

PARTS LIST AND DESCRIPTION (CONTINUED)
(When ordering parts, state Model, Part Number, and Description.)

COILS (RF-IF)

ITEM No.	FUNCTION	REPLACEMENT DATA			REMARKS
		PART No.	OTHER IDENTIFICATION	MILLER PART No.	
L101	FM Ant		ACA-20		
L102	FM RF Input		ACR-39		
L103	RF Choke		ACP-18		
L104	FM Osc		ACO-35		
L701	RF Choke		ACP-11		
L702	RF Choke		ACP-11		
L901	AM Ant				
T101	FM IF		297-4		
T201	AM Osc		80-1024		
T202	AM IF		7SA-04		
T203	AM IF		7SA-05		
T204	AM IF		7SA-06		
T205	Ratio Det. (Pri.)		10SC03		
T206	Ratio Det. (Sec.)		10SF04		
T301	19kHz Input		SHT-11		
T302	38kHz Output		SHT-12		

TRANSFORMER (Power)

ITEM No.	RATING		REPLACEMENT DATA			NOTES
	PRI.	SEC. 1	MFGR. PART No.	THORDARSON PART No.	TRIAD PART No.	
T1	120VAC @ 455mA AC	18.25VAC @ 1.987 amp DC	PT-2008YA			
	SEC. 2	SEC. 3				
	11.77VAC @ 184mA DC Tap @ 5.71VAC @ 230mA AC					

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
CF201	Filter	SFE-10.7mA	
CR301	RC Network	F19	
CR302	RC Network	F19	
J1	Jack	LJ-039-1A-1	Headphone
M1	Tape Head		4-Track Stereo Cassette Player
M2	Tape Head		8-Track Stereo Player
M3	Solenoid		Headshift
M4	Motor		Tape Transport (2000 rpm @ 12.75VDC)
PL1	Lamp	ML06V30L480CL4.7	Stereo Indicator (4.43V @ 23.6mA)
PL2	Lamp	ML6.3V200	Dial (5.71VAC @ 179.1mA)
PL7	Lamp	ML06V50L48CL4.7	Cassette Indicator (5.71VAC @ 49.8mA)
Sa1	Switch	ESR-E245K25Z	Mode Select (AM/FM/FM-Stereo/Phono/Tape)
Sa2	Switch	(1)	Mode Select (AM/FM/FM-Stereo/Phono/Tape)
Sa3	Switch	(1)	Mode Select (AM/FM/FM-Stereo/Phono/Tape)
Sa4	Switch	(1)	Mode Select (AM/FM/FM-Stereo/Phono/Tape)
Sb1-6	Switch		Tape Select (8-Track/Cassette)
Sc	Switch		Auto Stop (Magnetically Operated)
Sd	Switch	SW-9	Program Indicator (actuated by headshift solenoid)
Se	Switch	S-J1926	Tape Power (actuated by insertion of cartridge)
Sf	Switch		8-Track Manual Program Select
Sh	Switch		8-Track Sensing Pole (actuated by foil on tape)
	Printed Circuit Board	TRP-G41UM	

(1) Part of Sa1.

CABINETS & CABINET PARTS (When ordering specify model, chassis & color)

ITEM	PART No.	ITEM	PART No.
Cabinet	58226/4645B	Knob, Channel	99440/4645B
Cabinet, Back	58227/4645B	Knob, Fast Forward	99441/4645B
Front Panel	57001B/4645B	Knob, Slide	99439/4645B

WIRING DATA

General-use Unshielded Hook-up Wire	Use BELDEN No. 8528 (Solid) Available in 13 Colors
Power Cord	8522 (Stranded) Available in 13 Colors
	Use BELDEN No. 17106 (Plastic) -6 Ft.
	17109 (Plastic) -9 Ft.
Low-loss Shielded Lead (Interconnection) .	Use BELDEN No. 8401 or 8421

SET 1805 FOLDER 4

PHOTOFACT® Folder with CIRCUITRACE™

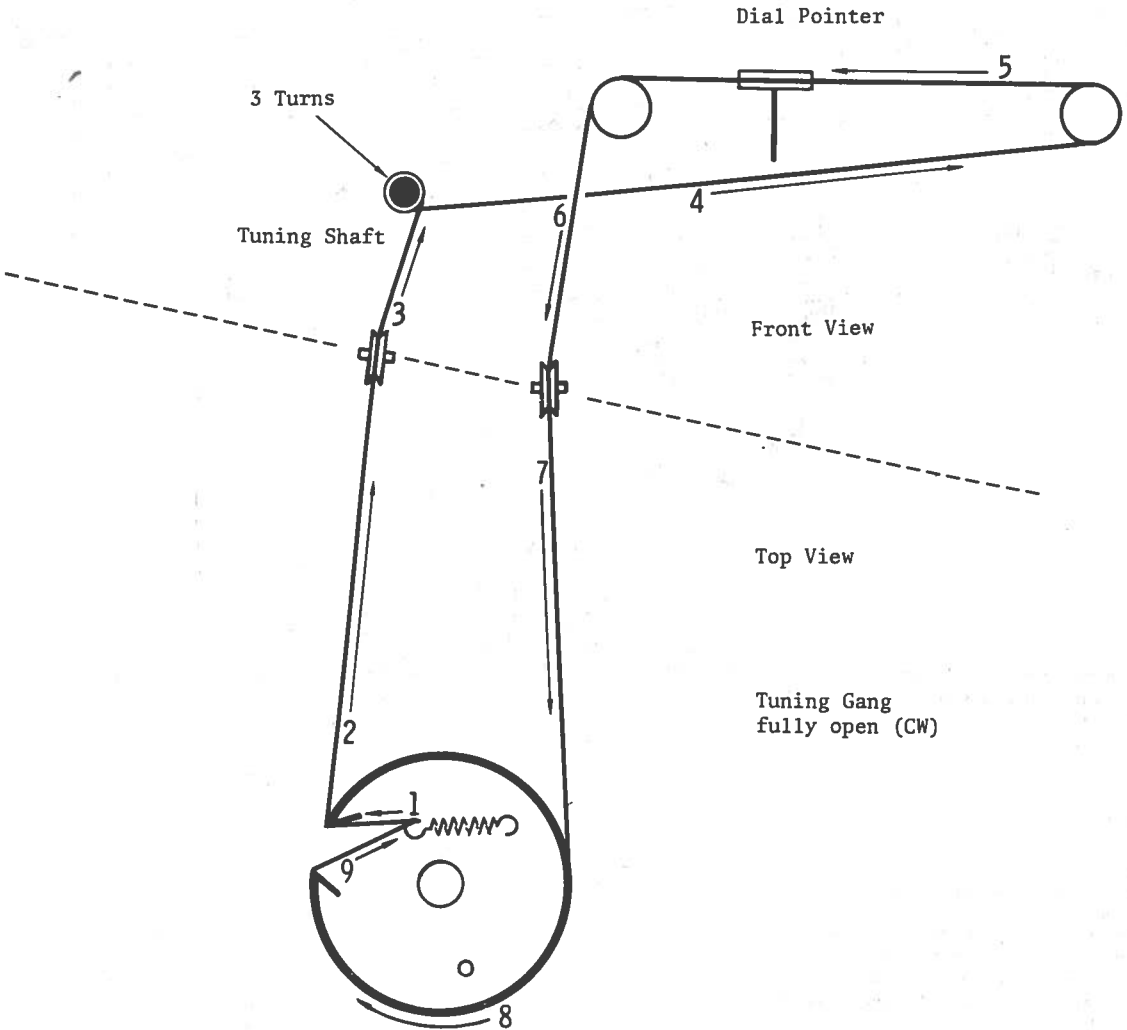
For Supplier Address See PHOTOFACT Index

