



# PHOTOFACT<sup>®</sup> with

# CIRCUITRACE<sup>®</sup>

TRADE NAME: Panasonic Model RQ-705

SUPPLIER: For Current Address, see Master Index

TYPE SET: 2-Speed, 2-Track Monaural Recorder

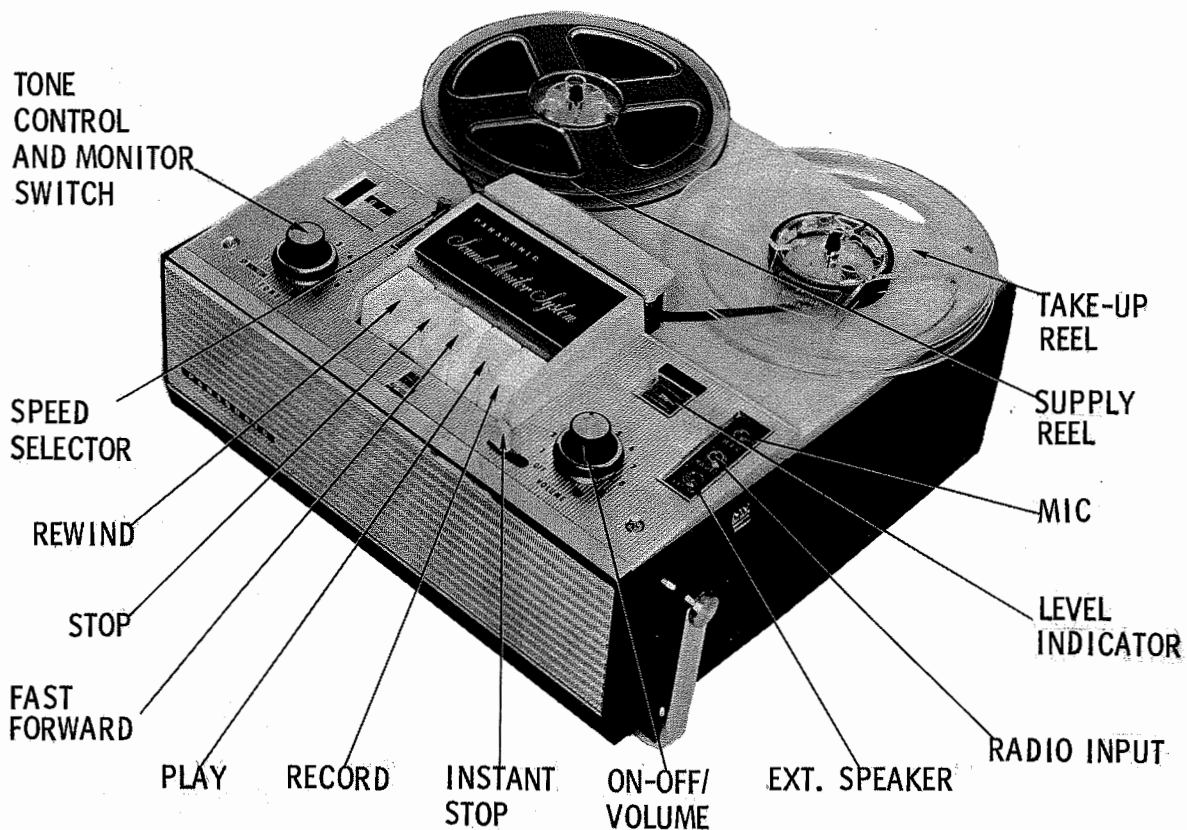
POWER SUPPLY: 110 - 120 Volts AC, 60 Cycles

RATING: 46 Watts, .65 Amp. @ 117VAC (Play)  
47 Watts, .67 Amp. @ 117VAC (Record)  
24 Watts, .37 Amp. @ 117VAC (Motor only)

This unit is a two-track monaural recorder having two speeds: 3 3/4 and 7 1/2 ips.

Input jacks are provided for connecting a microphone and radio or phono. An output jack is provided for connecting an external speaker or earphone.

