



PHOTOFACT[®] with

CIRCUITRACE[®]

TRADE NAME:

General Electric Models TD155, TD200-1/-2,
TP1200BWD-A (Deck TD200-1, Ch. T7T)
TP1300BWD-A (Deck TD200-2, Ch. T20T)

SUPPLIER:

For Current Address, See Annual Index

TYPE SET:

3-Speed, 4-Track Monaural/Stereo
Recorders

POWER SUPPLY:

110 - 120 Volts AC, 60 Cycles

RATING:

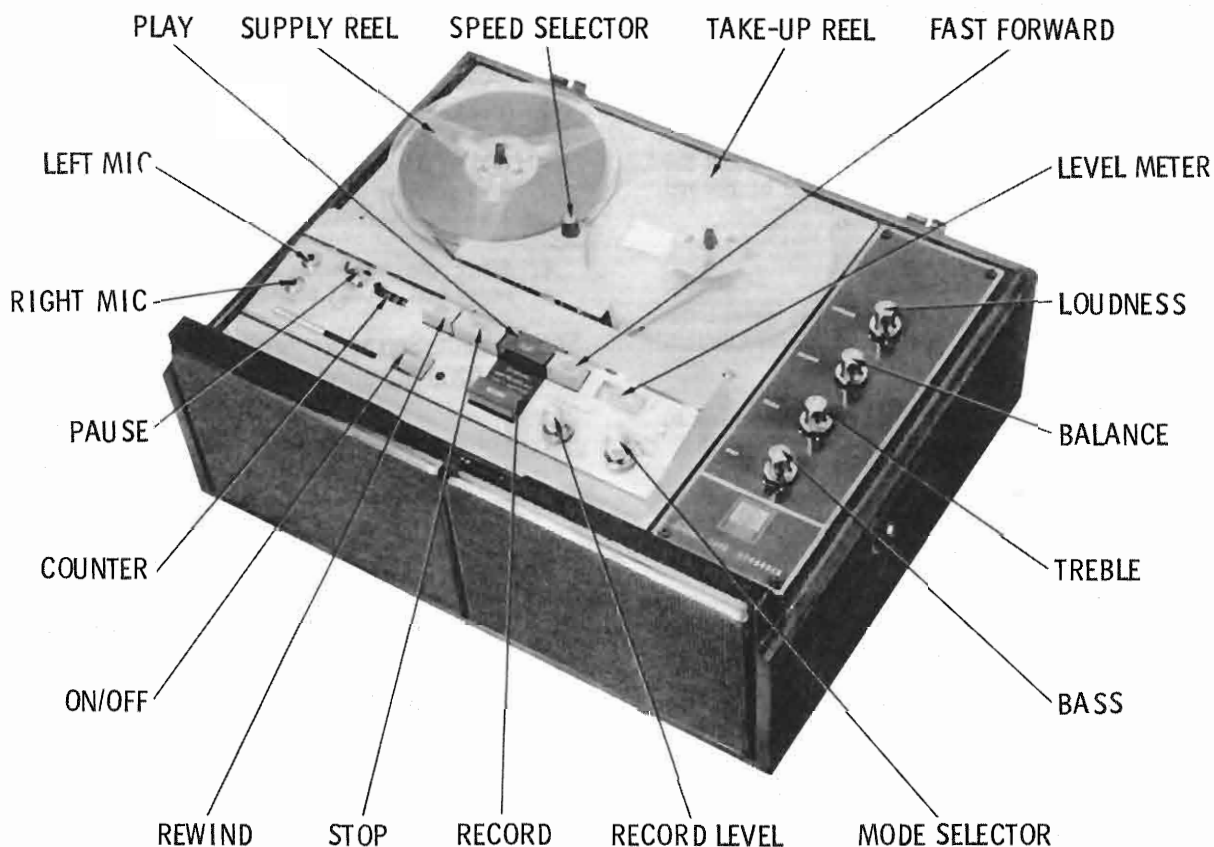
50 Watts, .70 Amp. @ 117VAC
(Record with Motor)
46 Watts, .68 Amp. @ 117VAC
(Play with Motor)

These units are four-track monaural/stereo recorders having three speeds: 1 7/8, 3 3/4, and 7 1/2 ips. Sound-With-Sound recordings can be made with units using tape deck Models TD200-1/2.

Deck Models TD155, TD200-1/2 require an external amplifier/speaker system for playback.

Jacks are provided for both low- and high-level inputs and playback. Models TP1200BWD-A, and TP1300BWD-A have external speaker jacks.

A power source of 110-120 volts AC, 60 cycles is required.



GENERAL ELECTRIC MODELS TD155, TD200-1/-2, TP1200BWD-A, TP1300BWD-A

HOWARD W. SAMS & CO., INC. Indianapolis, Indiana 46206

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OPERATING INSTRUCTIONS

Four-Track Monaural Recording

1. Press Stop button, turn on the unit, select the speed, thread the tape, and move the Monitor switch to Off.
2. (Decks TD200-1/2 only) Turn Mode Selector to Left Mono.
3. Connect a source to a left input, set Impedance switch for proper aux. input, and adjust Record Level control to MINIMUM.
4. Move Pause knob to On, hold Record button down while pressing Play button, set the recording level for a normal indication on Level Meter, move Pause knob to Off, and record.
5. After recording track 1, reverse and invert the reels and repeat steps 1 through 4 to record track 4.
6. After recording track 4, reverse and invert the reels and repeat step 1.
7. (Decks TD200-1/2 only) Turn Mode Selector to Right Mono.
8. Connect a source to a right input and adjust Record Level control to MINIMUM.
9. Move Pause knob to On, hold Record button down while pressing Play button, set the recording level, and move Pause knob to Off to record.
10. After recording track 3, reverse and invert the reels and repeat steps 1, 7, 8 and 9 to record track 2.

Four-Track Monaural Play

1. Press Stop button, turn on the unit, select the speed, thread the tape, and move Speaker Switch to On.
2. (Decks TD200-1/2 only) Turn Mode Selector to Left Mono.
3. Turn Balance control counterclockwise, press Play button and set Volume, Treble, and Bass controls as desired.
4. After playing track 1, reverse and invert the reels and repeat steps 1 through 3 to play Track 4.
5. After playing track 4, reverse and invert the reels and repeat step 1.
6. (Decks TD200-1/2 only) Turn Mode Selector to Right Mono.

7. Turn Balance control clockwise, press Play button and set Volume, Treble, and Bass controls as desired.
8. After playing track 3, reverse and invert the reels and repeat steps 1, 6 and 7 to play track 2.

Stereo Recording

1. Press Stop button, turn on the unit, select the speed, thread the tape and move Monitor switch to Off.
2. Turn Mode Selector to Stereo.
3. Connect sources to left and right inputs, set Impedance switch for proper Aux. input, and set the recording level to MINIMUM.
4. Move Pause knob to On, hold Record button down while pressing Play button, set the recording level, and move Pause knob to Off and record.
5. After recording side 1, reverse and invert the reels and repeat steps 1 through 4 to record side 2.

Stereo Play

1. Press Stop button, turn on the unit, select the speed, thread the tape, and move Speaker switch to On.
2. (Decks TD200-1/2 only) Turn Mode Selector to Stereo.
3. Press Play button and set Balance, Bass, Treble, and Volume controls as desired.
4. After playing side 1, reverse and invert the reels and repeat steps 1, 2 and 3 to play side 2.

Sound-With-Sound Recording

(Decks TD200-1/2 only)

1. Follow steps 1 through 3 of "Four-Track Monaural Recording" and make a recording on track 1.
2. Rewind the tape, turn Mode Selector to Add Sound, move Pause knob to Off, hold Record button down while pressing Play button, set the recording level, and move Pause knob to On to record on track 3 while listening to track 1.

Sound-With-Sound Play (Decks TD200-1/2 only)

1. Follow steps 1, 2, and 3 of "Stereo Play" procedure.

DISASSEMBLY

Model TP1200WD-A

1. Remove four amplifier knobs.
2. Remove six screws from amplifier escutcheon.

3. Remove two screws from rear of cabinet holding jack panel.
4. Remove four large Phillips screws from tape deck.

5. Lift deck from rear edge and disconnect speakers.

6. Remove deck and chassis assembly.

Model TP1300WD-A

1. Remove two Phillips screws from rear of cabinet holding jack panel.

2. Remove three large Phillips screws from top of rear of cabinet.

3. Remove two Phillips screws at left side of deck board.

4. Lift rear of deck board to remove deck and amplifier assembly.

SEQUENCE OF OPERATION

Play

Pressing the Play/Record button moves a plunger, compressing Spring (27) to move Base (28). Base (28) moves Roller (1) and moves Pads (13) and (23), pulled by Spring (24). Base (28) also pivots Lifter (33) to allow Pad (14) to be turned by Spring (15).

The Play/Record button pivots Lever (51), actuating Assembly (49).

The motor, through Belt (3), Assembly (49), Felt (48), and Assembly (47), turns Disc (22). Disc (22) drives Disc (9), through the recording tape, to rotate Assembly (45). Assembly (45) moves Plate (43), through Washer (44), to rotate Assembly (45). Assembly (45) moves Plate (43) through Washer (44), to slide Lever (37).

Bar (70) releases the Stop button which moves Pivot (72) to release Lever (31), pulled by Spring (29), to pivot Assemblies (16).

Fast Forward

Pressing the Fast Forward button moves Assembly (51) to actuate Assembly (49).

The motor, through Belt (3), Assembly (49), Felt (48), and Assembly (47), turns Disc (22). Disc (22) drives Disc (9), through the recording tape, to

rotate Assembly (45). Assembly (45) moves Plate (43) through Washer (44) to slide Lever (37).

Bar (70) releases the Stop button which moves Pivot (72) to release Lever (31), pulled by Spring (29), to pivot Assemblies (16).

Rewind

Pressing the Rewind button moves Pivot (73) pulling Spring (35) to move Actuator (36), moving Driver (20) and pressing Belt (4) against Disc (9).

The motor, through Pulley (52) and Belt (4), drives Disc (9). Disc (9) rotates Assembly (45), moving Plate (43) through Washer (44) to slide Lever (37).

Bar (70) releases the Stop button which moves Pivot (72) to release Lever (31), pulled by Spring (29), to pivot Assemblies (16).

Stop

Pressing the Stop button moves Pivot (72) which pulls Lever (31) to release Assemblies (16), pulled by Spring (30).

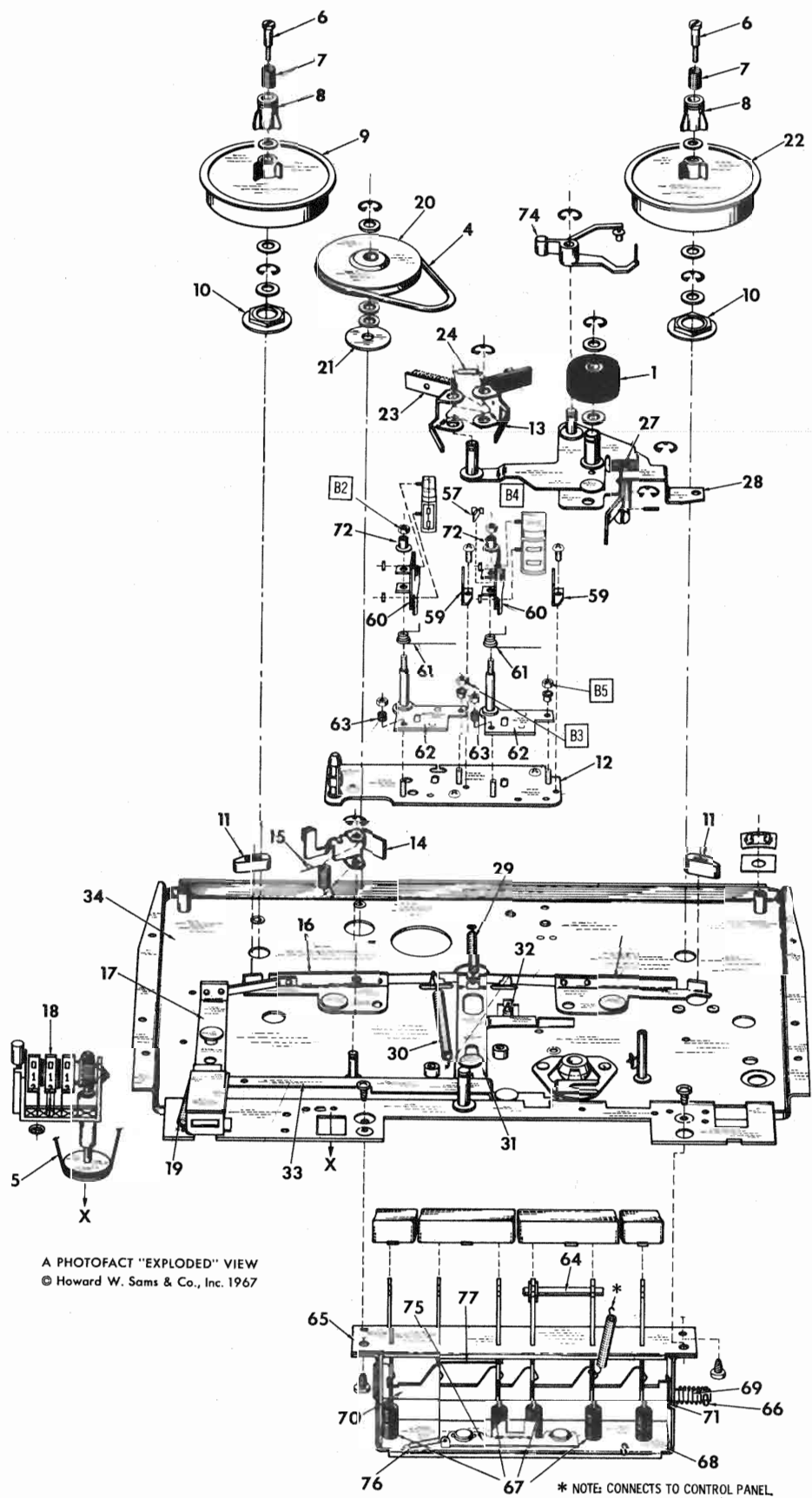
Bar (70) releases any depressed button, reversing the sequence of the previously selected function.