SOUNDESIGN MODELS
4645B, 4858



MODEL 4645B

DIAL CORD STRINGING



SOUNDESIGN MODELS
4645B, 4858

SET 1805 FOLDER 4

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

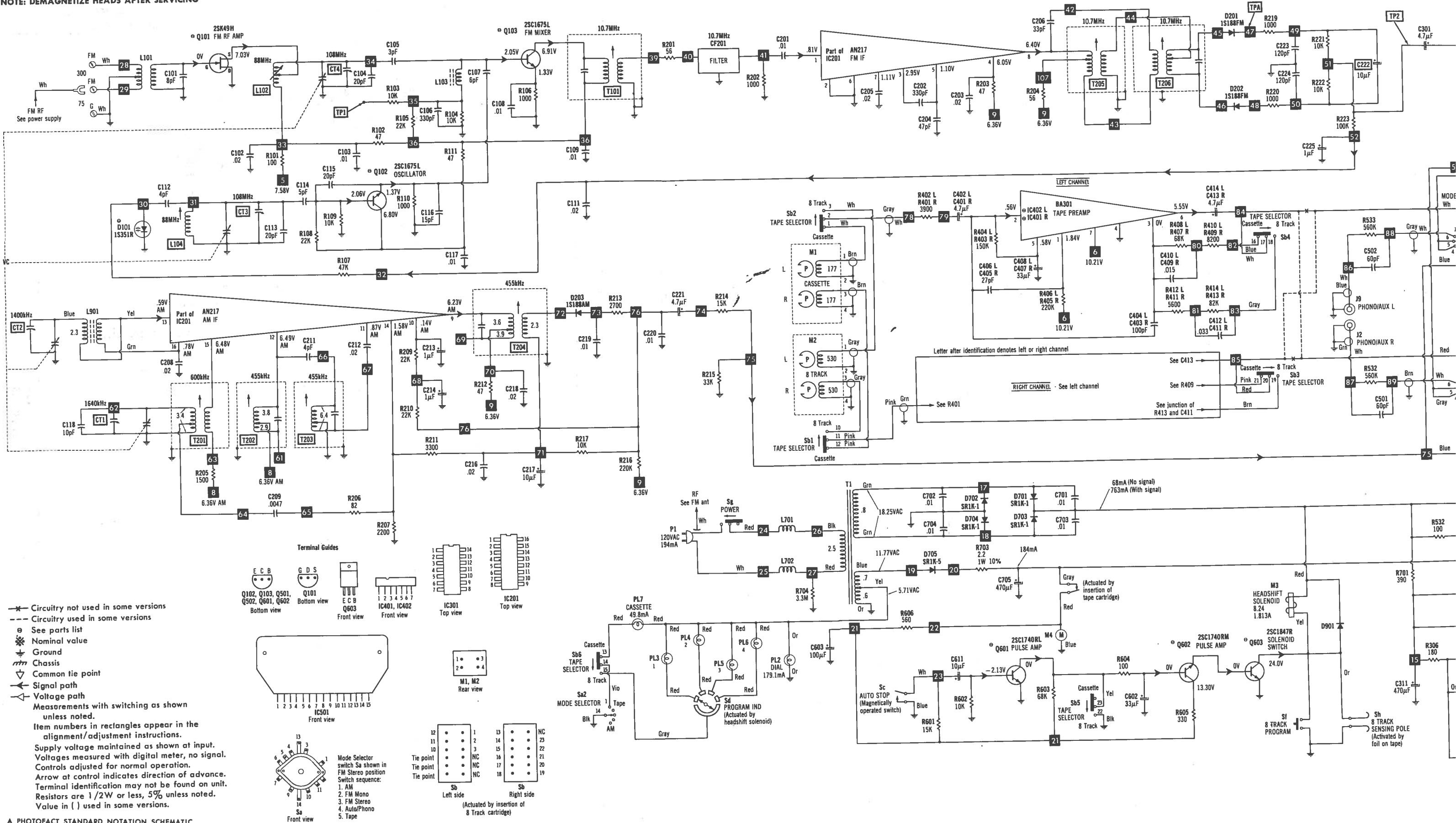


The listing of any available replacement part herein does not constitute in any case a recommendation, warranty or guaranty by Howard W. Sams & Co., Inc., as to the quality and suitability of such replacement part. The numbers of these parts have been compiled from information furnished to Howard W. Sams & Co., Inc., by the manufacturers of the particular type of replacement part listed. 8PL2119

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DATE 3-79 SET 1805 FOLDER 4

NOTE: DEMAGNETIZE HEADS AFTER SERVICING



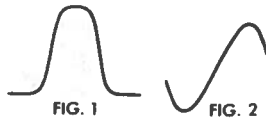
A PHOTOFAC STANDARD NOTATION SCHEMATIC
WITH CIRCUITRACE®

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ALIGNMENT INSTRUCTIONS

CAUTION: Use isolation transformer or observe polarity when connecting test equipment. Connect low sides of generator and indicator to ground unless specified otherwise. Maintain line voltage at 120V AC. Allow a 15-minute warm-up period. Use only enough generator output to obtain a suitable indication.

Suggested Alignment Tools: GC ELECTRONICS:
T201,T205,T206,T301,T302 9293-9394
CT1 thru CT4 5000
T101,T202,T203,T204 8728



AM ALIGNMENT—SELECTOR IN AM POSITION

Connect generator across loop fashioned of several turns of wire. Set volume at maximum.

GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
455kHz 400-hertz Modulation	Tuning gang fully open	Output meter across voice coil	T204,T203 T202	Adjust for maximum. Repeat until no further improvement is noted.
600kHz	600kHz	"	T201	Adjust for maximum.
1640kHz	1640kHz	"	CT1	Adjust for maximum.
1400kHz	1400kHz	"	CT2	Adjust for maximum. Repeat AM alignment until no further improvement is noted.

FM IF ALIGNMENT USING AM SIGNAL GENERATOR—SELECTOR IN FM POSITION

High side of generator thru .001uF to TP1

GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
10.7MHz Unmodulated	Point of non- interference	DC probe of VTVM to TPA	(1) T205 T101	Adjust for maximum.
"	"	DC probe of VTVM to TP2	T206	Adjust for zero reading. A positive or negative reading will be obtained on either side of correct setting.

FM IF ALIGNMENT USING FM SIGNAL GENERATOR—SELECTOR IN FM POSITION

High side of generator thru .001uF to TP1
Use 60-hertz, frequency-modulated signal, 450kHz sweep.
Use 60-hertz sawtooth voltage in scope for horizontal deflection.