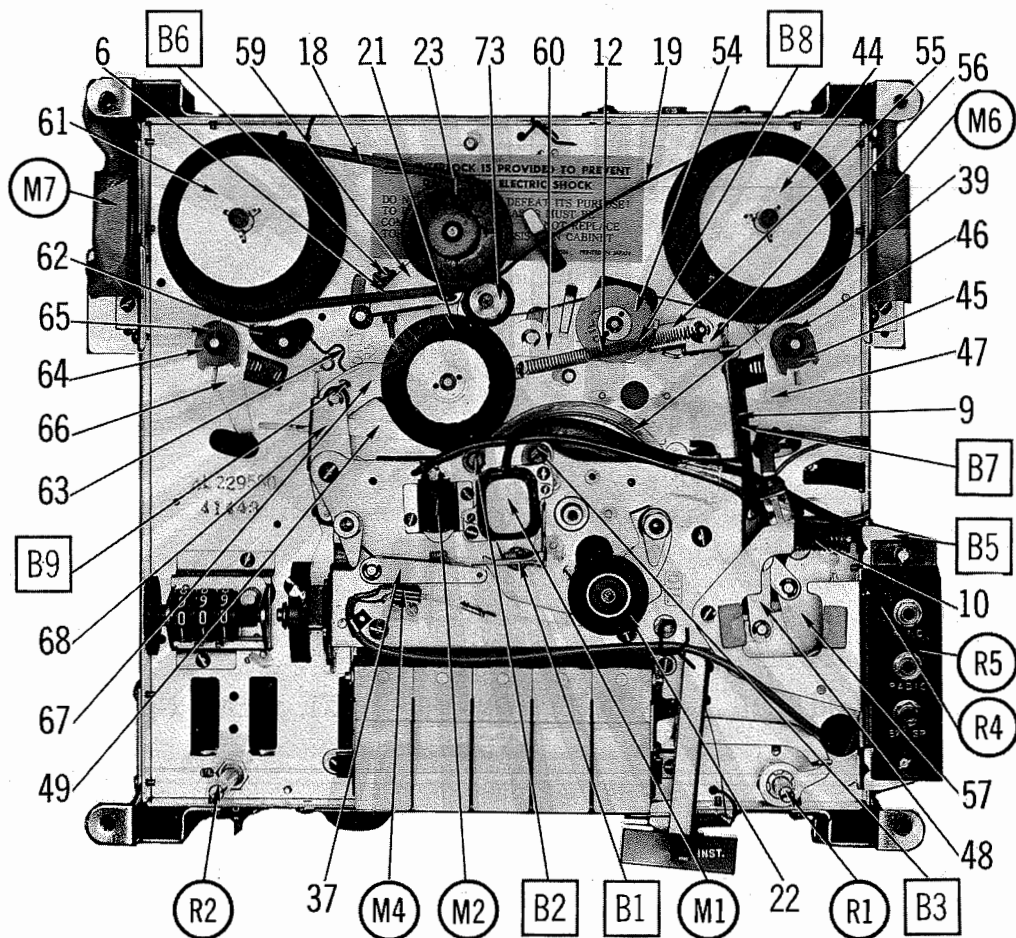
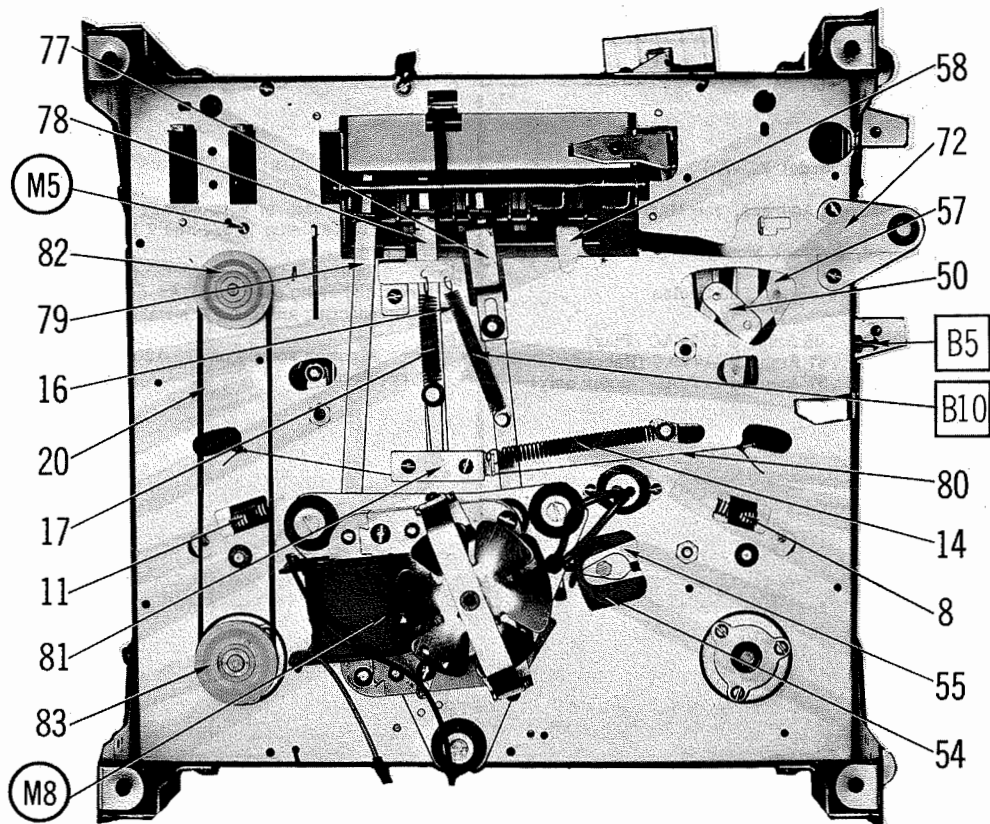
A power source of 110-120 volts AC, 60 cycles is required.



PANASONIC MODEL RQ-705

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

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# OPERATING INSTRUCTIONS

## Speed Selector

Move the speed selector lever to the rear for 7 1/2 ips, to the front for 3 3/4 ips.

## Record

1. Select the speed, connect the sound source, and thread the tape.
2. Press the Record button and adjust the recording level then press the Stop button.
3. Press the Play and Record buttons simultaneously.
4. After recording track 1, reverse and invert the reels, and repeat steps 1, 2 and 3.

## Play

1. Select the speed, thread the tape, press the Play button, and adjust the volume.
2. After playing track 1, reverse and invert the reels, and repeat step 1.

## Instant Stop

To stop the tape momentarily during Record or Play, move the Instant Stop (Cue) lever to the right. When the lever is released, Play or Record is automatically resumed.

## Monitoring

To monitor the program material while recording, turn the Tone Control and Monitor Switch to SP Monitor.

## DISASSEMBLY

1. Remove the headcover and three control knobs.
2. Remove six Phillips screws holding the deck plate.
3. From the rubber feet, remove four Phillips screws holding the chassis in the cabinet.

## CLEANING LUBRICATING HEAD DEMAGNETIZING

Refer to "General Servicing Information" on page 4.

## SEQUENCE OF OPERATION

### Speed Selector

Moving Speed Selector Lever (43) to 7 1/2 ips, pulls Drive Idler Lifting Plate (69) forward. Drive Idler Bracket Arm (68) rides down the incline on the plate, carrying Drive Idler Lever (67) with it, putting Drive Idler (21) opposite the 7 1/2-ips step on Motor Pulley (73).