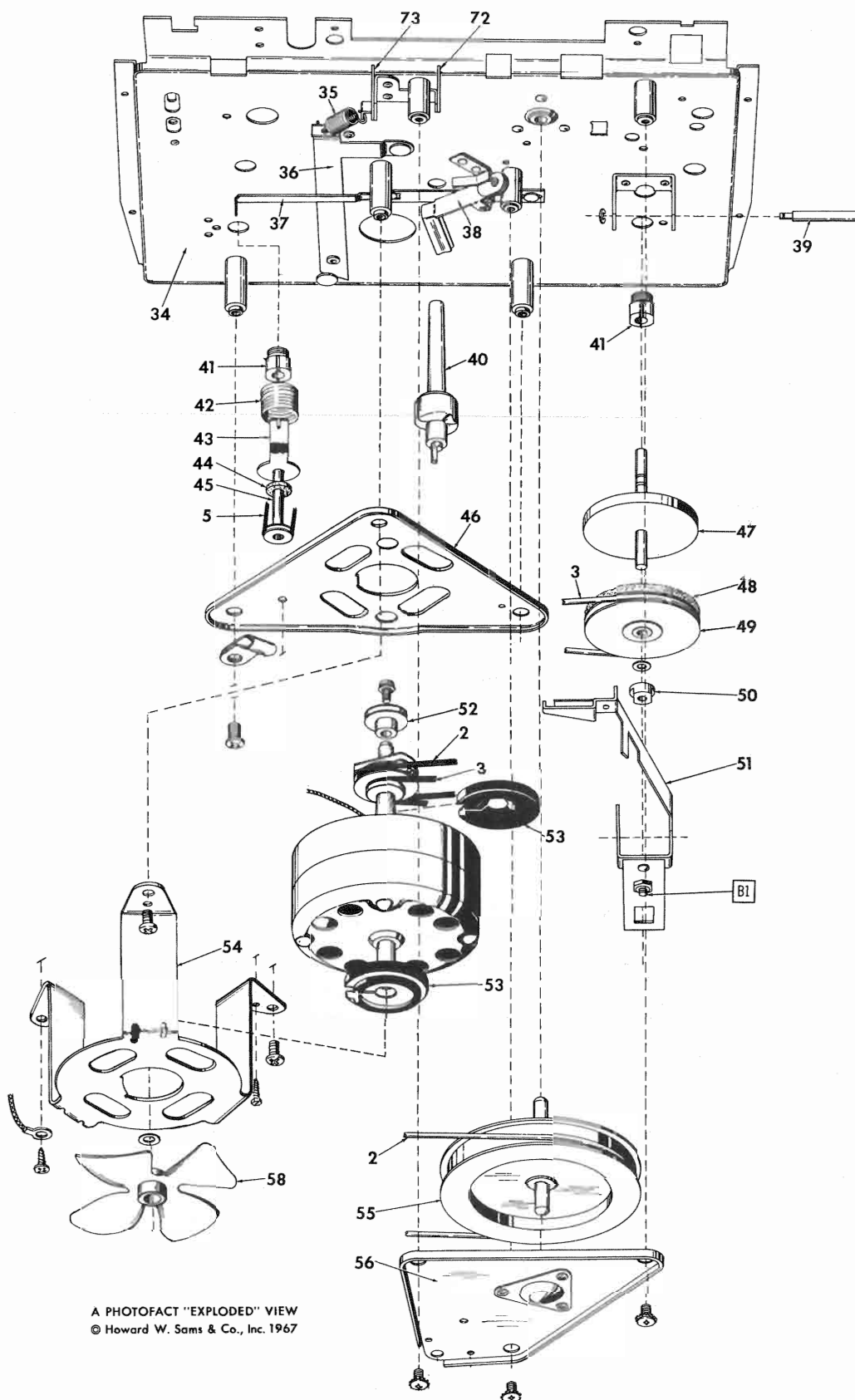
TROUBLE CHART

IMPORTANT: Before consulting this chart be sure all servicing procedures listed on page 4 have been followed.

SYMPTOM	REMARKS
Take-up reel revolves erratically, or not at all in Play, Record, or Fast Forward.	<ol style="list-style-type: none"> 1. Clutch Belt (3) dirty, worn, or broken. 2. Capstan Belt (2) dirty, worn, or broken. 3. Clutch Felt Pad (48) dirty or worn. 4. Pause knob not released. 5. Brake Release Lever Spring (29) weak, broken, or missing.
Take-up reel revolves rapidly in Play or Record.	<ol style="list-style-type: none"> 1. Pressure Roller Spring (27) weak. 2. Pressure Roller (1) dirty or worn. 3. Pressure Roller Base Assembly (28) binding.
Supply reel does not revolve in Rewind.	<ol style="list-style-type: none"> 1. Rewind Pulley (52) loose. 2. Rewind Belt (4) dirty or worn. 3. Rewind Actuator Spring (35) weak or loose.

GENERAL ELECTRIC MODELS TD155, TD200-1/-2, TP1200BWD-A, TP1300BWD-A





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TROUBLE CHART(Continued)

SYMPTOM	REMARKS
Supply reel spills tape when stopping from Forward or Take-up reel spills tape when stopping from Rewind.	<ol style="list-style-type: none"> 1. Drag Plate Washer (44) dirty or worn. 2. Drag Plate Spring (42) weak or broken. 3. Memory Brake Lever (37) binding.
Reels do not stop immediately when Stop button is pressed.	<ol style="list-style-type: none"> 1. Brake Bands (11) dirty or worn. 2. Brake Arm Spring (30) weak or loose. 3. Brake Assembly (16) (whichever should contact a reel disc) not clearing Brake Release Lever (31).
Tape rides up and down between capstan and pressure roller.	<ol style="list-style-type: none"> 1. Pressure Roller (1) and capstan dirty. 2. Pressure Roller (1) and capstan not parallel. 3. Tape physically distorted.
Wow or Flutter.	<ol style="list-style-type: none"> 1. Flywheel Belt (2) dirty or weak. 2. Pressure Roller (1) dirty or worn. 3. Pressure Pad Assemblies (13, 23) dirty or worn. 4. Head Nest Spring (57) missing. 5. Motor (M3) defective.
Sound is weak or distorted.	<ol style="list-style-type: none"> 1. Record/Play Head (M1) dirty, worn, or misadjusted. 2. Pressure Pad Spring (24) weak or missing.

ADJUSTMENTS

IMPORTANT: Before making any adjustments, refer to "General Servicing Information" on page 4.

1. All voltage measurements are made at a tape speed of 7 1/2 ips with an audio VTVM having a flat response to 100KC.
2. All torque measurements are made at a tape speed of 7 1/2 ips with a spring scale applied to a point on an empty tape reel 2 inches from reel center.
3. All pressure measurements are made by using a spring scale to determine that point at which pressure is just removed.

ADJUST	REMARKS
Play Take-up Torque	Adjust B1 for 2 to 3 ounces. Compromise as necessary.
Fast Forward Take-up Torque	Adjust B1 for over 5 1/2 ounces. Compromise as necessary.
Rewind Torque	No adjustment provided. Nominal value 7 ounces.
Supply Reel Drag	No adjustment provided. Nominal value 1/2 ounce, measured in Forward.
Take-up Reel Drag	No adjustment provided. Nominal value 2/3 ounce, measured in Rewind.
Pressure Roller Pressure	No adjustment provided. Nominal value 2 to 5 pounds.
Brake Shoe Pressure ①	No adjustment provided. Nominal value 9 ounces, measured at point of contact in Stop.
Pause Brake Shoe Pressure	No adjustment provided. Direct contact.
Pressure Pad Pressure	No adjustment provided. Nominal value 1/2 ounce, measured at point of contact.
Erase Head Height	Adjust E2 until top of upper pole piece is even with top edge of a properly threaded tape.

ADJUSTMENTS (Continued)

ADJUST	REMARKS
Erase Head Azimuth	Adjust B3 until the pole piece is perpendicular to the lateral tape motion.
Record/ Play Head Height	Play a 2-frequency, height test tape and monitor the appropriate output. Adjust B4 for equal output voltage for each frequency.
Record/ Play Head Azimuth	Play an azimuth test tape and monitor the appropriate output. Adjust B5 for maximum output voltage.
Erase Current	No adjustment provided. Nominal current 30ma (.3V rms) across a 10Ω non-inductive resistor in series with each section of the erase head.
Record Bias	Adjust C25(C26) for 7V rms across a 10Ω resistor in series with each section of the record/play head.
Bias Oscillator	No adjustment provided. Nominal frequency is 90KC.
Record Level Indicator Calibration	No adjustment provided. Normal peak level should be indicated when 30 to 50 MV rms is measured across a 560Ω resistor connected from the high side of the upper (lower) section of the record/play head to ground with the meter pilot bulb removed to disable the bias oscillator.

- ① Memory Brake Lever (37) allows Brake (16) to contact only the left Reel Disc (9) when stopping from forward modes and only the right Reel Disc (22) when stopping from rewind. The brake, contacting a Reel Disc (9) or (22), should clear Brake Release Lever (31) by at least 1/32 inch.

CLEANING

LUBRICATING

HEAD DEMAGNETIZING

Refer to "General Servicing Information" on page 4.

MECHANICAL PARTS LIST

Note: Part Numbers for Models TD200-1/-2 in Parenthesis.

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1*	EA1221 *	*Pressure Roller	14		Drag Pad Assembly
	(EA40X13)		15		Drag Pad Spring
2*	EA1240 *	*Capstan Belt	16		Rewind & Take-up Brake Ass'y.
	(EA40X41)		17		Pause Lever
3*	EA1234 *	*Clutch Belt	18	EA1216	Counter
	(EA40X36)			(EA40X52)	
4*	EA1227 *	*Rewind Belt	19		Pause Lever Spring
	(EA40X16)		20	EA1228	Rewind Driver
5*	EA1241 *	*Counter Belt		(EA40X15)	
	(EA40X26)		21	EA1230	Flat Washer
6	EA1213	Reel Disc Screw		(EA40X19)	
	(EA40X1)		22	EA1215	Reel Disc
7	EA1223	Reel Hold-down Spring		(EA40X55)	
	(EA40X2)		23		Erase Pressure Pad Assembly
8	EA1214	Reel Hold-down	24	(EA40X9)	Pressure Pad Spring
	(EA40X54)		27	EA1222	Pressure Roller Spring
9	EA1215	Reel Disc		(EA40X14)	
	(EA40X55)		28		Pressure Roller Base Ass'y.
10		Reel Bearing Palnut	29	EA1592	Brake Release Lever Spring
11	EA1225	Brake Band	30	EA1591	Brake Arm Spring
	(EA40X25)		31		Brake Release Lever
12		Head Plate Assembly	32	EA1593	Speed Change Lever Spring
13		Record/Play Pressure Pad Ass'y	33		Pressure Roller Lifter

GENERAL ELECTRIC MODELS TD155, TD200-1/-2, TP1200BWD-A, TP1300BWD-A

MECHANICAL PARTS LIST (Continued)

Ref. No.	Part No.	Description
38		Speed Change Lever
39		Fast Forward Pivot Pin
40		Speed Shift Cam
41		Reel Bearing
42	(EA40X32)	Drag Plate Spring
43		Drag Plate
44		Drag Plate Washer
45	EA1242 (EA40X33)	Pulley & Shaft Assembly
46		Motor Mounting Plate
47	EA1233 (EA40X34)	Clutch Disc & Shaft Assembly
48	EA1235 (EA40X35)	Clutch Felt Pad
49	EA1236 (EA40X37)	Clutch Pulley Assembly
50	EA1237 (EA40X38)	Clutch Bearing
51	EA1238 (EA40X39) (EA40X40)	Clutch Lever Assembly
52	(EA40X42)	Rewind Pulley
53		Split Grommet
54		Motor Mounting Bracket
55	EA1255 (EA40X45)	Flywheel Assembly

* Pressure Roller — WALSCO #1499-06

* Counter Belt — WALSCO #1410-61

* Rewind Belt — WALSCO #1410-52

Ref. No.	Part No.	Description
56		Bearing Plate
57	(EA40X21)	Head Nest Spring
58	EA1243 (EA40X44)	Fan
59		Tape Guide
60		Head Bracket
61		Head Height Spring
62		Head Base Assembly
63		Azimuth Spring
64		Guide Pivot Pin
65		Upper Guide Plate
66		Latching Bar Pin
67		Button Springs
68		Lower Guide Plate
69		Latch Spring
70		Latch Bar
71		Latch Bar Bumper
72		Brake Pivot
73		Rewind Pivot
74	EA1219 (EA40X7)	Shut-off Lever
75		Release Bar
76		Release Bar Spring
77		Brake Activating Pin

* Clutch Belt — WALSCO #1410-14

* Capstan Belt — WALSCO #1410-54

PARTS LIST AND DESCRIPTION

(When ordering parts, state Model, Part Number, and Description.)