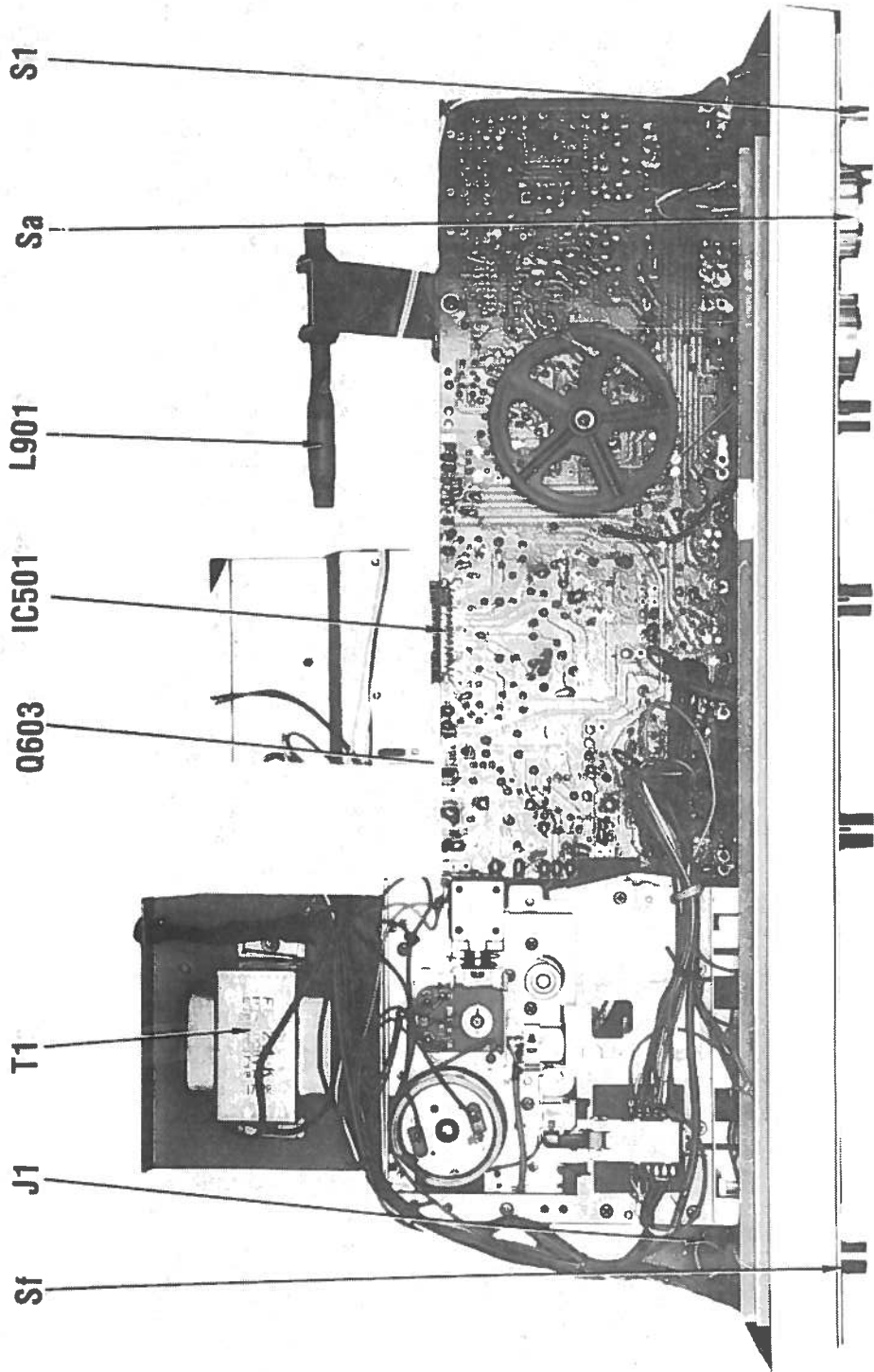
GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
10.7MHz 450kHz Sweep	Point of non- interference	Vert input of scope to TPA	(1)T205 T101	Disconnect stabilizing capacitor C222 Adjust for maximum gain and symmetry of response similar to Fig. 1. Reconnect C222.
"	"	Vert input of scope to TP2	T206	Adjust T206 for maximum amplitude and straightness of line, similar to Fig. 2.

FM RF ALIGNMENT—SELECTOR IN FM POSITION

Connect generator across antenna terminals with 120-ohm carbon resistor in series with each lead. Adjustment of coils by bending should not be attempted unless the coil is deformed or replaced.

GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
88MHz Unmodulated	88MHz	DC probe of VTVM to TPA	L104,L102	Adjust for maximum.
108MHz Unmodulated	108MHz	"	CT3,CT4	Adjust for maximum. Repeat FM RF steps until no further improvement is noted.

(1) Before adjusting, vary generator frequency slightly. Maximum output indicates exact IF.



SOUNDESIGN MODELS
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FOLDER 4

OVERALL-TOP

CLEANING

Clean all tape contact surfaces with a soft, lint-free material and head cleaner or methyl alcohol. Use alcohol to remove oil and grease from all driving surfaces.

CAUTION: Avoid getting head cleaner on any plastic surface.

LUBRICATING

Bearings are oil-less type and do not need lubrication. Lubricate bushings lightly with #20 machine oil. Use a light film of nonhardening grease on cam surfaces.

HEAD DEMAGNETIZING

Demagnetize head when unit is serviced. Avoid using magnetic materials near head.