When Speed Selector Lever (43) is moved to 3 3/4 ips, the foregoing action is reversed and Drive Idler (21) is moved opposite the 3 3/4-ips step on Motor Pulley (73).

### Play

Pressing the Play button releases the Stop button and moves against Play Actuator Lever (58), turning it on its pivot and causing the following actions:

A projecting lug on Play Actuator Lever (58) is moved to free Instant Stop Lever (51).

The Play Actuator Lever (58) is linked to Pressure Roller Assembly (50) and to Take-up Rod Assembly (48), causing them to move.

As the Take-up Rod Assembly moves, it pivots Tension Roller Arm (55) and Drag Brake Assembly (56), applying tension to Take-up Belt (19) and releasing the drag brake from Take-up Spindle (44).

Play Actuator Lever (58) pulls against a toggle linkage on Pressure Roller Assembly (50) which rotates the pressure roller arm, moving Pressure Roller (22) against Flywheel Capstan (39). The other part of the toggle linkage pushes against Pressure Roller Tension Lever (57), applying a predetermined pressure to the pressure roller because of Pressure Control Spring (10).

As Pressure Roller Lever Assembly (50) moves toward the capstan it releases Pressure Pad Assembly (37) and spring action moves the pad assembly against the heads.

Rotation of Pressure Roller Lever Assembly (50) releases Drive Idler Throw-out Lever (49), letting Drive Idler Spring (12) pull Drive Idler (21) against Motor Pulley (73) and Flywheel Capstan Assembly (39), thus driving the tape in Play mode.

### Record

Pushing the Record button releases the stop button and moves the record/play switch to the record position.

To start the tape moving in Record Mode the Play and Record buttons must be pushed simultaneously. The action of the Play button is then the same as described under "Play".

## Stop

Pressing the Stop button releases any other button and reverses the action of that button.

Rewind Brake (65) and Take-up Brake (46) are applied by Brake Springs (2, 3) as the brake cord is slack.

## Rewind

Pressing the Rewind button releases the Stop button and Rewind and Take-up Brakes (65, 46). Rewind Rod (79) pivots Rewind Idler Arm (59) toward Motor Pulley (73), pinching Rewind Belt (18) between Rewind Roller (23) and Motor Pulley (73). Rewind Belt (18) then drives Supply Spindle (61) clockwise.

## Fast Forward

Pressing the Fast Forward button releases the Stop button which releases Rewind and Take-up Brakes (65, 46). Fast Forward Rod (77) pivots Fast Forward

Tension Lever (60) against Tension Roller Arm (55), moving Tension Roller (54) against Take-up Belt (19), tightening the belt against Motor Pulley (73) and Take-up Spindle (44). Take-up Belt (19) then drives Take-up Spindle (44) counterclockwise.

As the Fast Forward button is locked in the down position, Fast Forward Rod Spring - A is compressed, applying the proper tension to Tension Roller (54) and Take-up Belt (19).

## Instant Stop

Instant Stop Lever (51) can be operated only in Play or Record. Moving the lever to the right brings it against Adjustment Screw B4, rotating Pressure Roller Lever Assembly (50) counterclockwise and pulling Pressure Roller (22) away from Flywheel Capstan (39). As Pressure Roller Lever Assembly (50) rotates, Instant Stop Link (63) pulls Instant Stop Brake (62) against Supply Spindle (61) and stops the supply reel. When the instant stop lever is released, play or record action is resumed.

## 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 B7 for 4 ounces.
Fast Forward Take-up Torque	Adjust B10 for 12 ounces.
Rewind Torque	Adjust B6 for 8 ounces.
Supply Reel Drag	No adjustment provided. Nominal value 1/4 ounce, measured in Forward position.
Take-up Reel Drag	No adjustment provided. Nominal value 1/8 ounce, measured in Rewind.
Pressure Roller Pressure	Adjust B5 for 2 1/2 pounds.
Brake Shoe Pressure	No adjustment provided. Nominal value 6 ounces, measured at point of contact in Stop.
Pause Brake Shoe Pressure	No adjustment provided. Positive action.
Pressure Pad Pressure	No adjustment provided. Nominal value 2 ounces, measured at point of contact.
Erase Head	No adjustment provided.
Record/ Play Head Height	Play a 2-frequency, height test tape and monitor the appropriate output. Adjust B1, B2, and B3 for equal output voltage for each frequency.

