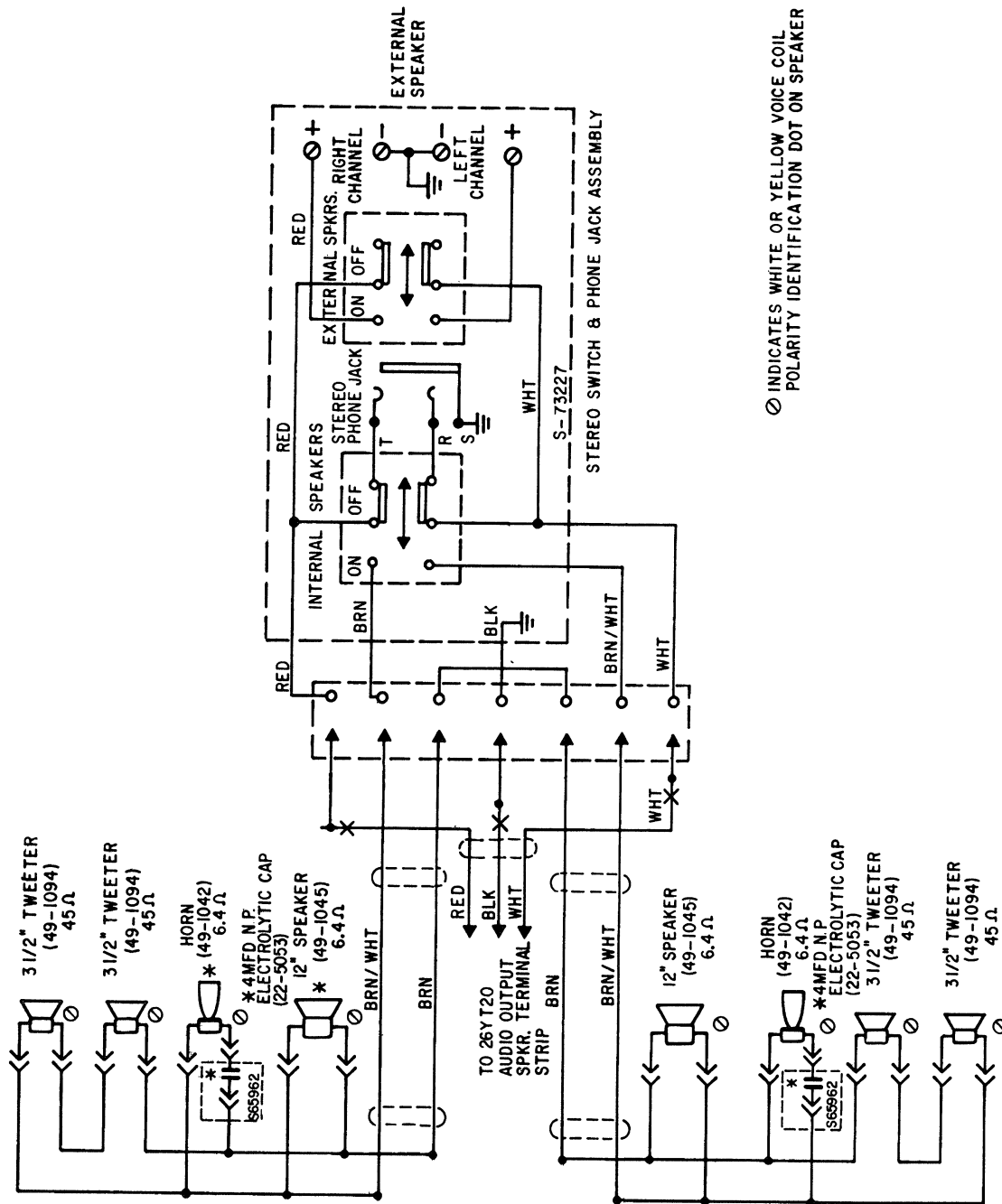


NOTE:
⊙ INDICATES WHITE OR YELLOW VOICE COIL
POLARITY IDENTIFICATION DOT ON SPEAKER

SPEAKER WIRING FOR MODELS
Y931, Y932, Y934, Y936,

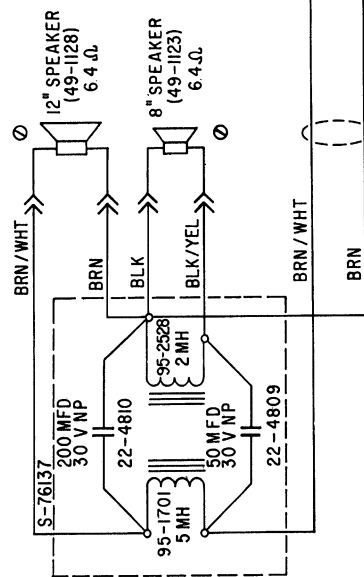


SPEAKER WIRING FOR MODELS
Y940, Y942, Y946

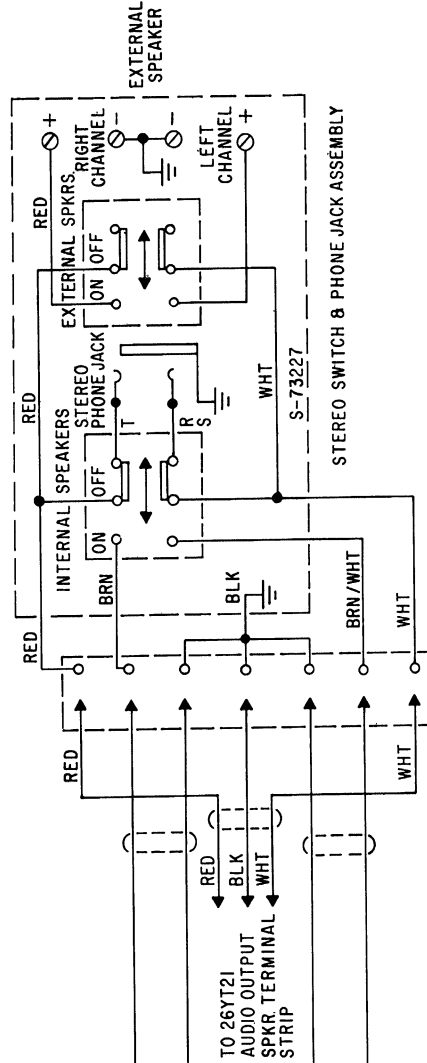


SPEAKER SCHEMATICS

SPEAKER WIRING FOR MODELS Y951

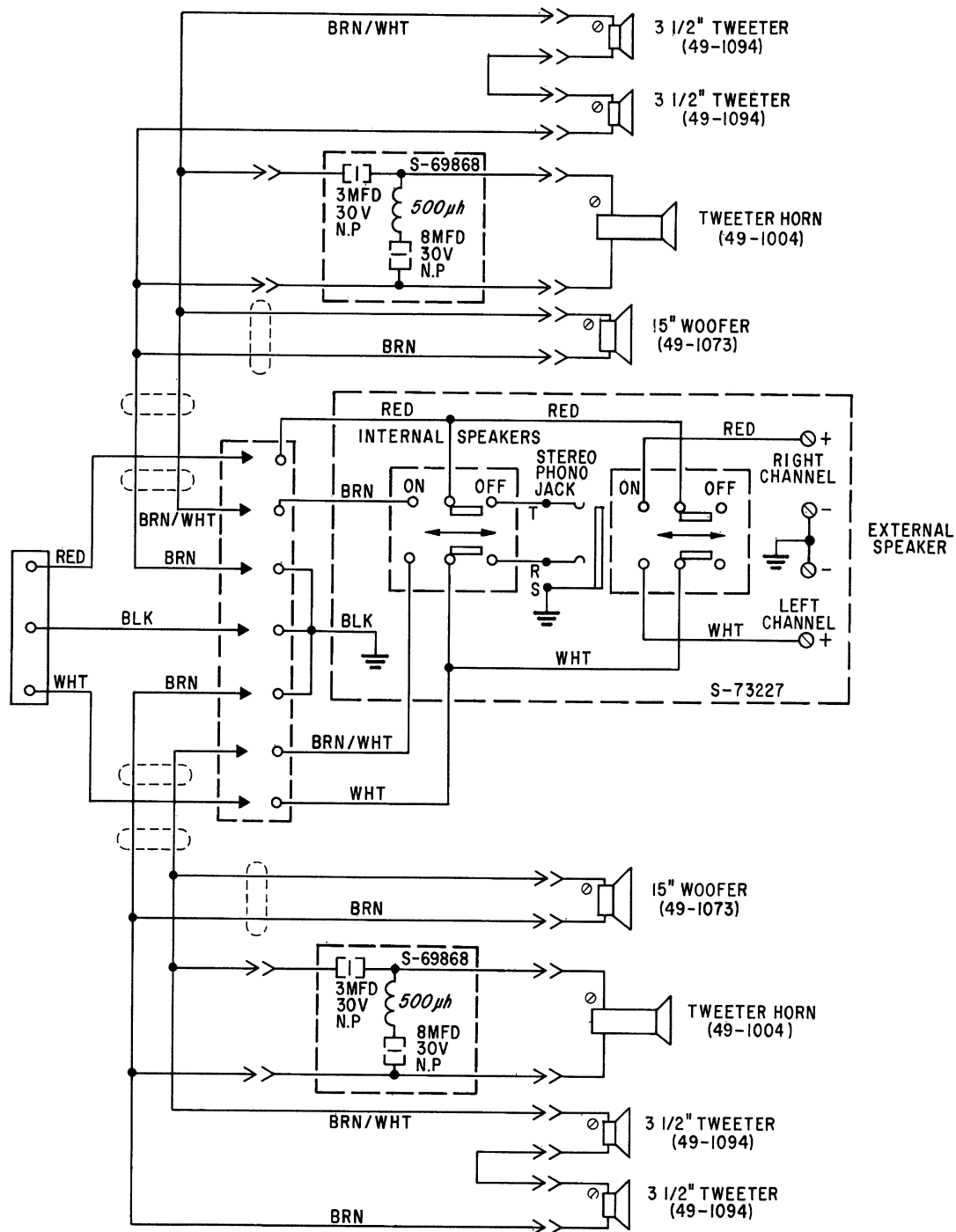


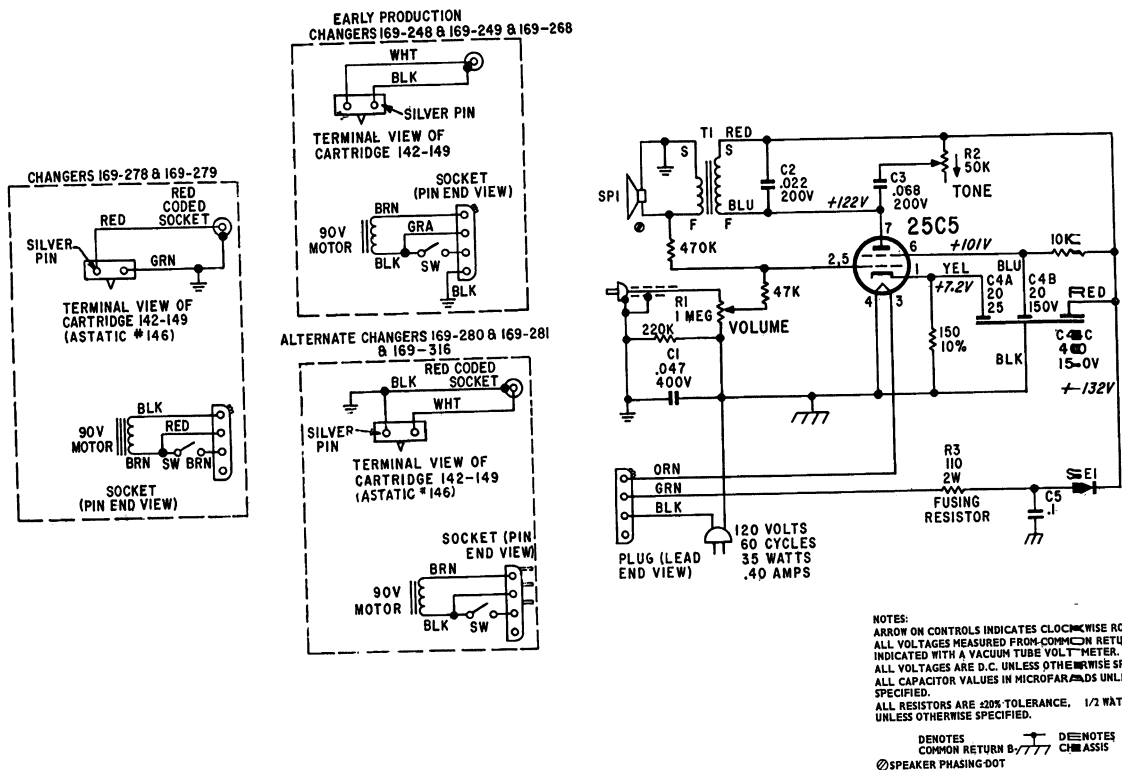
SPEAKER WIRING SCHEMATIC FOR STEREO CONSOLES USING THE 26YT21



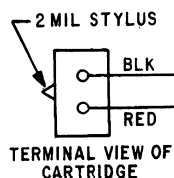
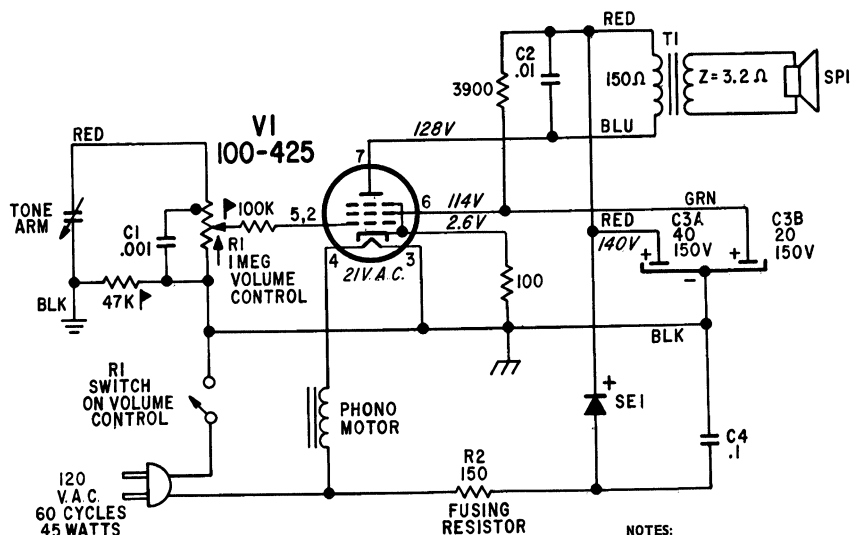
Ø INDICATES WHITE OR YELLOW VOICE COIL
POLARITY IDENTIFICATION DOT ON SPEAKER

SPEAKER HOOKUP FOR MODELS YT960, Y960, Y962, Y964,
Y966, Y968, BRACKET SOCKET & CABLE ASSEMBLY.



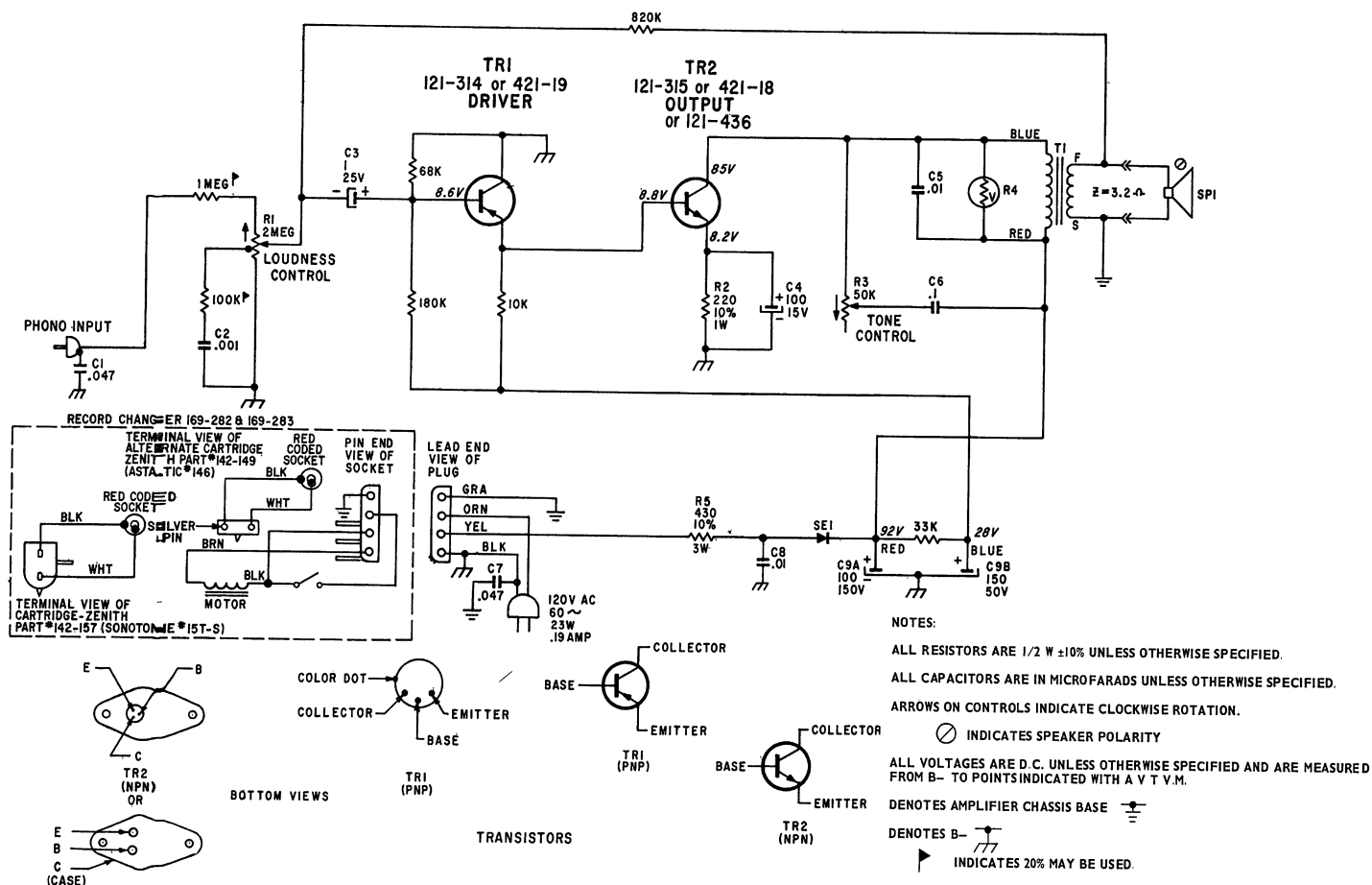


IN21 SCHEMATIC

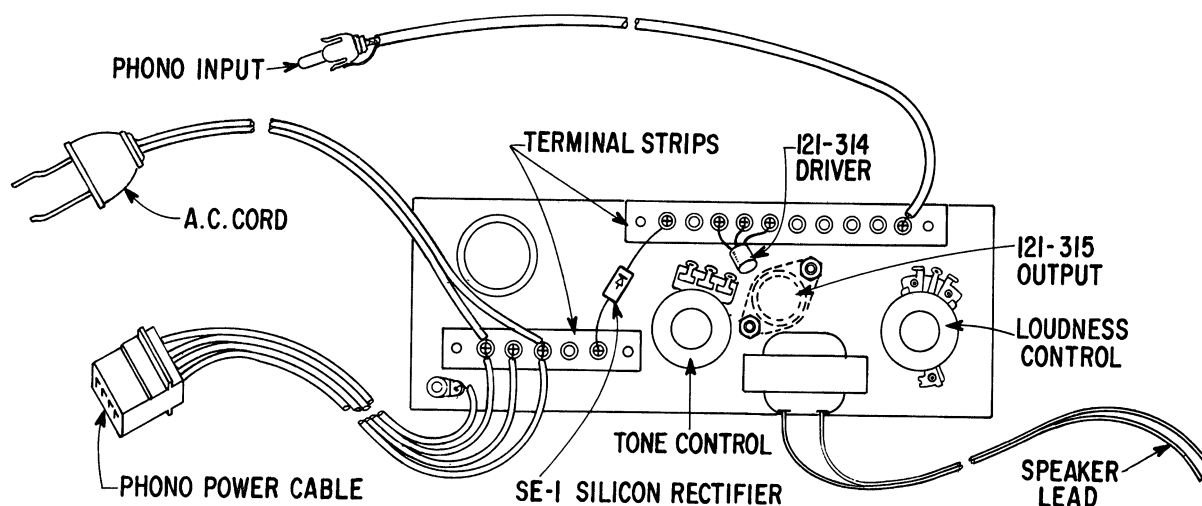


CARTRIDGE
142-161

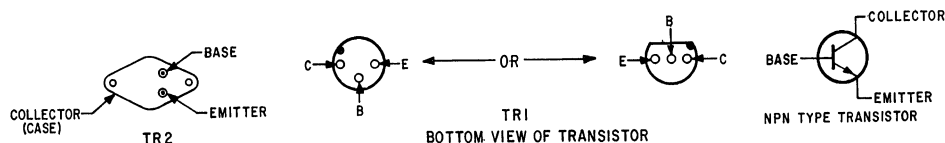
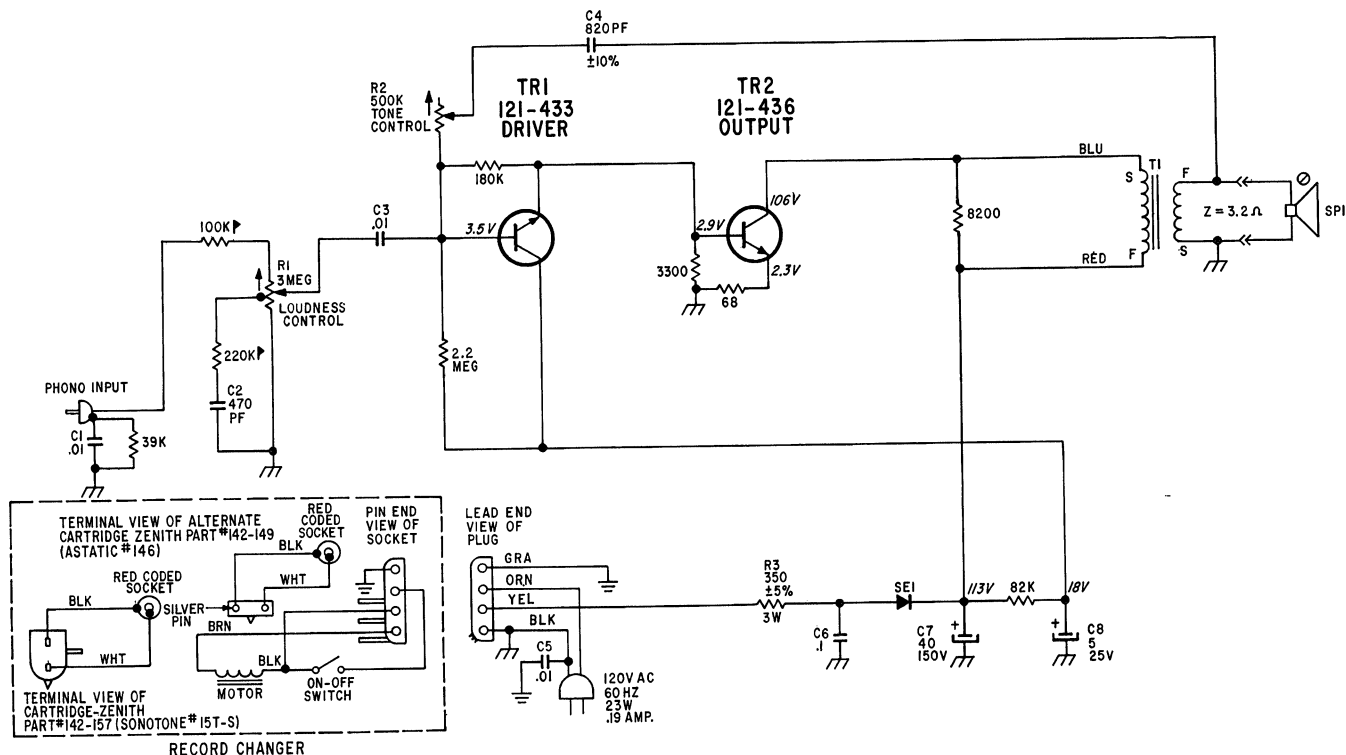
1Y20 SCHEMATIC



2NT20 SCHEMATIC



2NT20 CHASSIS LAYOUT



NOTES:

ALL RESISTORS ARE 1/2 W ±10% UNLESS OTHERWISE SPECIFIED.

ALL CAPACITORS ARE IN MICROFARADS UNLESS OTHERWISE SPECIFIED.

ARROWS ON CONTROLS INDICATE CLOCKWISE ROTATION.