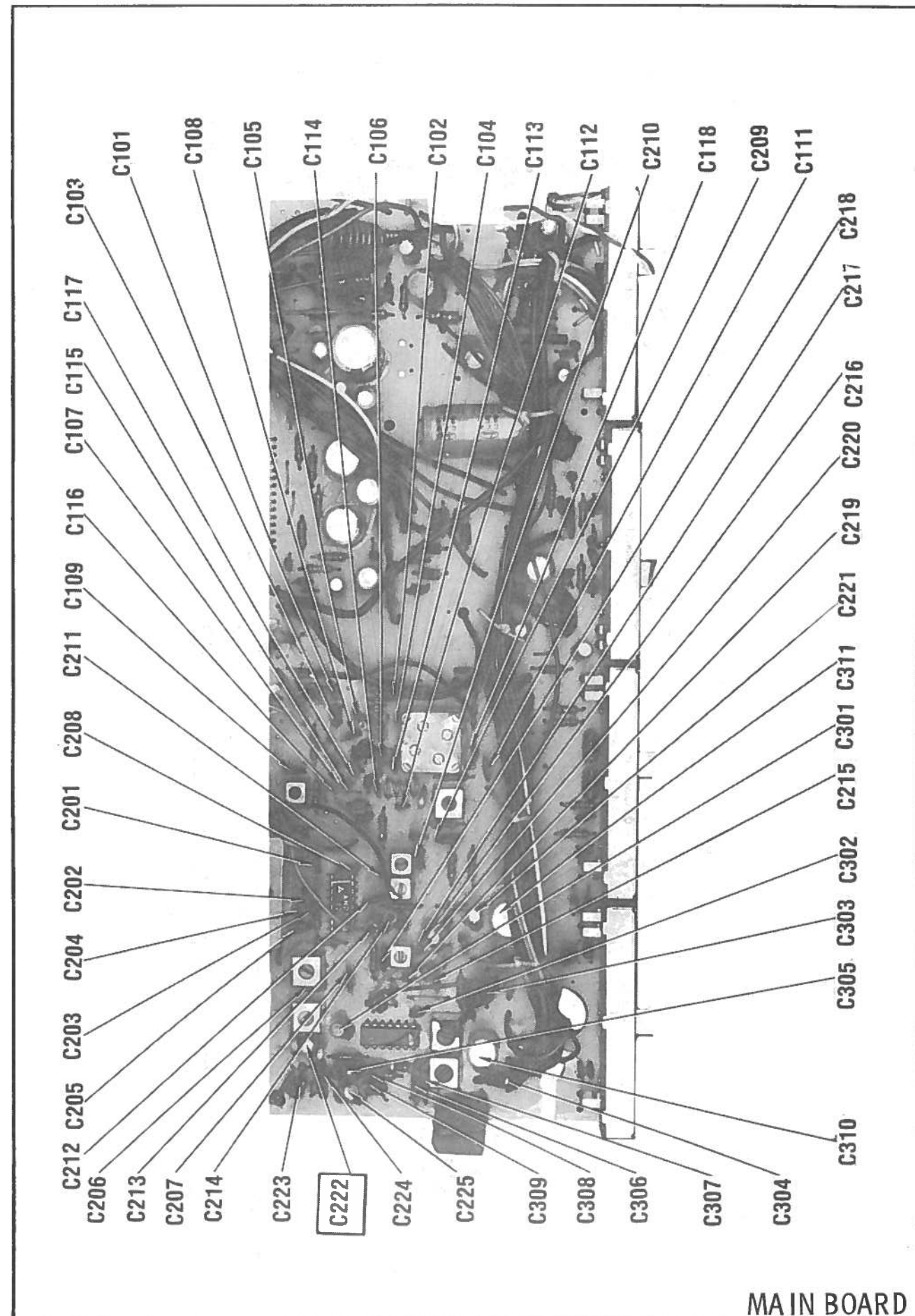
ADJUSTMENTS

- All torque measurements are made at a tape speed of 1-7/8 ips with a spring scale applied to a point 1 in. from spindle center.
- 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	Nominal value 1 oz. No adjustment provided.
Fast Forward Torque	Nominal value 1 oz. No adjustment provided.
Rewind Torque	Nominal value 1 oz. No adjustment provided.
Pressure Roller Pressure	Nominal value 14 oz. No adjustment provided.
Head Azimuth (cassette)	Connect meter across speaker, play an azimuth-test tape and adjust Screw 111 for maximum output.
Head Azimuth (8 Track)	Play a test cartridge and adjust Screw 98 for maximum on meter across output.
Head Height (8 Track)	Play a test cartridge, follow instructions with cartridge, and adjust Nut 73 for proper response.

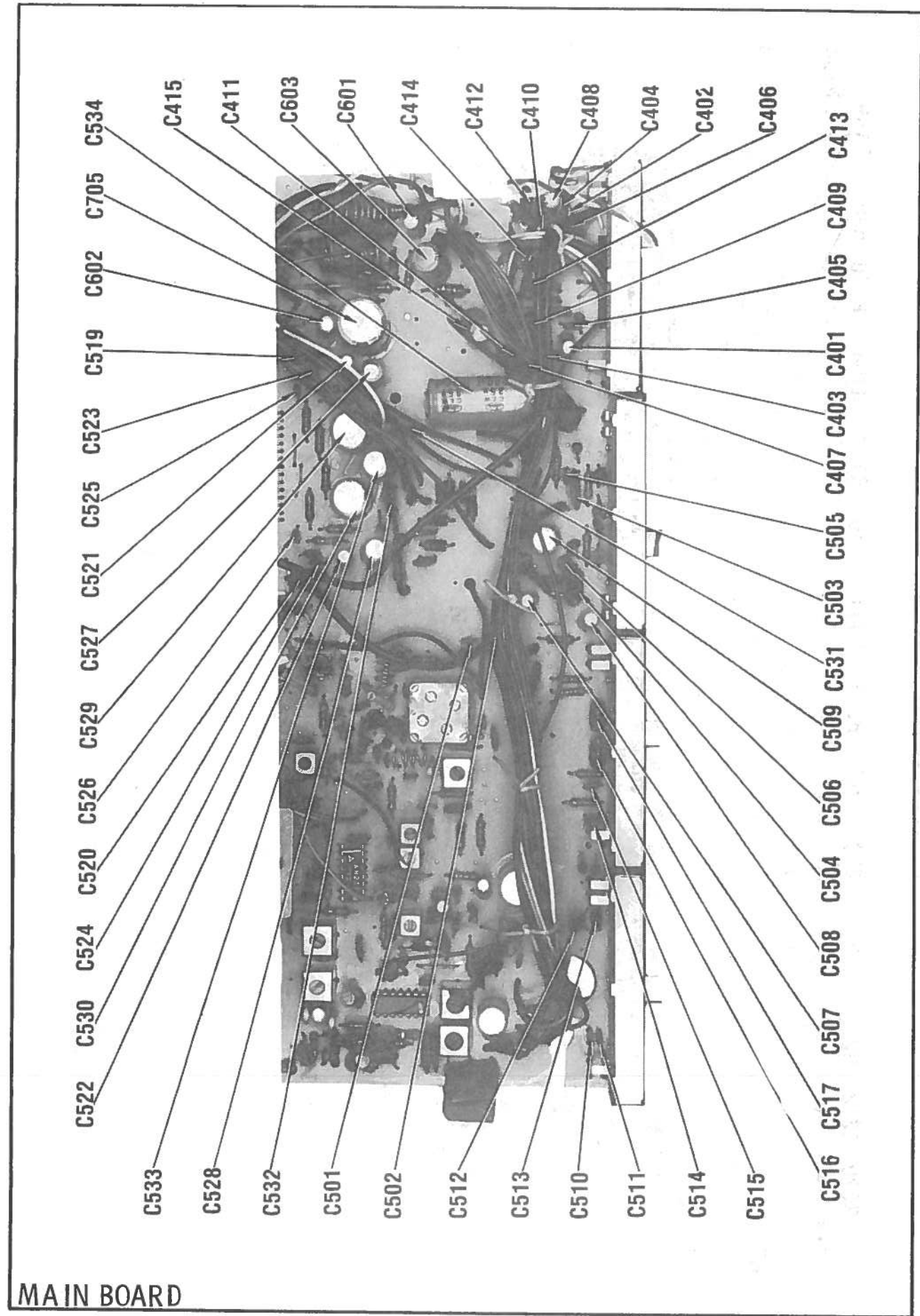
TROUBLE CHART

SYMPTOM	REMARKS
Capstan does not rotate.	Belt 77 dirty, worn, or broken. Assembly 76 binding. Motor defective or not supplied with power.
Track-shift mechanism inoperative	Switch Sh dirty. Cam 75 binding or worn. Pawl 54 worn. Assembly 50 binding. Solenoid M3 defective or not supplied with power. Cartridge defective.
Wow or flutter	Belt 77 dirty or worn. Capstan dirty or binding. Cartridge defective. Motor defective.
Sound weak or distorted	Head dirty, misaligned, or defective. Cartridge defective. Amplifiers defective.
Tape is pulled from cartridge.	Cartridge defective. Capstan dirty or scored.
Cassette erratic or inoperative in Play	Spindle 30 dirty, worn or binding. Clutch 30A dirty or worn. Belt 28 dirty, worn or broken.



SOUNDESIGN MODELS
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FOLDER 4



MAIN BOARD

TROUBLE CHART (Continued)

SYMPTOM	REMARKS
Takeup erratic or inoperative in fast forward	Spindle 30 dirty, worn or binding. Idler 63 dirty, worn or binding. Belt 28 dirty, worn or broken.
Capstan does not rotate	Belt 77 dirty, worn or broken. Flywheel binding. Motor defective or not supplied with power.
Tape rides up and down between capstan and pressure roller.	Capstan bent. Roller 66 worn. Excessive take-up torque.
Wow or flutter	Roller 66 dirty or worn. Belt 77 dirty or worn. Bearing 6A binding. Cassette defective. Motor defective. Excessive take-up torque.