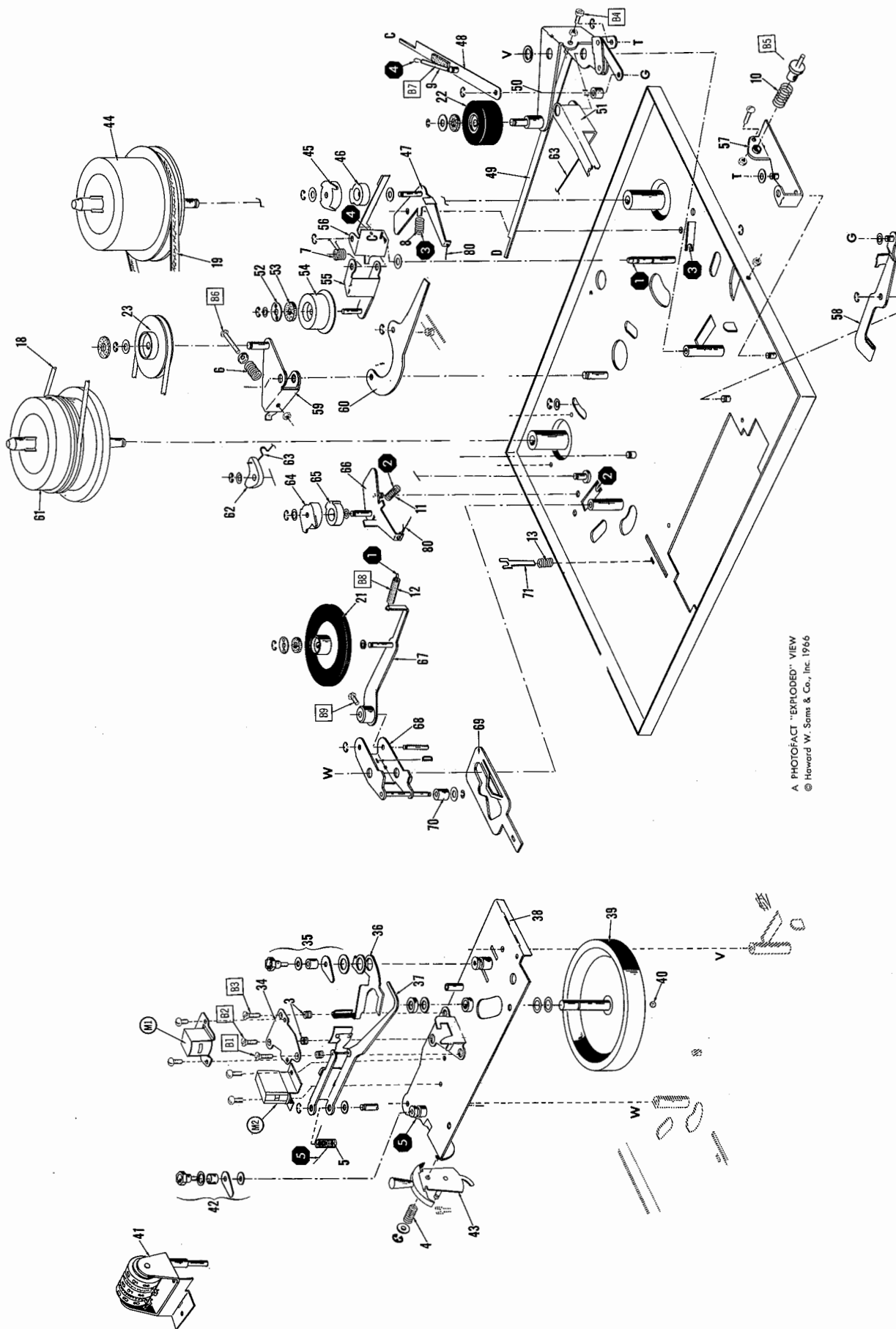
## ADJUSTMENTS (Continued)

ADJUST	REMARKS
Record/ Play Head Azimuth	Play an azimuth test tape and monitor the appropriate output. Adjust B2 and B3 for maximum output voltage.
Erase Current	No adjustment provided. Nominal current 42ma (105V rms) in the erase head.
Record Bias	No adjustment provided. Nominal bias 32V rms (.24ma) across the record head.
Bias Oscillator	Adjust L1 for 40KC.
Record Level Indicator Calibration	No adjustment provided. Normal peak level (zero on VU Meter) should be indicated when the signal level at the record head is .75V rms with pin 9 of V2 (6BL8) shorted.
Idler Wheel Pressure	Place the Speed Change Lever in 3 3/4 ips and adjust B8 for 10 ounces.
Idler Wheel Height	Loosen B9 and slip Idler Arm (67) up or down on the shaft until Drive Idler (21) engages the correct steps on Motor Pulley (73) at 3 3/4 ips and 7 1/2 ips. Retighten B9.
Instant Stop Brake	Place the recorder in Play and adjust B4 so that when the Instant Stop Lever is moved, Pressure Roller (22) starts to move away from the flywheel capstan just before Instant Stop Brake (62) engages Supply Spindle (61).

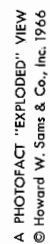
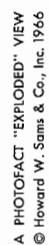
## TROUBLE CHART

**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 or Record	<ol style="list-style-type: none"> <li>1. Take-up Belt (19) worn or broken.</li> <li>2. Tension Roller (54) binding.</li> <li>3. Take-up Rod Spring (9) weak or broken.</li> </ol>
Take-up reel does not revolve in Fast Forward.	<ol style="list-style-type: none"> <li>1. Take-up Belt (19) worn or broken.</li> <li>2. Fast Forward Rod Spring - B (16) weak or broken.</li> </ol>
Take-up reel revolves rapidly in Play or Record.	<ol style="list-style-type: none"> <li>1. Pressure Roller Spring (10) weak or B5 misadjusted.</li> <li>2. Pressure Roller (22) worn.</li> </ol>
Supply reel does not revolve in Rewind.	<ol style="list-style-type: none"> <li>1. Rewind Belt (18) broken.</li> <li>2. Rewind Tension Spring (6) weak or broken.</li> <li>3. B6 misadjusted.</li> </ol>
Supply reel spills tape in forward positions.	<ol style="list-style-type: none"> <li>1. Rewind Brake Spring (11) weak, broken, or missing.</li> <li>2. Rewind Brake Shoe (65) defective.</li> </ol>
Take-up reel spills tape in Rewind.	<ol style="list-style-type: none"> <li>1. Take-up Brake Spring (8) weak, broken, or missing.</li> <li>2. Take-up Brake Shoe (46) defective.</li> </ol>
Reels do not stop immediately when Stop button is pressed.	<ol style="list-style-type: none"> <li>1. Brakes (46) and (65) worn.</li> </ol>
Neither Reel turns in Forward or Rewind Modes.	<ol style="list-style-type: none"> <li>1. Brake Cord (80) broken.</li> </ol>
Capstan does not rotate in Play or Record.	<ol style="list-style-type: none"> <li>1. Drive Idler Spring (12) weak or broken.</li> <li>2. Bearing of Drive Idler (21) binding.</li> <li>3. Flywheel bearing (39) binding.</li> </ol>