⊙ INDICATES SPEAKER POLARITY

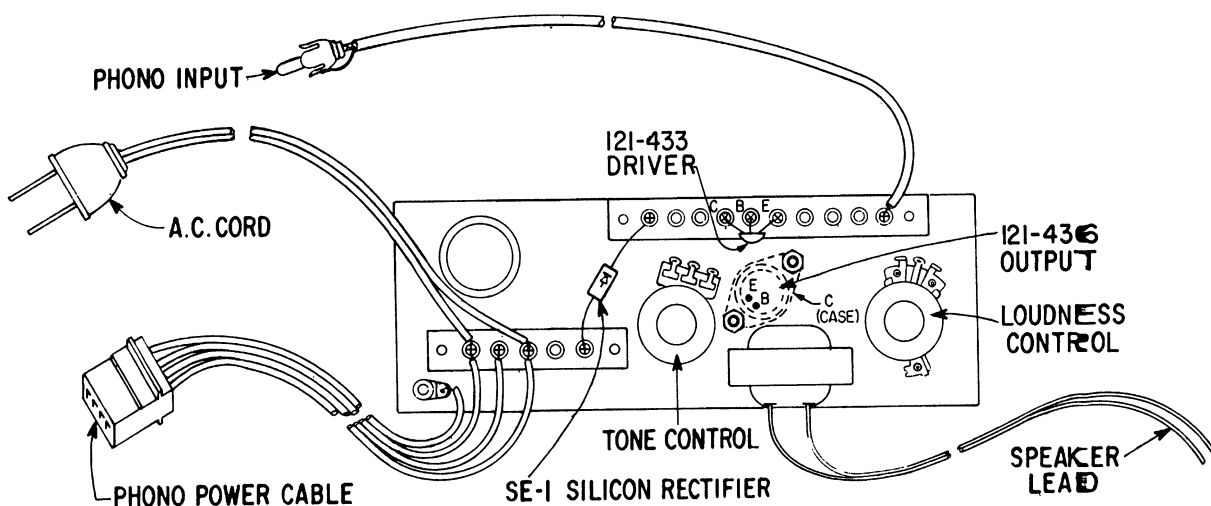
ALL VOLTAGES ARE D.C. UNLESS OTHERWISE SPECIFIED AND ARE MEASURED FROM B- TO ALL POINTS INDICATED WITH A T.V.M.

⊕ DENOTES AMPLIFIER CHASSIS BASE

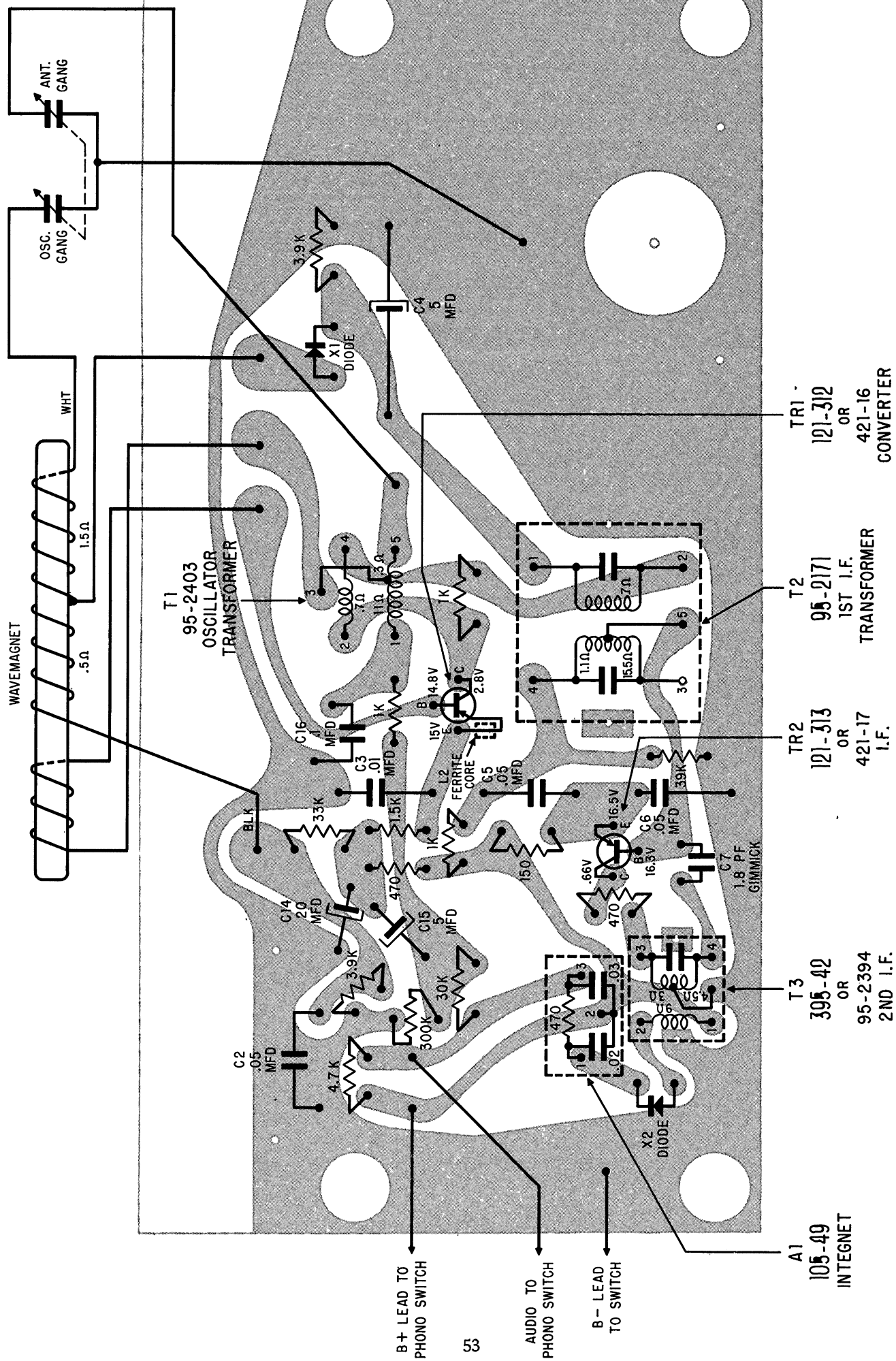
⊕ DENOTES B-

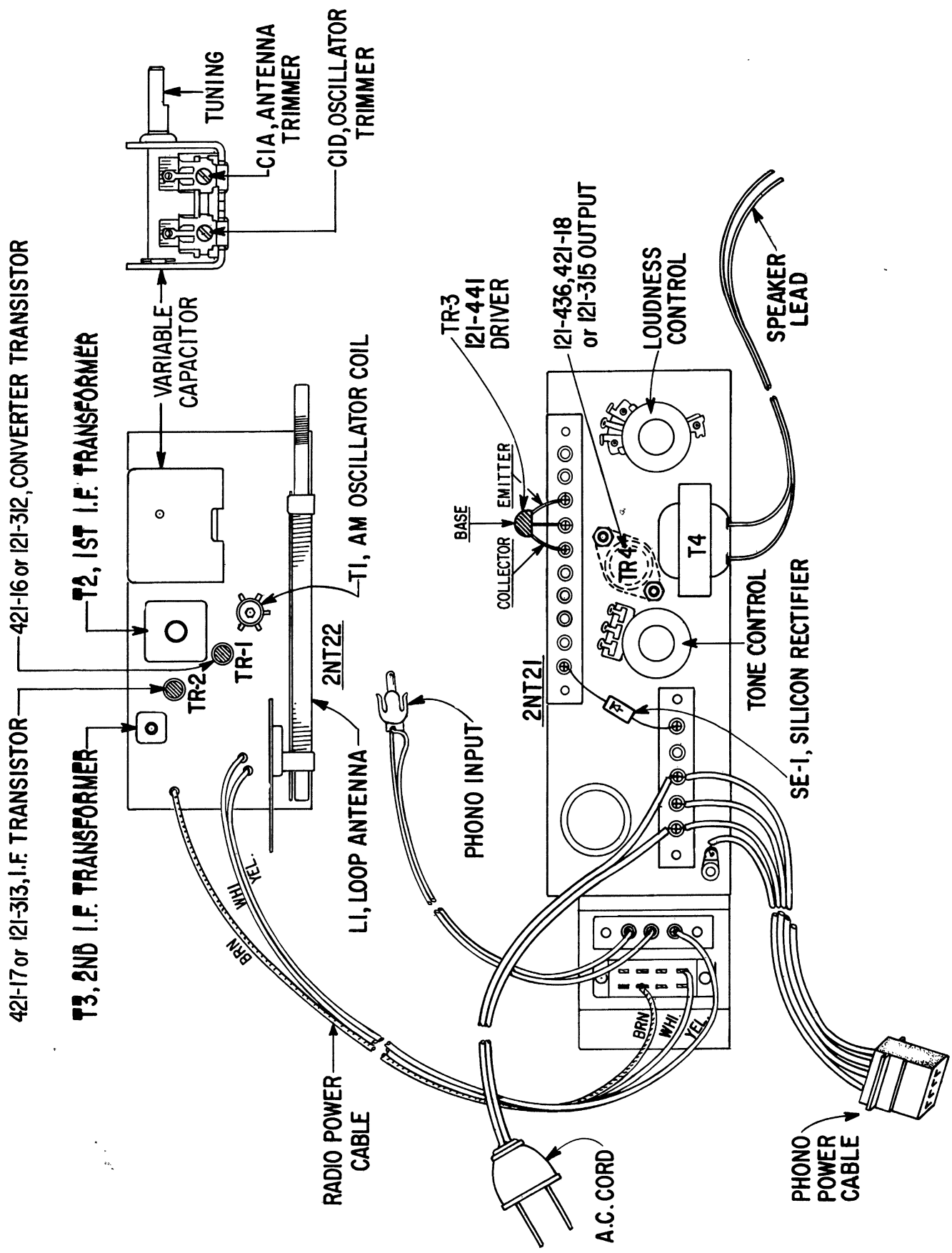
⊕ INDICATES 20% MAY BE USED.

2NT20Z SCHEMATIC

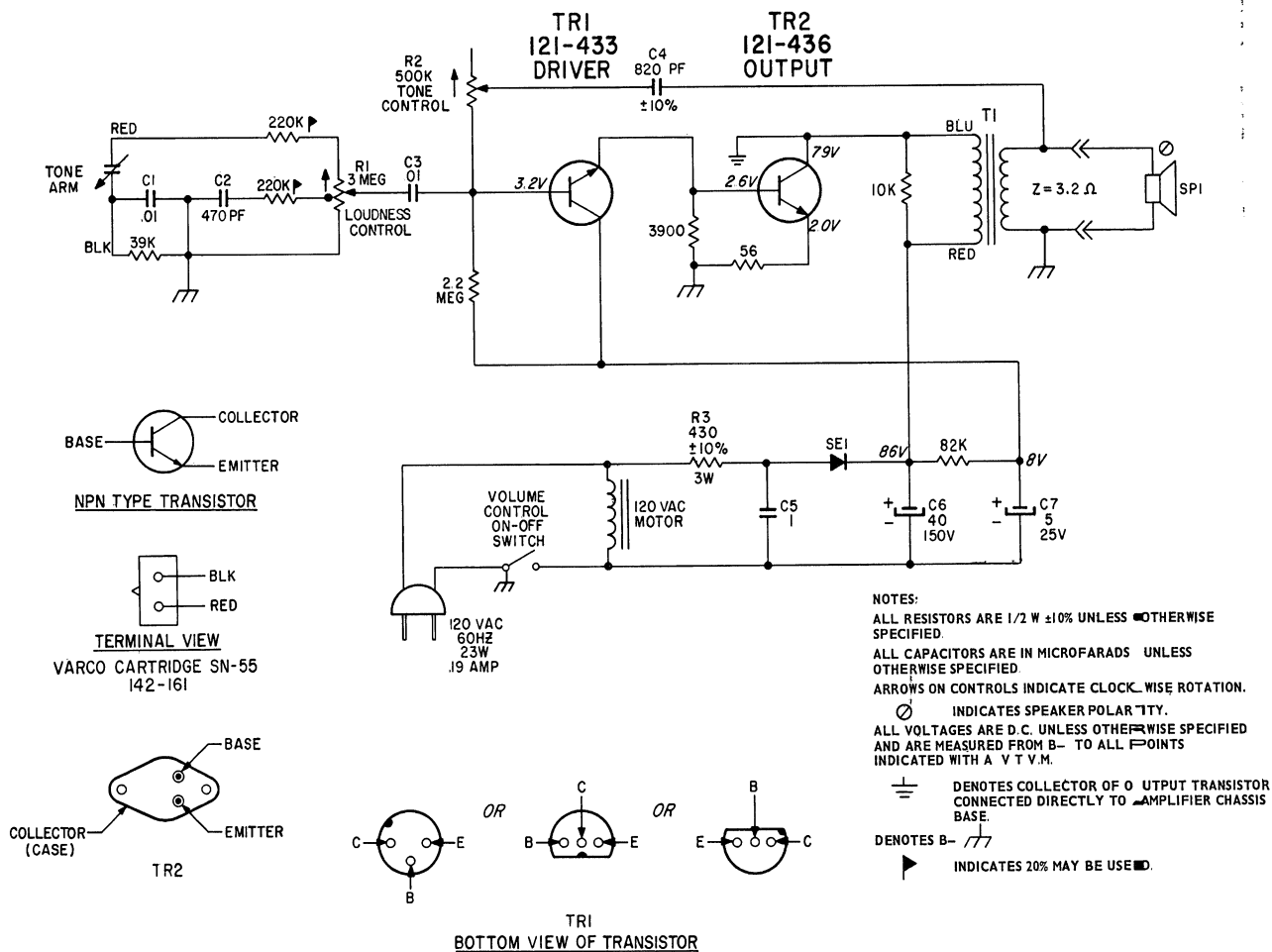


2NT20Z CHASSIS LAYOUT

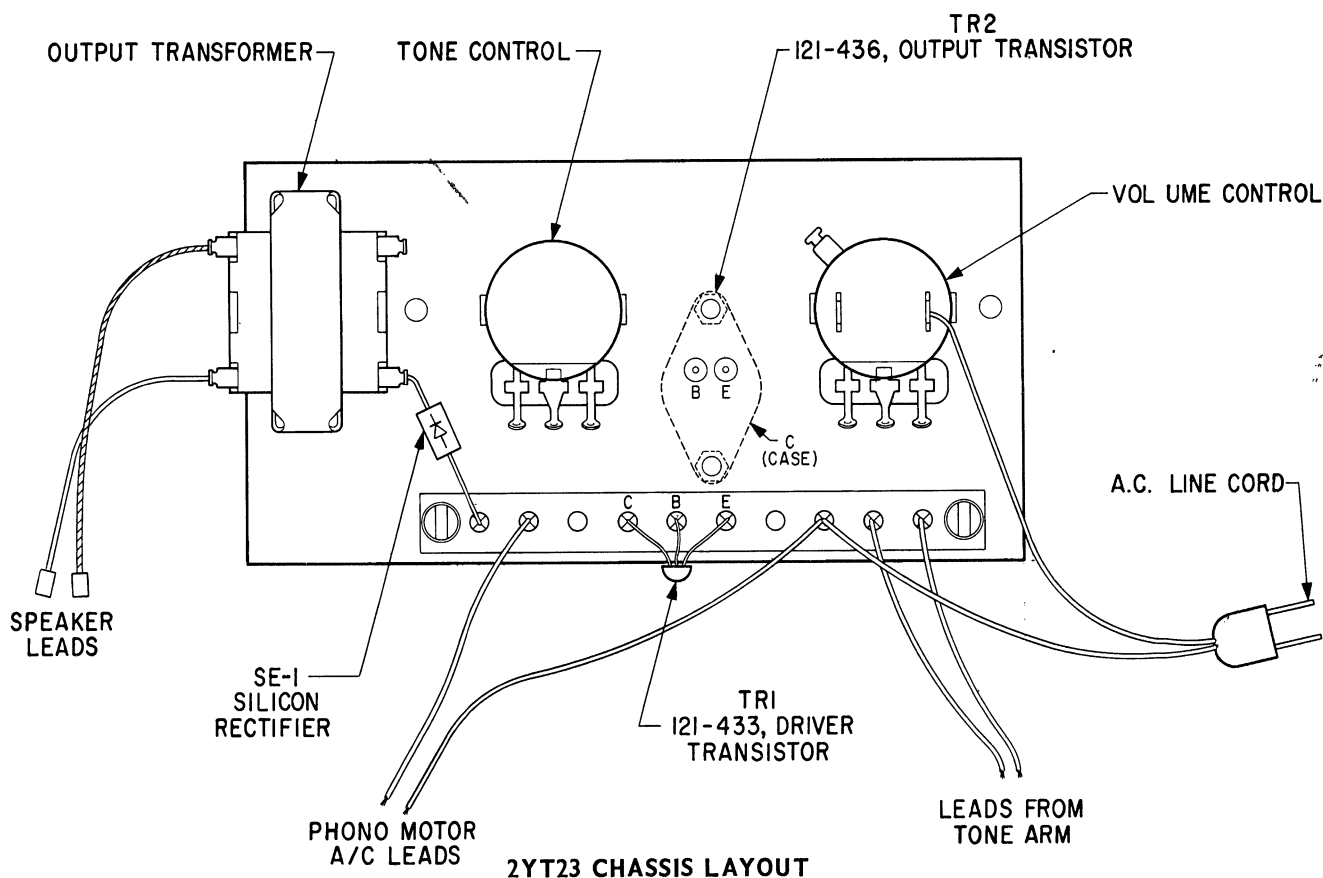


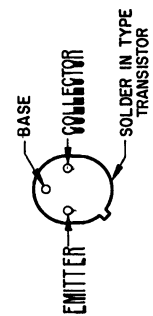
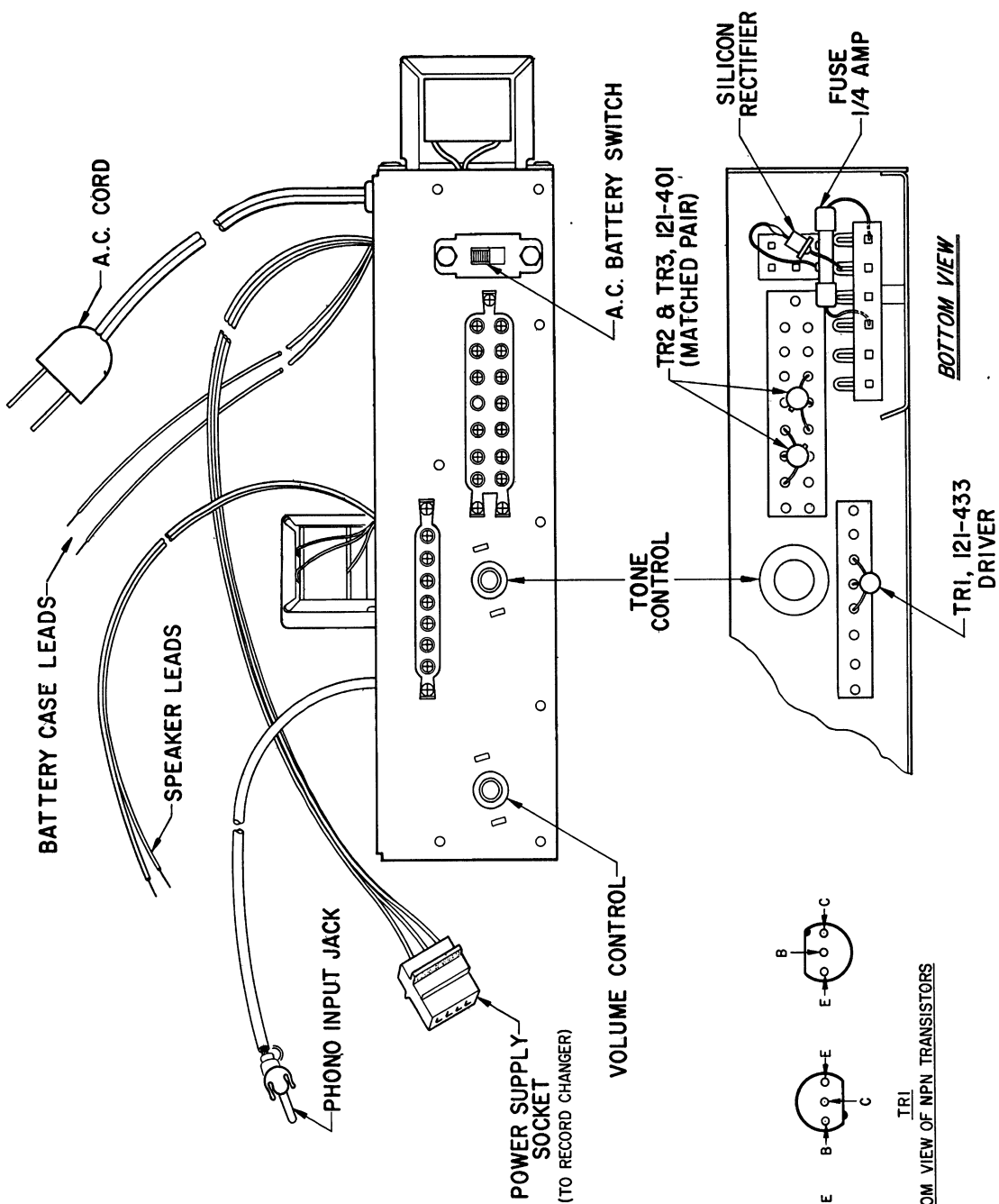


2NT21 & 2NT22 CHASSIS LAYOUT



2YT23 SCHEMATIC



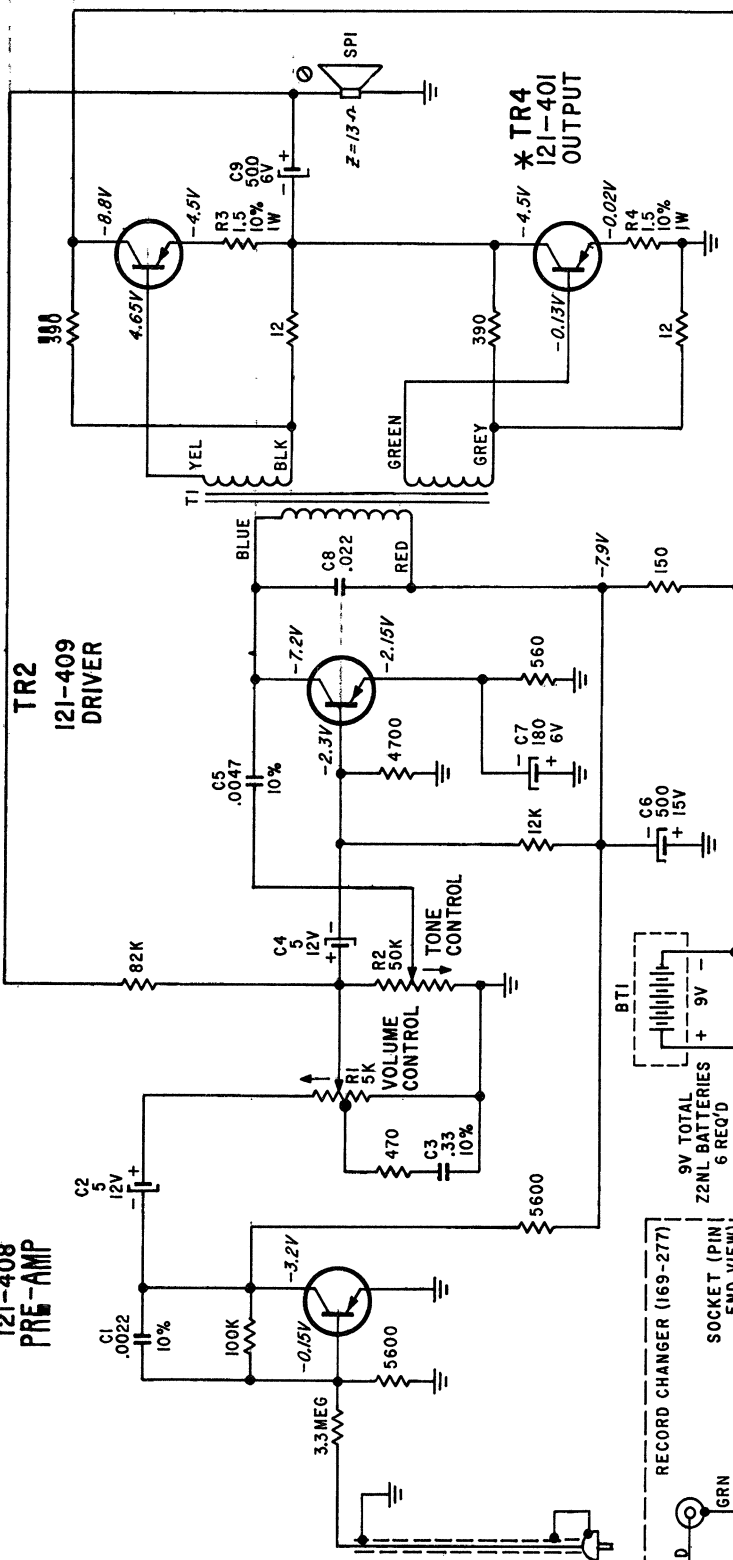


TR2 & TR3
PNP TRANSISTORS

3YT22 CHASSIS LAYOUT

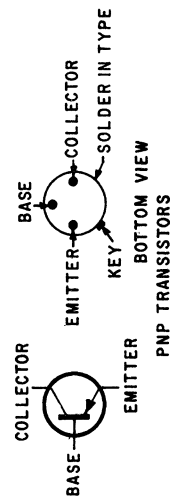
* TR3 & TR4 ARE
121-401
OUTPUT
MATCHED PAIR.