GENERAL ELECTRIC MODELS TD200-1/-2,

TRANSISTORS

ITEM No.	ORIG. TYPE	USE	REPLACEMENT DATA				G. E. PART No.	NOTES
			DELCO PART No.	GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	RCA PART No.		
Q1	RS7410	Preamp.	DS-66	GE-10	TR-21	SK-3020	EA1128	NPN
Q2	RS7410	AF Amp.	DS-66	GE-10	TR-21	SK-3020	RS5857	NPN
Q3	RS7410	AF Amp.	DS-66	GE-10	TR-21	SK-3020	RS5857	NPN
Q4	RS7410	Preamp.	DS-66	GE-10	TR-21	SK-3020	EA1128	NPN
Q5	RS7410	AF Amp.	DS-66	GE-10	TR-21	SK-3020	RS5857	NPN
Q6	RS7410	AF Amp.	DS-66	GE-10	TR-21	SK-3020	RS5857	NPN
Q7	RS7620	Bias Osc. -Erase Osc.	DS-66	GE-10	TR-21	SK-3020	EA1148	NPN

POWER RECTIFIERS & SIGNAL DIODES

ITEM No.	MEASURED CURRENT	ORIGINAL Part or Type No.	RECTIFIERS & DIODES		RECTIFIERS	
			GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	RCA PART No.	SARKES TARZIAN PART No.
X1	.12 Amp.	EA6705	GE-504A ①	Q1BPT	SK-3016	
X2	.12 Amp.	EA1123	1N34AS	1N34		
X3		EA1123	1N34AS	1N34		

① 4 Required

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA						
		G. E. PART No.	AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.	SPRAGUE PART No.
C1A	400 35V	EA1196						PCL-3297
B	4400 35V	(133B9776-2)						
C	150 20V							
C2A	4400 25V	EA1197	PRS1290	EA30-500	BR500-25	QT1-31	PWP201, 13A	PCL-2232, 5
B	4400 25V	(133B9991-3)	PRS1280	EA30-250	BR250-25	QT1-28		
C3	2 50V	EA1114	CRE751A	EA50-2	NLW2-50	MT1-1	MTA2D50	TL-1301
		(112B3877-802)						
C4	2 50V	EA1114	CRE751A	EA50-2	NLW2-50	MT1-1	MTA2D50	TL-1301
		(112B3877-802)						
C5	2 50V	EA1114	CRE751A	EA50-2	NLW2-50	MT1-1	MTA2D50	TL-1301
		(112B3877-802)						
C6	100 25V	RS6798	CRE623A	EA30-100	NLW100-25	MT1-20	MTA100F35	TL-1211
		(112B3877-723)						
C7	2 50V	EA1114	CRE751A	EA50-2	NLW2-50	MT1-1	MTA2D50	TL-1211
		(112B3877-802)						
C8	2 50V	EA1114	CRE751A	EA50-2	NLW2-50	MT1-1	MTA2D50	TL-1211
		(112B3877-802)						
C9	2 50V	EA1114	CRE751A	EA50-2	NLW2-50	MT1-1	MTA2D50	TL-1211
		(112B3877-802)						
C10	2 50V	EA1114	CRE751A	EA50-2	NLW2-50	MT1-1	MTA2D50	TL-1211
		(112B3877-802)						
C11	2 50V	EA1114	CRE751A	EA50-2	NLW2-50	MT1-1	MTA2D50	TL-1211
		(112B3877-802)						
C12	100 25V	RS6798	CRE623A	EA30-100	NLW100-25	MT1-20	MTA100F35	TL-1211
		(112B3877-723)						
C13	2 50V	EA1114	CRE751A	EA50-2	NLW2-50	MT1-1	MTA2D50	TL-1211
		(112B3877-802)						
C14	2 50V	EA1114	CRE751A	EA50-2	NLW2-50	MT1-1	MTA2D50	TL-1211
		(112B3877-802)						

CAPACITORS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA					
			AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ELMENDO PART No.	MALLORY PART No.	SPRAGUE PART No.
C20	.001		D1-1000	DD-102	JBS601YP102K	CCD-102	GP210	10TS-D10
C21	.1 50V		DBE2P1		DMF2P1	2DP-3-104	PVC201	2PS-P10
C22	.0039 50V		DBE6D39	CPR-3900J	DPMS6D39	6DP-1-392	PVC6239	6PS-D39
C23	.033 50V		DBE4S33		DMF4S33	4DP-2-333	PVC6133	4PS-S33
C24	.0039 50V		DBE6D39	CPR-3900J	DPMS6D39	6DP-1-392	PVC6239	6PS-D39
C25	9-180	#EA1122				463		
C26	9-180	#EA1122				463		
C27	.018 5% 125V	#EA1121				CM-42-E-183J		
C28	.033 50V		DBE4S33		DMF4S33	4DP-2-333	PVC6133	4PS-S33
C29	.1 50V		DBE2P1		DMF2P1	2DP-3-104	PVC201	2PS-P10
C30	.0039 50V		DBE6D39	CPR-3900J	DPMS6D39	6DP-1-392	PVC6239	6PS-D39
C31	.033 50V		DBE4S33		DMF4S33	4DP-2-333	PVC6133	4PS-S33
C32	.0039 50V		DBE6D39	CPR-3900J	DPMS6D39	6DP-1-392	PVC6239	6PS-D39

G. E. Part Number.

CONTROLS

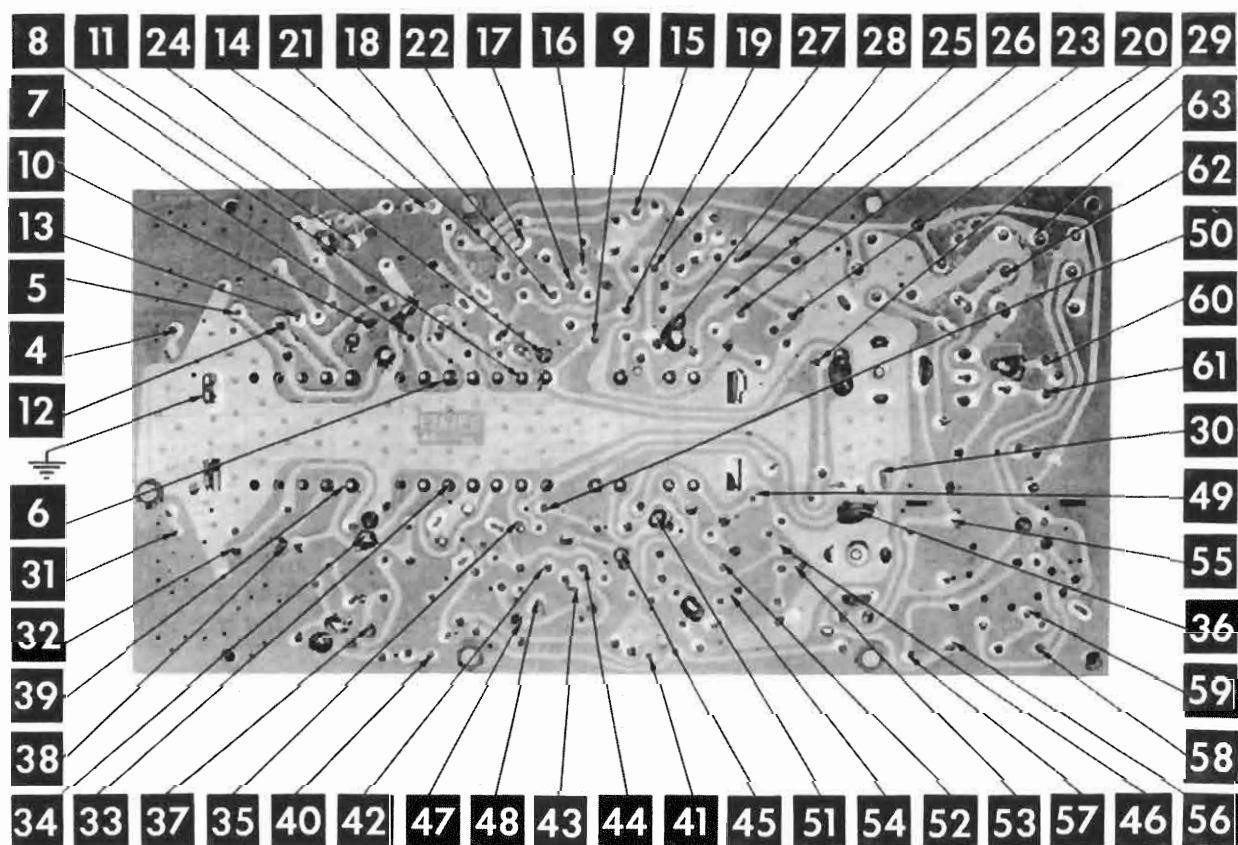
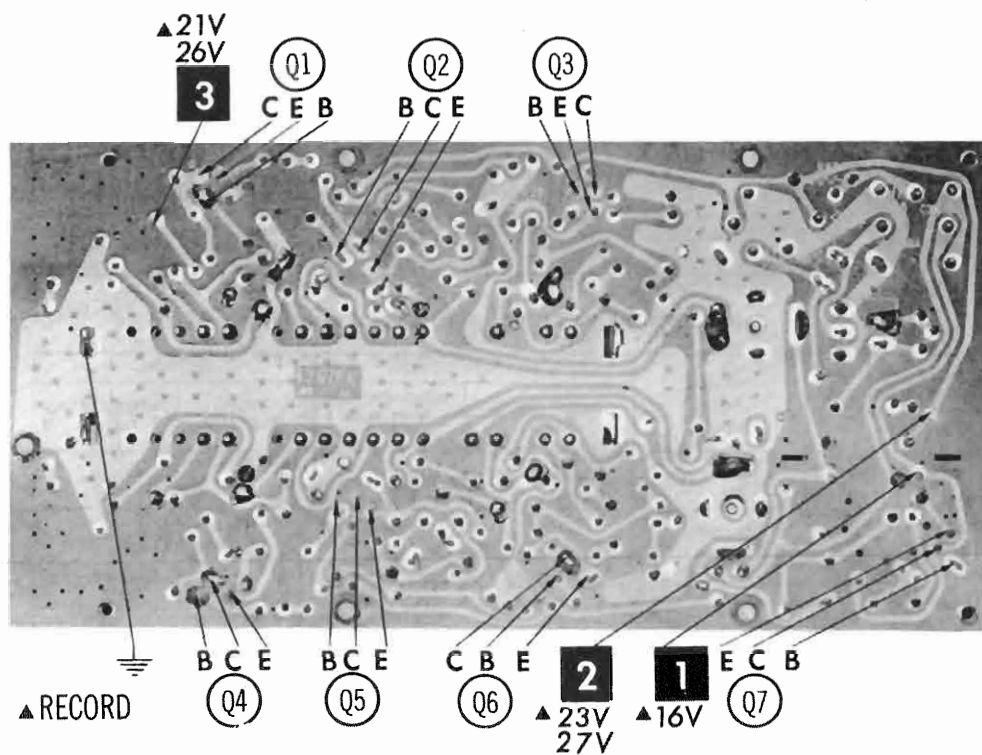
All wattages 1/2 watt, or less, unless otherwise listed.

ITEM No.	USE	RESISTANCE	REPLACEMENT DATA				
			G. E. PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS-IRC PART No.	MALLORY PART No.
R1A	Recording Level	100K	EA1203	F2-100K,		QCB2 ①,	
B	Recording Level	100K	(173A4034-3)	R2-100K, CPL2		B13-128,	
				SF106, BA008,		B13-128, TM5,	
				CA005		QCM	

① Use QCB2 instead of Tab Mount Plate in TM5.