A. PHOTOFACT "EXPLODED" VIEW  
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## TROUBLE CHART (Continued)

SYMPTOM	REMARKS
Tape rides up and down between capstan and pressure roller.	<ol style="list-style-type: none"> <li>1. Pressure Roller (22) worn.</li> <li>2. Pressure roller shaft not parallel to capstan.</li> </ol>
Tapes recorded on the machine are weak or distorted.	<ol style="list-style-type: none"> <li>1. Improper Record bias amplitude.</li> <li>2. Bias Frequency too high or too low.</li> <li>3. Erase Head (M2) defective.</li> <li>4. Improper erase current.</li> </ol>
Sound is weak or distorted.	<ol style="list-style-type: none"> <li>1. Record/Play Head (M1) misaligned or defective.</li> <li>2. Pressure Pad Spring (5) weak or broken.</li> <li>3. Defective Speaker.</li> </ol>
Erase weak or inoperative.	<ol style="list-style-type: none"> <li>1. Improperly adjusted bias oscillator.</li> <li>2. Defective Erase Head (M2).</li> </ol>
Pause Lever breaks tape.	<ol style="list-style-type: none"> <li>1. B4 misadjusted.</li> </ol>
Wow or Flutter.	<ol style="list-style-type: none"> <li>1. Incorrect Pressure Roller pressure (B5 misadjusted).</li> <li>2. Pressure Roller (22) worn or dirty.</li> <li>3. Capstan dirty.</li> <li>4. Take-up reel torque incorrect.</li> <li>5. Drive Idler (21) dirty or worn.</li> </ol>
Prerecorded tapes are weak or distorted.	<ol style="list-style-type: none"> <li>1. Record/Play Head (M1) misaligned.</li> <li>2. Pressure Pad Assembly Spring (5) weak or broken.</li> </ol>

## MECHANICAL PARTS LIST

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1		Release Lever Return Spring	29		Push Button Shaft
2		Push Button Plate Spring	30		Push Button Stop
3	QBC1022	Record/Play Head Mounting Sprs.	31		Push Button Bracket
4	QBC1015	Speed Change Lever Mtg. Spring	32		Push Button Assembly
5	QAP1038	Pressure Pad Assembly Spring			Locking Retainer
6	QBC1016	Rewind Tension Spring	33		Push Button Assembly Locking Plate
7	QBN1004	Drag Brake Spring	34	QMZ1007	Record/Play Head Mtg. Plate
8	QBC1019	Take-up Brake Spring	35		Tape Guide Assembly
9	QBC1020	Take-up Rod Spring	36	QML1068	Tape Tensioner
10	QBC1021	Pressure Roller Pressure Control Spring	37		Pressure Pad Assembly
11	QBC1019	Rewind Brake Spring	38		Sub Base Plate
12	QBT1017	Drive Idler Spring	39		Flywheel Capstan Assembly
13	QBC1018	Speed Change Toggle Spring	40		Ball Bearing
14	QBT1049	Pressure Roller Arm Return Spring	41		Counter
15	QBC1017	Fast Forward Rod Spring - A	42		Tape Guide Assembly
16	QTB1050	Fast Forward Rod Spring - B	43		Speed Change Lever
17	QTB1048	Brake Rod Spring	44		Take-up Spindle
18	QDB0021	Rewind Belt	45	QBJ1021	Plastic Brake Cover, Right
19*	QDB0022*	*Take-up Belt	46	QGG1028	Take-up Brake Shoe
20*	QDB0003*	*Counter Belt	47		Brake Lever, Right
21		Drive Idler	48		Take-up Rod Assembly
22		Pressure Roller	49	QMR1014	Drive Idler Throw-out Lever
23		Rewind Roller	50		Pressure Roller Lever Ass'y.
24		Rewind Button Assembly	51		Instant Stop Lever Assembly
25		Stop Button Assembly	52	QWQ1023	Felt Ring Retainer
26		Fast Forward Button Assembly	53	QBF1049	Felt Ring
27		Play Button Assembly	54	QDP1021	Tension Roller
28		Record Button Assembly	55	QML1062	Tension Roller Arm
28A		Push Button Springs	56		Drag Brake Assembly
			57		Pressure Roller Tension Lever



## MECHANICAL PARTS LIST (Continued)

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
58		Play Actuator Lever	72		Record/Play Switch Arm
59	QML1059	Rewind Idler Arm	73	QDP1009	Motor Pulley
60	QML1061	Fast Forward Tension Lever	74		Grommet
61		Supply Spindle	75		Cap
62	QBJ1045	Instant Stop Brake	76	QHQ1010	Mounting Screw
63	QMR1018	Instant Stop Link	77		Fast Forward Rod
64	QBJ1046	Plastic Brake Cover, Left	78		Brake Rod
65	QGG1028	Rewind Brake Shoe	79		Rewind Rod
66		Brake Lever, Left	80		Brake Cord
67	QML1067	Drive Idler Lever	81	QBJ1048	Brake Cord Guide
68		Drive Idler Bracket Arm	82		Counter Pulley - B
69	QML1058	Drive Idler Lifting Plate	83		Counter Pulley - A
70	QMS1064	Spacer	84	QMN1041	Fast Forward Bracket
71	QKT1090	Toggle Arm	85	QMN1045	Spring Bracket