TRI
121-408
PRE-AMP



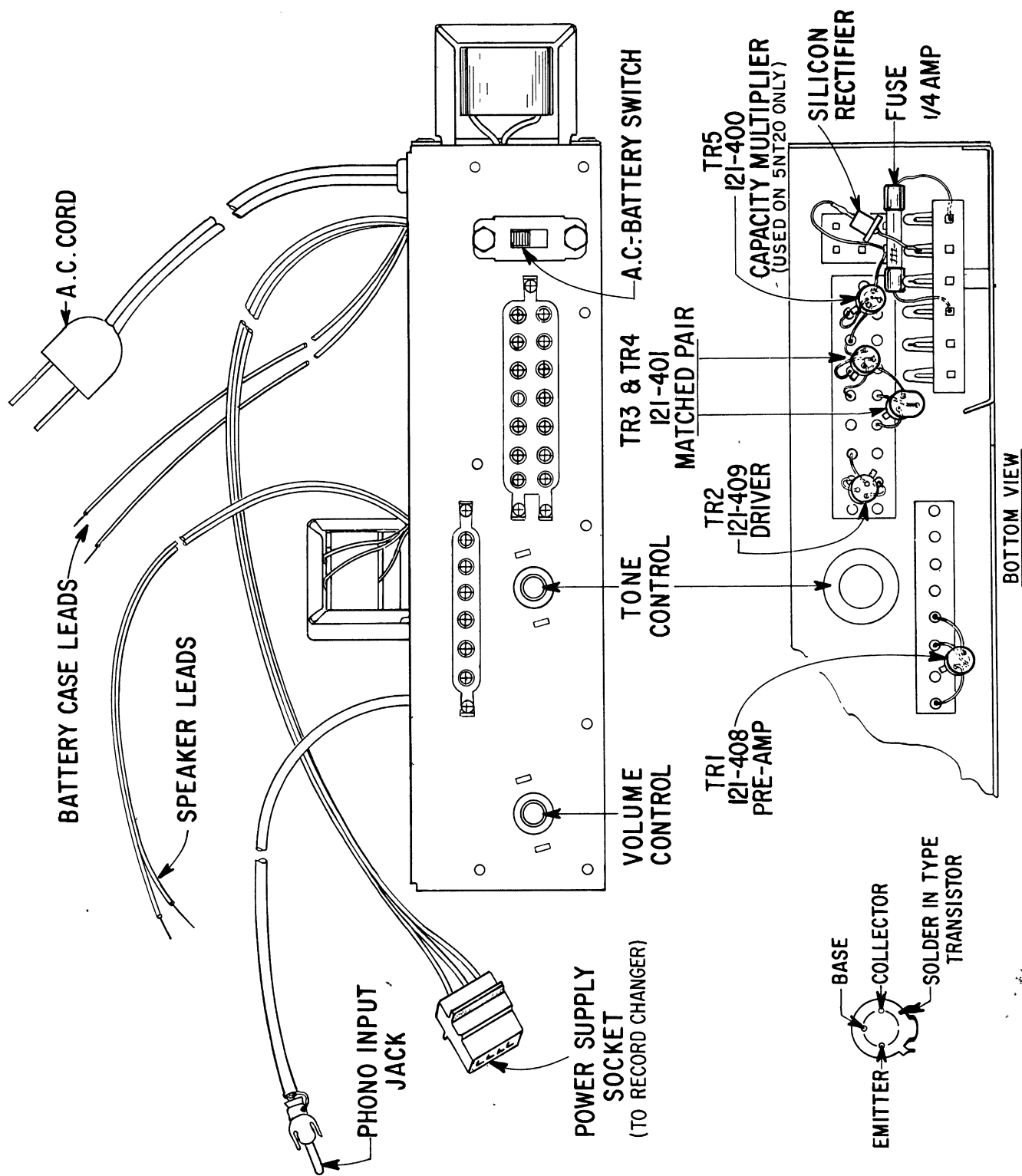
NOTES:

1. ALL CAPACITORS ARE MICROFARADS, 20%, UNLESS OTHERWISE INDICATED.
2. ALL RESISTORS ARE IN OHMS, 10%, 1/2 WATT, CARBON, UNLESS OTHERWISE INDICATED.
3. ALL VOLTAGES ARE DC, MEASURED FROM POINTS INDICATED TO COMMON RETURN, USING A VTVM WITH 11 MEGOHMS INPUT RESISTANCE. NO SIGNAL INPUT.
4. ARROWS ON CONTROLS INDICATE CLOCKWISE ROTATION.
5. INDICATES CHASSIS GROUND.
6. INDICATES VOICE COIL POLARITY.



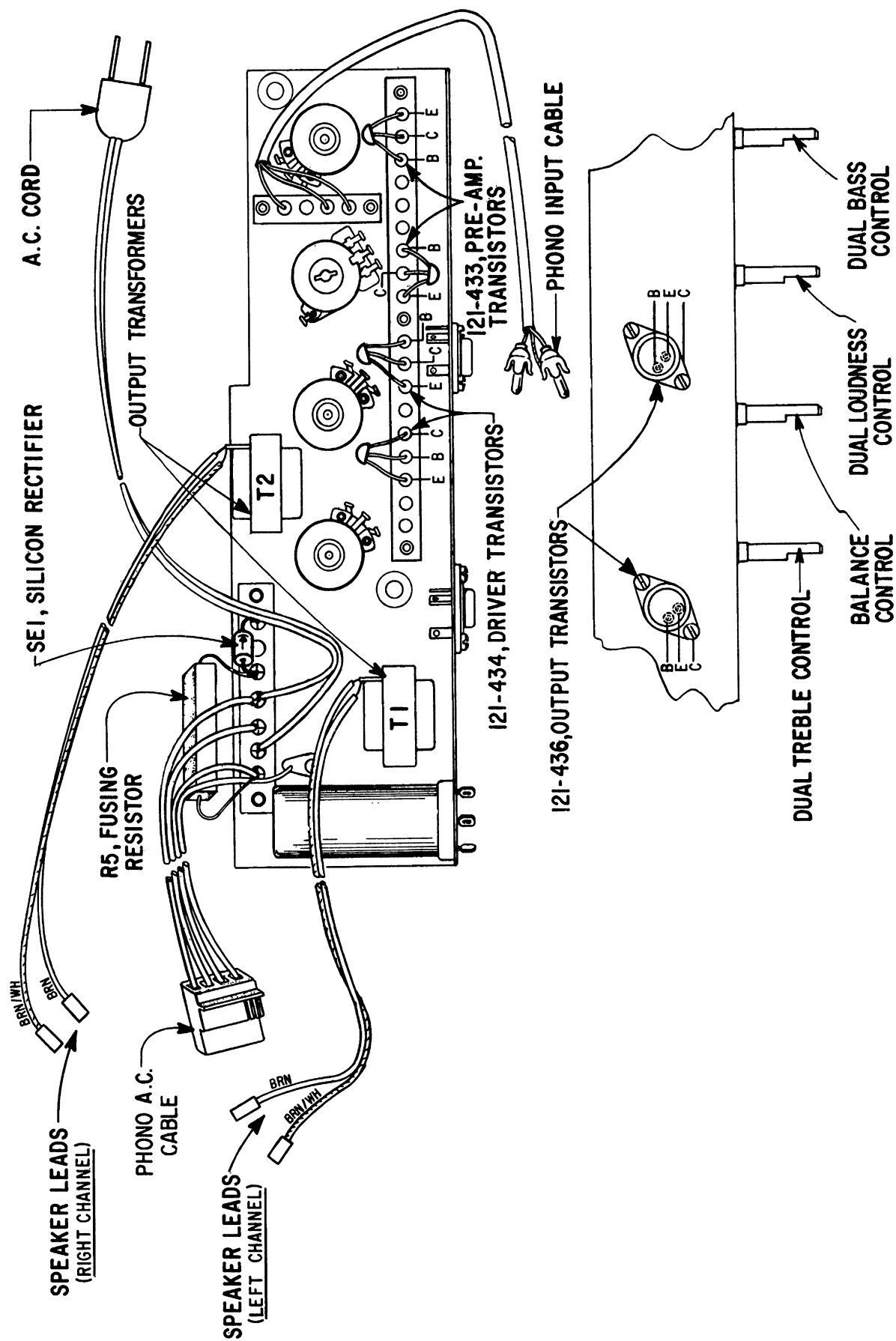
CHASSIS 5NT20
(USED ON EARLY MODELS)

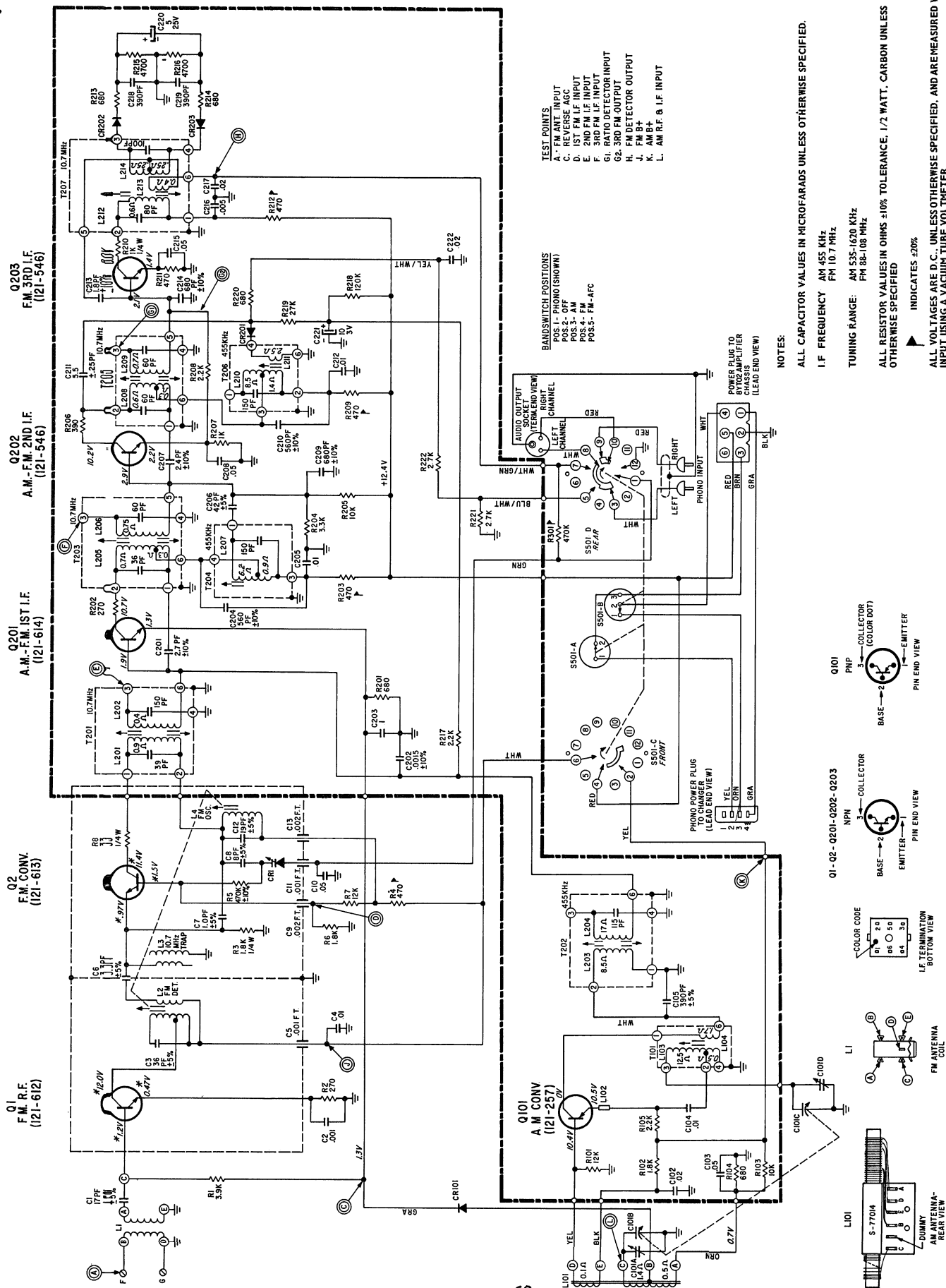
4NT22 SCHEMATIC



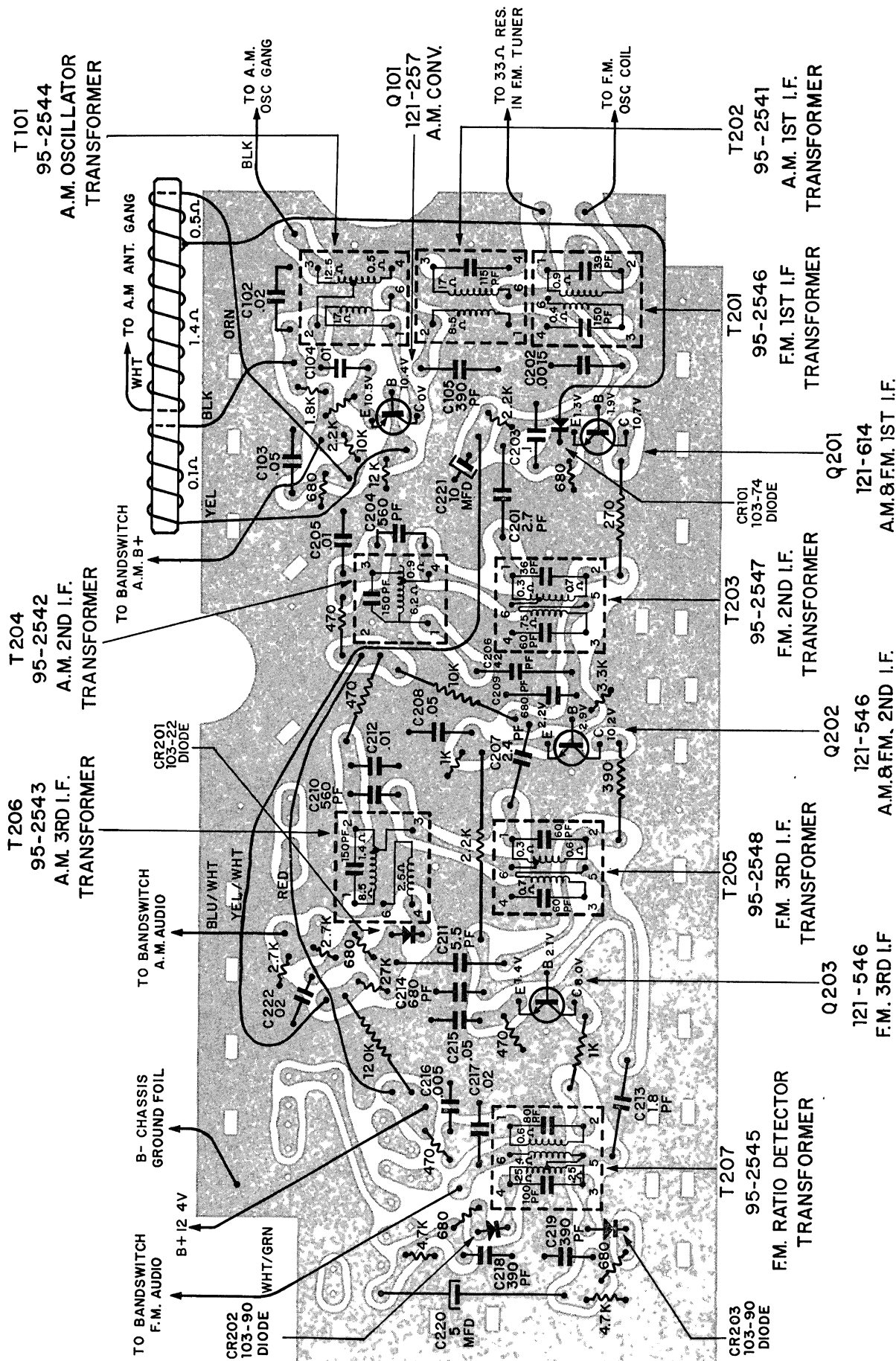
BOTTOM VIEW

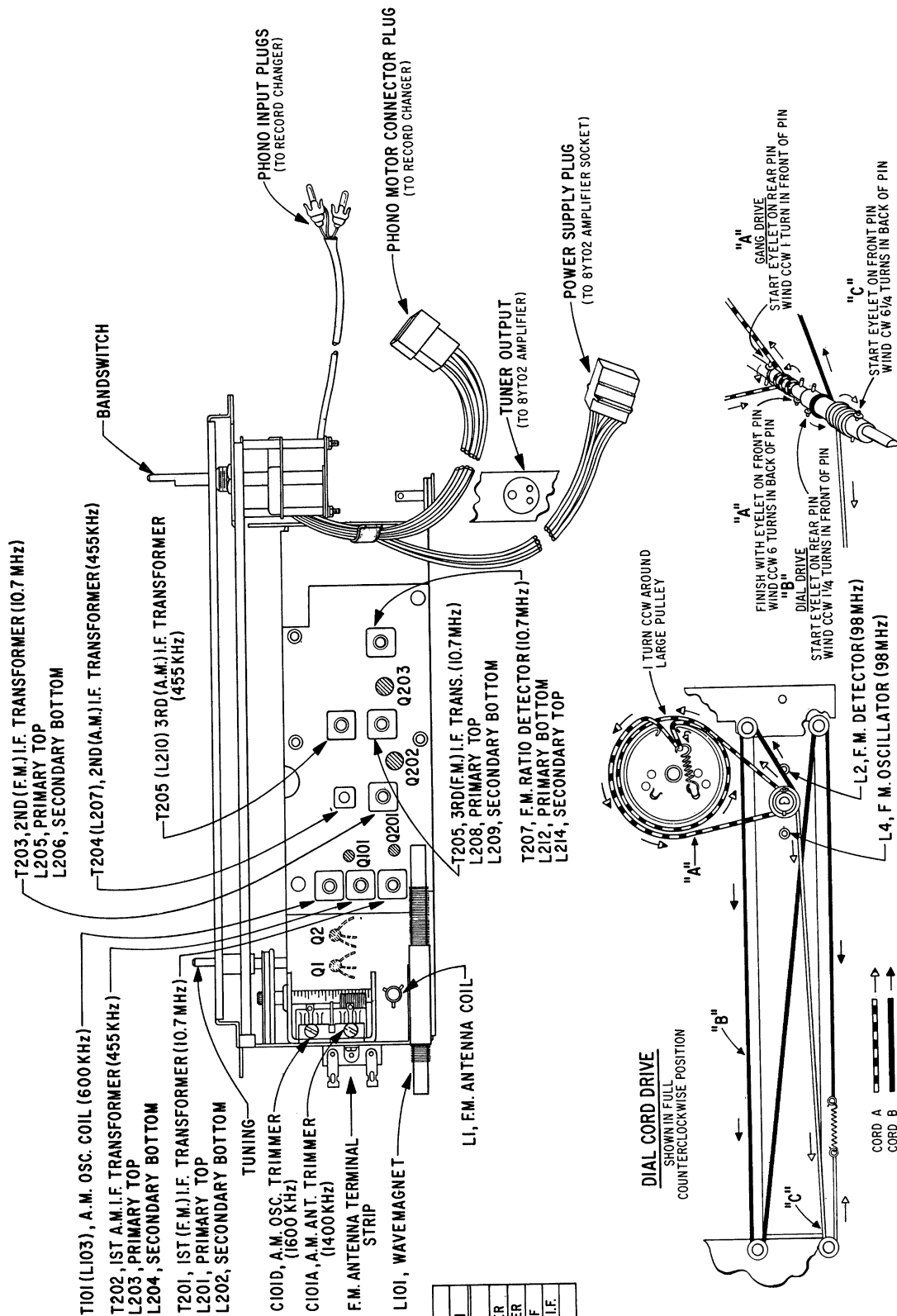
4NT22 CHASSIS LAYOUT





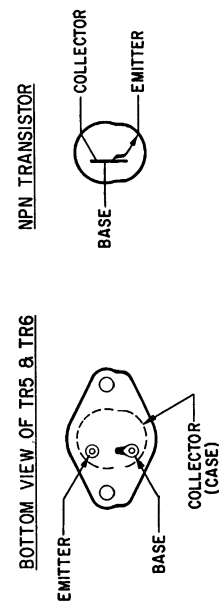
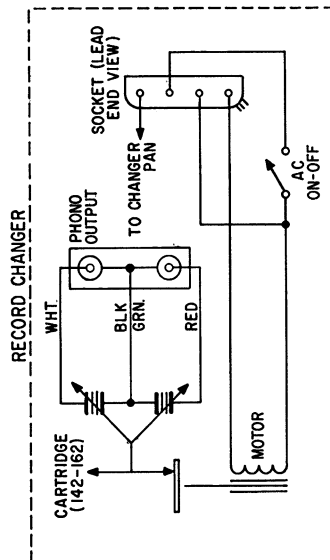
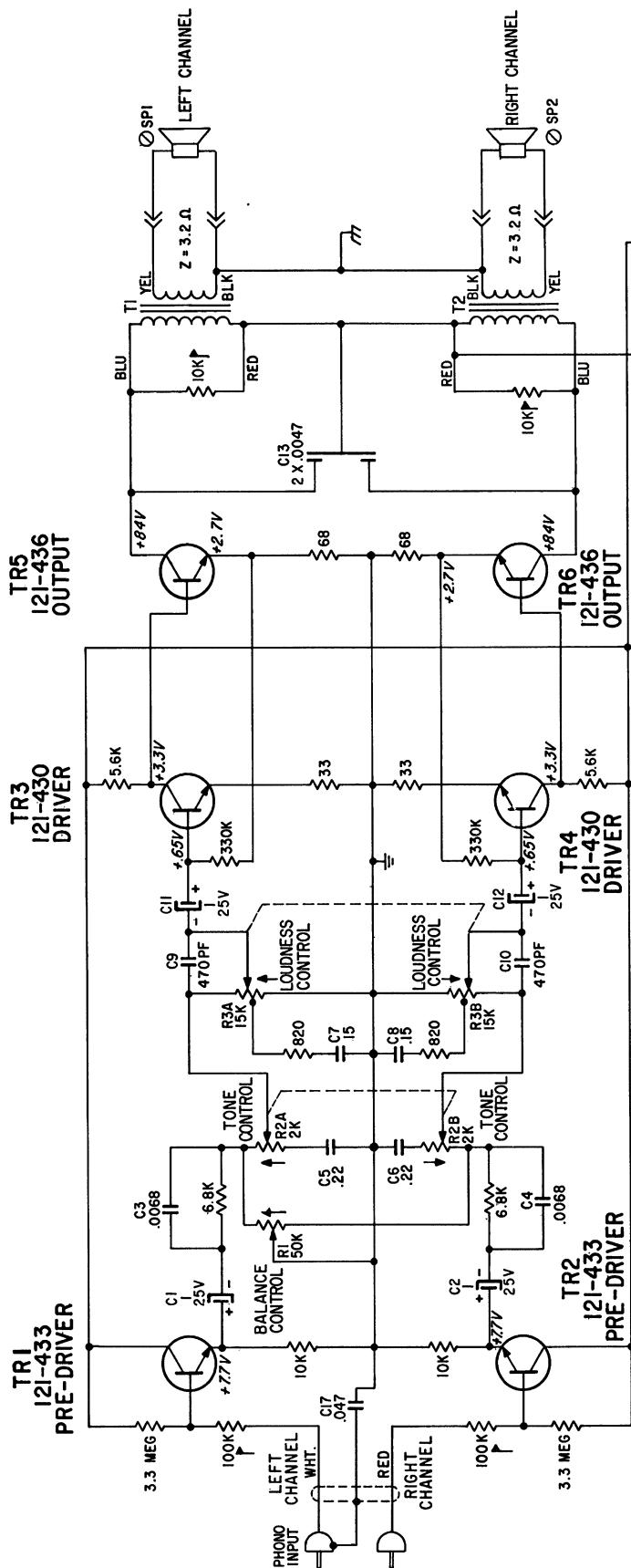
6YT01 SCHEMATIC



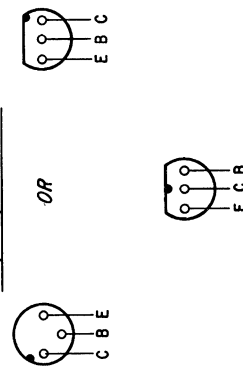


TRANSISTORS	
No.	DESCRIPTION
Q1	121-612 F.M.-R.F.
Q2	121-613 F.M. CONVERTER
Q101	121-257 A.M. CONVERTER
Q201	121-614 A.M.-F.M. 1ST I.F.
Q202	121-546 A.M.-F.M. 2ND I.F.
Q203	121-546 F.M. 3RD I.F.