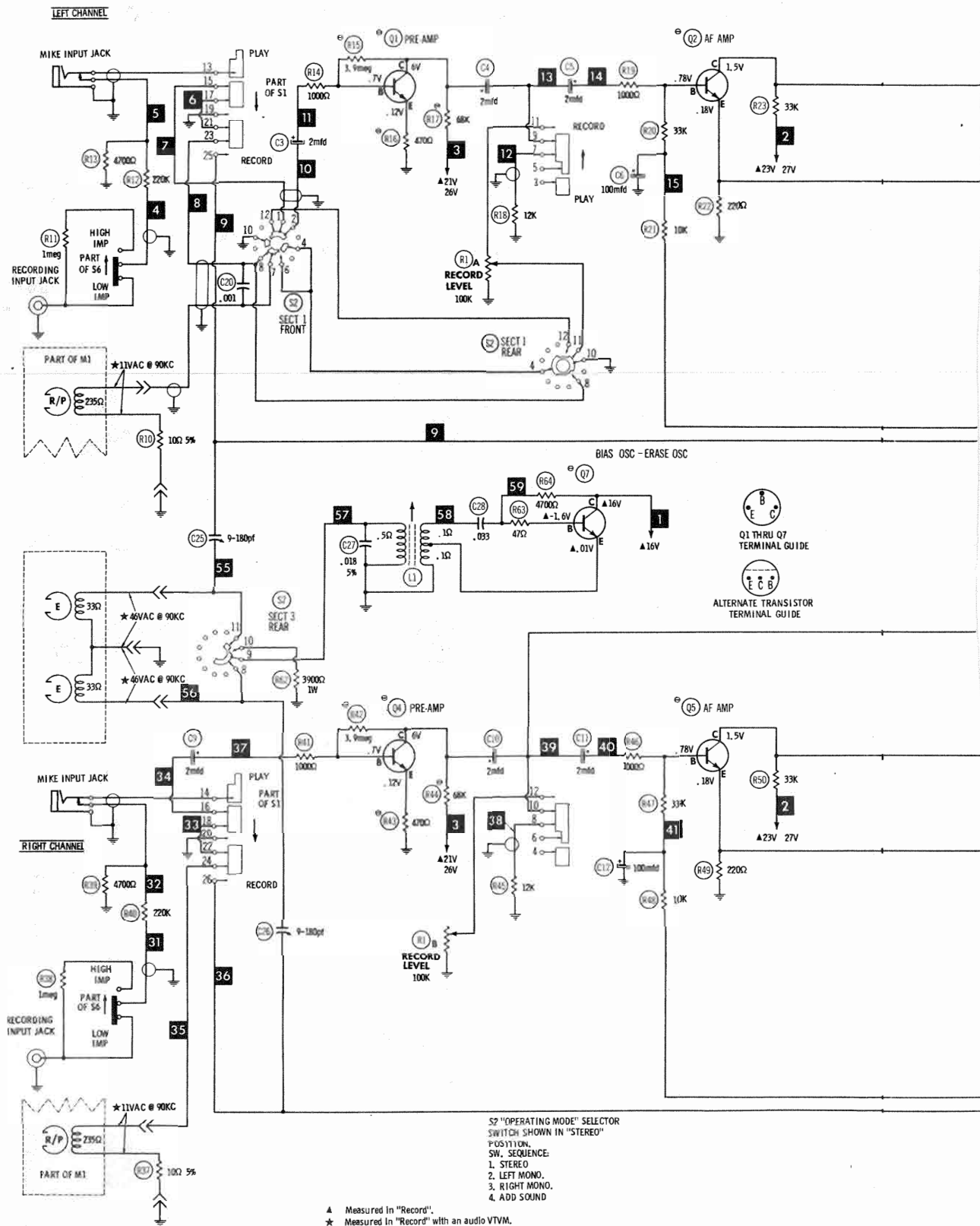
(CONTINUED ON PAGE 30)

GENERAL ELECTRIC MODELS TD155, TD200-1/-2, TP1200BWD-A, TP1300BWD-A





NOTE: DEMAGNETIZE HEADS AFTER SERVICING RECORDER



Resistors are 1/2 watt or less and rated 10% or 20% unless otherwise indicated.

A PHOTOFAC STANDARD NOTATION SCHEMATIC with CIRCUIT

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4. Measured in "Record".
- ★ Measured in "Record" with an audio VTVM.
- ⊕ See parts list
1. Voltage measurements taken with vacuum tube voltmeter.
2. All controls set for normal operation, no signal applied.
3. Measured values are from socket pin or terminal to common ground.
4. All terminals viewed from bottom unless otherwise designated.
5. Numbers assigned to terminals may not be found on the unit.
6. Supply voltage maintained at rated value for voltage readings.
7. Resistance measurements not given because of the wide variation in internal resistance of transistor.
8. All measurements taken in "Play" unless otherwise indicated.

S2 "OPERATING MODE" SELECTOR SWITCH SHOWN IN "STEREO" POSITION.

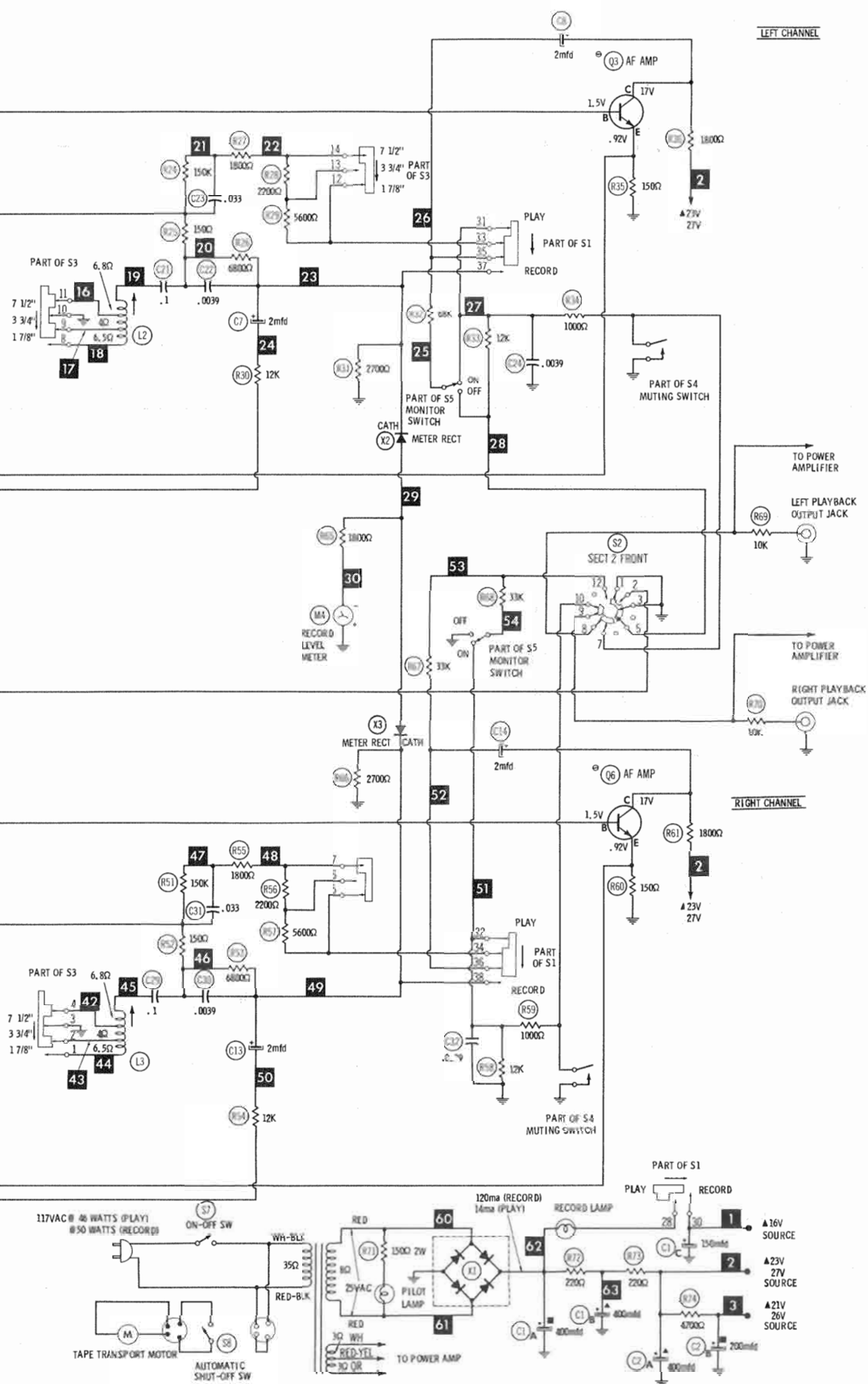
SW. SEQUENCE:

1. STEREO

2. LEFT MONO.

3. RIGHT MONO.

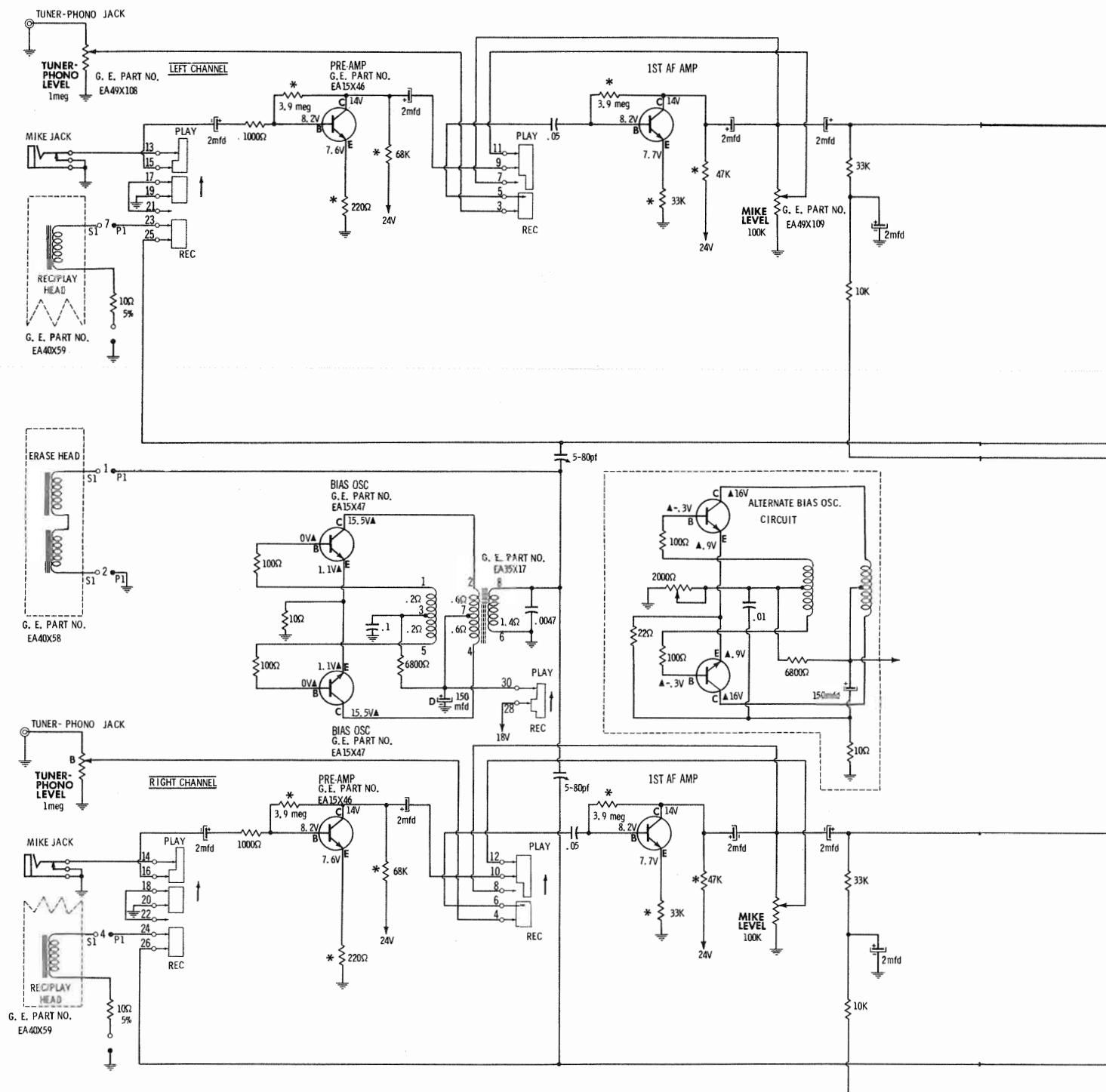
4. ADD SOUND



REFER TO PAGE 32 & 36 FOR AMPS

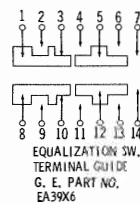
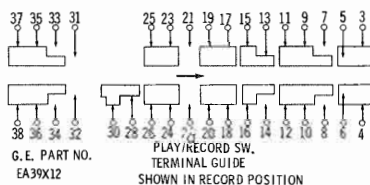
GENERAL ELECTRIC
MODELS TD200-1/-2,