\* Take-up Belt WALSCO Part No. 1409-04

\* Counter Belt WALSCO Part No. 1410-61

## PARTS LIST AND DESCRIPTION

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

### TUBES

* AMPEREX *			* GENERAL ELECTRIC *			* RCA *			* SYLVANIA *		
ITEM No.	USE		TYPE			ITEM No.	USE		TYPE		
V1	AF Amplifier		6267			V3	Output		30A5		
V2	AF Amp.-Bias Oscillator		6BL8								

### POWER RECTIFIERS & SIGNAL DIODES

ITEM No.	MEASURED CURRENT	ORIGINAL Part or Type No.	RECTIFIERS				DIODES
			GENERAL ELECTRIC PART No.	MALLORY PART No.	RCA PART No.	SARKES TARZIAN PART No.	
X1	.055	KCO, 8C11/10	1N1694	1N2094 or 1N2070 or 1N3194	SK-3016 or SK-3017	F-6 or 60H	
X2		OA70					1N34AS

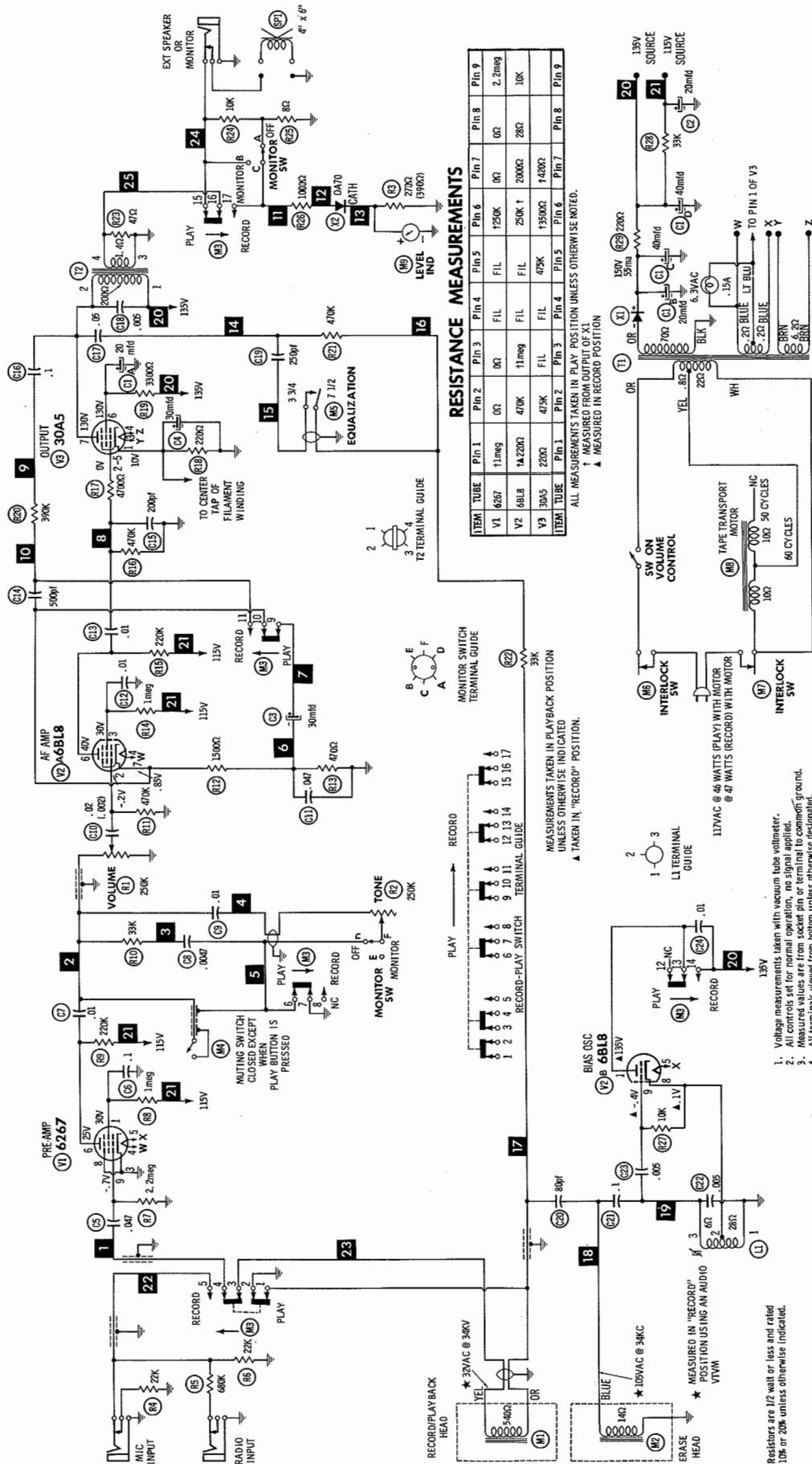
### ELECTROLYTIC CAPACITORS

ITEM No.	RATING		REPLACEMENT DATA					
	CAP.	VOLT.	PANASONIC PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.	SPRAGUE PART No.
C1A	60	250	ECE-E250V					
B	40	250	BX1Z					
C	20	250						
C2	20	250	ECE-C250V20	PRS1570	BR20-250	QT1-9	TC55	TVA-1508
C3	30	3	ECE-A3V30	BCD3035	NLW35-3	MT1-13	PET130	VL-1043
C4	30	15	ECE-A15V30	BCD15035	NLW30-15	MT1-14	TT15X30	VL-1172