MECHANICAL PARTS LIST

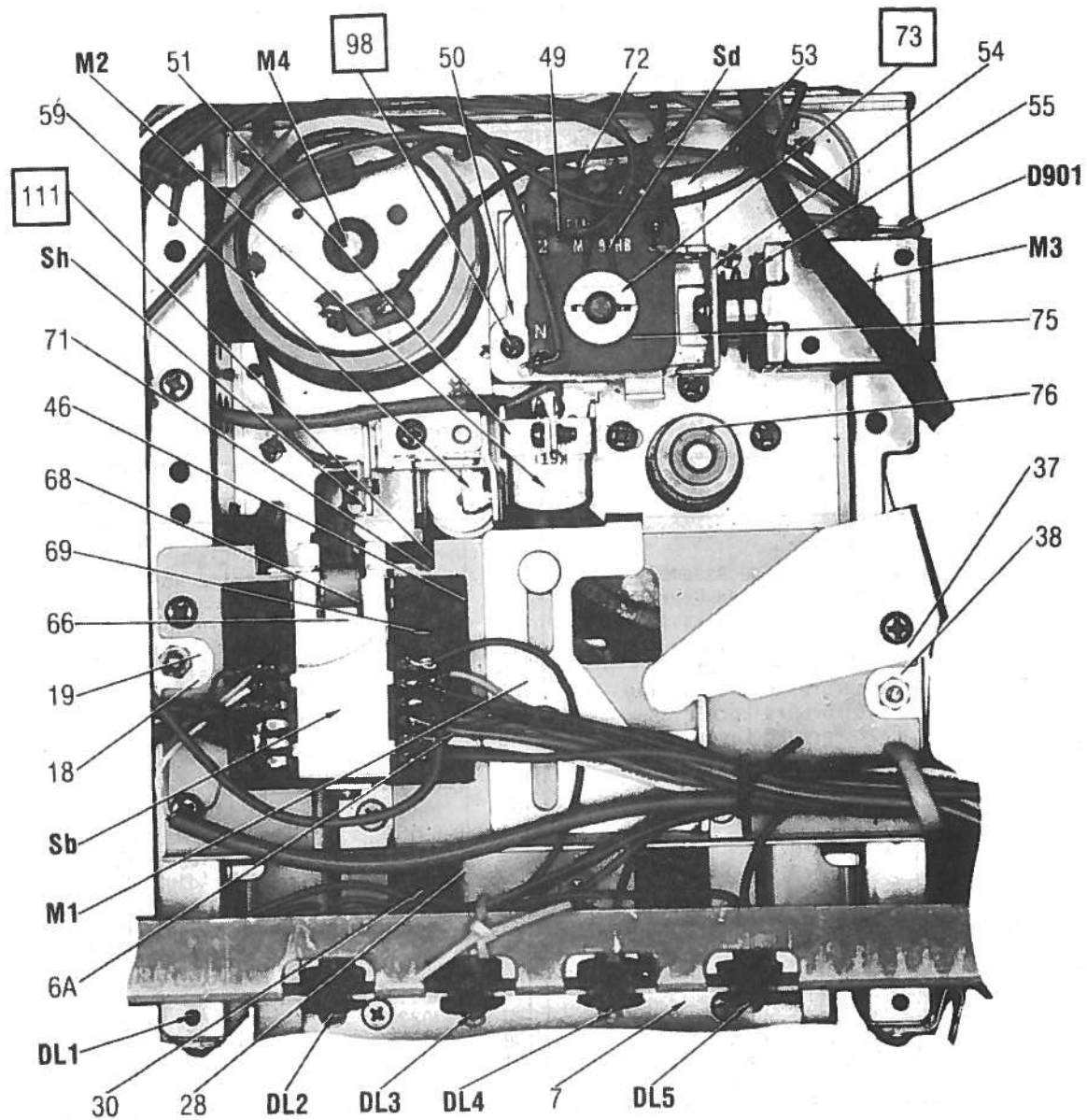
REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
2		Motor Pulley	51	A-0004	Head Clamp
6		Cassette Slide Assembly	53		Cassette Release Lever
6A	(1)	Cassette Capstan Bearing	54	A-X003	Pawl
7	A-X008	Cassette Chassis Assembly	55	D0001	Solenoid Spring
18	D-0004	Guide Spring Left	59	A-0009	Cassette Lock Plate
19		Cassette Guide Left	60	D-0008	Lock Plate Spring
23	D-0005	Fast Forward Look Spring	61		Idler Arm
24	A-0024	Fast Forward Lock Plate	62	D-0016	Idler Spring
25	A-X015	Fast Forward Lever	63		Idler
27	D-0009	Fast Forward Lever Spring	66*	*	Pinch Roller*
28*	E-0004*	Take-up Belt*	68	D-0002	Pinch Roller Spring
30		Take-up Spindle	69		Head Plate
30A	(2)	Clutch Felt	71	D-0015	Cassette Azimuth Spring
31		Cassette Slide Spring	72	D-0013	Height Adjust Spring
32	C-X004	Cassette Flywheel	73	B-0007	Height Adjust Nut
36	D-0006	Cartridge Detent Spring	75		Track Changing Cam
37	D-0003	Guide Spring Right	76	C-X002	8 Track Capstan Bearing
38	A-0033	Cassette Guide Right	77*	*	Flywheel Drive Belt*
40	F-0001	Detent Roller	78	C-X001	8 Track Flywheel
41	A-X005	Detent Arm	79	E-0011	Thrust Bearing
46	D-0012	Head Plate Spring	80	A-0023-1	Flywheel Retainer
48		Cassette Slide Spring	98		8 Track Azimuth Adjust Screw
49	D-0014	8 Track Azimuth Spring	111		Cassette Azimuth Adjust Screw
50	A-X002	Head Shifting Assembly			

- (1) Part of Assembly #6.
(2) Part of Assembly #30.