NOTE: DEMAGNETIZE HEADS AFTER SERVICING RECORDER

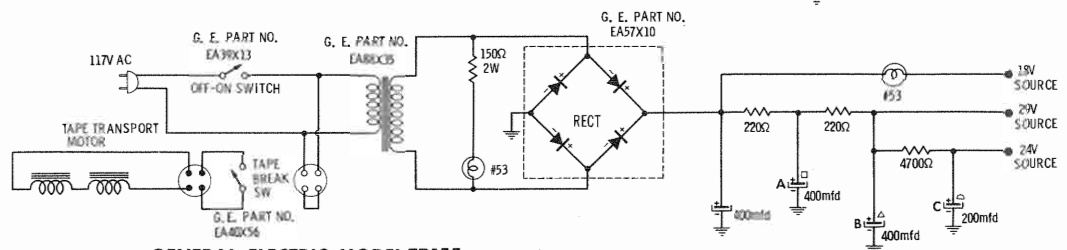
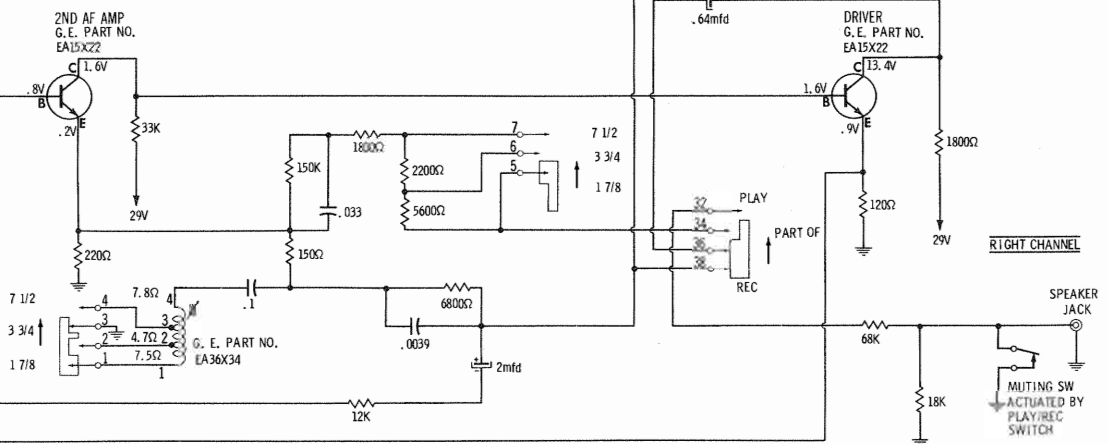
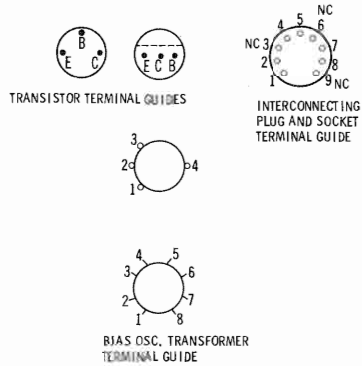
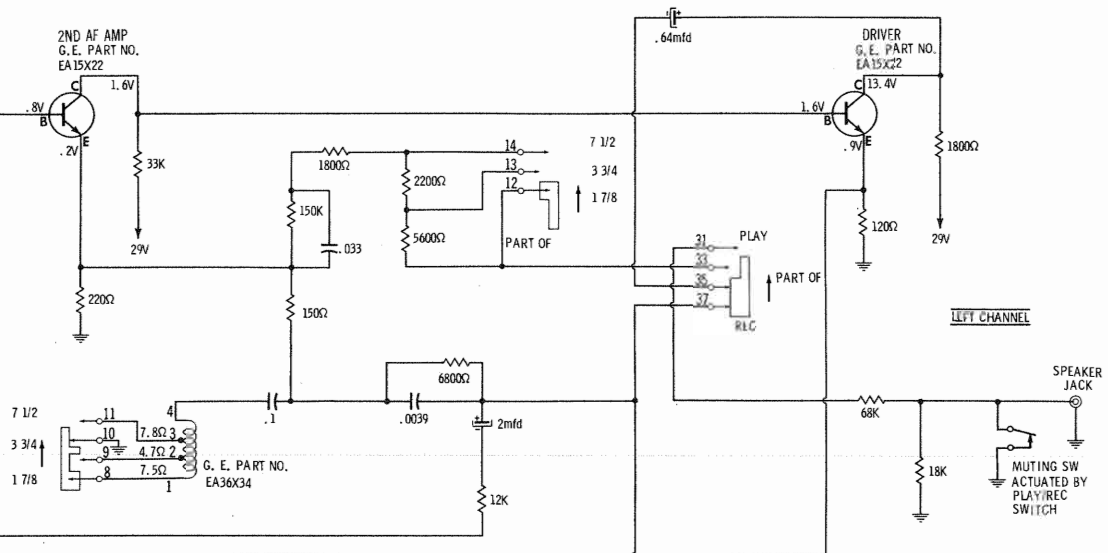


* LOW NOISE NC NO CONNECTION
▲ Measured In "Record"

1. Voltage measurements taken with vacuum tube voltmeter.
2. All controls set for normal operation, no signal applied.
3. Measured values are from socket pin or terminal to common ground.
4. All terminals viewed from bottom unless otherwise designated.
5. Numbers assigned to terminals may not be found on the unit.
6. Supply voltage maintained at rated value for voltage readings.
7. Resistance measurements not given because of the wide variation in internal resistance of transistor.



A PHOTOFACT STANDARD NOTATION SCHEMATIC
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GENERAL ELECTRIC MODEL TD155

PARTS LIST AND DESCRIPTION (CONTINUED)

(When ordering parts, state Model, Part Number, and Description.)

RESISTORS (Power and Special)

ITEM No.	RATING	REPLACEMENT DATA			ITEM No.	RATING	REPLACEMENT DATA		
		IRC PART No.	WORKMAN PART No.	G. E. PART No.			IRC PART No.	WORKMAN PART No.	G. E. PART No.
R15	3.9meg			EA1132	R42	3.9meg			EA1132
R16	470Ω			EA1204	R43	470Ω			EA1204
R17	68K			EA1205	R44	68K			EA1205

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA				
		G. E. PART No.	MEISSNER Part No.	MERIT PART No.	MILLER PART No.	WORKMAN PART No.
L1	Bias Oscillator	EA1202				
L2	Equalization	EA1201				
L3	Equalization	EA1201				

TRANSFORMER (POWER)

ITEM No.	RATING			REPLACEMENT DATA					NOTES
	PRI.	SEC. 1	SEC. 2	G. E. PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T1	117VAC @ .70A	25VAC @ .12A DC	44VAC @ .014A DC	EA1211 ① (133B9904-1)					① Model TD200-1 ② Model TD200-2
	117VAC @ .70A	25VAC @ .12A DC	45VAC @ .011A DC	EA1212 ② (134B1026-1)					

TAPE HEADS

ITEM NO.	MEASURED			G. E. PART NO.	NORTONICS PART NO.	DESCRIPTION
	INDUCTANCE	BIAS/ERASE VOLTS (RMS)	BIAS FREQ.			
M1	85mH	11V rms	90KC	EA1245 ② (EA40X59) ③	1008 & QK-38 ① ② 1008 & QK-38 ③	4-Track Stereo Record/Play
M2	11mH	46V rms	90KC	EA1244 ② (EA40X58) ③	1401 & QK-18 ② 1400 & QK-18 ③	4-Track Stereo Erase

① Adjust C25 (C26) for 15 Volts. ② Used in Models TD-200-1/-2 ③ Used in Model TD-155

MISCELLANEOUS

ITEM No.	PART NAME	G. E. PART No.	NOTES
M3	Motor	EA1239	Tape Transport (Includes Pulley)
M4	Meter	EA1127	
S1	Switch	EA1207	
S2	Switch	EA1210	
S3	Switch	EA1208	
S4	Switch		
S5	Switch	RS4275	
S6	Switch	RS4273	
S7	Switch	EA1209	Monitor
S8	Switch	EA1218	Impedance
	Printed Circuit Board	EA8073	Power On/Off
	Microphone	EA1110	Automatic Shutoff
	Microphone	EA1251	Board Only
			DM160 (Model TP1200B)
			DM162 (Model TP1300B)

CABINETS & CABINET PARTS

(When Ordering Specify Model, Chassis & Color)

ITEM	PART No.	ITEM	PART No.
Knob, Reel Hold-Down	EA1214	Button, Stop	EA1160
Knob, Speed Selector	EA1186	Button, Play	EA1181
Knob, Pause	EA1185	Button, Fast Forward	EA1179
Knob, Record Level	EA1184	Button, On/Off	EA1178
Button, Fast Rewind	EA1177	Button, Record	EA1182

WIRING DATA

General-use Unshielded Hook-up Wire	Use BELDEN No. 8530 (Solid) Available in 12 Colors
Power Cord	8524 (Stranded) Available in 12 Colors
Power Cord (Interlock Type)	Use BELDEN No. 17106 (Plastic) or 17126 (Rubber) - 6 Ft.
Low-Loss Shielded Lead (Interconnecting)	17109 (Plastic) or 17129 (Rubber) - 9 Ft.
Phono Pick-up Arm Cable	Use BELDEN No. 8874 (Rubber) or 8895 (Plastic)
	Use BELDEN No. 8401 or 8421
	Use BELDEN No. 8430 (Two Conductor-Unshielded)
	8429 (Two Conductor-Shielded)
	8419 (Three Conductor-Shielded)

PARTS LIST AND DESCRIPTION

(When ordering parts, state Model, Part Number, and Description.)

GENERAL ELECTRIC CHASSIS T7T

TRANSISTORS

ITEM No.	ORIG. TYPE	USE	REPLACEMENT DATA				G. E. PART No.	NOTES
			DELCO PART No.	GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	RCA PART No.		
Q10		AF Amp.	DS-66	GE-10	TR-21	8K-3020	RS5857	PNP
Q11		AF Amp.	DS-26	GE-2	TR-05	8K-3004	RS5852	PNP
Q12		Output	DS-66	GE-10	TR-21	8K-3020	RS5856	PNP
Q13		Output	DS-503	GE-3	TR-01	8K-3009	RS5855	PNP
Q14		Output	DS-26	GE-2	TR-05	8K-3004	RS5854	PNP
Q15		Output	DS-503	GE-3	TR-01	8K-3009	RS5855	PNP
Q16		AF Amp.	DS-66	GE-10	TR-21	8K-3020	RS5857	PNP
Q17		AF Amp.	DS-26	GE-2	TR-05	8K-3004	RS5852	PNP
Q18		Output	DS-66	GE-10	TR-21	8K-3020	RS5856	PNP
Q19		Output	DS-503	GE-3	TR-01	8K-3009	RS5855	PNP
Q20		Output	DS-26	GE-2	TR-05	8K-3004	RS5854	PNP
Q21		Output	DS-503	GE-3	TR-01	8K-3009	RS5855	PNP

POWER RECTIFIERS & SIGNAL DIODES

ITEM No.	MEASURED CURRENT	ORIGINAL Part or Type No.	RECTIFIERS & DIODES		RECTIFIERS	
			GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	RCA PART No.	SARKS TARZIAN PART No.
X5	.014 Amp	RS3727	GE-504A	8D4 or SD500	SK-3016	40C or F-4
X6	.014 Amp	RS3727	GE-504A	8D4 or SD500	SK-3016	40C or F-4
X7		EA1079	GE-504A	8D4 or SD500	SK-3016	40C or F-4
X8		EA1078	GE-504A	8D4 or SD500		40C or F-4
X9		EA1079	GE-504A	8D4 or SD500	SK-3016	40C or F-4
X10		EA1078	GE-504A	8D4 or SD500		40C or F-4

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA						
		G. E. PART No.	AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.	SPRAGUE PART No.
C35	1000 35V	RS662 (134B1011-3)			BR1000-50		TC50100	TL-1317
C36	100 25V	RS6798 (112B3877-723)	CRE623A	EA30-100	NLW100-25	MT1-20	MTA100F35	TL-1211
C37	100 25V	RS6798 (112B3877-723)	CRE623A	EA30-100	NLW100-25	MT1-20	MTA100F35	TL-1211
C38	150 15V	RS6339 (112B3877-526)	CRE478A	EA15-100	NLW150-15	MT1-23	MTA150F35	TL-1163
C39	2 50V	EA1114 (112B3877-802)	CRE751A	EA50-2	NLW2-50	MT1-1	MTA2D50	TL-1301
C40	250 25V	RS6340 (112B3877-731)	PRSI280	EA30-250	BR250-25	QT1-28	TC25025	TL-1214
C41	150 15V	RS6339 (112B3877-526)	CRE478A	EA15-100	NLW150-15	MT1-23	MTA150F35	TL-1163
C42	2 50V	EA1114 (112B3877-802)	CRE751A	EA50-2	NLW2-50	MT1-1	MTA2D50	TL-1301
C43	250 25V	RS6340 (112B3877-731)	PRSI280	EA30-250	BR250-25	QT1-28	TC25025	TL-1214