### CAPACITORS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA					
			AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ELMENCOR PART No.	MALLORY PART No.	SPRAGUE PART No.
C5	.047		P288N-047	DD-503	PM2S47	4DP-3-473	PVC2147	2TM-847
C6	.1 250V		P488N-1	DF-104	PM4P1	4DP-3-104	GEM401	4TM-P10
C7	.01 400V		P488N-01	D6-103	PM4S1	4DP-1-103	GEM411	4TM-S10
C8	.0047		P688N-0047	DD-472	PM6D47	6DP-1-472	GEM6247	6TM-D47
C9	.01		P488N-01	D6-103	PM4S1	4DP-1-103	GEM411	4TM-S10
C10	.02		P288N-02	DD-203	PM2S22	4DP-2-203	PVC212	2TM-820
C11	.047		P288N-047	DD-503	PM2S47	4DP-3-473	PVC2147	2TM-847
C12	.1 250V							
C13	.01 400V		P488N-01	D6-103	PM4S1	4DP-1-103	GEM411	4TM-S10
C14	470 125V			CPR-470J	22R5T47JF	CM-20D-471	SX347	MS-347
C15	470 125V			CPR-470J	22R5T47JF	CM-20D-471	SX347	MS-347
C16	.1 250V		P488N-1	DF-104	PM4P1	4DP-3-104	GEM401	4TM-P10
C17	.1 250V		P488N-1	DF-104	PM4P1	4DP-3-104	GEM401	4TM-P10
C18	.0047 400V		P688N-0047	D6-472	PM6D47	6DP-1-472	GEM6247	6TM-D47
C19	250		ADM-15-251	DD-251	CD10E251J500	CM-15-E-251	GP325	MS-325
C20	90 5%		CM-15E-910	TCZ-91	22R5Q91JF	CM-15-E-910	SX491	MS-491
C21	.1 250V		P488N-1	DF-104	PM4P1	4DP-3-104	GEM401	4TM-P10
C22	.0047 250V			CPR-4700J	1R5D47JF	CM-30-E-472	SX247	MS-247
C23	.0047 400V		P688N-0047	D6-472	PM6D47	6DP-1-472	GEM6247	6TM-D47
C24	.01 400V		P488N-01	D6-103	PM4S1	4DP-1-103	GEM411	4TM-S10

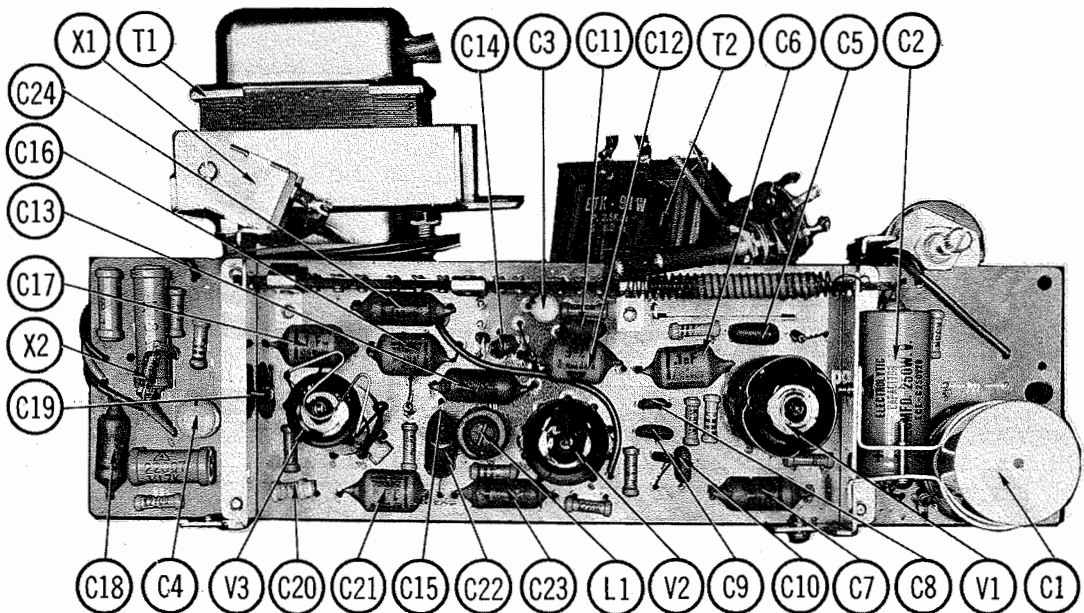
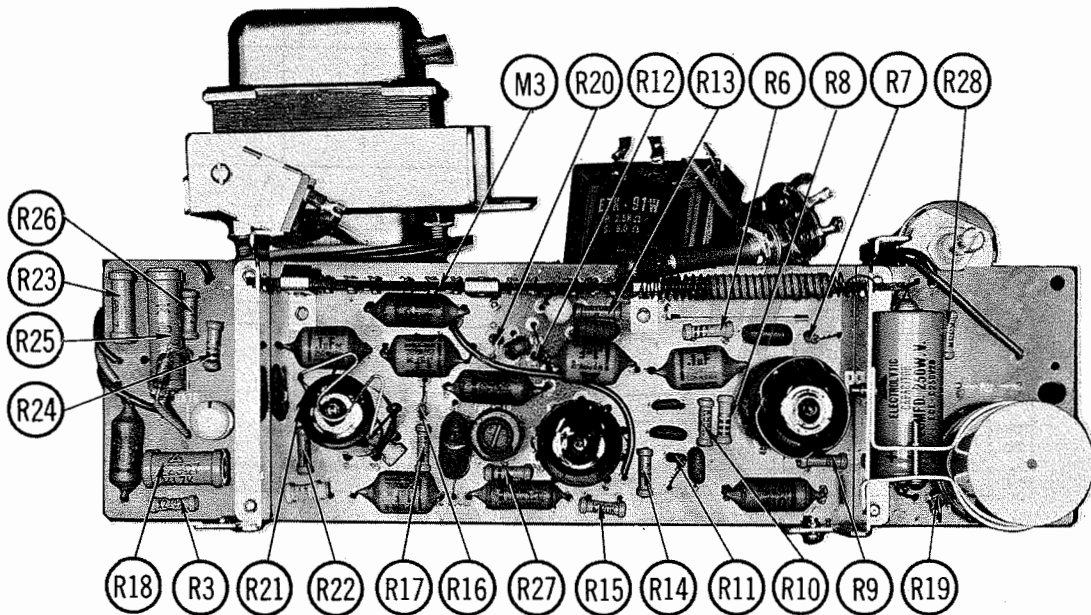
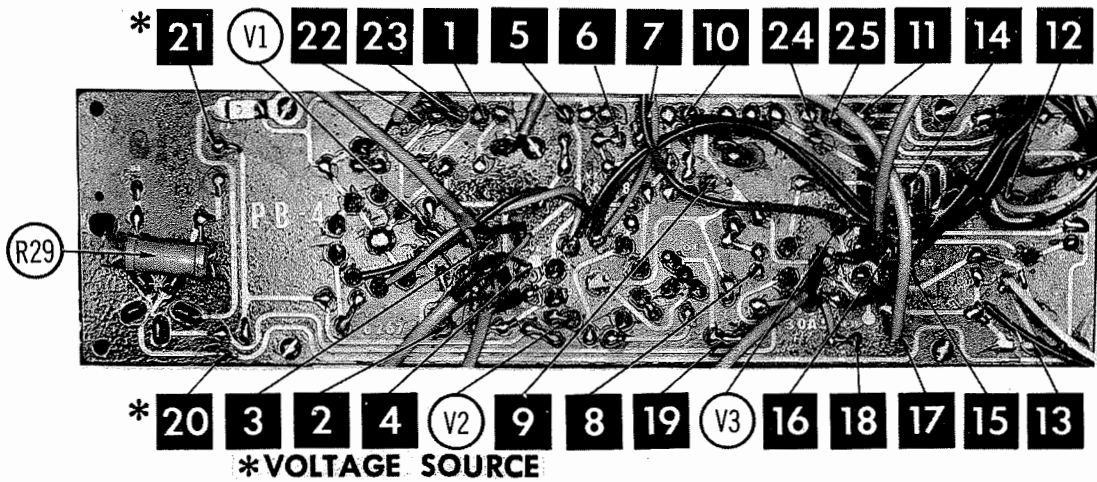
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PANASONIC MODEL RQ-705