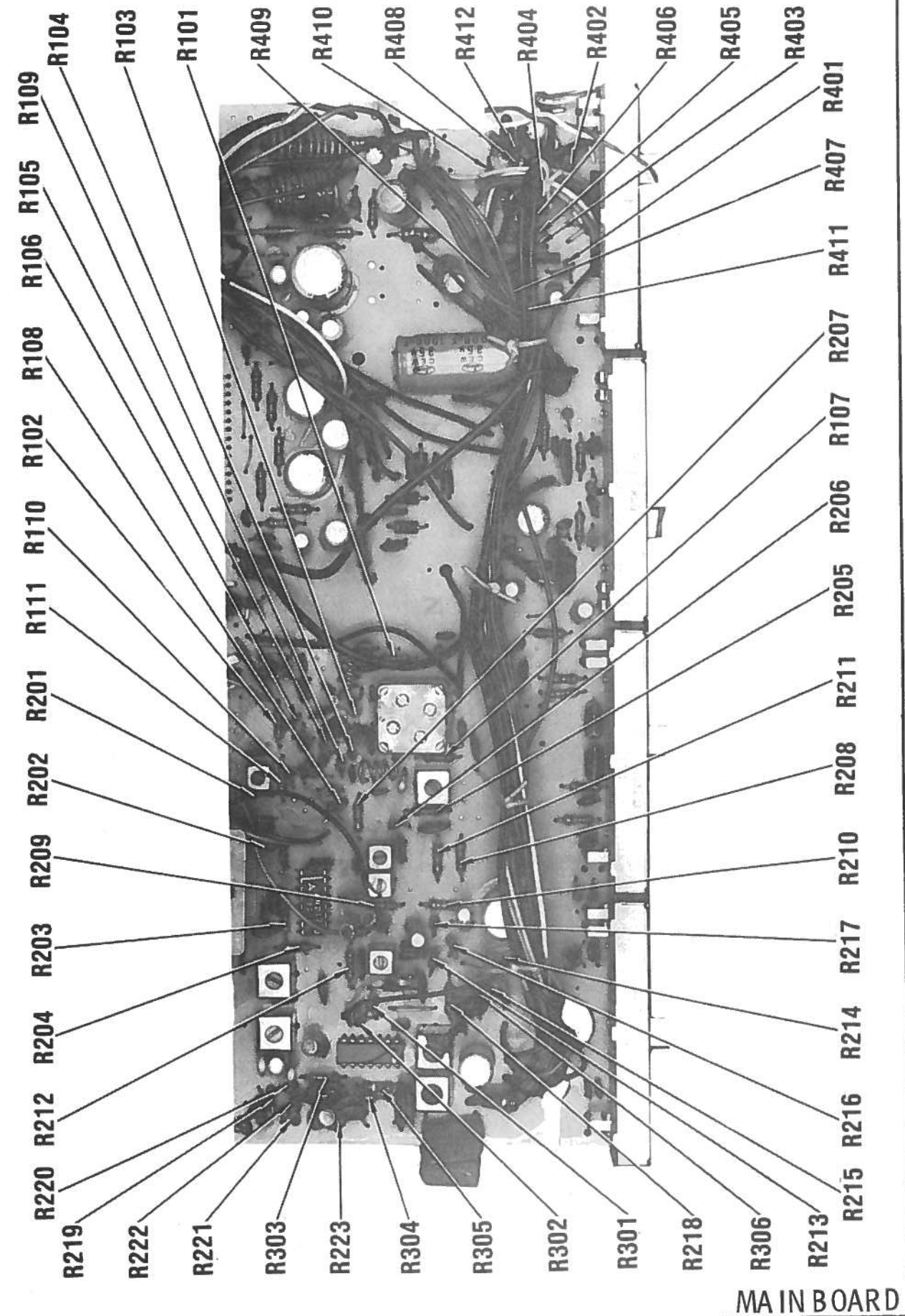
- * Pinch Roller - E-V/GAME Replacement Number 1499-70.
WALSCO Replacement Number 1499-70.
* Flywheel Drive Belt - E-V/GAME Replacement Number 1407-65.
WALSCO Replacement Number 1424-14.
* Take-up Belt - E-V/GAME Replacement Number 1425-26.