6YT01 CHASSIS LAYOUT

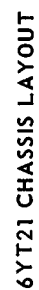


BOTTOM VIEW OF TRANSISTORS
TR1, TR2, TR3 & TR4

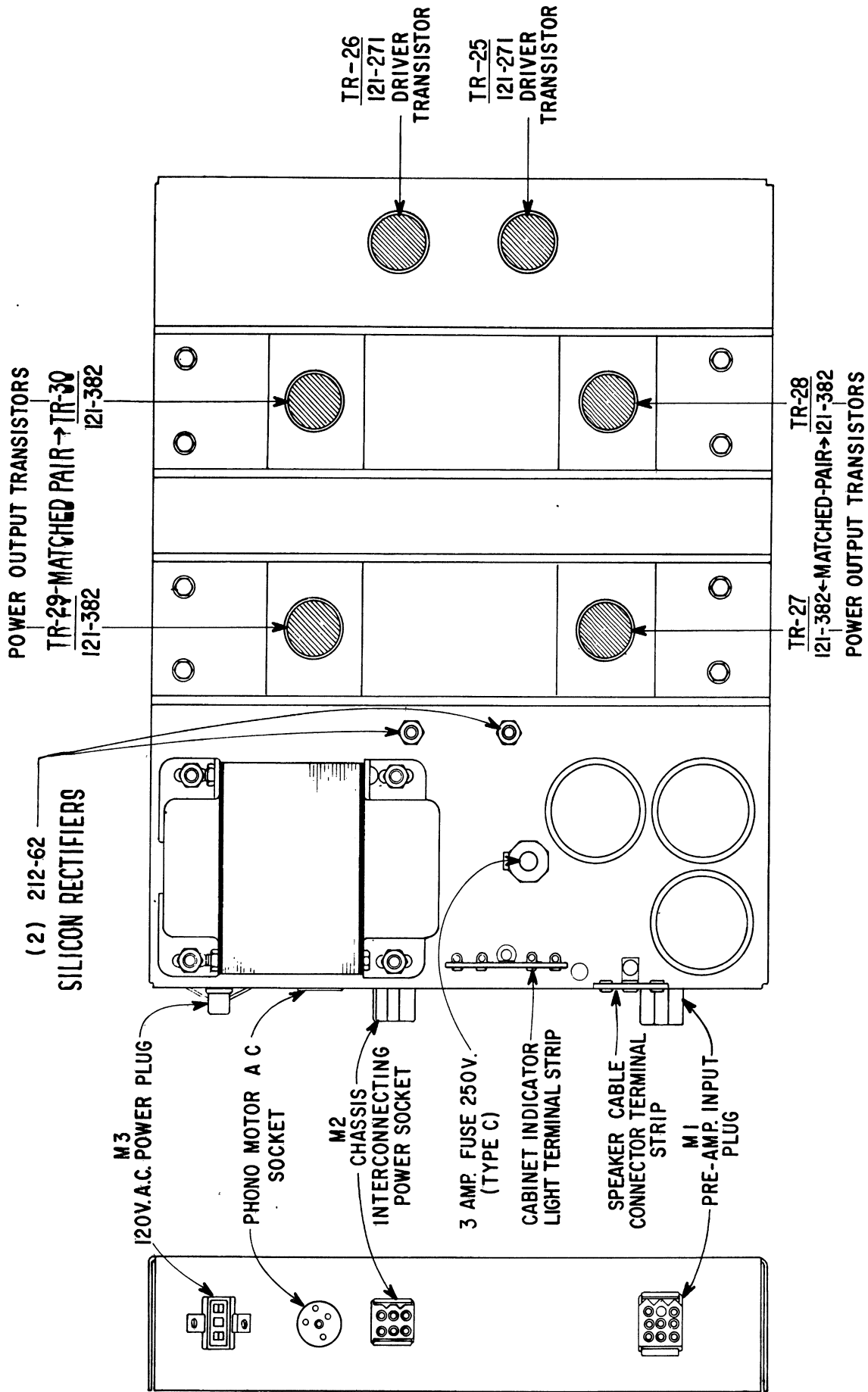


NOTES:
ALL RESISTORS ARE 1/2W ± 10% UNLESS OTHERWISE SPECIFIED.
ALL CAPACITOR VALUES IN MICROFARADS UNLESS OTHERWISE SPECIFIED.
↑ DENOTES MAXIMUM CLOCKWISE ROTATION.
ALL VOLTAGES ARE D.C. UNLESS OTHERWISE SPECIFIED AND ARE MEASURED FROM CHASSIS GROUND TO POINTS INDICATED WITH A V.T.V.M.
⊕ DENOTES CHASSIS
⊖ INDICATES SPEAKER POLARITY
⏏ DENOTES FLOATING GROUND
⏏ DENOTES 20%

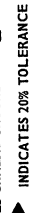
6YT21 SCHEMATIC







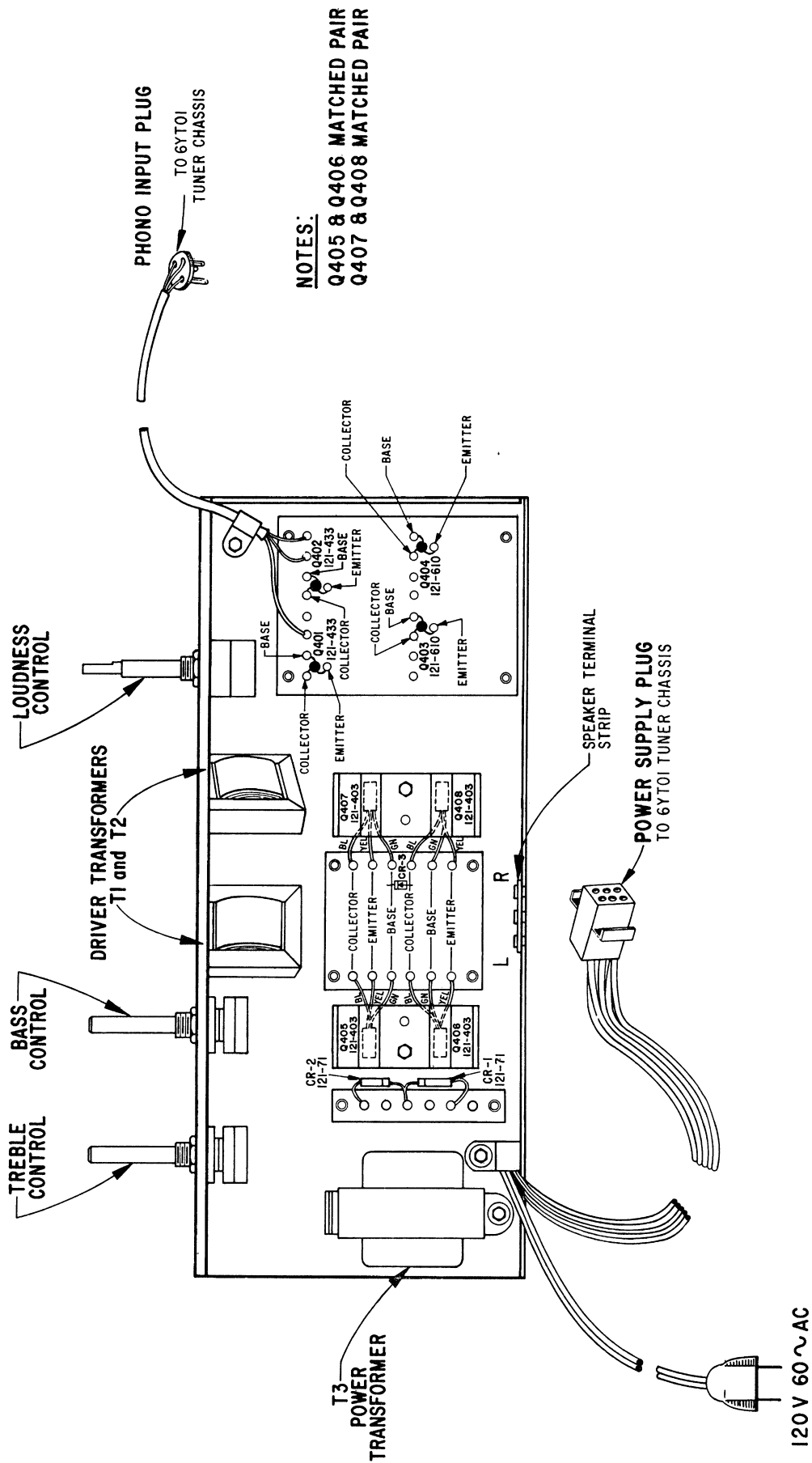
6YT24 CHASSIS LAYOUT



DENOTES CHASSIS GROUND:

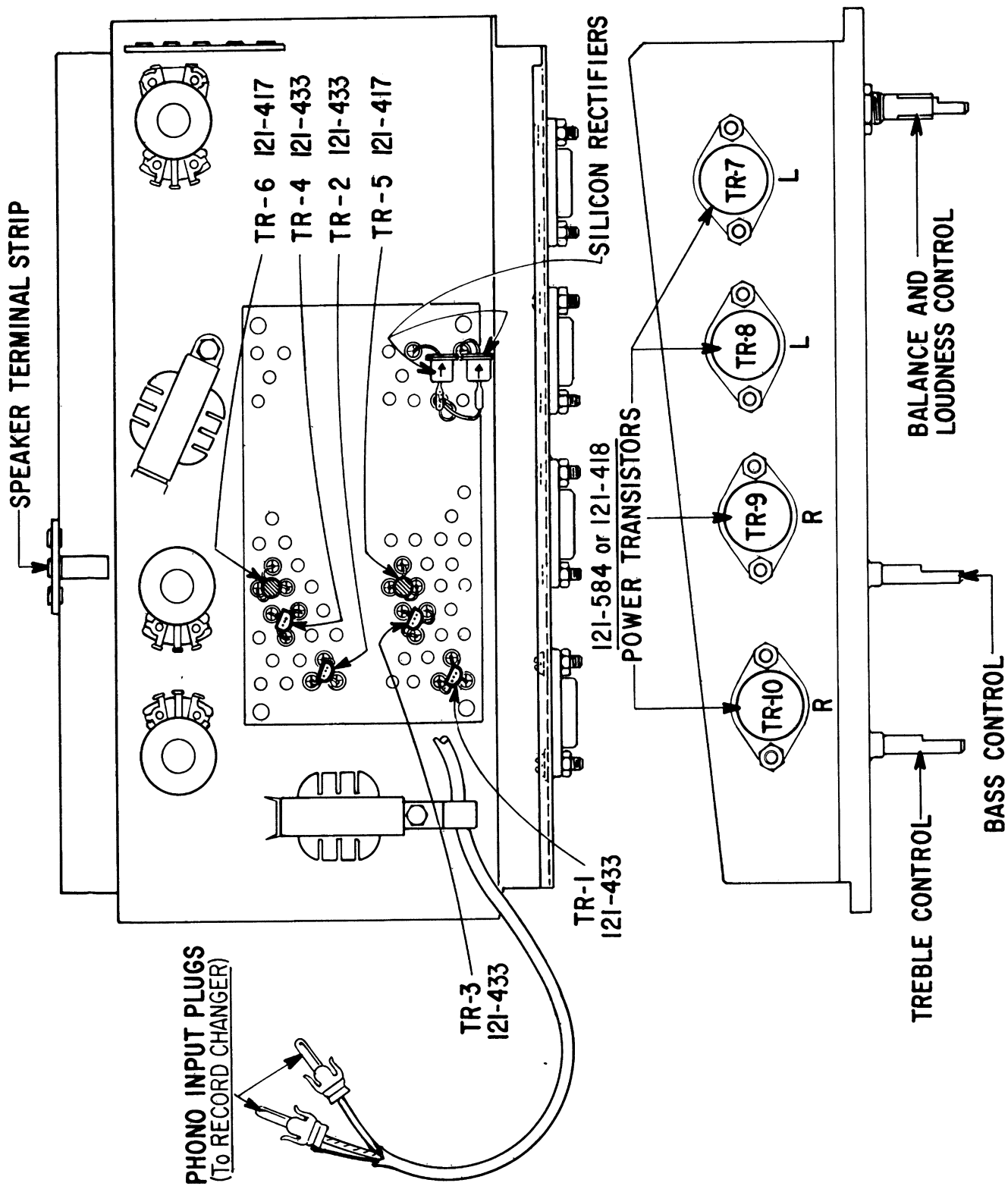
BOTTOM VIEW OF TRANSISTORS

69

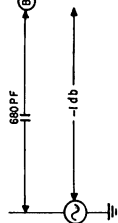


NOTES:
 Q405 & Q406 MATCHED PAIR
 Q407 & Q408 MATCHED PAIR

8YT02 CHASSIS LAYOUT

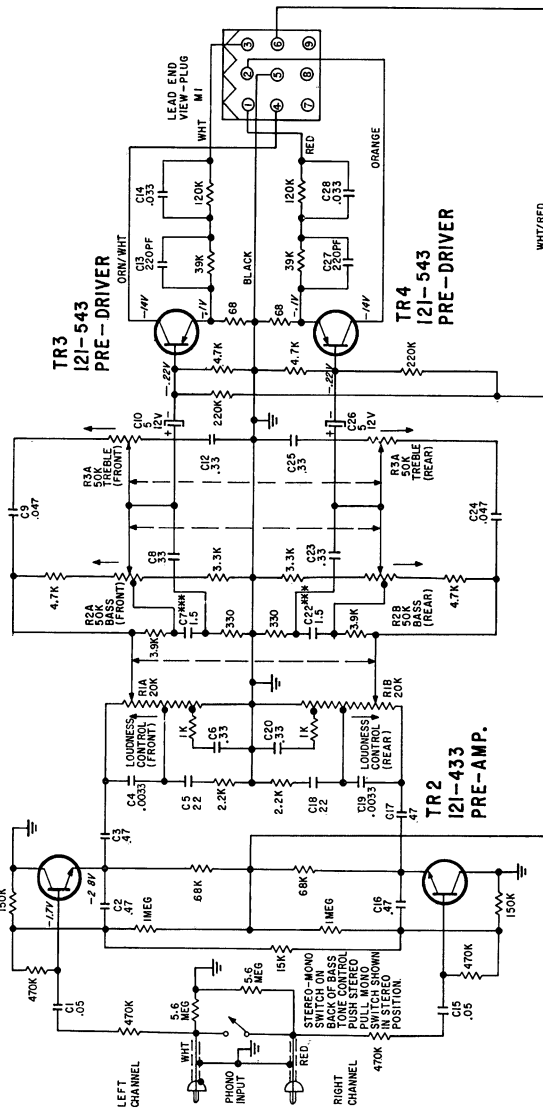


10NT01 CHASSIS LAYOUT

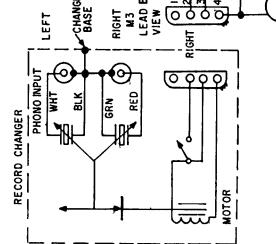
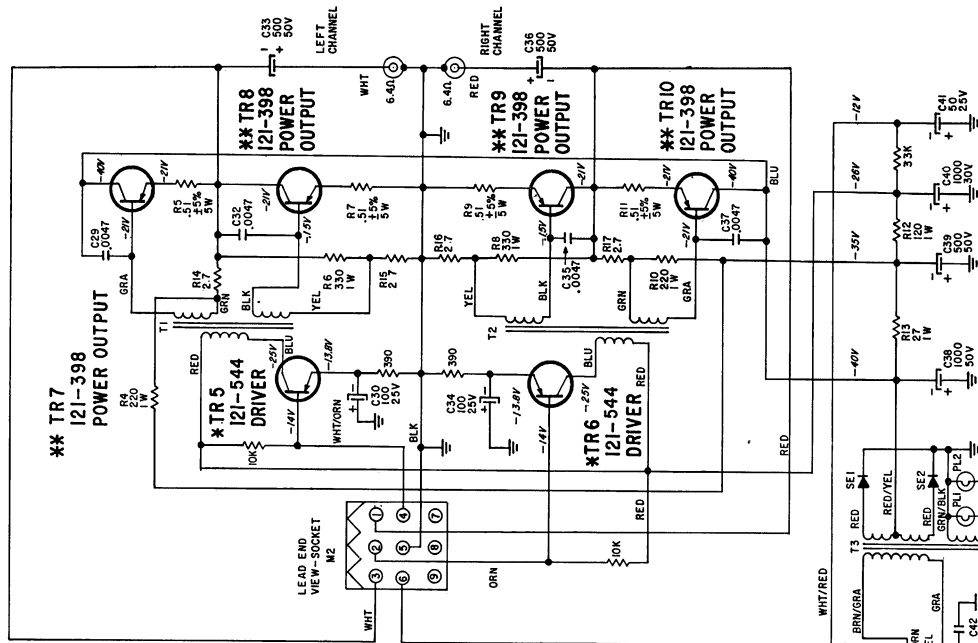


TR1
121-433
PRE-AMP.

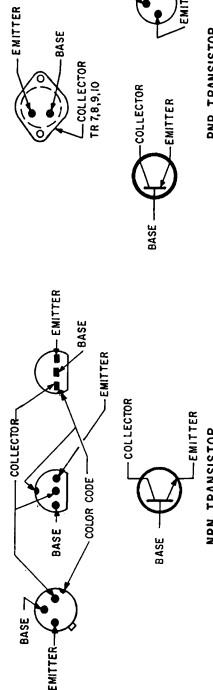
S-74968
PRE-AMP. CHASSIS



S-75003
POWER AMPLIFIER
CHASSIS



PIN VIEWS OF TRANSISTORS



NOTES:

ALL RESISTORS ARE 1/2 WATT, CARBON, $\pm 10\%$ TOLERANCE UNLESS OTHERWISE SPECIFIED.

ALL CAPACITORS ARE IN MICROFARADS UNLESS OTHERWISE SPECIFIED.

ALL VOLTAGES ARE D.C. UNLESS OTHERWISE SPECIFIED, MEASURED FROM CHASSIS WITH NO SIGNAL USING A VTVM.

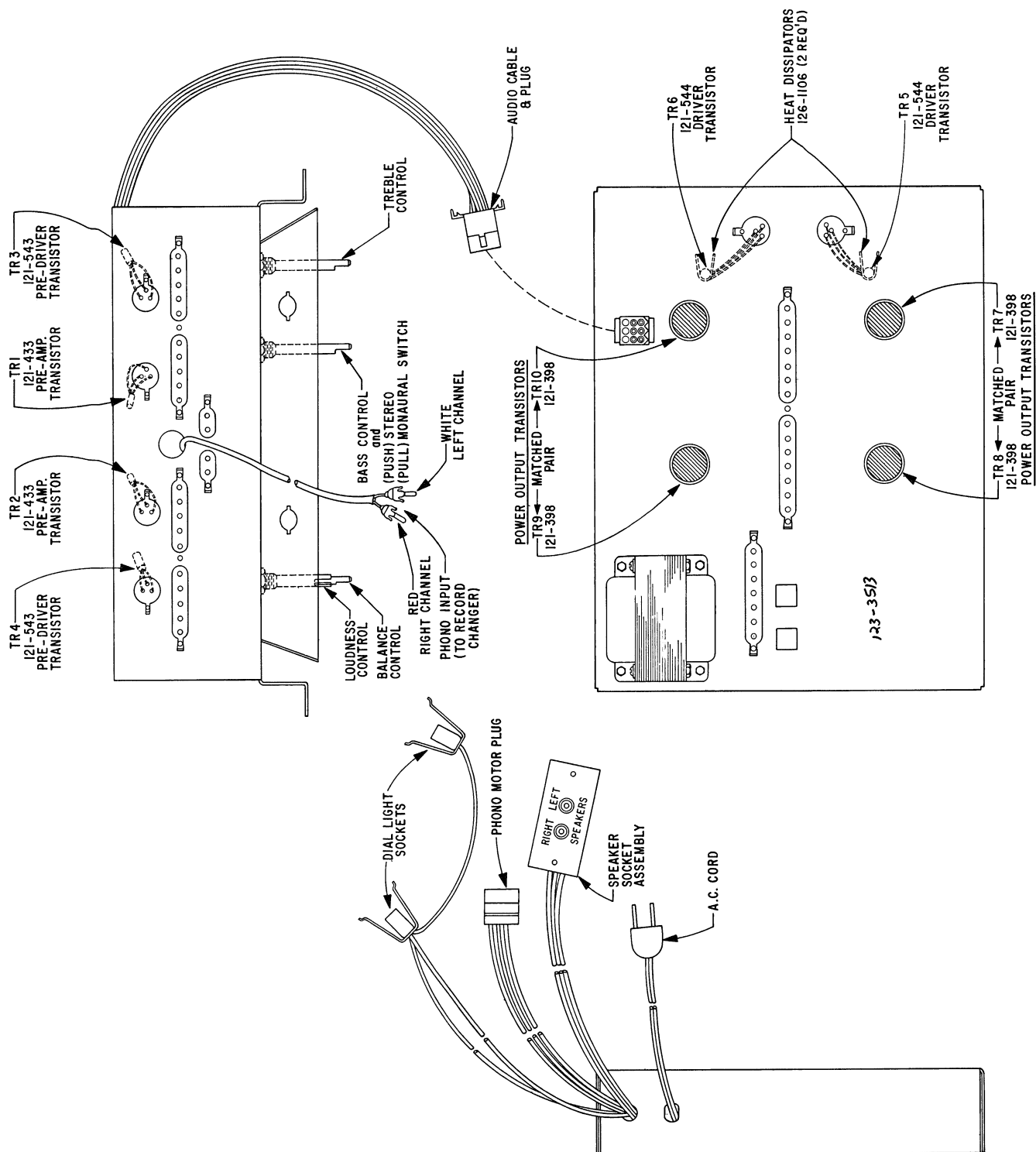
• TR5 8 & 4

• TR5 8 & 4 MUST USE HEAT DISSIPATOR (ZENITH PART NO. 126-1106).

• ALL 121-398 TRANSISTORS IN ANY ONE CHASSIS MUST HAVE THE SAME COLOR CODE.

• INDICATES NON-POLARIZED ELECTROLYTIC CAPACITOR.

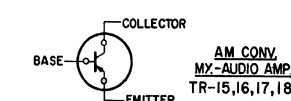
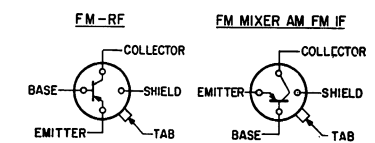
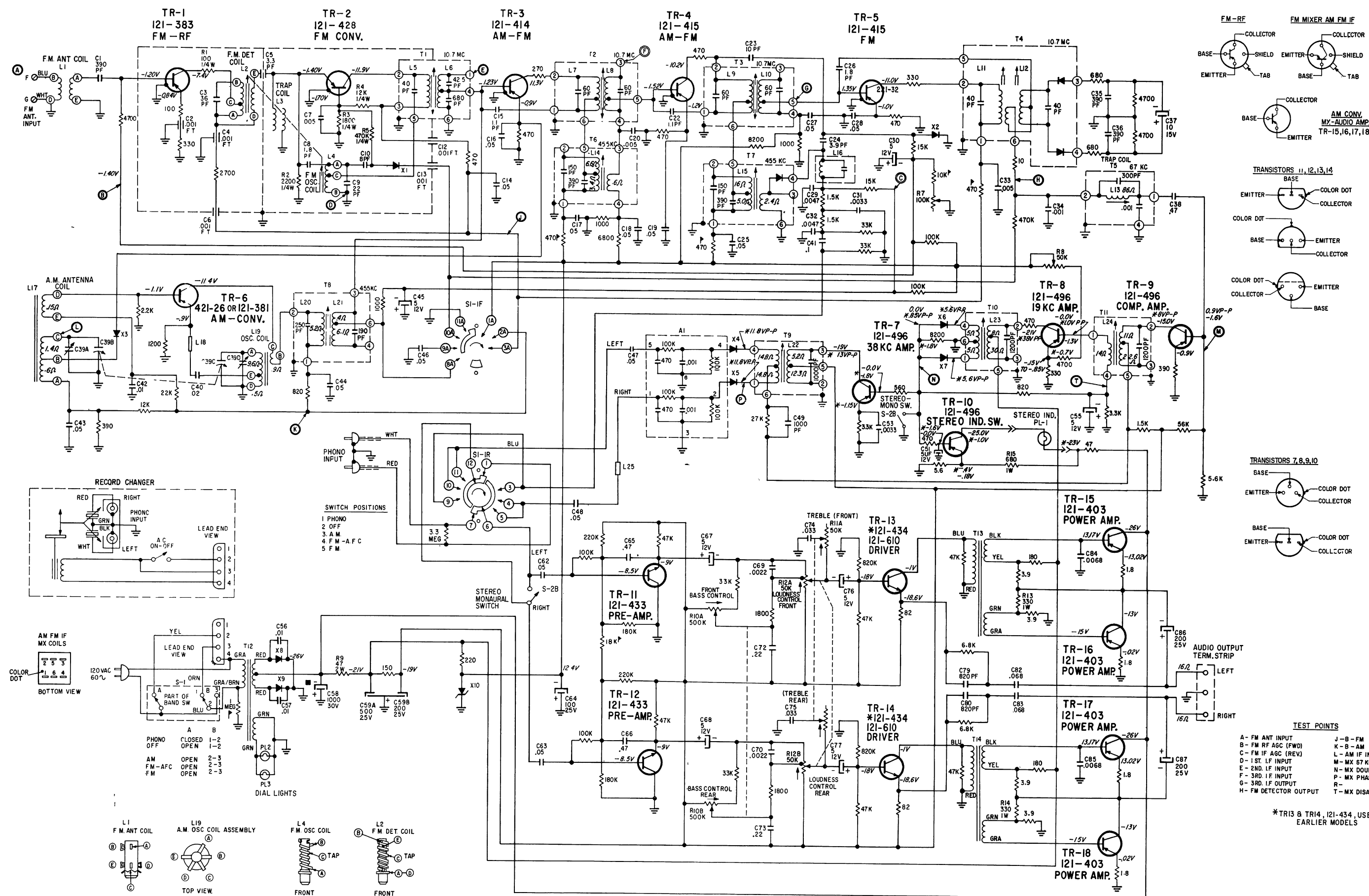
10XT26 SCHEMATIC



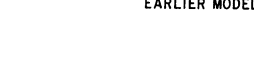
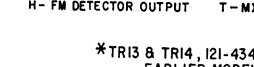
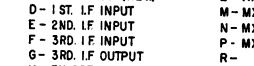
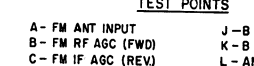
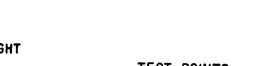
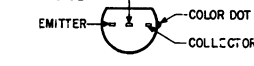
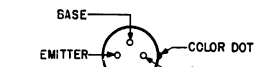
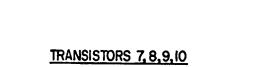
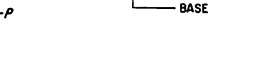
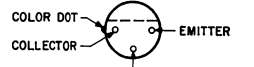
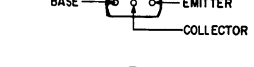
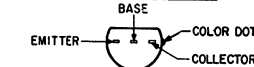
IOXT26 CHASSIS LAYOUT

NOTES

NOTES



TRANSISTORS 11, 12, 13, 14



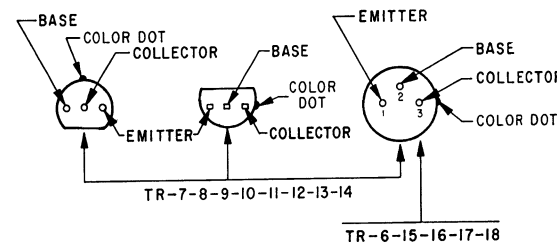
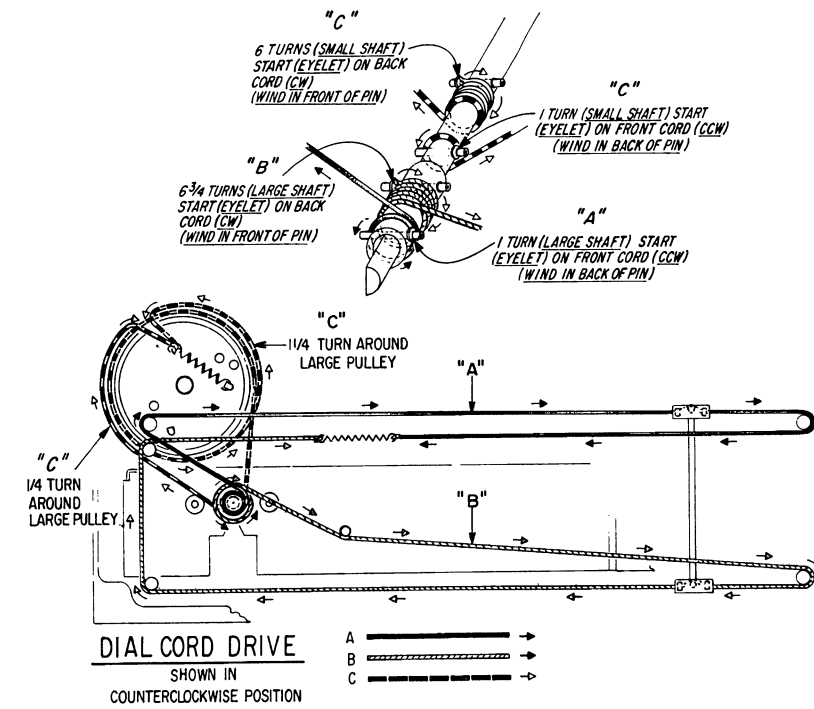
NOTES:
ALL RESISTORS ARE 1/2 WATT CARBON, $\pm 10\%$ TOLERANCE UNLESS OTHERWISE SPECIFIED.
FOR CAPACITY TOLERANCES (SEE LEGEND).
INDICATES $\pm 20\%$ TOLERANCE.
TUNING RANGES: 540 - 1620 KC STD. AM
88 - 108 MC FM
AMP. MOD. I.F. FREQ: 455 KC
FREQ. MOD. I.F. FREQ: 10.7 MC
ALL VOLTAGES MEASURED FROM COMMON RETURN TO POINTS INDICATED WITH A VACUUM TUBE VOLTMETER. ALL VOLTAGES ARE D.C. UNLESS OTHERWISE SPECIFIED. ALL CAPACITOR VALUES IN MFD UNLESS OTHERWISE SPECIFIED.
DENOTES CHASSIS
DENOTES VALUES PRESENT ONLY WITH STEREO SIGNAL. ARROWS ON CONTROLS INDICATE CLOCKWISE ROTATION.
ALL CABLE PLUGS AND SOCKETS AS SHOWN ARE LEAD END (REAR) VIEW
CIRCLED LETTERS INDICATE ALIGNMENT AND TEST POINTS.
OUTPUT TRANSISTORS (121-398) TO HAVE SAME COLOR CODE.