CAPACITORS

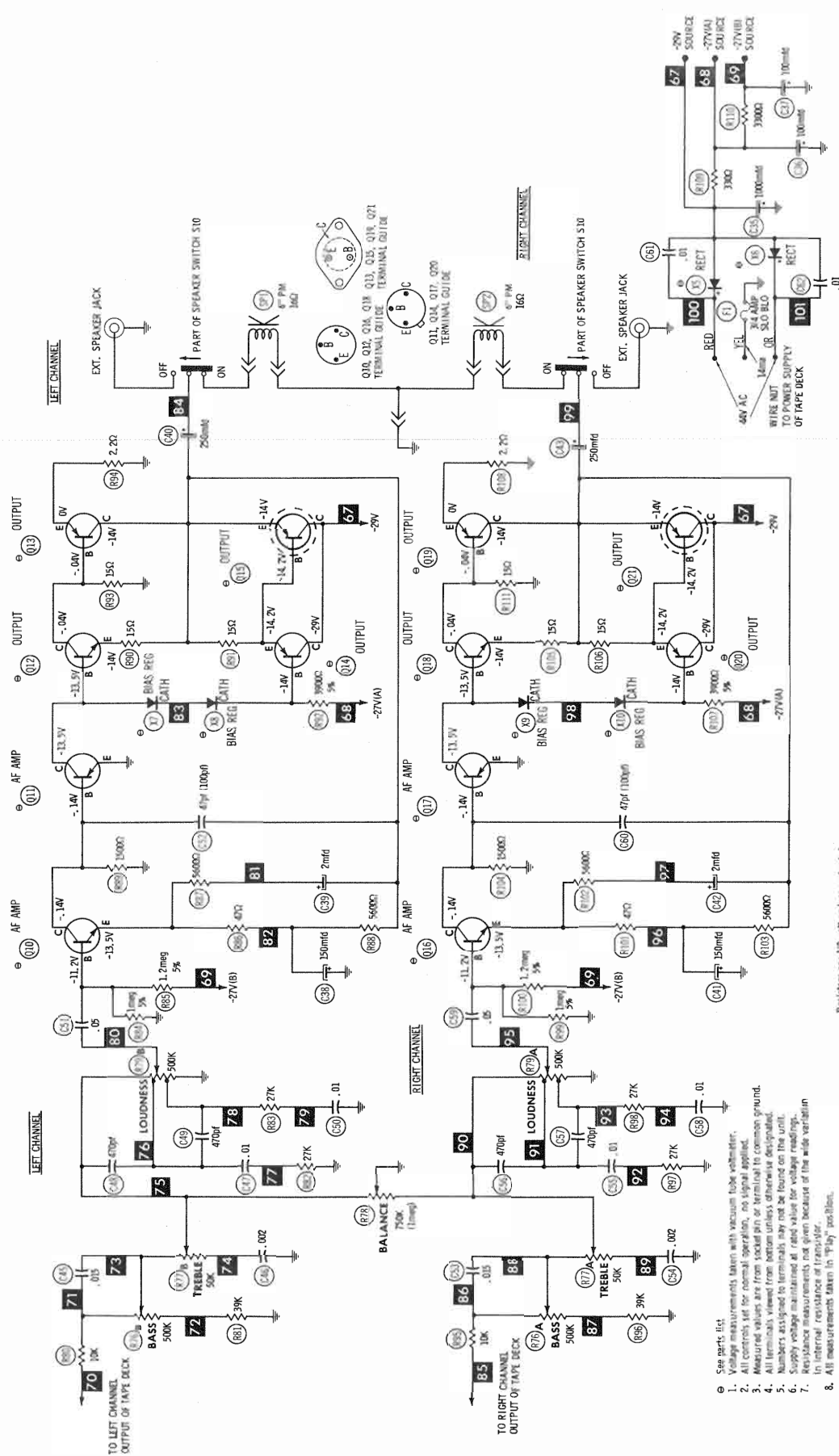
ITEM No.	RATING	REMARKS	REPLACEMENT DATA					
			AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ELMENDO PART No.	MALLORY PART No.	SPRAGUE PART No.
C45	.015		BPD-015	DD-153	BYT601ZU153Z	CCD-153	GP115	10TS-S15
C46	.002		DI-2000	DD-202	JBX601Y P202K	CCD-202	GP220	10TS-D20
C47	.01		DI-10000	DD-103	BYX601ZU103M	CCD-103	GP110	10TS-S10
C48	470		DI-470	DD-471	JBZ601Y P471K	CCD-471	GP347	10TS-T47
C49	470		DI-470	DD-471	JBZ601Y P471K	CCD-471	GP347	10TS-T47
C50	.01		DI-10000	DD-103	BYX601ZU103M	CCD-103	GP110	10TS-S10
C51	.05 50V		TTD-05	CK-503	HOV101ZV503Z		TA150	TG-S50
C52	47		DI-47	DD-470	JBZ601Y P470K	CCD-470	GP447	10TS-Q47
C53	.015		BPD-015	DD-153	BYT601ZU153Z	CCD-153	GP115	10TS-S15
C54	.002		DI-2000	DD-202	JBX601Y P202K	CCD-202	GP220	10TS-D20
C55	.01		DI-10000	DD-103	BYX601ZU103M	CCD-103	GP110	10TS-S10
C56	470		DI-470	DD-471	JBZ601Y P471K	CCD-471	GP347	10TS-T47
C57	470		DI-470	DD-471	JBZ601Y P471K	CCD-471	GP347	10TS-T47
C58	.01		DI-10000	DD-103	BYX601ZU103M	CCD-103	GP110	10TS-S10
C59	.05 50V		TTD-05	CK-503	HOV101ZV503Z		TA150	TG-S50
C60	47		DI-47	DD-470	JBZ601Y P470K	CCD-470	GP447	10TS-Q47
C61	.01		DI-10000	DD-103	BYX601ZU103M	CCD-103	GP110	10TS-S10
C62	.01		DI-10000	DD-103	BYX601ZU103M	CCD-103	GP110	10TS-S10

† Alternate Value.

(CONTINUED ON PAGE 35)

GENERAL ELECTRIC MODELS TD155, TD200-1/-2, TP1200BWD-A, TP1300BWD-A

CHASSIS T71

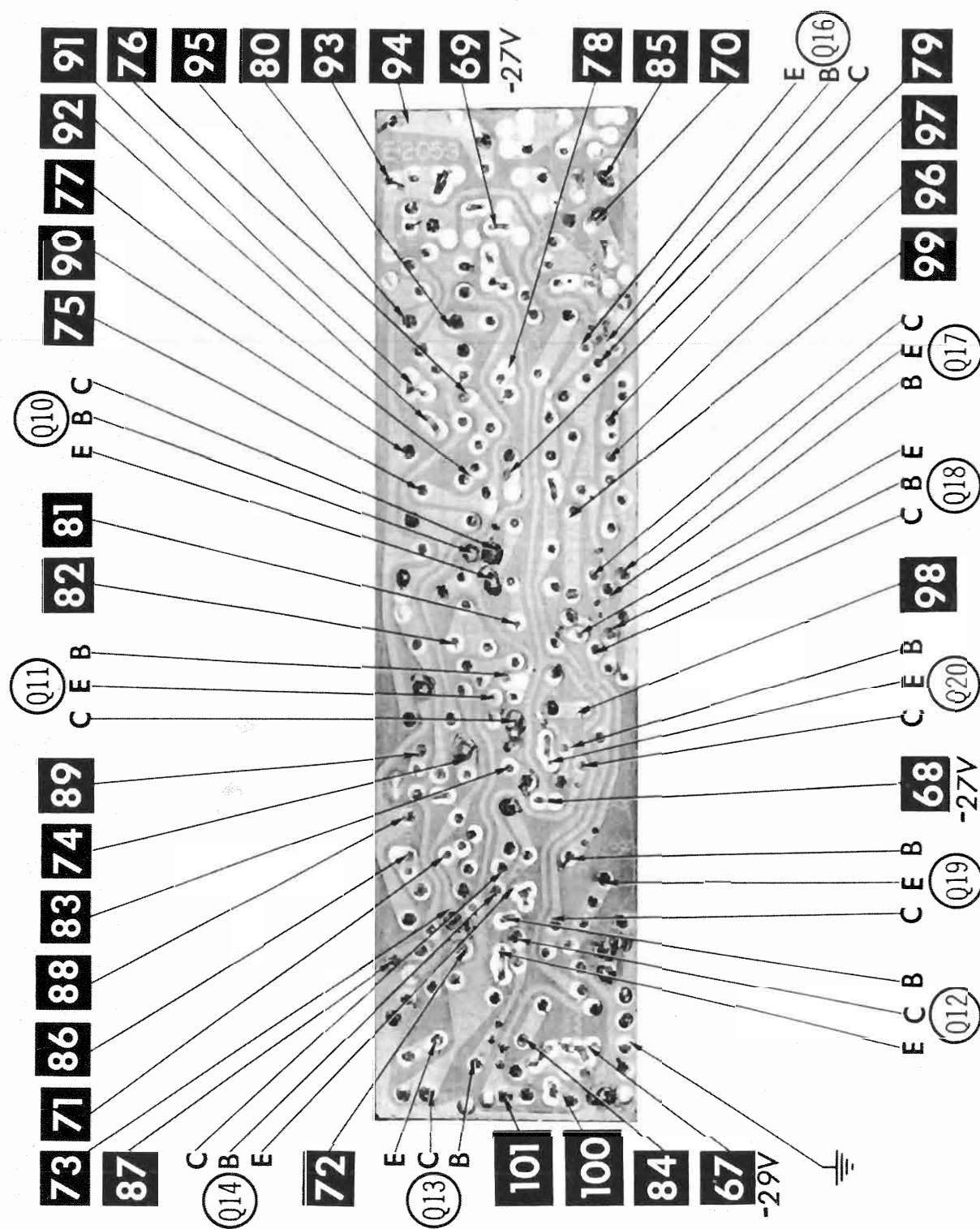


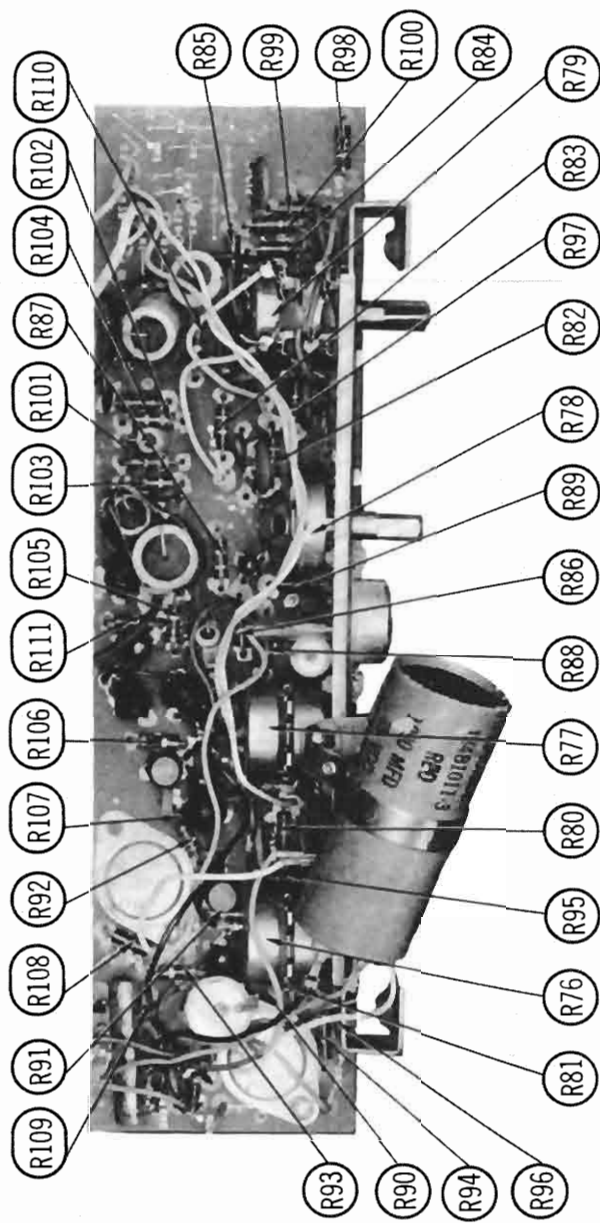
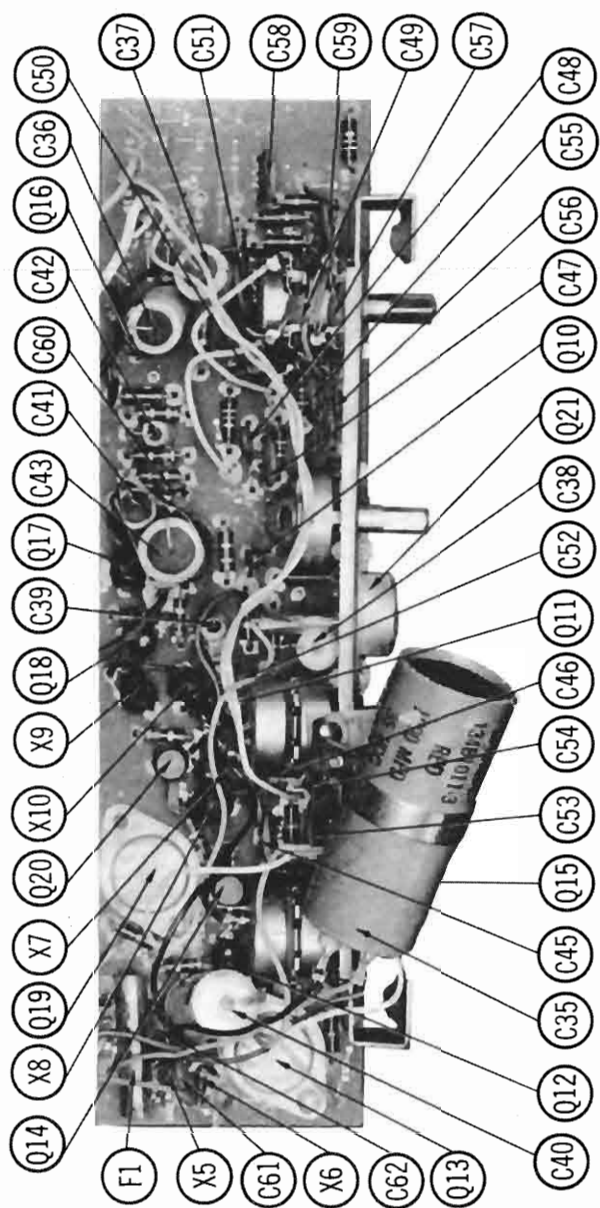
Resistors are 1/2 watt or less and rated 10% or 20% unless otherwise indicated.

1. See parts list.
2. Voltage measurements taken with vacuum tube voltmeter.
3. All controls set for normal operation, no signal applied.
4. Measured values are from socket pin or terminal to common ground.
5. All terminals viewed from bottom unless otherwise designated.
6. Numbers assigned to terminals may not be found on the unit.
7. Supply voltage maintained at rated value for voltage readings.
8. Resistance measurements not given because of the wide variation in internal resistance of transistor.
9. All measurements taken in "play" position.