SOUND DESIGN MODELS
4645B, 4858

FOLDER 4



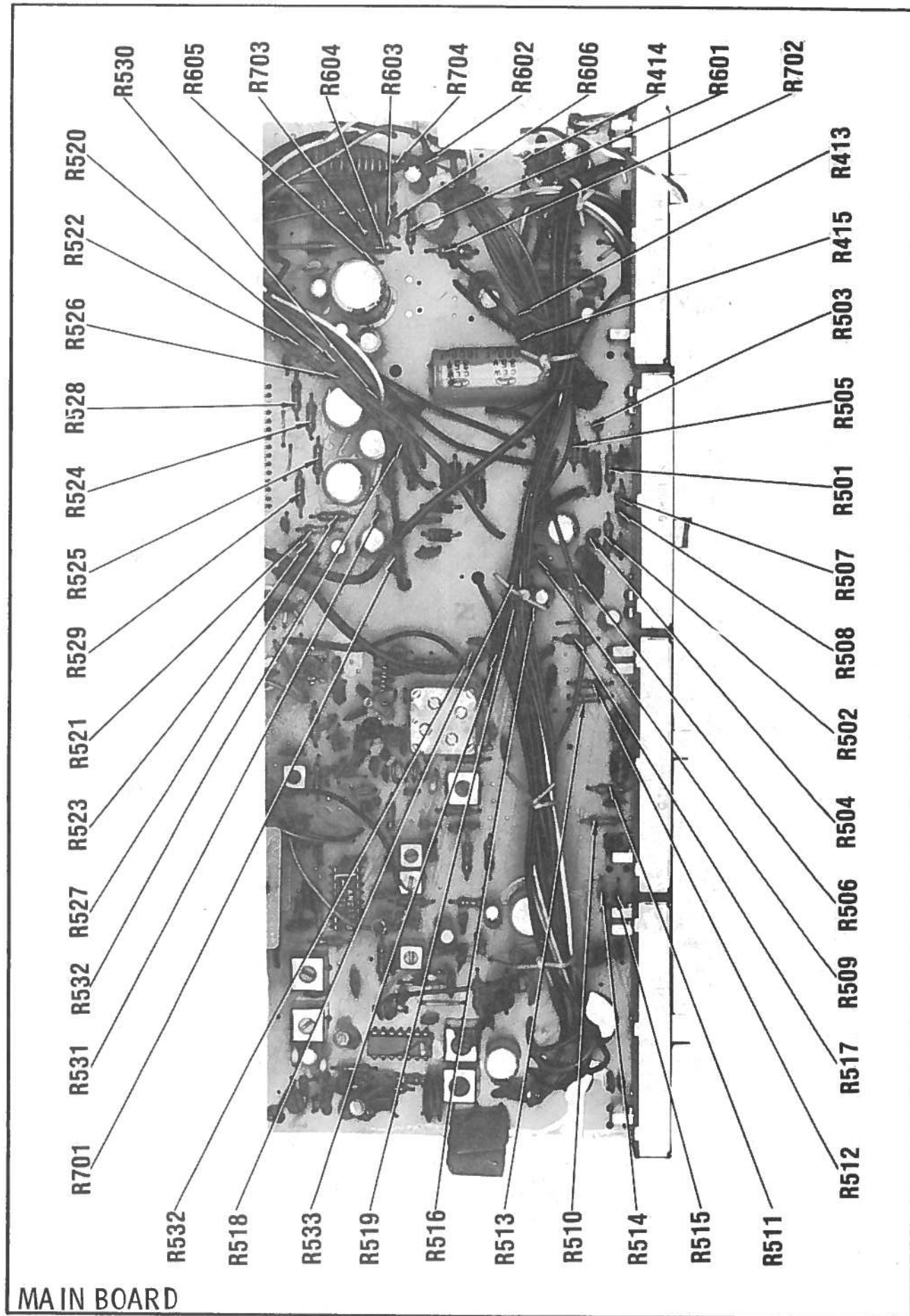
TAPE DECK-TOP



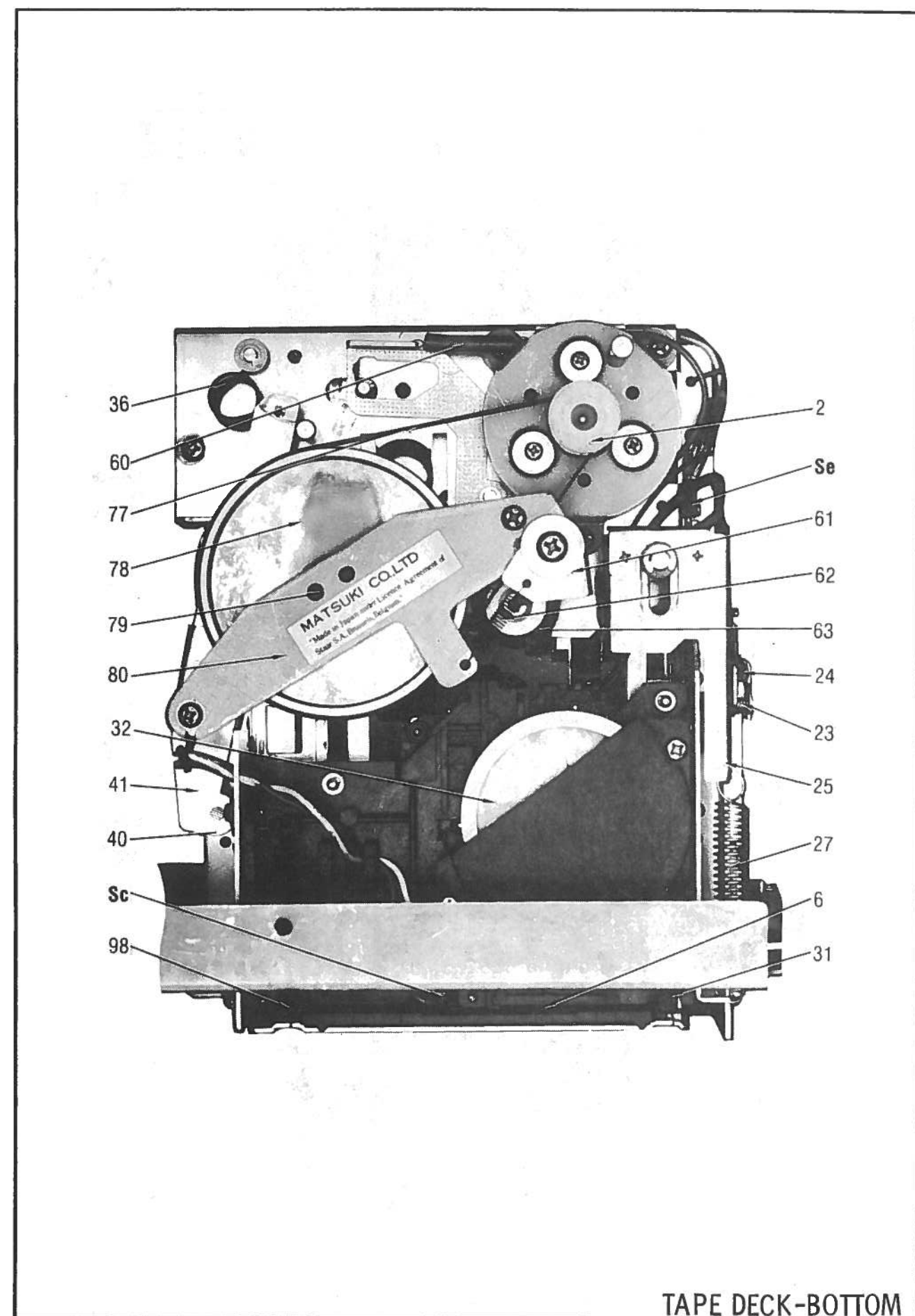
MAIN BOARD

SOUNDESIGN MODELS
4645B, 4858

FOLDER 4



MAIN BOARD



TAPE DECK-BOTTOM

PARTS LIST AND DESCRIPTION

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

SEMICONDUCTORS (Select replacement transistor for best results)

ITEM No.	TYPE No.	MFR. PART No.	REPLACEMENT DATA									
			GENERAL ELECTRIC PART No.	MALLORY PART No.	MOTOROLA PART No.	RAYTHEON PART No.	RCA PART No.	SPRAGUE PART No.	SYLVANIA PART No.	THORDARSON PART No.	WORKMAN PART No.	ZENITH PART No.
D101	1S351R					REN 614	SK3126		ECG613			103-281
D201	1S2139C					REN 614	SK3126		ECG613			103-281
D202	1S188FM		1N34AS	PTC207	HEPR9134A	REN 109	SK3087	RT-200	ECG109	TM109	WEP134	103-29001
D203	1S188FM		1N34AS	PTC207	HEPR9134A	REN 109	SK3087	RT-200	ECG109	TM109	WEP134	103-29001
D701	SR1K-1		GE-504A	PTC201	HEPRO052	REN 116	SK3311	RT-213	ECG116	TM116	WEP156	212-76-02
D702	SR1K-1		GE-504A	PTC201	HEPRO052	REN 116	SK3311	RT-213	ECG116	TM116	WEP156	212-76-02
D703	SR1K-1		GE-504A	PTC201	HEPRO052	REN 116	SK3311	RT-213	ECG116	TM116	WEP156	212-76-02
D704	SR1K-1		GE-504A	PTC201	HEPRO052	REN 116	SK3311	RT-213	ECG116	TM116	WEP156	212-76-02
D705	SR1K-1		GE-510	PTC205	HEPRO170	REN 125	SK3081	RT-201	ECG125	TM125	WEP170	212-29000
D901			GEIC-50									
IC201	AN217		HEPC6094P	PTC721	HEPC6094P	REN1006	SK3358	TVM-6	ECG1006	TM1006/**	WEP2125	
IC301	A3301		HEPC6094P	PTC721	HEPC6094P	REN1006	SK3358	TVM-6	ECG1006	TM1006/**	WEP2125	
IC401	BA301					REN1135	SK3249	TVM-82	ECG1135	TM1135/**	WEP2242	
IC402	UPC566H					REN1052	SK3249	TVM-82	ECG1052	TM1052	WEP2242	
IC501	BA301					REN1135	SK3249	TVM-82	ECG1135	TM1135/**	WEP2242	
Q101	2SK49H		GE-FET-2	PTC161	HEPF0021	REN 132	SK3448	RT-175	ECG312	TM312		121-756
Q102	2SK49H		GE-FET-2	PTC161	HEPF0021	REN 132	SK3448	RT-175	ECG312	TM312		121-756
Q103	2SC1675L		GE-213	PTC132*	HEPS0025*	REN 123A*	SK3122	RT-308	ECG229*	TM229*	WEP956*	121-29021
Q501	2SC1675L		GE-213	PTC132*	HEPS0025*	REN 123A*	SK3122	RT-308	ECG229*	TM229*	WEP956*	121-29021
Q502	2SC1740		GE-62	PTC121*	HEPS0015*	REN 123A*	SK3122	RT-109*	ECG123A*	TM123A*	WEP736*	121-29000A
Q503	2SC900AF		GE-62	PTC139*	HEPS0015*	REN 199	SK3124	RT-302	ECG199	TM199/**	WEP66	121-792
Q504	2SC900AF		GE-62	PTC139*	HEPS0015*	REN 199	SK3124	RT-302	ECG199	TM199/**	WEP66	121-792
Q601	2SC900AF		GE-62	PTC139*	HEPS0015*	REN 199	SK3124	RT-302	ECG199	TM199/**	WEP66	121-792
Q602	2SC1740RL		GE-62	PTC121*	HEPS0015*	REN 123A*	SK3122	RT-109*	ECG123A*	TM123A*	WEP736*	121-29000A
Q603	2SC945		GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	TM199/**	WEP1945	121-792
	2SC1740RM		GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	TM199/**	WEP1945	121-792
	2SC945		GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	TM199/**	WEP1945	121-792
	2SC1847R		GE-270	PTC180	HEPS3041	REN 295	SK3253	RT-162	ECG295	TM295	WEP913	121-29008
	2SC1847		GE-270	PTC180	HEPS3041	REN 295	SK3253	RT-162	ECG295	TM295	WEP913	121-29008
	2SC1449		GE-28	PTC110		REN 186A	SK3357	RT-166	ECG186A	TM186A/**	WEP751	121-29008
	2SC1096		GE-215	PTC186		REN 186A	SK3357	RT-166	ECG186A	TM186A/**	WEP751	121-29008

* Lead configuration may vary from original
/** Also available as exact type replacement.