TEST POINTS

A - FM ANT INPUT
B - FM RF AGC (FWD)
C - FM IF AGC (REV)
D - 1ST. I.F. INPUT
E - 2ND. I.F. INPUT
F - 3RD. I.F. INPUT
G - 3RD. I.F. OUTPUT
H - FM DETECTOR OUTPUT
J - B - FM
K - B - AM
L - AM IF INPUT
M - MX 67 KC REJECTION & MX PHASE
N - MX DOUBLER OUTPUT
P - MX PHASING
R -
T - MX DISABLING

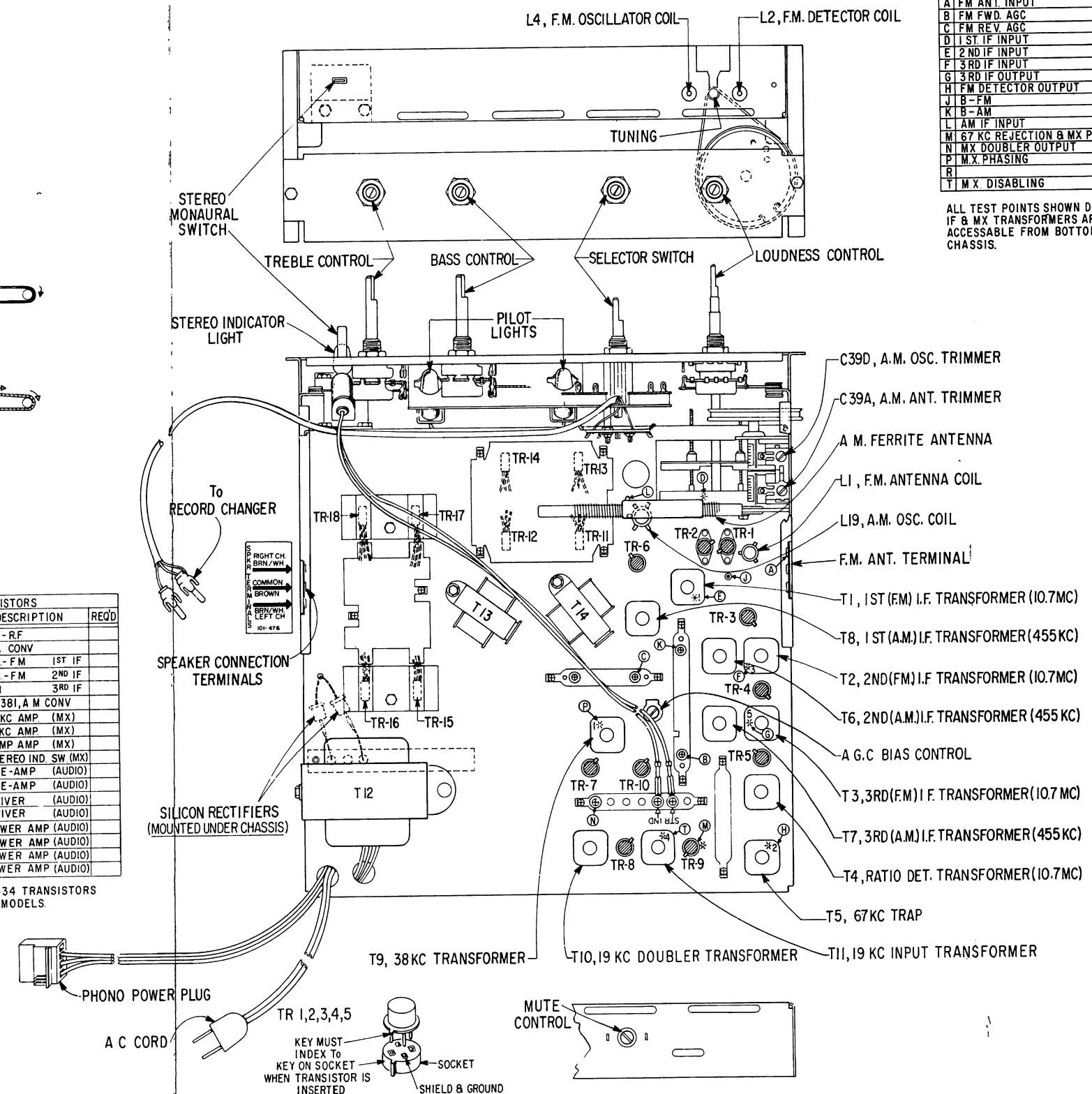
*TR13 & TR14, 121-434, USED ON EARLIER MODELS

ITEM NO.	PART NO.	DESCRIPTION	ITEM NO.	PART NO.	DESCRIPTION			
C1	22-3177	390 PF DISC ± 10%	500 V	R12A	63-6854	DUAL LOUDNESS CONTROL		
C2	22-4613	.001 F.T.	500 V	R12B	63-6854			
C3	22-5321	36 PF DISC ±5%	500 V	R13	63-6049		330 OHMS ±10%	1 W
C4	22-4613	.001 F.T. ±20%	500 V	R14	63-6049		330 OHMS ±10%	1 W
C5	22-3550	3.3 PF GIMMICK ±10%	500 V	R15	63-6063		680 OHMS ±10%	1 W
C6	22-4613	.001 F.T.	500 V	T1	95-2236	1ST I.F. TRANSFORMER F.M. 10.7 MC		
C7	22-5037	.005 MFD DISC ±20%	25 V	T2	95-2437	2ND I.F. TRANSFORMER F.M. 10.7 MC		
C8	22-2428	1.8 PF GIMMICK ±10%	500 V	T3	95-2438	3RD I.F. TRANSFORMER F.M. 10.7 MC		
C9	22-3621	22 PF DISC ±5%	500 V	T4	95-2324	RATIO DETECTOR TRANSFORMER 10.7 MC		
C10	22-5130	8 PF DISC ±5%	500 V	T5	95-2316	TRAP COIL 67KC		
C11				T6	95-2234	2ND I.F. TRANSFORMER A.M. 455KC		
C12	22-4613	.001 F.T.	500 V	T7	95-2436	3RD I.F. TRANSFORMER A.M. 455 KC		
C13	22-4613	.001 F.T.	500 V	T8	95-2233	1ST I.F. TRANSFORMER A.M. 455 KC		
C14	22-3034	.05 MFD DISC ±20%	25 V	T9	95-2439	38 KC TRANSFORMER		
C15	22-4523	1.1 PF GIMMICK ±10%	500 V	T10	95-2313	DOUBLER MIXER TRANSFORMER		
C16	22-3034	.05 MFD DISC ±20%	25 V	T11	95-2315	INPUT MIXER TRANSFORMER 19 KC		
C17	22-3034	.05 MFD DISC ±20%	25 V	T12	95-2432	POWER TRANSFORMER		
C18	22-3034	.05 MFD DISC ±20%	25 V	T13	95-2430	DRIVER TRANSFORMER		
C19	22-3034	.05 MFD DISC ±20%	25 V	T14	95-2430	DRIVER TRANSFORMER		
C20	22-5037	.005 DISC ±20%	25 V					
C21				L1	5-71997	FM ANTENNA COIL ASSEMBLY		
C22	22-4523	1.1 PF GIMMICK ±10%	500 V	L2	5-68976	FM DETECTOR COIL ASSEMBLY		
C23	22-3675	10 PF DISC ±10%	500 V	L3	20-1256	TRAP COIL		
C24	22-3400	3.9 PF GIMMICK	500 V	L4	5-62887	FM OSCILLATOR COIL ASSEMBLY		
C25	22-3034	.05 MFD DISC ±20%	25 V	L5	IN T1	1ST I.F. PRI. 10.7 MC		
C26	22-2428	1.8 PF GIMMICK ±10%	500 V	L6	IN T1	1ST I.F. SEC. 10.7 MC		
C27	22-3034	.05 MFD DISC ±20%	25 V	L7	IN T2	2ND I.F. PRI. 10.7 MC		
C28	22-3034	.05 MFD DISC ±20%	25 V	L8	IN T2	2ND I.F. SEC. 10.7 MC		
C29	22-14	.0047 MFD DISC ±10%	500 V	L9	IN T3	3RD I.F. PRI. 10.7 MC		
C30	22-2884	5 MFD ELECTROLYTIC	12 V	L10	IN T3	3RD I.F. SEC. 10.7 MC		
C31	22-13	.0033 MFD DISC ±10%	500 V	L11	IN T4	RATIO DET. PRI. 10.7 MC		
C32	22-14	.0047 MFD DISC ±10%	500 V	L12	IN T4	RATIO DET. SEC. 10.7 MC		
C33	22-5037	.005 DISC ±20%	25 V	L13	IN T5	TRAP COIL MIXER		
C34	22-2729	.001 DISC ±20%	25 V	L14	IN T6	2ND I.F. A.M. 455 KC		
C35	22-3177	390 PF DISC ±10%	500 V	L15	IN T7	3RD I.F. A.M. 455 KC		
C36	22-3177	390 PF DISC ±10%	500 V	L16	20-1422	FM COIL		
C37	22-3448	10 MFD ELECTROLYTIC	15 V	L17	5-73253	AM ANTENNA ASSEMBLY		
C38	22-5018	.47 MFD ±10% MYLAR	50 V	L18	149-333	IRON CORE SLEEVE		
C39A	22-4674	TWO SECTIONS VARIABLE CAPACITOR		L19	5-66580	AM OSCILLATOR COIL ASSEMBLY		
C39B	22-4674	TWO SECTIONS VARIABLE CAPACITOR		L20	IN T8	1ST AM I.F. PRI. 455KC		
C39C	22-4674	TWO SECTIONS VARIABLE CAPACITOR		L21	IN T8	1ST AM I.F. SEC. 455 KC		
C40	22-3033	.02 MFD ±20%	25 V	L22	IN T9	38KC TRANSFORMER		
C41	22-5188	.1 MFD ±10% MYLAR	50 V	L23	IN T10	DOUBLER MIXER TRANSFORMER		
C42	22-3010	.01 MFD DISC ±20%	25 V	L24	IN T11	INPUT MIXER TRANSFORMER		
C43	22-3034	.05 DISC ±20%	25 V	L25	149-333	IRON CORE SLEEVE		
C44	22-3034	.05 DISC ±20%	25 V	PL1	100-384	STEREO IND. BULB		
C45	22-2884	5 MFD ELECTROLYTIC	12 V	PL2	100-249	PILOT LIGHT #1847		
C46	22-3034	.05 MFD DISC ±20%	25 V	PL3	100-249	PILOT LIGHT #1847		
C47	22-3034	.05 MFD DISC ±20%	25 V					
C48	22-3034	.05 MFD DISC ±20%	25 V	S1	85-919	5 POSITION BAND SWITCH		
C49	22-3645	1000 PF MICA CAP ±10%	100 V	S2A	85-892	STEREO MONAURAL SWITCH		
C50				S2B				
C51	22-2884	5 MFD ELECTROLYTIC	12 V	A1	105-78	R/C NETWORK		
C52								
C53	22-13	.0033 MFD DISC ±10%	500 V	X1	103-47	SILICON DIODE		
C54				X2	103-23	DIODE		
C55	22-2884	5 MFD ELECTROLYTIC	12 V	X3	103-74	CRYSTAL DIODE		
C56	22-3	.01 MFD DISC	500 V	X4	103-23	DIODE		
C57	22-3	.01 MFD DISC	500 V	X5	103-23	DIODE		
C58	22-5167	1000 MFD ELECTROLYTIC	30 V	X6	103-23	DIODE		
C59A	22-4620	500 MFD ELECTROLYTIC	25 V	X7	103-23	DIODE		
C59B	22-4620	200 MFD ELECTROLYTIC	25 V	X8	212-71	SILICON RECTIFIER		
C60				X9	212-71	SILICON RECTIFIER		
C61				X10	103-96	ZENER DIODE		
C62	22-3034	.05 MFD DISC	25 V					
C63	22-3034	.05 MFD DISC	25 V					
C64	22-3973	100 MFD ELECTROLYTIC	25 V					
C65	22-5487	.47 MFD DISC	3 V					
C66	22-5487	.47 MFD DISC	3 V					
C67	22-2884	5 MFD ELECTROLYTIC	12 V					
C68	22-2884	5 MFD ELECTROLYTIC	12 V					
C69	22-18	.0022 MFD DISC	500 V					
C70	22-18	.0022 MFD DISC	500 V					
C71								
C72	22-3710	.22 MFD DISC ±10%	50 V					
C73	22-3710	.22 MFD DISC ±10%	50 V					
C74	22-5182	.033 MFD DISC	50 V					
C75	22-5182	.033 MFD DISC	50 V					
C76	22-2884	5 MFD ELECTROLYTIC	12 V					
C77	22-2884	5 MFD ELECTROLYTIC	12 V					
C78								
C79	22-3014	820 PF MICA	500 V					
C80	22-3014	820 PF MICA	500 V					
C81								
C82	22-3630	.068 MFD MYLAR	50 V					
C83	22-3630	.068 MFD MYLAR	50 V					
C84	22-2704	.0068 MFD DISC	500 V					
C85	22-2704	.0068 MFD DISC	500 V					
C86	22-5175	200 MFD ELECTROLYTIC	25 V					
C87	22-5175	200 MFD ELECTROLYTIC	25 V					
R1	63-4143	100 OHMS ±10%	1/4 W					
R2	63-4199	2.2K OHMS ±10%	1/4 W					
R3	63-4196	1.8K OHMS ±10%	1/4 W					
R4	63-4231	12 OHMS ±10%	1/4 W					
R5	63-4297	470K OHMS ±10%	1/4 W					
R6								
R7	63-6495	POTENTIOMETER						
R8	63-3238	POTENTIOMETER 50K						
R9	63-5614	47 OHMS ±10%	2 W					
R10A	63-6855	DUAL BASS CONTROL						
R10B	63-6855							
R11A	63-6853	DUAL TREBLE CONTROL						
R11B	63-6853							



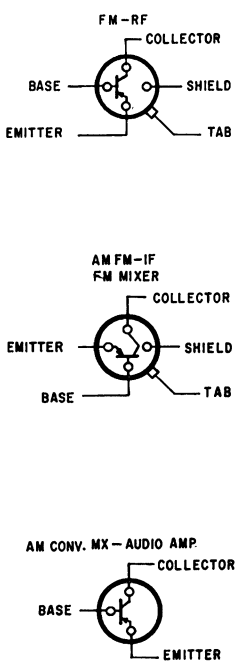
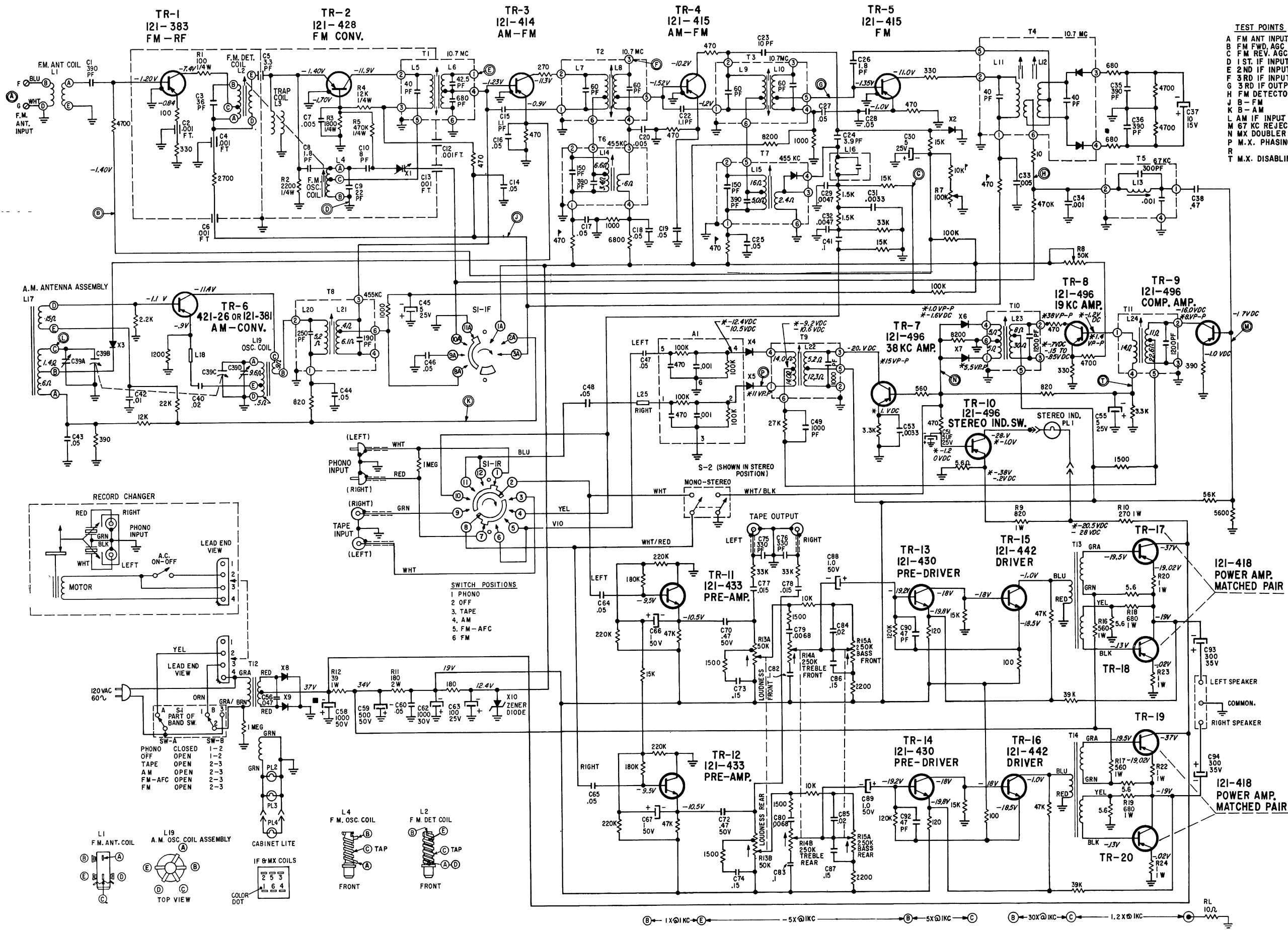
No.	PART No.	DESCRIPTION	REQ'D
TR 1	121-383	F.M. - R.F.	
TR 2	121-428	F.M. CONV.	
TR 3	121-414	A.M. - F.M. 1ST IF	
TR 4	121-415	A.M. - F.M. 2ND IF	
TR 5	121-415	F.M. 3RD IF	
TR 6	421-260R	121-381, A.M. CONV.	
TR 7	121-496	38 KC AMP. (MX)	
TR 8	121-496	19 KC AMP. (MX)	
TR 9	121-496	COMP AMP. (MX)	
TR 10	121-496	STEREO IND. SW. (MX)	
TR 11	121-433	PRE-AMP. (AUDIO)	
TR 12	121-433	PRE-AMP. (AUDIO)	
TR 13	121-610	DRIVER (AUDIO)	
TR 14	121-610	DRIVER (AUDIO)	
TR 15	121-403	POWER AMP. (AUDIO)	
TR 16	121-403	POWER AMP. (AUDIO)	
TR 17	121-403	POWER AMP. (AUDIO)	
TR 18	121-403	POWER AMP. (AUDIO)	

* TR-13, TR-14, 121-434 TRANSISTORS USED ON EARLIER MODELS



TEST POINTS
A FM ANT. INPUT
B FM FWD. AGC
C FM REV. AGC
D 1ST IF INPUT
E 2ND IF INPUT
F 3RD IF INPUT
G 3RD IF OUTPUT
H FM DETECTOR OUTPUT
J B-FM
K B-AM
L AM IF INPUT
M 67 KC REJECTION & MX PHASE
N MX DOUBLER OUTPUT
P MX PHASING
R
T MX DISABLING

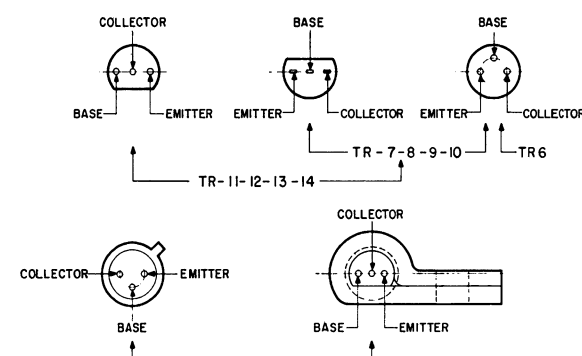
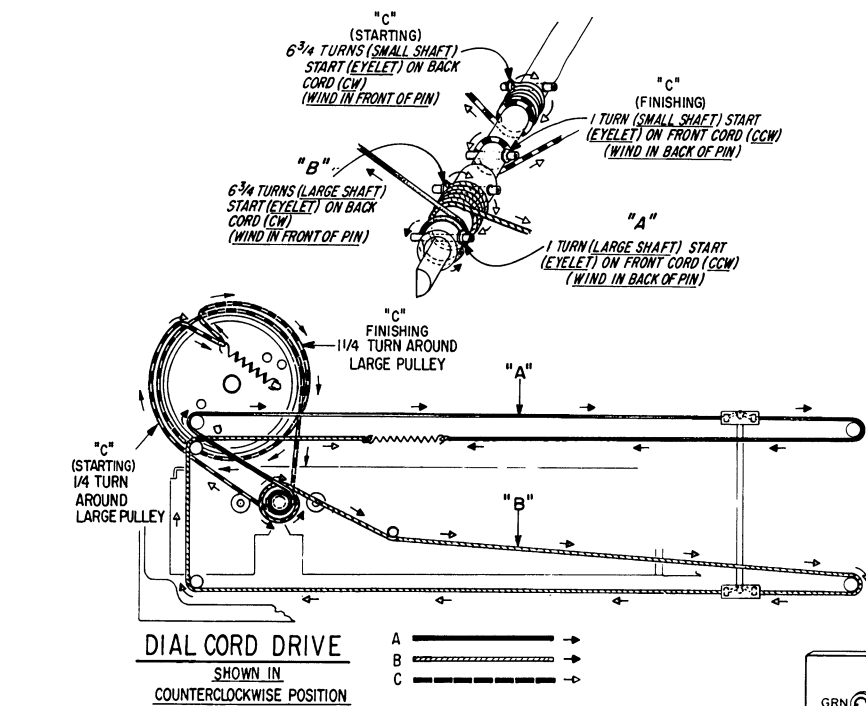
ALL TEST POINTS SHOWN DOTTED ON IF & MX TRANSFORMERS ARE ACCESSIBLE FROM BOTTOM OF THE CHASSIS.