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CHASSIS T7T

PARTS LIST AND DESCRIPTION (CONTINUED)

(When ordering parts, state Model, Part Number, and Description.)

CONTROLS

All wattages 1/2 watt, or less, unless otherwise listed.

ITEM No.	USE	RESISTANCE	REPLACEMENT DATA				
			G. E. PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS-IRC PART No.	MALLORY PART No.
R76A B	Bass Bass	500K 500K	EA1097 (133B9562-10)	F1-500K, R1-500K, SRS-014 ①, CPL-2	NP-500K-S, NR-500K-S, UP-A-400 ①, DC-2, TT-2	B11-133, B11-133, TM3 ①, QCM or (BU11, CF16, CR11, SS6 ①, SS7A, DC1) *	FB55L, RU55L, CS3500 ①
R77A B	Treble Treble	50K 50K	EA1070 (133B9562-7)	F1-50K, R1-50K, SRS014 ①, CPL-2	NP-50K-S, NR-50K-S, UP-A-400 ①, DC-2, TT-2	B11-123, B11-123, TM3 ①, QCM or (BU11, CF12, CR7, SS6 ①, SS7A, DC1) *	FA54L, RU54L, CS3500 ①
R78	Balance	750K (1meg)	EA1085 (133B9562-9)	F1-750K, SNK104, AK-38	A47-750K-S, RN-3 ①, TT-2 or (NP-750K-S, NML-A-300 ①, TT-2)	B11-136, TM4 ① or (BU11, CF64, SS6 ①) *	PTA754L ① or (RU754L, SL37, SN875 ①), or (TA16L ①)
R79A B	Loudness Loudness	500K Tap @ 150K & 300K 500K Tap @ 150K & 300K	RS6337 (133B9562-3)	F56-500K, R56-500K, SRS014 ①, CPL-2		B20-133XX, B20-133XX, TM3 ①, QCM	FA55DT334, RU55DT334, CS3500 ①

① File Replacement Sheet to duplicate original
* "SNAPTROL"

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA			NOTES
		G. E. PART No.	JENSEN PART No.	QUAM PART No.	
SP1	6" PM 16Ω	EA8077 ① (933C282-3)		6A15Z16	① Used in Model TP1200BWD-A
SP2	6" PM 16Ω	EA8077 ① (933C282-3)		6A15Z16	

FUSE DEVICES

ITEM No.	DESCRIPTION	REPLACEMENT DATA							
		PART No.		BUSS PART No.		LITTELFUSE PART No.		WORKMAN PART No.	
		DEVICE	HOLDER	DEVICE	HOLDER	DEVICE	HOLDER	DEVICE	
F1	3AG, 3/4 Amp. @ 125V, P/G, S/B	EA1055		MDV 3/4		315.750			

MISCELLANEOUS

ITEM No.	PART NAME	G. E. PART No.	NOTES
SL0	Switch Printed Circuit Board	EA8022	Speaker On/Off Board Only

CABINETS & CABINET PARTS

MODEL TP1200BWD-A

(When Ordering Specify Model, Chassis & Color)

ITEM	PART No.	ITEM	PART No.
Cabinet Bottom, Walnut Veneer	EA8074	Escutcheon, Control	EA8075
Cabinet Top, Walnut Veneer	EA8181	Medallion	EA8076
Knob, Loudness, Bass, Treble and Balance	EA1094	Handle	LS279

WIRING DATA

General-use Unshielded Hook-up Wire	Use BELDEN No. 8530 (Solid) Available in 12 Colors
Power Cord	8524 (Stranded) Available in 12 Colors Use BELDEN No. 17106 (Plastic) or 17126 (Rubber) - 6 Ft. 17109 (Plastic) or 17129 (Rubber) - 9 Ft.
Power Cord (Interlock Type)	Use BELDEN No. 8874 (Rubber) or 8895 (Plastic)
Low-Loss Shielded Lead (Interconnecting)	Use BELDEN No. 8401 or 8421
Phono Pick-up Arm Cable	Use BELDEN No. 8430 (Two Conductor-Unshielded) 8429 (Two Conductor-Shielded) 8419 (Three Conductor-Shielded)

GENERAL ELECTRIC MODELS TD155, TD200-1/-2, TP1200BWD-A, TP1300BWD-A

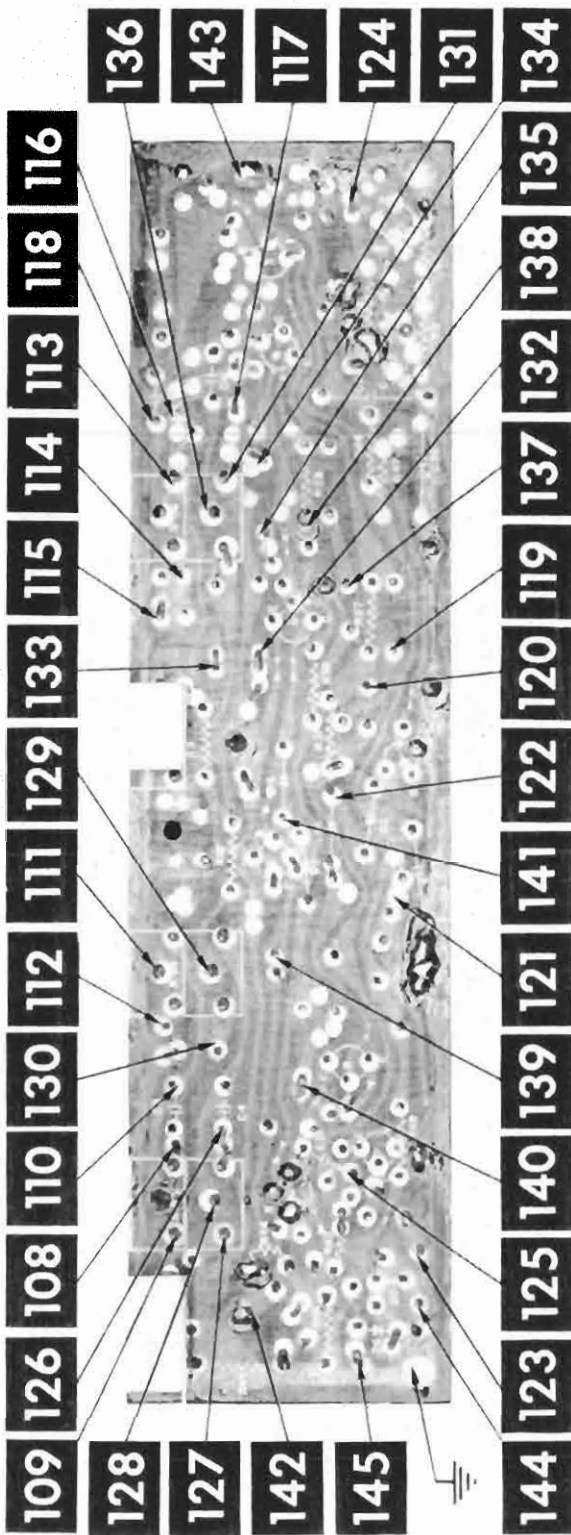
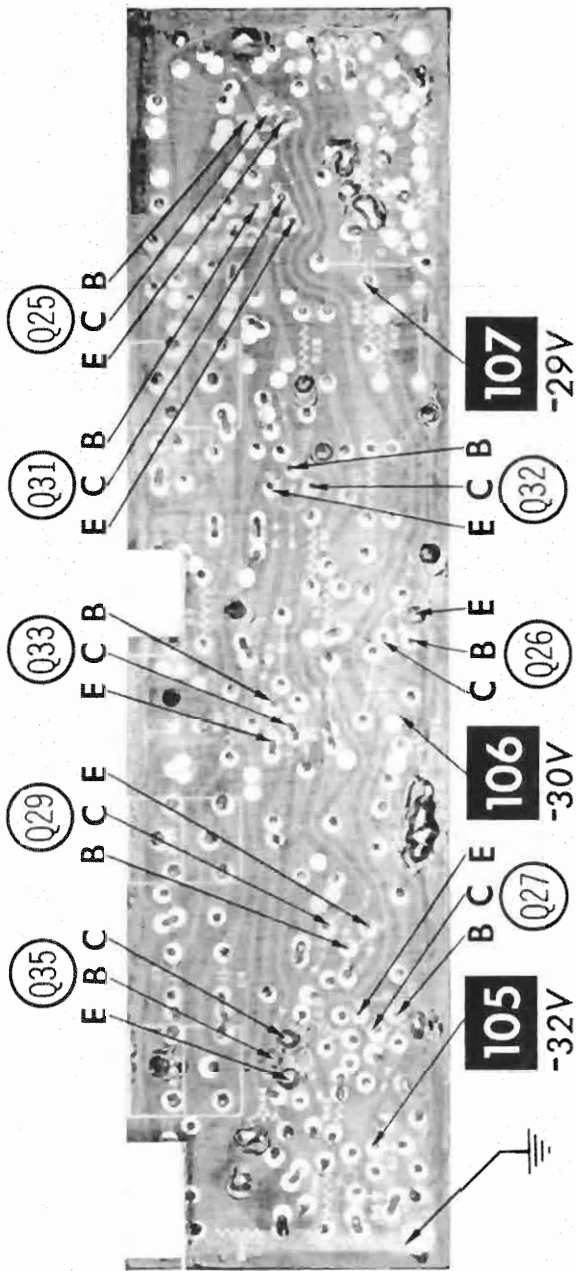
CHASSIS T20T



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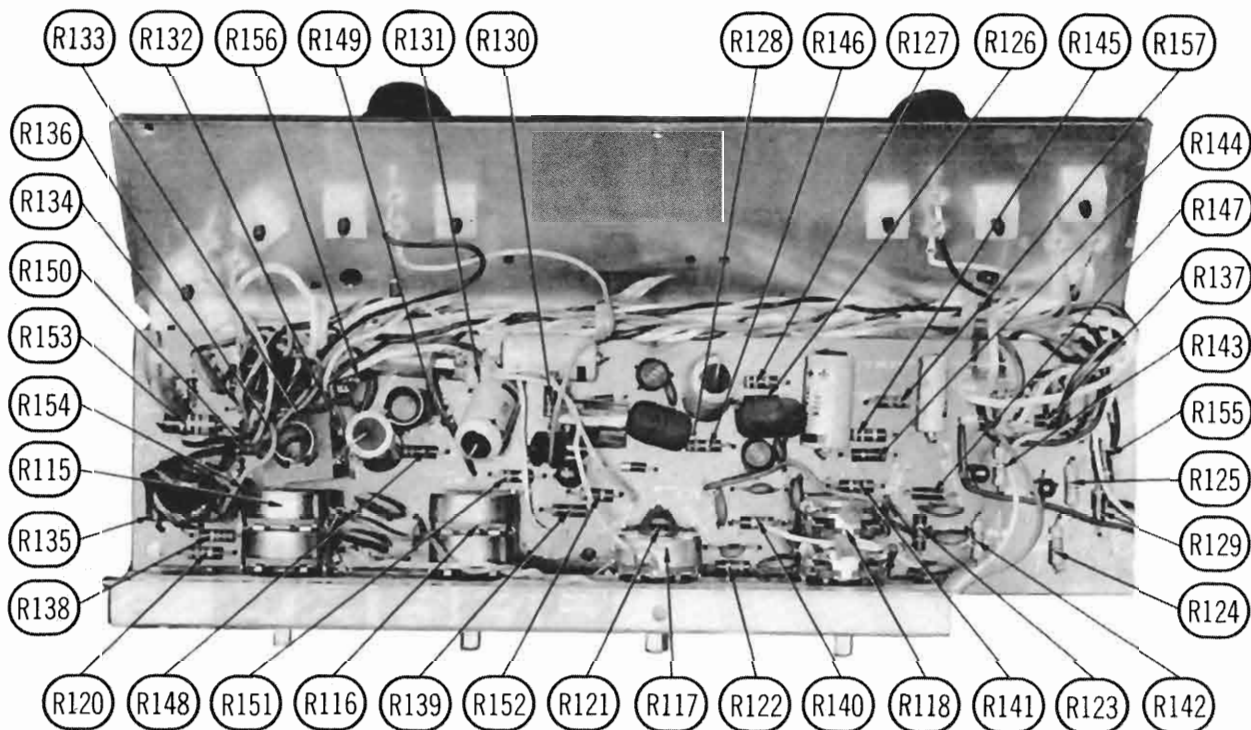
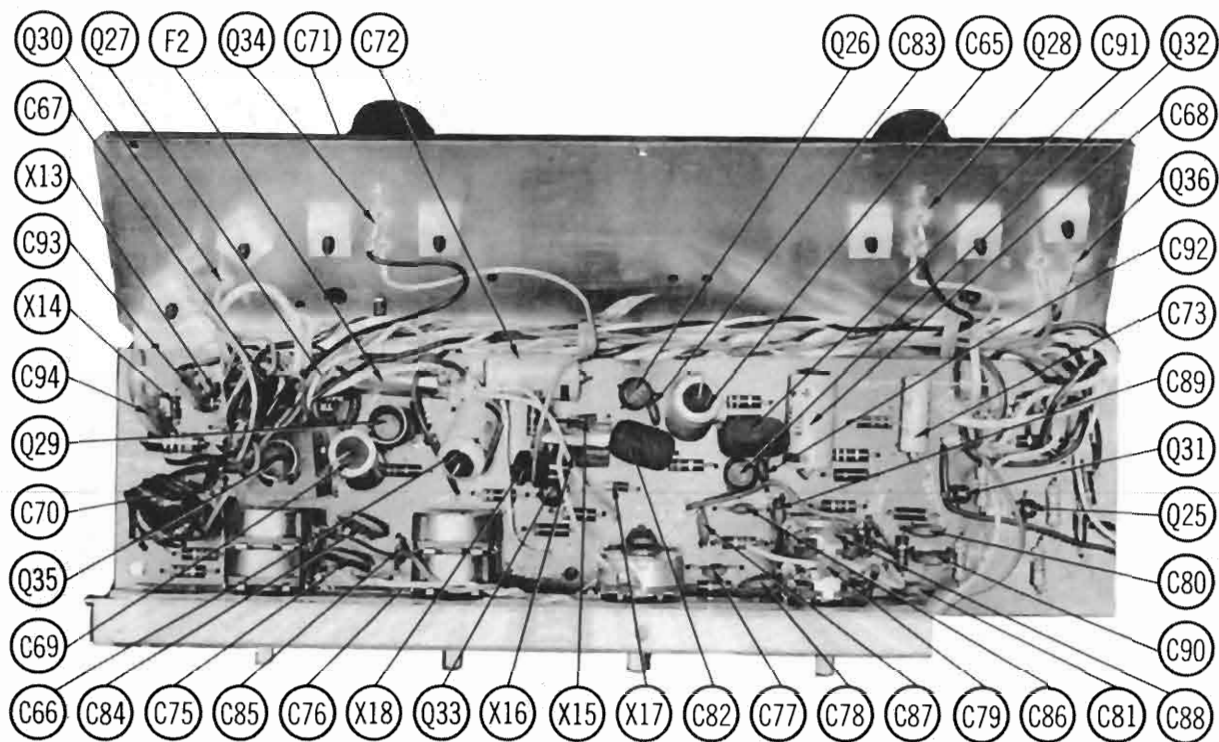
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CHASSIS T20T