ARROWS INDICATING TUBE LOCATIONS ARE  
POINTING TO PIN 1 UNLESS OTHERWISE INDICATED

A Howard W. Sams CIRCUITRACE® Photo



PANASONIC MODEL RQ-705

# 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				
			PANASONIC PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS-IRC PART No.	MALLORY PART No.
R1	Volume & On-Off Sw.	250K	EVC-A4CL 50AFS	F2-250K ①, SSK200, KR-1	A47-250K-Z ①, KSS-3, SWE-12	Q13-130 ①, 76-1 or (BU1 ①, CF23, SS1, GC)*	RU254A, SL36, SL3250, US41 or (UA254A ①, SL3500, US41) or (U44 ①, US26)
R2	Tone & Monitor Sw.	250K	EVC-A4QL 50AFS	F2-250K ①, SSK200, KR-2	A47-250K-Z ①, KSS-3, SWE-20	Q13-130 ①, 76-2, or (BU1 ①, CF23, SS1, WF)*	RU254A, SL36, SL3250, US42 or (UA254A ①, SL3500, US42) or (U44 ①, US27)

\* "SNAPTROL" ① Enlarge Mtg. Hole.

## COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA					
		PANASONIC PART No.	MEISSNER PART No.	MERIT PART No.	MILLER PART No.	STANCOR PART No.	WORKMAN PART No.
L1	Bias Oscillator	QLB113					

## TRANSFORMER (POWER)

ITEM No.	RATING			REPLACEMENT DATA					NOTES
	PRI.	SEC. 1	SEC. 2	PANASONIC PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T1	117V @ .300A Tap @ 100V	145V @ .055A	30V @ .150A	QLP323					
	SEC. 3	SEC. 4	SEC. 5						
	6.3VCT @ .620A								

## TRANSFORMER (AUDIO OUTPUT)

ITEM No.	IMPEDANCE		REPLACEMENT DATA					NOTES
			PANASONIC PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
	PRI.	SEC.						
T2	2500Ω	8Ω	QLA308	A-4097 ①	A-3849 ①	22S86	S-62X ①	① Drill New Mounting Hole(s)

## SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		PANASONIC PART No.	QUAM PART No.	
SP1	4" x 6" PM 8Ω	EAS15D28SJ	46A15Z8	

## TAPE HEADS

ITEM NO.	MEASURED			PANASONIC PART NO.	NORTONICS PART NO.	DESCRIPTION
	INDUCTANCE	BIAS/ERASE VOLTS (RMS)	BIAS FREQ.			
M1	740mh	32	34KC	QWY0001W	3100 & QK-66	2-Track Monaural Record/Play
M2	10mh	105	34KC	QWY0200W	3600 & QK-19	2-Track Monaural Erase

## MISCELLANEOUS

ITEM No.	PART NAME	PANASONIC PART No.	NOTES
M3	Switch	ESD0128	Play/Record (Slide)
M4	Switch	QSB0107	Mute (Leaf)
M5	Switch	QSB0113	Equalization (Leaf)
M6	Switch		Interlock (Leaf)
M7	Switch		Interlock (Leaf)
M8	Motor	2L-22C1	
M9	Meter	QSL0021	
	Microphone	WM2026 (P)	

## CABINETS & CABINET PARTS

(When Ordering Specify Model, Chassis & Color)

ITEM	PART No.	ITEM	PART No.
Cover, Head	QGH1016	Knob, Speed Selector	QGT2108
Knob, Instant Stop	QGT2009	Handle	QKH1008

## 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)