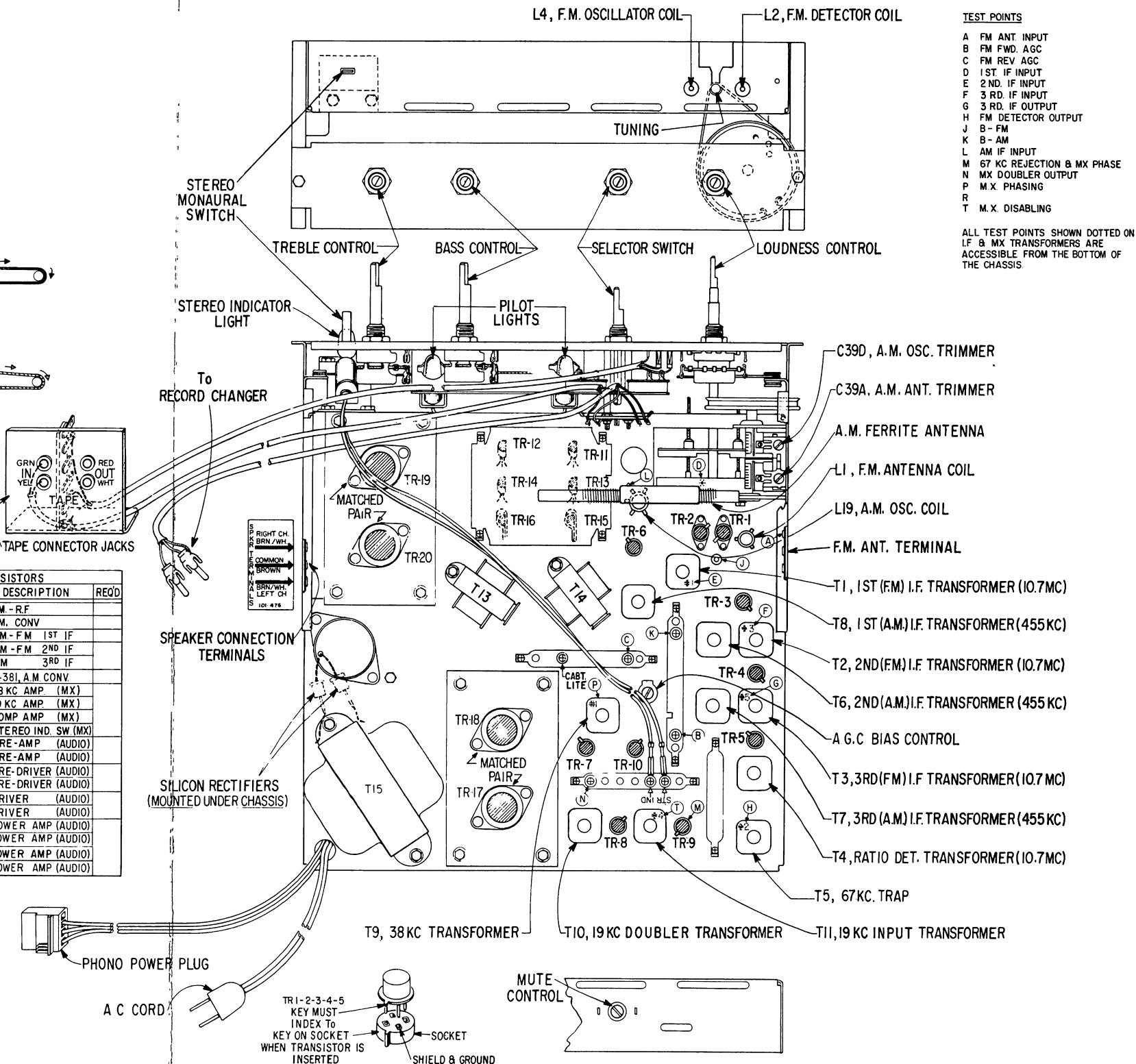
NOTES:

- ALL RESISTORS ARE 1/2 WATT CARBON, ± 10% TOLERANCE UNLESS OTHERWISE SPECIFIED.
- FOR CAPACITY TOLERANCES (SEE LEGEND).
- INDICATES ± 20% TOLERANCE.
- TUNING RANGES: 540 - 1620 KC STD. AM, 88 - 108 MC FM
- AMP MOD. I.F. FREQ: 455 KC, FREQ. MOD. I.F. FREQ: 10.7 MC
- ALL VOLTAGES MEASURED FROM COMMON RETURN TO POINTS INDICATED WITH A VACUUM TUBE VOLTMETER. ALL VOLTAGES ARE D.C. UNLESS OTHERWISE SPECIFIED. ALL CAPACITOR VALUES IN MFD UNLESS OTHERWISE SPECIFIED.
- DENOTES CHASSIS
- *DENOTES VALUES PRESENT ONLY WITH STEREO SIGNAL. ARROWS ON CONTROLS INDICATE CLOCKWISE ROTATION.
- ALL CABLE PLUGS AND SOCKETS AS SHOWN ARE LEAD END (REAR) VIEW.
- CIRCLED LETTERS INDICATE ALIGNMENT AND TEST POINTS. OUTPUT TRANSISTORS (121-418) TO HAVE SAME COLOR CODE.
- AUDIO D.C. VOLTAGES MEASURED AT ZERO SIGNAL.
- AUDIO GAIN MEASUREMENTS MADE AT 1 WATT OUTPUT, ALL CONTROLS AT MAXIMUM, PHONO POSITION.

ITEM NO.	PART NO.	DESCRIPTION	ITEM NO.	PART NO.	DESCRIPTION
C1	22-3177	390 PF DISC ±10%	R7	63-6495	POTENTIOMETER
C2	22-4613	.001 F.T.	R8	63-3238	POTENTIOMETER 50K
C3	22-5321	36 PF DISC ±5%	R9	63-6066	270 OHMS ± 10%
C4	22-4613	.001 F.T. ±20%	R10	63-6045	270 OHMS ± 10%
C5	22-3550	3.3 PF GIMMICK ±10%	R11	63-5638	180 OHMS ± 10%
C6	22-4613	.001 F.T.	R12	63-6010	39 OHMS ± 10%
C7	22-5037	.005 MFD DISC ±20%	R13A	63-6854	DUAL LOUDNESS CONTROL
C8	22-2428	1.8 PF GIMMICK ±10%	R13B	63-6854	TREBLE FRONT
C9	22-3621	22 PF DISC ±5%	R14A	63-6861	TREBLE REAR
C10	22-5130	8 PF DISC ±5%	R14B	63-6861	DUAL BASS CONTROL
C11			R15A	63-6889	560 OHMS ± 10%
C12	22-4613	.001 F.T.	R15B	63-6889	560 OHMS ± 10%
C13	22-4613	.001 F.T.	R16	63-6059	560 OHMS ± 10%
C14	22-3034	.05 MFD DISC ±20%	R17	63-6059	560 OHMS ± 10%
C15	22-4523	1.1 PF GIMMICK ±10%	R18	63-6063	680 OHMS ± 10%
C16	22-3034	.05 MFD DISC ±20%	R19	63-6063	680 OHMS ± 10%
C17	22-3034	.05 MFD DISC ±20%	R20	63-5325	1 OHM ± 10%
C18	22-3034	.05 MFD DISC ±20%	R21		
C19	22-3034	.05 MFD DISC ±20%	R22	63-5325	1 OHM ± 10%
C20	22-5038	.005 DISC ±20%	R23	63-5325	1 OHM ± 10%
C21			R24	63-5325	1 OHM ± 10%
C22	22-4523	1.1 PF GIMMICK ±10%	T1	95-2236	1ST I.F. TRANSFORMER F.M. 10.7 MC
C23	22-3675	10 PF DISC ±10%	T2	95-2437	2ND I.F. TRANSFORMER F.M. 10.7 MC
C24	22-3400	3.9 PF GIMMICK ±10%	T3	95-2438	3RD I.F. TRANSFORMER F.M. 10.7 MC
C25	22-3034	.05 MFD DISC ±20%	T4	95-2324	RATIO DETECTOR TRANSFORMER 10.7
C26	22-2428	1.8 PF GIMMICK ±10%	T5	95-2316	TRAP COIL
C27	22-3034	.05 MFD DISC ±20%	T6	95-2234	2ND I.F. TRANSFORMER A.M. 455 KC
C28	22-3034	.05 MFD DISC ±20%	T7	95-2436	3RD I.F. TRANSFORMER A.M. 455 KC
C29	22-14	.0047 MFD DISC ±10%	T8	95-2233	1ST I.F. TRANSFORMER A.M. 455 KC
C30	22-3896	5 MFD ELECTROLYTIC	T9	95-2439	38 KC TRANSFORMER
C31	22-13	.0033 MFD DISC ±10%	T10	95-2313	DOUBLER MIXER TRANSFORMER
C32	22-14	.0047 MFD DISC ±10%	T11	95-2315	INPUT MIXER TRANSFORMER
C33	22-5037	.005 DISC ±20%	T12	95-2433	POWER TRANSFORMER
C34	22-2729	.001 DISC ±20%	T13	95-2431	DRIVER TRANSFORMER
C35	22-3177	390 PF DISC ±10%	T14	95-2431	DRIVER TRANSFORMER
C36	22-3177	390 PF DISC ±10%			
C37	22-3448	10 MFD ELECTROLYTIC			
C38	22-5018	.47 MFD ±10%	L1	S-71997	FM ANTENNA COIL ASSEMBLY
C39A	22-4674	TWO SECTIONS VARIABLE CAPACITOR	L2	S-68976	FM DETECTOR COIL ASSEMBLY
C39B	22-4674	TWO SECTIONS VARIABLE CAPACITOR	L3	20-1256	TRAP COIL
C39C	22-4674	TWO SECTIONS VARIABLE CAPACITOR	L4	S-62887	FM OSCILLATOR COIL ASSEMBLY
C39D	22-4674	TWO SECTIONS VARIABLE CAPACITOR	L5	IN T1	1ST I.F. PRI. 10.7 MC
C40	22-3033	.02 MFD DISC ±20%	L6	IN T1	1ST I.F. SEC. 10.7 MC
C41	22-5188	.1 MFD ±10%	L7	IN T2	2ND I.F. PRI. 10.7 MC
C42	22-3034	.05 MFD DISC ±20%	L8	IN T2	2ND I.F. SEC. 10.7 MC
C43	22-3034	.05 MFD DISC ±20%	L9	IN T3	3RD I.F. PRI. 10.7 MC
C44	22-3034	.05 MFD DISC ±20%	L10	IN T3	3RD I.F. SEC. 10.7 MC
C45	22-3896	5 MFD ELECTROLYTIC	L11	IN T4	RATIO DET. PRI. 10.7 MC
C46	22-3034	.05 MFD DISC ±20%	L12	IN T4	RATIO DET. SEC. 10.7 MC
C47	22-3034	.05 MFD DISC ±20%	L13	IN T5	TRAP COIL MIXER
C48	22-3034	.05 MFD DISC ±20%	L14	IN T6	2ND I.F. A.M. 455 KC
C49	22-3645	1000 PF MICA CAP ±10%	L15	IN T7	3RD I.F. A.M. 455 KC
C50			L16	20-1422	TRAP COIL 10.7 MC
C51	22-3896	5 MFD ELECTROLYTIC	L17	S-73253	AM ANTENNA ASSEMBLY
C52			L18	149-333	IRON CORE SLEEVE
C53	22-13	.0033 MFD DISC ±10%	L19	S-66580	AM OSCILLATOR COIL ASSEMBLY
C54			L20	IN T8	1ST AM I.F. PRI. 455 KC
C55	22-3896	5 MFD ELECTROLYTIC	L21	IN T8	1ST AM I.F. SEC. 455 KC
C56	22-4121	.047 MFD DISC	L22	IN T9	38 KC TRANSFORMER
C57			L23	IN T10	DOUBLER MIXER TRANSFORMER
C58	22-3879	1000 MFD ELECTROLYTIC	L24	IN T11	INPUT MIXER TRANSFORMER
C59	22-5316	500 MFD ELECTROLYTIC	L25	149-333	IRON CORE SLEEVE
C60	22-3034	.05 MFD DISC ±20%	PL 1	100-384	STEREO IND. BULB
C61			PL 2	100-249	PILOT LIGHT #1847
C62	22-5167	1000 MFD ELECTROLYTIC	PL 3	100-249	PILOT LIGHT #1847
C63	22-3973	100 MFD ELECTROLYTIC	PL 4	100-249	PILOT LIGHT #1847
C64	22-3034	.05 MFD DISC ±20%	S1	85-920	6 POSITION BAND SWITCH
C65	22-3034	.05 MFD DISC ±20%	S2	85-892	STEREO MONAURAL SWITCH
C66	22-3687	1 MFD ELECTROLYTIC	A1	105-78	R/C NETWORK
C67	22-3687	1 MFD ELECTROLYTIC	X1	103-47	SILICON DIODE
C68			X2	103-23	DIODE
C69			X3	103-74	CRYSTAL DIODE
C70	22-5018	.47 MFD CAPACITOR ±10%	X4	103-23	DIODE
C71	22-5018	.47 MFD CAPACITOR ±10%	X5	103-23	DIODE
C72	22-5012	.15 MFD ±10%	X6	103-23	DIODE
C73	22-5012	.15 MFD ±10%	X7	103-23	DIODE
C74	22-3255	330 PF ±10%	X8	212-71	SILICON RECTIFIER
C75	22-3255	330 PF ±10%	X9	212-71	SILICON RECTIFIER
C76	22-3255	.015 MFD ±10%	X10	103-96	ZENER DIODE
C77	22-3599	.015 MFD ±10%			
C78	22-3599	.015 MFD ±10%			
C79	22-3415	.0068 MFD ±10%			
C80	22-3415	.0068 MFD ±10%			
C81					
C82	22-5249	.1 MFD ± 20%			
C83	22-5249	.1 MFD ± 20%			
C84	22-5056	.02 MFD DISC ± 20%			
C85	22-5056	.02 MFD DISC ± 20%			
C86	22-5012	.15 MFD ± 10%			
C87	22-5012	.15 MFD ± 10%			
C88	22-3687	1 MFD ELECTROLYTIC			
C89	22-3687	1 MFD ELECTROLYTIC			
C90	22-2376	47 PF ± 10%			
C91					
C92	22-2376	47 PF ± 10%			
C93	22-5315	300 MFD ELECTROLYTIC			
C94	22-5315	300 MFD ELECTROLYTIC			
R1	63-4143	100 OHMS ± 10%			
R2	63-4213	2.2K OHMS ± 10%			
R3	63-4196	1.8K OHMS ± 10%			
R4	63-4231	12K OHMS ± 10%			
R5	63-4297	470K OHMS ± 10%			
R6					

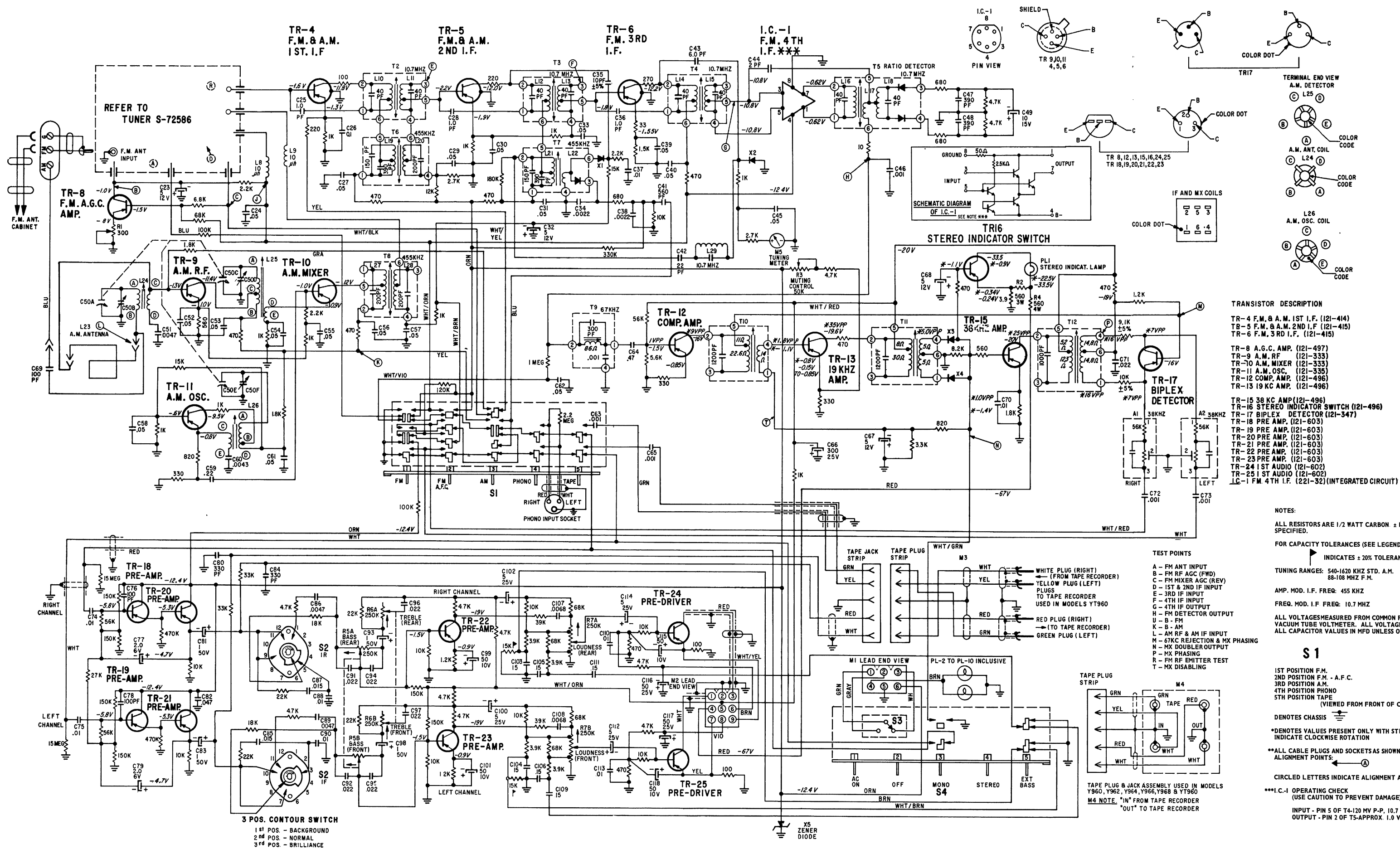


No.	PART NO.	DESCRIPTION	REQD.
TR 1	121-383	FM - R.F.	
TR 2	121-428	FM. CONV.	
TR 3	121-414	A.M. - FM 1ST IF	
TR 4	121-415	A.M. - FM 2ND IF	
TR 5	121-415	FM 3RD IF	
TR 6	421-26 OR 121-381	A.M. CONV.	
TR 7	121-496	38 KC AMP. (MX)	
TR 8	121-496	19 KC AMP. (MX)	
TR 9	121-496	COMP AMP. (MX)	
TR 10	121-496	STEREO IND. SW. (MX)	
TR 11	121-433	PRE-AMP. (AUDIO)	
TR 12	121-433	PRE-AMP. (AUDIO)	
TR 13	121-430	PRE-DRIVER (AUDIO)	
TR 14	121-430	PRE-DRIVER (AUDIO)	
TR 15	121-442	DRIVER (AUDIO)	
TR 16	121-442	DRIVER (AUDIO)	
TR 17	121-418	POWER AMP. (AUDIO)	
TR 18	121-418	POWER AMP. (AUDIO)	
TR 19	121-418	POWER AMP. (AUDIO)	
TR 20	121-418	POWER AMP. (AUDIO)	

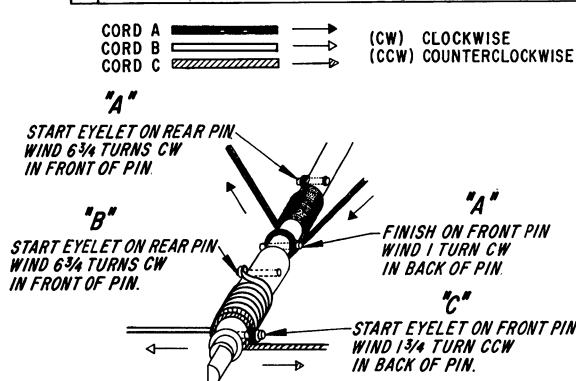
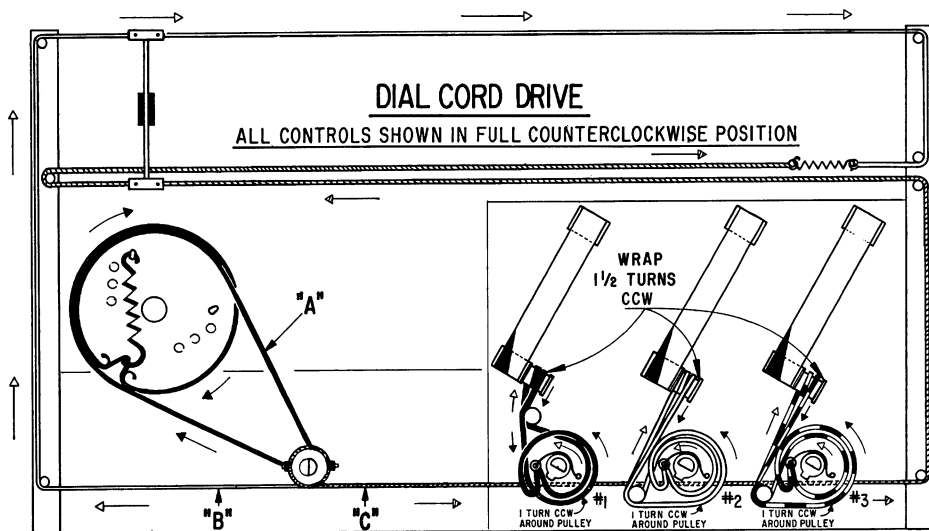


- TEST POINTS**
- A FM ANT. INPUT
 - B FM FWD. AGC
 - C FM REV. AGC
 - D 1ST IF INPUT
 - E 2ND IF INPUT
 - F 3RD IF INPUT
 - G 3RD IF OUTPUT
 - H FM DETECTOR OUTPUT
 - J B - FM
 - K B - AM
 - L AM IF INPUT
 - M 67 KC REJECTION & MX PHASE
 - N MX DOUBLER OUTPUT
 - P M.X. PHASING
 - R T M.X. DISABLING