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA					
		MFR. PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.		
					Q-LINE	GENERAL LINE	
C213	1 50V		PC1-50	VTT1A50	QV1-11	EV-1615	
C214	1 50V		PC1-50	VTT1A50	QV1-11	EV-1615	
C217	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222	
C221	4.7 25V		PC5-50	VTT4R7B50	QV1-27	EV-1319	
C222	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222	
C225	1 50V		PC1-50	VTT1A50	QV1-11	EV-1615	
C301	4.7 25V		PC5-50	VTT4R7B50	QV1-27	EV-1319	
C310	330 10V		WBR300-35*	VTT330G10	QV1-131	EV-1145	
C401	4.7 25V		PC5-50	VTT4R7B50	QV1-151	EV-1250	
C402	4.7 25V		PC5-50	VTT4R7B50	QV1-27	EV-1319	
C407	35 33 10V		PC30-25	VTT33B10	QV1-61	EV-1125	
C408	35 33 10V		PC30-25	VTT33B10	QV1-61	EV-1125	
C413	4.7 25V		PC5-50	VTT4R7B50	QV1-27	EV-1319	
C414	4.7 25V		PC5-50	VTT4R7B50	QV1-27	EV-1319	
C415	100 10V		PC100-10	VTT100E10	QV1-93	EV-1130	
C507	1 50V		PC1-50	VTT1A50	QV1-11	EV-1615	
C508	1 50V		PC1-50	VTT1A50	QV1-11	EV-1615	
C509	100 16V		PC100-16	VTT100F16	QV1-95	EV-1230	
C521	4.7 25V		PC5-50	VTT4R7B50	QV1-27	EV-1319	
C522	4.7 25V		PC5-50	VTT4R7B50	QV1-27	EV-1319	
C527	100 10V		PC100-10	VTT100E10	QV1-93	EV-1130	
C528	100 10V		PC100-10	VTT100E10	QV1-93	EV-1130	
C529	470 16V		PC500-16	VTT470K16	QV1-151	EV-1250	
C530	470 16V		PC500-16	VTT470K16	QV1-151	EV-1250	
C533	100 25V		PC100-25	VTT100G25	QV1-97	EV-1330	
C534	1000 35V		WBR1000-50*	TC50100C*	QV1-594*	TVA-1316*	
C601	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222	
C602	33 10V		PC30-25	VTT33B10	QV1-61	EV-1125	
C603	100 16V		PC100-16	VTT100F16	QV1-95	EV-1230	
C705	470 25V		WBR500-25*	VTT470M25	QV1-153	EV-1350	

*Axial replacement for radial device.

PARTS LIST AND DESCRIPTION (CONTINUED)

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

CAPACITORS

ITEM No.	RATING	MFR. PART No.	REPLACEMENT DATA				
			CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.	
						Q-LINE	GENERAL LINE
C101	8		DTZ-10	NP010	CN0410		10TCC-Q10
C102	.02		DC-203	MGP02	TA120	QC2-157	TG-S20
C103	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C104	20		DTZ-20	NP020	CN0420		10TCC-Q20
C105	3		DTZ-3R3	NP03P3	CN0533		10TCC-V33
C106	330		DD-331	GP330	GP333		10TS-T33
C107	6		DTZ-6R8	NP06P8	CN0568		10TCC-V68
C108	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C109	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C111	.02		DC-203	MGP02	TA120	QC2-157	TG-S20
C112	4		DTZ-4R7	NP04P7	CN0547		10TCC-V47
C113	20		DTZ-20	NP020	CN0420		10TCC-Q20
C114	5				GP550		
C115	20		DTZ-20	NP020	CN0420		10TCC-Q20
C116	15		DTZ-15	NP015	CN0415		10TCC-Q15
C117	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C118	10		DTZ-10	NP010	CN0410		10TCC-Q10
C201	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C202	330		DD-331	GP330	GP333		10TS-T33
C203	.02		DC-203	MGP02	TA120	QC2-157	TG-S20
C204	47		DTZ-47	NP047	CN0447		10TCC-Q47
C205	.02		DC-203	MGP02	TA120	QC2-157	TG-S20
C206	33 10%		DTZ-33	NP033	CN0433		10TCC-Q33
C207	.02		DC-203	MGP02	TA120	QC2-157	TG-S20
C208	.02		DC-203	MGP02	TA120	QC2-157	TG-S20
C209	.0047 10%		DD-472	GP4700	GP247		5GA-D47
C210	.02		DC-203	MGP02	TA120	QC2-157	TG-S20
C211	4		DTZ-4R7	NP04P7	CN0547		10TCC-V47
C212	.02		DC-203	MGP02	TA120	QC2-157	TG-S20
C215	.02		DC-203	MGP02	TA120	QC2-157	TG-S20
C216	.02		DC-203	MGP02	TA120	QC2-157	TG-S20
C218	.02		DC-203	MGP02	TA120	QC2-157	TG-S20
C219	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C220	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C223	120		DTZ-120		CN0312		10TCC-T12
C224	120		DTZ-120		CN0312		10TCC-T12
C302	.0015 10%		DD-152	DPMS4S1	CD19FD222J03		10TS-D15
C303	.01			DPMS2P1	EW22110		2PB-S10
C304	.0022			DPMS2P1	SX222		MWC-222
C305	.1		DC-104	MGP1	EW2010		2PB-P10
C306	.1		DC-104	MGP1	TA010	QC2-233	TG-P10
C307	.1		DC-104	MGP1	TA010	QC2-233	TG-P10
C308	.0047 10%		DD-472	GP4700	GP247		5GA-D47
C309	.0047 10%		DD-472	GP4700	GP247		5GA-D47
C403	100		DTZ-100	NP0100	CN0310		10TCC-T10
C404	100		DTZ-100	NP0100	CN0310		10TCC-T10
C405	27				CN0427		10TCC-Q27
C406	27				CN0427		10TCC-Q27
C409	.015 10%			WMF1S15	M192P1539R8	QFT2-105	1FT-S15
C410	.015 10%			WMF1S15	M192P1539R8	QFT2-105	1FT-S15
C411	.033			DPMS6S33	EW6133		6PS-S33
C412	.033			DPMS6S33	EW6133		6PS-S33
C501	60		DTZ-68	NP068	CN0468		10TCC-Q68
C502	60		DTZ-68	NP068	CN0468		10TCC-Q68
C503	.1		DC-104	MGP1	TA010	QC2-233	TG-P10
C504	.1		DC-104	MGP1	TA010	QC2-233	TG-P10
C505	47		DTZ-47	NP047	CN0447		10TCC-Q47
C506	47		DTZ-47	NP047	CN0447		10TCC-Q47
C510	.0015 10%		DD-152	DPMS2P1	GP215		10TS-D15
C511	.0015 10%		DD-152	DPMS2P1	GP215		10TS-D15
C512	.015 10%			WMF1S15	M192P1539R8	QFT2-105	1FT-S15
C513	.015 10%			WMF1S15	M192P1539R8	QFT2-105	1FT-S15
C514	.015 10%			WMF1S15	M192P1539R8	QFT2-105	1FT-S15
C515	.015 10%			WMF1S15	M192P1539R8	QFT2-105	1FT-S15
C516	.1			DPMS2P1	EW2010		2PB-P10
C517	.1			DPMS2P1	EW2010		2PB-P10
C519	.1		DC-104	MGP1	TA010	QC2-233	TG-P10
C520	.1		DC-104	MGP1	TA010	QC2-233	TG-P10
C523	560		DD-561		GP356		10TS-T56
C524	560		DD-561		GP356		10TS-T56
C525	560		DD-561		GP356		10TS-T56
C526	560		DD-561		GP356		10TS-T56
C531	.04				GP140		5GA-S40
C532	.04				GP140		5GA-S40
C701	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C702	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C703	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C704	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
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