GENERAL ELECTRIC MODELS TD155, TD200-1/-2, TP1200BWD-A, TP1300BWD-A

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CHASSIS T20T

PARTS LIST AND DESCRIPTION

(When ordering parts, state Model, Part Number, and Description.)

GENERAL ELECTRIC CHASSIS T20 T

WIRING DATA

General-use Unshielded Hook-up Wire	Use BELDEN No. 8530 (Solid) Available in 12 Colors 8524 (Stranded) Available in 12 Colors
Power Cord	Use BELDEN No. 17106 (Plastic) or 17126 (Rubber) - 6 Ft. 17109 (Plastic) or 17129 (Rubber) - 9 Ft.
Power Cord (Interlock Type)	Use BELDEN No. 8874 (Rubber) or 8895 (Plastic)
Low-Loss Shielded Lead (Interconnecting)	Use BELDEN No. 8401 or 8421
Phono Pick-up Arm Cable	Use BELDEN No. 8430 (Two Conductor-Unshielded) 8429 (Two Conductor-Shielded) 8419 (Three Conductor-Shielded)

TRANSISTORS

ITEM No.	ORIG. TYPE	USE	REPLACEMENT DATA				G. E. PART No.	NOTES
			DELCO PART No.	GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	RCA PART No.		
Q25		AF Amp.	DS-66	GE-10	TR-21	SK-3020	EA1080	NPN
Q26		AF Amp.	DS-26	GE-2	TR-05	SK-3004	EA1081	PNP
Q27		Output	DS-66	GE-10	TR-21	SK-3020	RS5856	NPN
Q28		Output	DS-503	GE-3	TR-01	SK-3009	EA1082	PNP
Q29		Output	DS-26	GE-2	TR-05	SK-3004	RS5854	PNP
Q30		Output	DS-503	GE-3	TR-01	SK-3009	EA1082	PNP
Q31		AF Amp.	DS-66	GE-10	TR-21	SK-3020	EA1080	NPN
Q32		AF Amp.	DS-26	GE-2	TR-05	SK-3004	EA1081	PNP
Q33		Output	DS-66	GE-10	TR-21	SK-3020	RS5856	NPN
Q34		Output	DS-503	GE-3	TR-01	SK-3009	EA1082	PNP
Q35		Output	DS-26	GE-2	TR-05	SK-3004	RS5854	PNP
Q36		Output	DS-503	GE-3	TR-01	SK-3009	EA1082	PNP

POWER RECTIFIERS & SIGNAL DIODES

ITEM No.	MEASURED CURRENT	ORIGINAL Part or Type No.	RECTIFIERS & DIODES		RECTIFIERS	
			GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	RCA PART No.	SARKES TARZIAN PART No.
X13	.0115 Amp.	RS-3727	GE-504A	8D4 or SD500	SK-3016	40C or F-4
X14	.0115 Amp.	RS-3727	GE-504A	8D4 or SD500	SK-3016	40C or F-4
X15		EA1079	GE-504A	8D4 or SD500		40C or F-4
X16		EA1078	GE-504A	8D4 or SD500	SK-3016	40C or F-4
X17		EA1079	GE-504A	8D4 or SD500	SK-3016	40C or F-4
X18		EA1078	GE-504A	8D4 or SD500		40C or F-4

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA						
		G. E. PART No.	AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.	SPRAGUE PART No.
C63	10 25VNP	EA1095 (145A9065-24)	PRS7315		BRNP10-400	NPQT-3	TCN5010	TVAN-1204.1
C64	10 25VNP	EA1095 (145A9065-24)	PRS7315		BRNP10-400	NPQT-3	TCN5010	TVAN-1204.1
C65	100 25V	RS6798 (112B3877-723)	CRE623A	EA30-100	NLW100-25	MT1-20	MTA100F35	TL-1211
C66	100 25V	RS6798 (112B3877-723)	CRE623A	EA30-100	NLW100-25	MT1-20	MTA100F35	TL-1211
C67	400 25V	RS6341 (112B3877-735)	PRS1290	EA30-500	BR500-25	QT1-31	TC2505	TL-1216
C68	100 25V	RS6798 (112B3877-723)	CRE623A	EA30-100	NLW100-25	MT1-20	MTA100F35	TL-1211
C69	100 25V	RS6798 (112B3877-723)	CRE623A	EA30-100	NLW100-25	MT1-20	MTA100F35	TL-1211
C70	400 25V	RS6341 (112B3877-735)	PRS1290	EA30-500	BR500-25	QT1-31	TC2505	TL-1216
C71	1000 35V	RS6662 (134B1011-3)	PRS1395		BR1000-50		TC50100	TL-1317
C72	50 50V	EA1115 (112B3877-816)	CRE767A	EA50-50	NLW50-50	MT1-17	MTA50F50	TL-1307
C73	10 50V	EA1076 (112B3877-808)	CRE757A	EA50-10	NLW10-50	MT1-6	MTA10E50	TL-1304

CAPACITORS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA					
			AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ELMENCO PART No.	MALLORY PART No.	SPRAGUE PART No.
C75	.015		DPD-015	DD-153	BYT601ZU153Z	CCD-153	GP115	10TS-S15
C76	.0022		DI-2200	DD-222	JBX601YP222K	CCD-222	GP222	10TS-D22
C77	.470		DI-470	DD-471	JBZ601YP471K	CCD-471	GP347	10TS-T47
C78	.01		DI-10000	DD-103	BYX601ZU103M	CCD-103	GP110	10TS-S10
C79	.470		DI-470	DD-471	JBZ601YP471K	CCD-471	GP347	10TS-T47
C80	.01		DI-10000	DD-103	BYX601ZU103M	CCD-103	GP110	10TS-S10
C81	.01		DI-10000	DD-103	BYX601ZU103M	CCD-103	GP110	10TS-S10
C82	.22 50V		DBE4P22		DMF4P22	4DP-5-224	PVC4022	4PS-P22
C83	150		DI-150	DD-151		CCD-151	GP315	10TS-T15
C84	.015		DPD-015	DD-153	BYT601ZU153Z	CCD-153	GP115	10TS-S15
C85	.0022		DI-2200	DD-222	JBX601YP222K	CCD-222	GP222	10TS-D22
C86	.470		DI-470	DD-471	JBZ601YP471K	CCD-471	GP347	10TS-T47
C87	.01		DI-10000	DD-103	BYX601ZU103M	CCD-103	GP110	10TS-S10
C88	.470		DI-470	DD-471	JBZ601YP471K	CCD-471	GP347	10TS-T47
C89	.01		DI-10000	DD-103	BYX601ZU103M	CCD-103	GP110	10TS-S10
C90	.01		DI-10000	DD-103	BYX601ZU103M	CCD-103	GP110	10TS-S10
C91	.22 50V		DBE4P22		DMF4P22	4DP-5-224	PVC4022	4PS-P22
C92	150		DI-150	DD-151		CCD-151	GP315	10TS-T15
C93	.01		DI-10000	DD-103	BYX601ZU103M	CCD-103	GP110	10TS-S10
C94	.01		DI-10000	DD-103	BYX601ZU103M	CCD-103	GP110	10TS-S10

GENERAL ELECTRIC MODELS TD155, TD200-1/-2, TP1200BWD-A, TP1300BWD-A

PARTS LIST AND DESCRIPTION (CONTINUED)

(When ordering parts, state Model, Part Number, and Description.)

CONTROLS

All wattages 1/2 watt, or less, unless otherwise listed.

ITEM No.	USE	RESIST-ANCE	REPLACEMENT DATA				
			G. E. PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS-IRC PART No.	MALLORY PART No.
R15A B	Bass Bass	500K 500K	RS6334 (133D9562-6)	F1-500K, R1-500K, SRS014 ①, CPL-2	NP-500K-S, NR-500K-S, UP-A-400 ①, DC2, TT-2	B11-133, B11-133, TM3 ①, QCM or (BU11, CF16, CR11, SS6 ①, SSTA, DC1)*	FB55L, RU55L, CS3500 ①
R16A B	Treble Treble	50K 50K	EA1070 ② (133D9562-7)	F1-50K, R1-50K, SRS014 ①, CPL-2	NP-50K-S, NR-50K-S, UP-A-400 ①, DC2, TT-2	B11-123, B11-123, TM3 ①, QCM or (BU11, CF12, CR7, SS6 ①, SSTA, DC1)*	FA54L, RU54L, CS3500 ①
R117	Balance	750K (1meg)	EA1085 (133D9562-9)	F1-750K, SNK104 ①, AK-38	A47-750K-S, RN-3 ①, TT-2 or (NP-750K-S, NML-A-300 ①, TT-2)	B11-136, TM4 ①, or (BU11, CF64, SS6 ①)*	PTA754L ① or (RU754L, SL37, SN875 ① or (TA16L ①)
R18A B	Loudness Loudness	500K Tap @ 150K, 300K 500K Tap @ 150K, 300K	RS6337 (133D9562-3)	F56-500K, R56-500K, SRS014 ①, CPL-2		B20-133XX, B20-133XX, TM3 ①, QCM	FA55DT334, RU55DT334, CS3500 ①

① File replacement shaft to duplicate original.

② A 500K, Part No. RS-6335 may be used in some versions.

* "SNAPTROL"

RESISTORS (Power and Special)

ITEM No.	RATING	REPLACEMENT DATA			ITEM No.	RATING	REPLACEMENT DATA		
		IRC PART No.	WORKMAN PART No.	G. E. PART No.			IRC PART No.	WORKMAN PART No.	G. E. PART No.
R124	1.2meg			EA1074	R142	1.2meg			EA1074
R125	1meg			EA1257	R143	1meg			EA1257
R135	.68Ω			EA1075	R153	.68Ω			EA1075
R136	.68Ω			EA1075	R154	.68Ω			EA1075

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA			NOTES
		G. E. PART No.	JENSEN PART No.	QUAM PART No.	
SP3	6" PM 8Ω	EA8090 ①	C6T8	6A15MT	① Used in Model TP1300BWD-A
SP4	3" PM 8Ω	EA8048 ①	T3K78	30A05Z8	
SP5	6" PM 8Ω	EA8090 ①	C6T8	6A15MT	
SP6	3" PM 8Ω	EA8048 ①	T3K78	30A05Z8	

FUSE DEVICES

ITEM No.	DESCRIPTION	REPLACEMENT DATA						
		PART No.		BUSS PART No.		LITTELFUSE PART No.		WORKMAN PART No.
		DEVICE	HOLDER	DEVICE	HOLDER	DEVICE	HOLDER	DEVICE
F2	3AG, 1 1/4 A, @ 125V, S/B	EA1072		MDV 1 1/4		3151, 25		

MISCELLANEOUS

ITEM No.	PART NAME	G. E. PART No.	NOTES
S12	Switch Printed Circuit Board	EA1071	Speaker On/Off Board Only

CABINETS & CABINET PARTS

MODEL TP1300BWD-A

(When Ordering Specify Model, Chassis & Color)

ITEM	PART No.	ITEM	PART No.
Cabinet Bottom, Walnut Veneer	EA8084	Trim Strip, Tape Deck	EA8087
Cabinet Top, Walnut Veneer	EA8083	Trim Strip, Amplifier	EA8088
Knob-Loudness, Bass, Treble and Balance	EA1254	Escutcheon, Control	EA8089
Speaker Cabinet, Walnut Veneer	EA8085	Handle	LS279
Trim Strip, Cabinet Front	LS289		