ALL TEST POINTS SHOWN DOTTED ON IF & MX TRANSFORMERS ARE ACCESSIBLE FROM THE BOTTOM OF THE CHASSIS



ITEM NO.	PART NO.	DESCRIPTION	ITEM NO.	PART NO.	DESCRIPTION
C23	22-2884	5 MFD. ELECTROLYTIC	C118	22-2726	50 MFD. ELECTROLYTIC
C24	22-3034	.05 MFD. DISC.			
C25	22-2720	1 PF GIMMICK	R1	63-6376	POTENTIOMETER
C26	22-3652	.1 MFD. DISC.	R2	63-6442	560 OHM
C27	22-3034	.05 MFD. DISC.	R3	63-3238	POTENTIOMETER (MUTING)
C28	22-2720	1 PF GIMMICK	R4	63-4405	560 OHM
C29	22-3034	.05 MFD. DISC.	R5A	63-7201	BASS CONTROL (REAR)
C30	22-3034	.05 MFD. DISC.	R5B		BASS CONTROL (FRONT)
C31	22-3034	.05 MFD. DISC.	R6A	63-7202	TREBLE CONTROL (REAR)
C32	22-2884	5 MFD. ELECTROLYTIC	R6B		TREBLE CONTROL (FRONT)
C33	22-3034	.05 MFD. DISC.	R7A	63-7200	LOUDNESS CONTROL (REAR)
C34	22-18	.0022 DISC.	R7B		LOUDNESS CONTROL (FRONT)
C35	22-3675	10 PF DISC. ±5%			
C36	22-2720	1 PF GIMMICK	L8	20-2033	PEAKING COIL
C37	22-3010	.01 MFD. DISC.	L9	20-2033	PEAKING COIL
C38	22-18	.0022 DISC.	L10	IN T2	2ND I.F. TRANSFORMER (FM) PRI.
C39	22-3034	.05 MFD. DISC.	L11	IN T2	2ND I.F. TRANSFORMER (FM) SEC.
C40	22-3034	.05 MFD. DISC.	L12	IN T3	3RD I.F. TRANSFORMER (AM) PRI.
C41	22-3362	560 PF DISC. ±10%	L13	IN T3	3RD I.F. TRANSFORMER (AM) SEC.
C42	22-2903	22 PF DISC.	L14	IN T4	4TH I.F. TRANSFORMER (FM) PRI.
C43	22-2374	6 PF ±5%	L15	IN T4	4TH I.F. TRANSFORMER (FM) SEC.
C44	22-2434	2 PF GIMMICK	L16	IN T5	RATIO DET. TRANSFORMER PRI.
C45	22-3034	.05 MFD. DISC.	L17	IN T5	RATIO DET. TRANSFORMER
C46	22-2729	.001 MFD. DISC.	L18	IN T5	2ND I.F. TRANSFORMER (AM) PRI.
C47	22-3177	390 PF DISC.	L19	IN T6	2ND I.F. TRANSFORMER (AM) SEC.
C48	22-3177	390 PF DISC.	L20	IN T6	2ND I.F. TRANSFORMER (AM) SEC.
C49	22-3448	10 MFD. ELECTROLYTIC	L21	IN T7	3RD I.F. TRANSFORMER (FM) PRI.
C50A		ANTENNA TUNING	L22	IN T7	3RD I.F. TRANSFORMER (FM) SEC.
C50B		DETECTOR TRIMMER	L23	S-64803	AM ANTENNA (CABINET)
C50C		OSCILLATOR TRIMMER	L24	S-74470	ANTENNA COIL ASSEMBLY (AM)
C50D	22-4817	OSCILLATOR TRIMMER	L25	S-69165	DETECTOR COIL ASSEMBLY (AM)
C50E		OSCILLATOR TRIMMER	L26	S-72828	OSCILLATOR COIL ASSEMBLY (AM)
C51	22-3944	.0047 DISC.	L27	IN T8	1ST AM I.F. TRANSFORMER PRI.
C52	22-3034	.05 MFD. DISC.	L28	IN T8	1ST AM I.F. TRANSFORMER SEC.
C53	22-3034	.05 MFD. DISC.	L29	20-1422	PEAKING COIL
C54	22-3034	.05 MFD. DISC.			
C55	22-3034	.05 MFD. DISC.	T2	95-2328	2ND I.F. TRANSFORMER (FM)
C56	22-3034	.05 MFD. DISC.	T3	95-2387	3RD I.F. TRANSFORMER (FM)
C57	22-3034	.05 MFD. DISC.	T4	95-2387	4TH I.F. TRANSFORMER (FM)
C58	22-3034	.05 MFD. DISC.	T5	95-2324	RATIO DETECTOR TRANSFORMER
C59	22-3527	.022 MFD. DISC.	T6	95-2326	2ND I.F. TRANSFORMER (AM)
C60	22-4665	4300 PF DUREZ	T7	95-2327	3RD I.F. TRANSFORMER (AM)
C61	22-4665	.05 MFD. DISC.	T8	95-2325	1ST I.F. TRANSFORMER (AM)
C62	22-3034	.05 MFD. DISC.	T9	95-2316	TRAP COIL 67KHZ
C63	22-3748	.001 MFD. DISC.	T10	95-2315	19KHZ INPUT TRANSFORMER
C64	22-5018	.47 MFD. DISC. ±10%	T11	95-2313	19KHZ DOUBLER TRANSFORMER
C65	22-3748	.001 MFD. DISC.	T12	95-2314	38KHZ DETECTOR TRANSFORMER
C66	22-5168	300 MFD. ELECTROLYTIC			
C67	22-2884	5 MFD. ELECTROLYTIC	A1	105-93	38 KHZ FILTER (RIGHT)
C68	22-2884	5 MFD. ELECTROLYTIC	A2	105-93	38 KHZ FILTER (LEFT)
C69	22-9	100 PF DISC.	M1	S-76802	HOUSING & CABLE ASSEMBLY (6 CONTACT)
C70	22-3010	.01 MFD. DISC.	M2	S-76799	HOUSING & CABLE ASSEMBLY (9 CONTACT)
C71	22-3826	.022 MFD.	M3	S-73785	TAPE CONNECTOR & PLUG ASSEMBLY
C72	22-17	.001 MFD. DISC.	M4	S-69254	TAPE CONNECTOR & BRACKET ASSEMBLY
C73	22-17	.001 MFD. DISC.	M5	122-35	TUNING METER
C74	22-3010	.01 MFD. DISC.			
C75	22-3010	.01 MFD. DISC.	PL1	100-384	STEREO INDICATOR BULB
C76	22-9	100 PF DISC.	PL2	100-249	PILOT LIGHT #1847
C77	22-3670	2 MFD. ELECTROLYTIC	PL3	100-249	PILOT LIGHT #1847
C78	22-9	100 PF DISC.	PL4	100-249	PILOT LIGHT #1847
C79	22-3670	2 MFD. ELECTROLYTIC	PL5	100-249	PILOT LIGHT #1847
C80	22-3255	330 PF DISC. ±10%	PL6	100-249	PILOT LIGHT #1847
C81	22-3687	1 MFD. ELECTROLYTIC	PL7	100-249	PILOT LIGHT #1847
C82	22-5184	.047 MFD. ±10%	PL8	100-249	PILOT LIGHT #1847
C83	22-3687	1 MFD. ELECTROLYTIC	PL9	100-249	PILOT LIGHT #1847
C84	22-3255	330 PF DISC. ±10%	PL10	100-249	PILOT LIGHT #1847
C85	22-4308	.015 MFD.			
C86	22-14	.0047 DISC.	S1	85-992	PUSH BUTTON BANDSWITCH
C87	22-4308	.015 MFD.	S2	85-993	3 POSITION CONTOUR SWITCH
C88	22-4296	.01 MFD.	S3	85-996	A.C. SWITCH (PART OF 85-991)
C89	22-14	.0047 DISC.	S4	85-991	PUSH BUTTON BAND SWITCH
C90	22-4296	.01 MFD.			
C91	22-3826	.022 MFD. ±10%	X1	103-23	DIODE
C92	22-3826	.022 MFD. ±10%	X2	103-23	DIODE
C93	22-3826	.022 MFD. ±10%	X3	103-23	DIODE
C94	22-3826	.022 MFD. ±10%	X4	103-23	DIODE
C95	22-3826	.022 MFD. ±10%	X5	103-23	DIODE (ZENER)
C96	22-3826	.022 MFD. ±10%			
C97	22-3826	.022 MFD. ±10%			
C98	22-3687	1 MFD. ELECTROLYTIC			
C99	22-2726	50 MFD. ELECTROLYTIC			
C100	22-3896	5 MFD. ELECTROLYTIC			
C101	22-2726	50 MFD. ELECTROLYTIC			
C102	22-3896	5 MFD. ELECTROLYTIC			
C103	22-5012	.15 MFD. ±10%			
C104	22-5012	.15 MFD. ±10%			
C105	22-5012	.15 MFD. ±10%			
C106	22-5012	.15 MFD. ±10%			
C107	22-3891	.0068 MFD. ±10%			
C108	22-3891	.0068 MFD. ±10%			
C109	22-5012	.15 MFD. ±10%			
C110	22-5012	.01 MFD. ±10% DISC.			
C111	22-5012	.15 MFD. ±10%			
C112	22-3896	5 MFD. ELECTROLYTIC			
C113	22-3010	.01 MFD. DISC.			
C114	22-3896	5 MFD. ELECTROLYTIC			
C115	22-2726	50 MFD. ELECTROLYTIC			
C116	22-4577	50 MFD. ELECTROLYTIC			
C117	22-4577	50 MFD. ELECTROLYTIC			



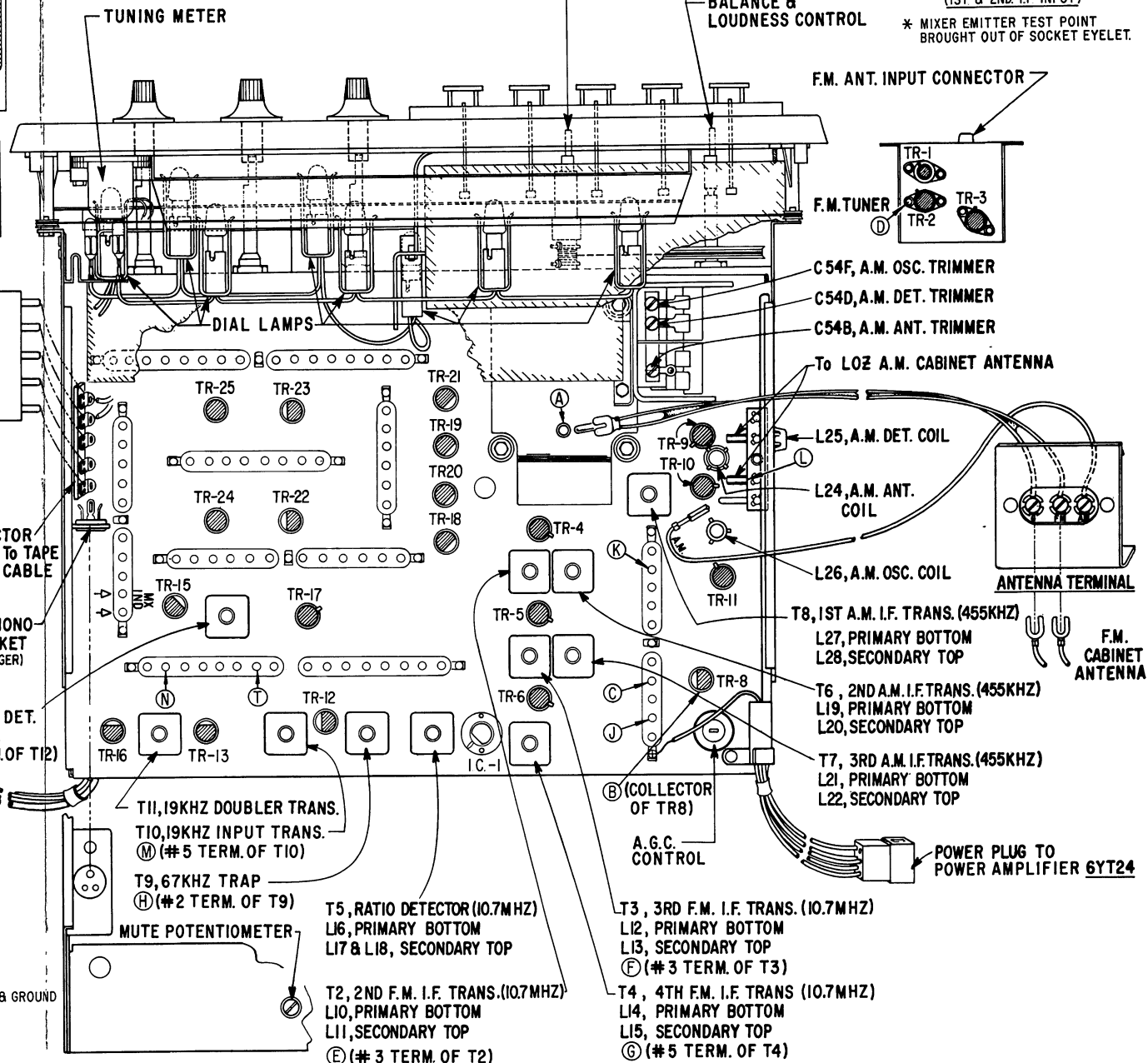
No.	PART No.	DESCRIPTION
TR-1	121-3831	F.M. R.F.
TR-2	121-4288	F.M. MIXER
TR-3	121-4332	F.M. OSC.
TR-4	121-4114	F.M. A.M. 1st I.F.
TR-5	121-4115	F.M. A.M. 2nd I.F.
TR-6	121-4115	F.M. 3rd I.F.
IC-1	221-32	F.M. 4th I.F. INTEGRATOR
TR-8	121-497	A.G.C. AMP.
TR-9	121-333	A.M. R.F.
TR-10	121-333	A.M. MIXER
TR-11	121-335	A.M. OSC.
TR-12	121-496	COMPOSITE AMP.
TR-13	121-496	19KHZ AMP.
TR-15	121-496	38 KHZ AMP.
TR-16	121-496	STEREO IND. SWITCH
TR-17	121-347	BI PLEX DET.
TR-18	121-603	PRE AMP.
TR-19	121-603	PRE AMP.
TR-20	121-603	PRE AMP.
TR-21	121-603	PRE AMP.
TR-22	121-603	PRE AMP.
TR-23	121-603	PRE AMP.
TR-24	121-602	1st. AUDIO
TR-25	121-602	1st. AUDIO

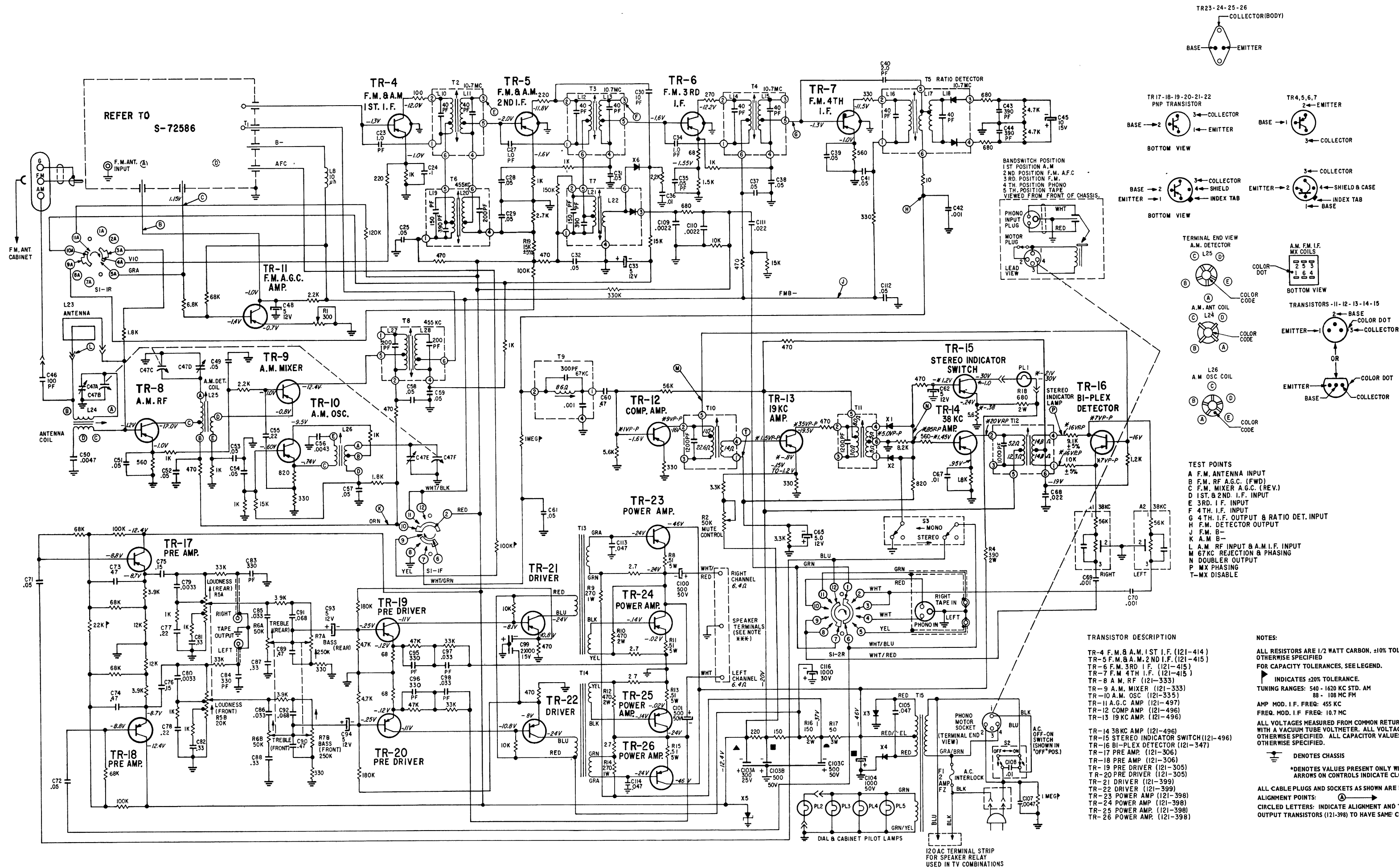
TAPE JACK & BRACKET ASSEMBLY USED ON
Y960 Y966
Y962 Y968
Y964

T1, 1ST I.F. TRANSFORMER (10.7MHZ)
L5, PRIMARY BOTTOM
L6, SECONDARY TOP
L3, F.M. DETECTOR
L7, F.M. OSCILLATOR
L2, F.M. R.F.
L1, F.M. ANTENNA

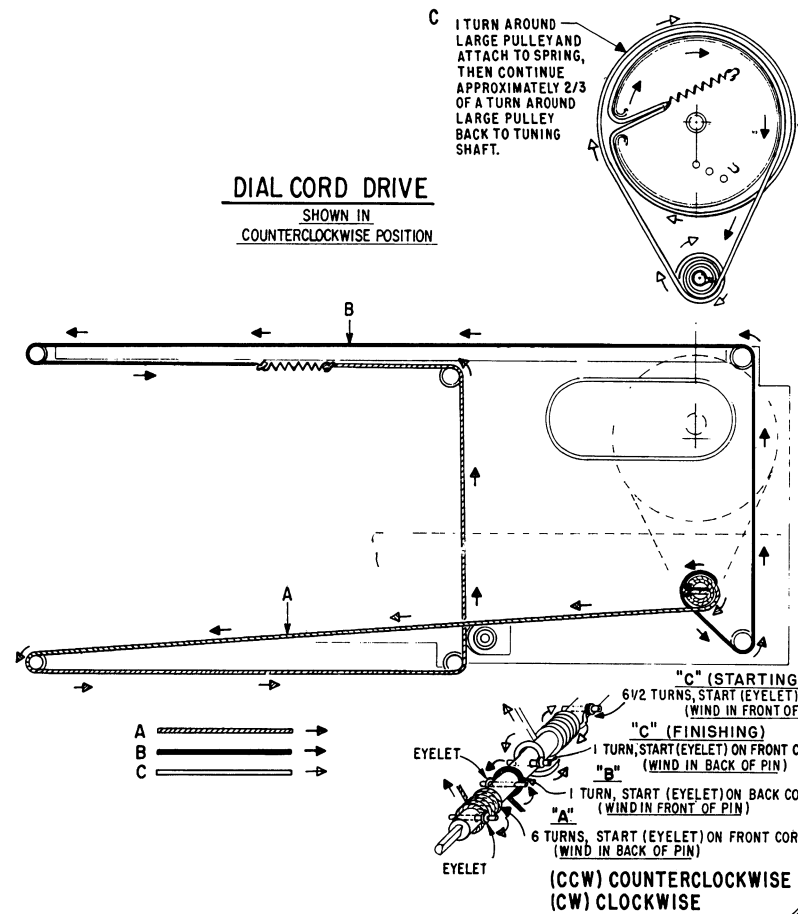
TEST POINTS	
A	F.M. ANTENNA INPUT 88-108 MHZ
B	F.M. R.F. A.G.C. (FWD)-DC
C	F.M. MIXER A.G.C. (REV)-DC
D	1ST 2ND I.F. INPUT 10.7 MHZ
E	3RD I.F. INPUT 10.7 MHZ
F	4TH I.F. OUTPUT 10.7 MHZ
G	4TH I.F. OUTPUT & RATIO DET. INPUT 10.7 MHZ
H	F.M. DET. OUTPUT DC-75KHZ
J	F.M. B-
K	A.M. B-
L	A.M. R.F. INPUT and A.M. I.F. INPUT 535-1620KHZ & 455KHZ
M	67KHZ REJECTION & PHASING (MX)
N	DOUBLER OUTPUT DC & 38KHZ
P	PHASING (MX)
T	MX DISABLE

(1ST & 2ND I.F. INPUT)
* MIXER EMITTER TEST POINT BROUGHT OUT OF SOCKET EYELET.





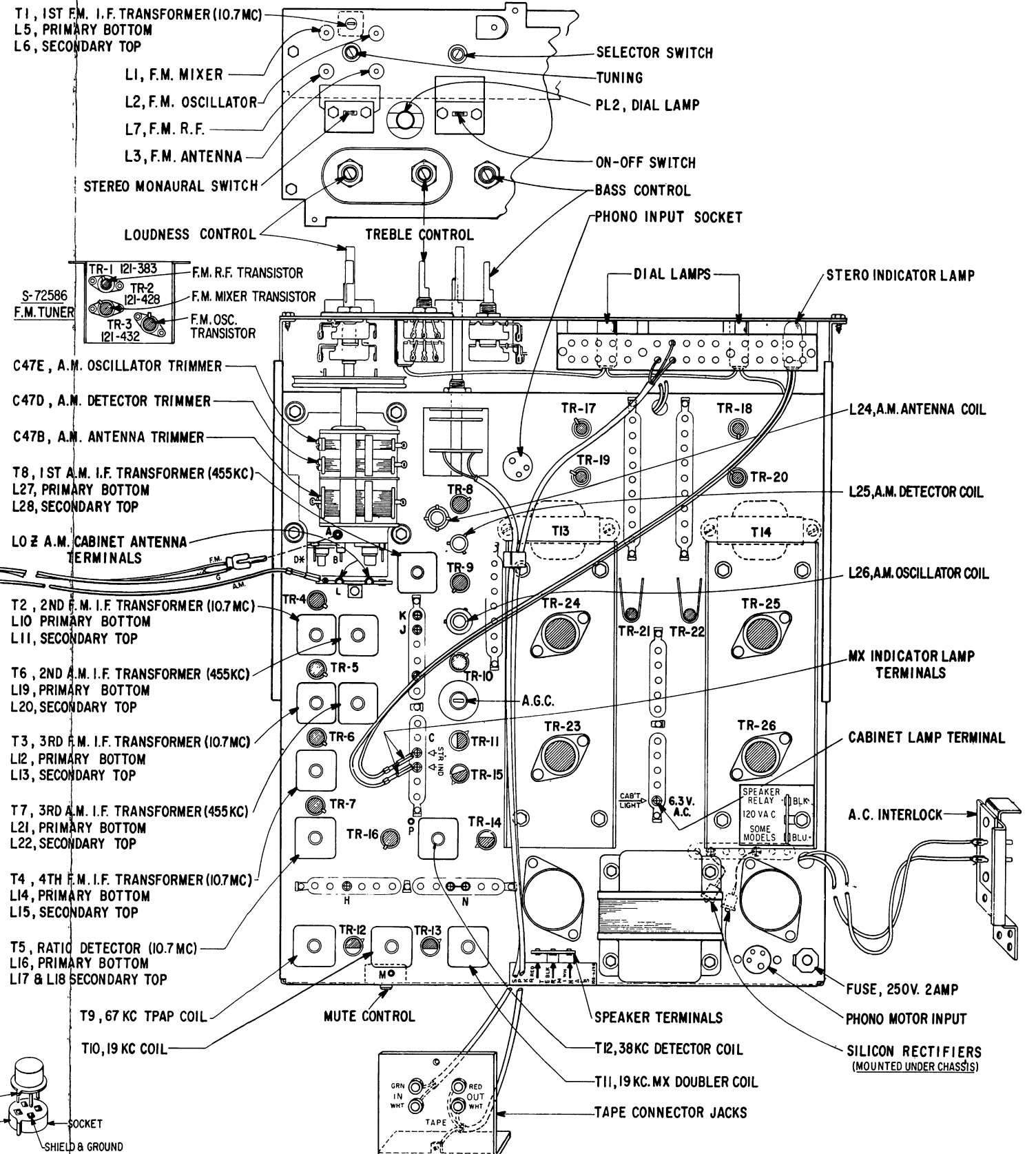
ITEM NO.	PART NO.	DESCRIPTION	ITEM NO.	PART NO.	DESCRIPTION
C23	22-2720	1 PF GIMMICK $\pm 10\%$	R4	63-5652	390 OHMS $\pm 10\%$
C24	22-3652	.1 MFD DISC	R5	63-6361	LOUDNESS CONTROL (REAR)
C25	22-3034	.05 MFD DISC	R5B		LOUDNESS CONTROL (FRONT)
C26			R6A	63-6363	TREBLE CONTROL (REAR)
C27	22-2720	1 PF GIMMICK $\pm 10\%$	R6B		TREBLE CONTROL (FRONT)
C28	22-3034	.05 MFD DISC	R7A	63-6362	BASS CONTROL (REAR)
C29	22-3034	.05 MFD DISC	R7B		BASS CONTROL (FRONT)
C30	22-3675	10 PF DISC $\pm 5\%$	R8	63-5305	.51 OHMS $\pm 5\%$
C31	22-3034	.05 MFD DISC	R9	63-6045	270 OHMS $\pm 10\%$
C32	22-3034	.05 MFD DISC	R10	63-5656	470 OHMS $\pm 10\%$
C33	22-2884	5 MFD ELECTROLYTIC	R11	63-5305	.51 OHMS $\pm 5\%$
C34	22-2720	1 PF GIMMICK $\pm 10\%$	R12	63-5656	470 OHMS $\pm 10\%$
C35	22-3034	.05 MFD DISC	R13	63-5305	.51 OHMS $\pm 5\%$
C36	22-3	.01 MFD DISC	R14	63-6045	270 OHMS $\pm 10\%$
C37	22-3034	.05 MFD DISC	R15	63-5305	.51 OHMS $\pm 5\%$
C38	22-3034	.05 MFD DISC	R16	63-5635	150 OHMS $\pm 10\%$
C39	22-3034	.05 MFD DISC	R17	63-6377	50 OHMS $\pm 10\%$
C40	22-2434	2 PF GIMMICK $\pm 10\%$	R18	63-5663	680 OHMS $\pm 10\%$
C41	22-3034	.05 MFD DISC	R19	63-1833	15 OHMS $\pm 5\%$
C42	22-2720	.001 MFD DISC	L8	20-2033	R.F. CHOKE COIL
C43	22-3177	390 PF DISC $\pm 10\%$	L10	IN T2	2ND I.D. TRANSFORMER (FM) PRI.
C44	22-3177	390 PF DISC $\pm 10\%$	L11	IN T2	2ND I.D. TRANSFORMER (FM) SEC.
C45	22-3448	10 MFD ELECTROLYTIC	L12	IN T3	3RD I.F. TRANSFORMER (AM) PRI.
C46	22-9	100 PF DISC $\pm 10\%$	L13	IN T3	3RD I.F. TRANSFORMER (AM) SEC.
C47A		ANTENNA TUNING	L14	IN T4	4TH I.F. TRANSFORMER (FM) PRI.
C47B		ANTENNA TRIMMER	L15	IN T4	4TH I.F. TRANSFORMER (FM) SEC.
C47C	22-4808	DETECTOR TUNING	L16	IN T5	RATIO DETECTOR TRANSFORMER PRI.
C47D		DETECTOR TRIMMER	L17	IN T5	RATIO DETECTOR TRANSFORMER SEC.
C47E		OSCILLATOR TUNING	L18	IN T5	RATIO DETECTOR TRANSFORMER 3RD
C47F		OSCILLATOR TRIMMER	L19	IN T6	2ND I.F. TRANSFORMER (AM) PRI.
C48	22-2884	5 MFD ELECTROLYTIC	L20	IN T6	2ND I.F. TRANSFORMER (AM) SEC.
C49	22-3034	.05 MFD DISC	L21	IN T7	3RD I.F. TRANSFORMER (FM) PRI.
C50	22-3944	.0047 MFD DISC	L22	IN T7	3RD I.F. TRANSFORMER (FM) SEC.
C51	22-3034	.05 MFD DISC	L23	S-64803	A.M. ANTENNA (CABINET)
C52	22-3034	.05 MFD DISC	L24	S-74470	ANTENNA COIL ASSEMBLY (AM)
C53	22-3034	.05 MFD DISC	L25	S-69165	DETECTOR COIL ASSEMBLY (AM)
C54	22-3034	.05 MFD DISC	L26	S-72828	OSCILLATOR COIL ASSEMBLY (AM)
C55	22-3527	.0047 MFD DUREZ $\pm 10\%$	L27	IN T8	1ST I.F. TRANSFORMER (AM) PRI.
C56	22-4665	.0047 MFD DUREZ $\pm 10\%$	L28	IN T8	1ST AM FM TRANSFORMER (AM) SEC.
C57	22-3034	.05 MFD DISC	A1	105-93	38 KC FILTER
C58	22-3034	.05 MFD DISC	A2	105-93	38 KC FILTER
C59	22-3034	.05 MFD DISC	F1	136-40	2 AMP FUSE
C60	22-5018	.47 MFD MYLAR $\pm 10\%$	PL1	100-384	STEREO INDICATOR LIGHT
C61	22-3034	.05 MFD DISC	PL2	100-249	PILOT LIGHT #1847
C62	22-2884	5 MFD ELECTROLYTIC	PL3	100-249	PILOT LIGHT #1847
C63			PL4	100-249	PILOT LIGHT #1847
C64			PL5	100-249	PILOT LIGHT #1847
C65	22-2884	5 MFD ELECTROLYTIC	S1	85-923	FIVE POSITION BANDSWITCH
C66			S2	85-891	A.C. SWITCH
C67	22-3010	.01 MFD DISC	S3	85-892	STEREO MONAURAL SWITCH
C68	22-3826	.022 MFD MYLAR $\pm 10\%$	T2	95-2328	2ND I.F. TRANSFORMER (FM)
C69	22-17	.001 MFD DISC	T3	95-2387	3RD I.F. TRANSFORMER (FM)
C70	22-17	.001 MFD DISC	T4	95-2328	4TH I.F. TRANSFORMER (FM)
C71	22-3034	.05 MFD DISC	T5	95-2324	RATIO DETECTOR TRANSFORMER
C72	22-3034	.05 MFD DISC	T6	95-2326	2ND I.F. TRANSFORMER (AM)
C73	22-3588	.47 MFD DISC	T7	95-2327	3RD I.F. TRANSFORMER (AM)
C74	22-3588	.47 MFD DISC	T8	95-2325	1ST AM I.F. TRANSFORMER
C75	22-5012	.15 MFD MYLAR $\pm 10\%$	T9	95-2316	TRAP COIL 67 KC
C76	22-5012	.15 MFD MYLAR	T10	95-2315	19 KC MULTIPLEX TRANSFORMER
C77	22-3710	.22 MFD MYLAR $\pm 10\%$	T11	95-2313	19 KC DOUBLER TRANSFORMER
C78	22-3710	.22 MFD MYLAR $\pm 10\%$	T12	95-2314	38 KC DETECTOR TRANSFORMER
C79	22-13	.0033 MFD DISC $\pm 10\%$	T13	95-2330	DRIVER TRANSFORMER
C80	22-13	.0033 MFD DISC $\pm 10\%$	T14	95-2330	DRIVER TRANSFORMER
C81	22-3595	.33 MFD DISC MYLAR $\pm 10\%$	T15	95-2335	POWER TRANSFORMER
C82	22-3595	.33 MFD DISC MYLAR $\pm 10\%$	X1	103-23	DIODE
C83	22-3255	330 PF DISC $\pm 10\%$	X2	103-23	DIODE
C84	22-3255	330 PF DISC $\pm 10\%$	X3	212-61	RECTIFIER
C85	22-4110	.033 MFD MYLAR $\pm 10\%$	X4	212-61	RECTIFIER
C86	22-4110	.033 MFD MYLAR $\pm 10\%$	X5	103-96	DIODE (ZENER)
C87	22-3595	.33 MFD MYLAR $\pm 10\%$	X6	103-23	DIODE
C88	22-3595	.33 MFD MYLAR $\pm 10\%$			
C89	22-5018	.47 MFD MYLAR $\pm 10\%$			
C90	22-5018	.47 MFD MYLAR $\pm 10\%$			
C91	22-3630	.068 MFD MYLAR $\pm 10\%$			
C92	22-3630	.068 MFD MYLAR $\pm 10\%$			
C93	22-2884	5 MFD ELECTROLYTIC			
C94	22-2884	5 MFD ELECTROLYTIC			
C95	22-3255	330 PF DISC $\pm 10\%$			
C96	22-3255	330 PF DISC $\pm 10\%$			
C97	22-4110	.033 MFD MYLAR $\pm 10\%$			
C98	22-4110	.033 MFD MYLAR $\pm 10\%$			
C99	22-4628	2 x 100 MFD ELECTROLYTIC			
C100	22-5011	500 ELECTROLYTIC			
C101	22-5011	500 ELECTROLYTIC			
C102					
C103A		300 ELECTROLYTIC			
C103B	22-5162	500 ELECTROLYTIC			
C103C		500 ELECTROLYTIC			
C104	22-3879	1000 MFD ELECTROLYTIC			
C105	22-4343	.047 MFD			
C106					
C107	22-5187	.0047 MFD DISC			
C108	22-2655	.01 MFD DISC $\pm 10\%$			
C109	22-18	.0022 MFD DISC $\pm 10\%$			
C110	22-18	.0022 MFD DISC $\pm 10\%$			
C111	22-3826	.022 MFD DISC $\pm 10\%$			
C112	22-3034	.05 MFD DISC			
C113	22-3678	.047 MFD $\pm 10\%$			
C114	22-3678	.047 MFD $\pm 10\%$			
C115					
C116	22-5167	1000 MFD ELECTROLYTIC			
R1	63-6376	POTENTIOMETER			
R2	63-3238	POTENTIOMETER (MUTING)			
R3					

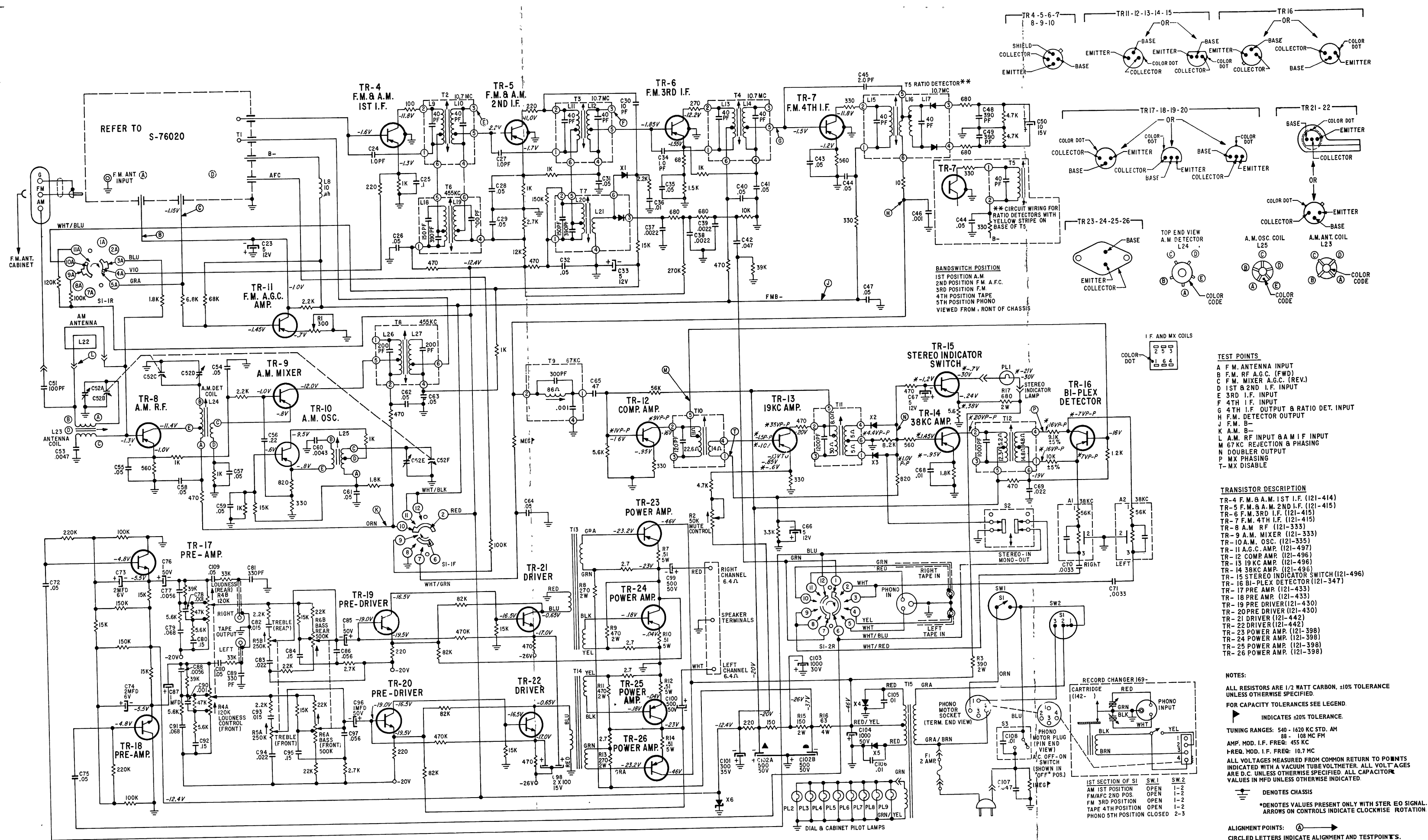


N.O.	PART N.	DESCRIPTION	REQ'D
TR-4	121-414	A.M. FM. 1ST I.F.	1
TR-5	121-415	A.M. FM. 2ND I.F.	1
TR-6	121-415	3RD F.M. I.F.	3
TR-7	121-415	4TH F.M. I.F.	1
TR-8	121-333	A.M. R.F.	2
TR-9	121-333	A.M. MIXER	1
TR-10	121-335	A.M. OSCILLATOR	1
TR-11	121-497	A.G.C. AMP	1
TR-12	121-496	COMPOSITE AMP	1
TR-13	121-496	19KC AMP	4
TR-14	121-496	38KC AMP	1
TR-15	121-496	STEREO IND. CONTROL	1
TR-16	121-347	BI-PLEX DET.	1
TR-17	121-306	PRE AMP	2
TR-18	121-306	PRE AMP	2
TR-19	121-305	PRE-DRIVER	2
TR-20	121-305	PRE-DRIVER	2
TR-21	121-399	DRIVER	2
TR-22	121-399	DRIVER	2
TR-23	121-398	POWER AMP	4
TR-24	121-398	POWER AMP	4
TR-25	121-398	POWER AMP	4
TR-26	121-398	POWER AMP	4

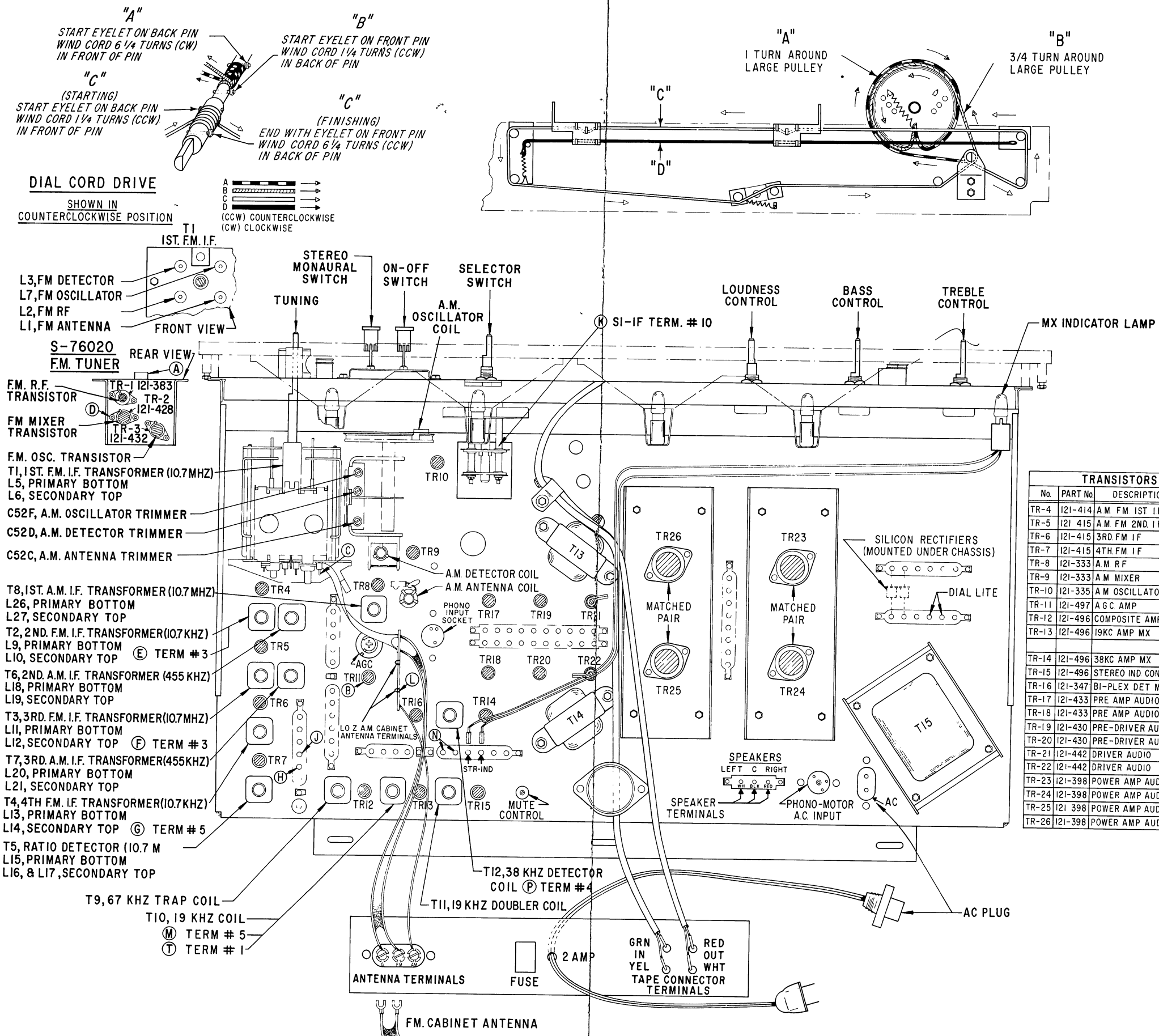
TEST POINTS
A F.M. ANTENNA INPUT
B F.M. R.F. A.G.C. (FWD)
C F.M. MIXER A.G.C. (REV)
D 1st & 2nd I.F. INPUT
E F.M. DET. OUTPUT
F F.M. B-
G A.M. B-
H A.M. R.F. INPUT + and
I A.M. I.F. INPUT
J 67KC REJECTION and PHASING
K DOUBLER OUTPUT
L PHASING

(1st & 2nd I.F. INPUT)
* MIXER EMITTER TEST POINT
BROUGHT OUT OF SOCKET EYELET

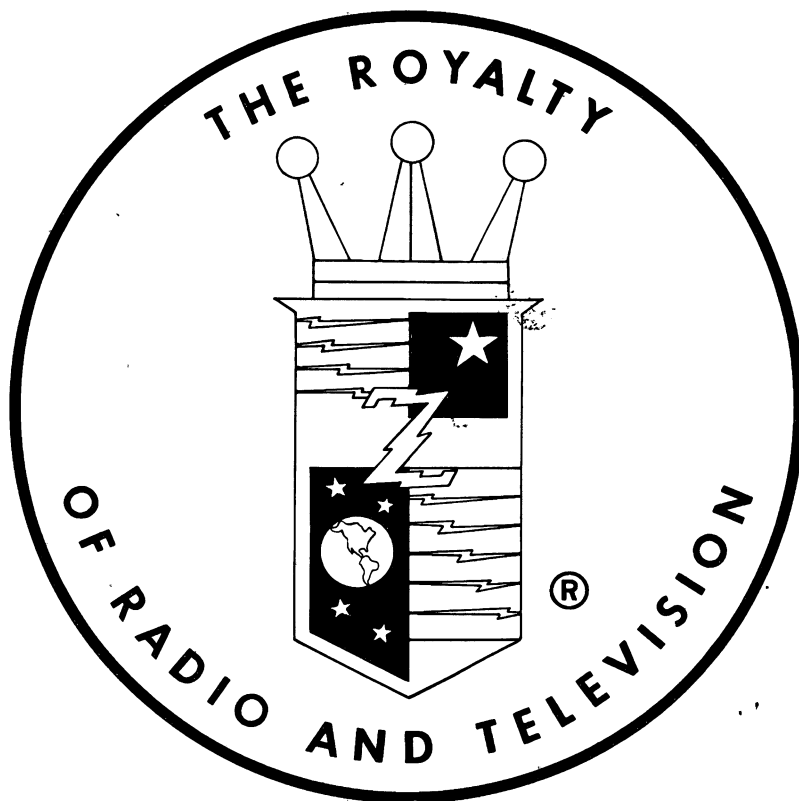




ITEM NO.	PART NO.	DESCRIPTION	ITEM NO.	PART NO.	DESCRIPTION
C23	22-2884	5 MFD ELECTROLYTIC	R9	63-5656	470 OHMS ±10%
C24	22-2720	1 PF GIMMICK ±10%	R10	63-5305	.51 OHMS ±10%
C25	22-3652	.1 MFD DISC	R11	63-5656	470 OHMS ±10%
C26	22-3034	.05 MFD DISC	R12	63-5305	.51 OHMS ±10%
C27	22-2720	1 PF GIMMICK ±10%	R13	63-4671	270 OHMS ±10%
C28	22-3034	.05 MFD DISC	R14	63-5305	.51 OHMS ±10%
C29	22-3034	.05 MFD DISC	R15	63-5635	150 OHMS ±10%
C30	22-3675	10 PF DISC ±5%	R16	63-4843	63 OHMS ±10%
C31	22-3034	.05 MFD DISC	R17	63-5663	680 OHMS ±10%
C32	22-3034	.05 MFD DISC			
C33	22-2884	5 MFD ELECTROLYTIC	L8	20-2033	R.F. CHOKE COIL
C34	22-2720	1 PF GIMMICK ±10%	L9	IN T2	2ND I.D. TRANSFORMER (FM) PRI.
C35	22-3034	.05 MFD DISC	L10	IN T2	2ND I.F. TRANSFORMER (FM) SEC.
C36	22-3	.01 MFD DISC	L11	IN T3	3RD I.F. TRANSFORMER (AM) PRI.
C37	22-18	.0022 MFD DISC ±10%	L12	IN T3	3RD I.F. TRANSFORMER (FM) SEC.
C38	22-18	.0022 MFD DISC ±10%	L13	IN T4	4TH I.F. TRANSFORMER (FM) PRI.
C39	22-18	.0022 MFD DISC ±10%	L14	IN T4	4TH I.F. TRANSFORMER (FM) SEC.
C40	22-3034	.05 MFD DISC	L15	IN T5	RATIO DETECTOR TRANSFORMER PRI.
C41	22-3034	.05 MFD DISC	L16	IN T5	RATIO DETECTOR TRANSFORMER SEC.
C42	22-4343	.047 MFD	L17	IN T6	RATIO DETECTOR TRANSFORMER 3RD
C43	22-3034	.05 MFD DISC	L18	IN T6	2ND I.F. TRANSFORMER (AM) PRI.
C44	22-3034	.05 MFD DISC	L19	IN T6	2ND I.F. TRANSFORMER (AM) SEC.
C45	22-2434	2 PF GIMMICK ±10%	L20	IN T7	3RD I.F. TRANSFORMER (AM) PRI.
C46	22-2729	.001 MFD DISC	L21	IN T7	3RD I.F. TRANSFORMER (FM) SEC.
C47	22-3034	.05 MFD DISC	L22	S-64803	AM ANTENNA (CABINET)
C48	22-3177	390 PF DISC ±10%	L23	S-74470	ANTENNA COIL ASSEMBLY (AM)
C49	22-3177	390 PF DISC ±10%	L24	S-75770	DETECTOR COIL ASSEMBLY (AM)
C50	22-3448	10 MFD ELECTROLYTIC	L25	S-75771	OSCILLATOR COIL ASSEMBLY (AM)
C51	22-9	100 PF DISC ±10%	L26	IN T8	1ST I.F. TRANSFORMER (AM) PRI.
C52A		ANTENNA TUNING	L27	IN T8	1ST I.F. TRANSFORMER (AM) SEC.
C52B		ANTENNA TRIMMER			
C52C	22-4776	DETECTOR TUNING	A1	105-93	38 KC FILTER
C52D		DETECTOR TRIMMER	A2	105-93	38 KC FILTER
C52E		OSCILLATOR TUNING	F1	136-66	2 AMP. FUSE
C52F		OSCILLATOR TRIMMER			
C53	22-3944	.0047 MFD DISC	PL1	100-384	STEREO INDICATOR LIGHT
C54	22-3034	.05 MFD DISC	PL2	100-249	PILOT LIGHT #1847
C55	22-3034	.05 MFD DISC	PL3	100-249	PILOT LIGHT #1847
C56	22-3527	.05 MFD DISC	PL4	100-249	PILOT LIGHT #1847
C57	22-3034	.05 MFD DISC	PL5	100-249	PILOT LIGHT #1847
C58	22-3034	.05 MFD DISC	PL6	100-414	FROSTED BULB PILOT
C59	22-3034	.05 MFD DISC	PL7	100-414	FROSTED BULB PILOT
C60	22-4665	.0043 MFD MICA	PL8	100-414	FROSTED BULB PILOT
C61	22-3034	.05 MFD DISC	PL9	100-414	FROSTED BULB PILOT
C62	22-3034	.05 MFD DISC			
C63	22-3034	.05 MFD DISC	S1	85-980	FIVE POSITION BANDSWITCH
C64	22-3034	.05 MFD DISC	S2	85-981	STEREO MONAURAL SWITCH
C65	22-5018	.47 MFD MYLAR ±10%	S3	85-979	A.C. SWITCH
C66	22-2884	5 MFD ELECTROLYTIC	SW1		PART OF 85-980 BAND SWITCH
C67	22-2884	5 MFD ELECTROLYTIC	SW2		
C68	22-3010	.01 MFD DISC	T1	95-2328	2ND I.F. TRANSFORMER (FM)
C69	22-3826	.022 MFD MYLAR ±10%	T2	95-2387	3RD I.F. TRANSFORMER (FM)
C70	22-13	.0033 MFD DISC	T3	95-2328	4TH I.F. TRANSFORMER (FM)
C71	22-13	.0033 MFD DISC	T4	95-2328	4TH I.F. TRANSFORMER (FM)
C72	22-3034	.05 MFD DISC	T5	95-2324	RATIO DETECTOR TRANSFORMER
C73	22-3670	2 MFD ELECTROLYTIC	T6	95-2326	2ND I.F. TRANSFORMER (AM)
C74	22-3670	2 MFD ELECTROLYTIC	T7	95-2327	3RD I.F. TRANSFORMER (AM)
C75	22-3034	.05 MFD DISC	T8	95-2325	1ST AM I.F. TRANSFORMER
C76	22-3687	1 MFD ELECTROLYTIC	T9	95-2316	TRAP COIL 67 KC
C77	22-5429	.0056 MFD CAP.	T10	95-2316	19 KC MULTIPLEX TRANSFORMER
C78	22-3748	.001 MFD CAP.	T11	95-2313	19 KC DOUBLER TRANSFORMER
C79	22-3630	.068 MFD CAP.	T12	95-2314	38 KC DETECTOR TRANSFORMER
C80	22-5012	.15 MFD CAP.	T13	95-2559	DRIVER TRANSFORMER
C81	22-3255	330 PF DISC	T14	95-2559	DRIVER TRANSFORMER
C82	22-3599	.015 MFD DISC	T15	95-2518	POWER TRANSFORMER
C83	22-3826	.022 MFD DISC	X1	103-23	DIODE
C84	22-5012	.15 MFD CAP.	X2	103-23	DIODE
C85	22-3687	1 MFD ELECTROLYTIC	X3	103-23	DIODE
C86	22-5439	.056 MFD CAP.	X4	212-61	RECTIFIER
C87	22-3687	1 MFD ELECTROLYTIC	X5	212-61	RECTIFIER
C88	22-5429	.0056 MFD CAP.	X6	103-96	ZENER DIODE
C89	22-3255	330 PF DISC			
C90	22-3748	.001 MFD DISC			
C91	22-3630	.068 MFD CAP.			
C92	22-5012	.15 MFD CAP.			
C93	22-3599	.015 MFD DISC			
C94	22-3826	.022 MFD CAP.			
C95	22-5012	.15 MFD CAP.			
C96	22-3687	1 MFD ELECTROLYTIC			
C97	22-5439	.056 MFD CAP.			
C98	22-5430	2 x 100 MFD ELECTROLYTIC			
C99	22-5316	500 MFD ELECTROLYTIC			
C100	22-5316	500 MFD ELECTROLYTIC			
C101	22-5315	300 MFD ELECTROLYTIC			
C102A	22-5431	2 x 300 MFD ELECTROLYTIC			
C102B	22-5167	1000 MFD ELECTROLYTIC			
C103	22-5167	1000 MFD ELECTROLYTIC			
C104	22-5362	1000 MFD ELECTROLYTIC			
C105	22-3	.01 MFD DISC			
C106	22-3	.01 MFD DISC			
C107	22-5460	.0047 MFD DISC			
C108	22-3512	.01 MFD DISC			
R1	63-6376	300 POTENTIOMETER			
R2	63-3238	50K POTENTIOMETER (MUTING)			
R3	63-5652	390 OHMS ±10%			
R4B	63-7091	LOUDNESS CONTROL (REAR)			
R4A	63-7089	LOUDNESS CONTROL (FRONT)			
R5B	63-7089	TREBLE CONTROL (REAR)			
R5A	63-7089	TREBLE CONTROL (FRONT)			
R6B	63-7090	BASS CONTROL (REAR)			
R6A	63-7090	BASS CONTROL (FRONT)			
R7	63-5305	.51 OHMS ±10%			
R8	63-4671	270 OHMS ±10%			



26YT21 CHASSIS LAYOUT



ZENITH RADIO CORPORATION

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