

445 PARK AVENUE
NEW YORK 22, N.Y.



RCA VICTOR

Tape Recorder/Stereotape Player

MODEL STR-2

Tape Amplifier Chassis No. RS-163
Power Amplifier Chassis No. RS-169
Tape Transport TR-2B-4

SERVICE DATA

— 1957 No. 34 —

PREPARED BY COMMERCIAL SERVICE

RCA SERVICE CO., INC.

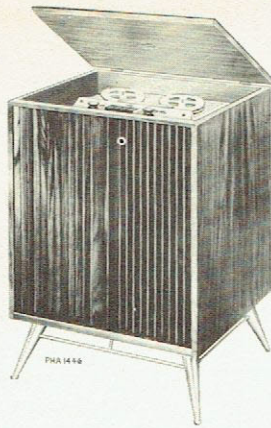
CAMDEN 8, N. J.

FOR

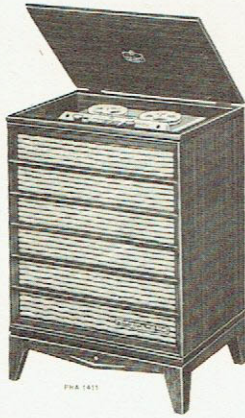
RADIO CORPORATION OF AMERICA

RCA VICTOR RADIO AND "VICTROLA" DIVISION

Model STR-2
Modern
Oak or Walnut



Model STR-2
Traditional
Mahogany
or
Maple



SPECIFICATIONS

TUBE COMPLEMENT

RS-163 Tape Amplifier

1. RCA 12AX7 Microphone preamp. & AF amp. (record)
Two-stage preamp. (Chan. #1 playback)
2. RCA 12AU7 Two-stage amplifier (record)
AF amplifier and cathode follower
(Chan. #1 playback)
3. RCA 12AX7 Two-stage amplifier
(Chan. #2 playback)
4. RCA 12AU7 AF amplifier and cathode
follower (Chan. #2 playback)
5. RCA 6E5 Recording level indicator
6. RCA 6CG7 Push-pull oscillator
7. RCA 6X4 Rectifier
A type #44 pilot lamp is used.

RS-169 Power Amplifier

1. RCA 6CG7 Two-channel preamp.
2. RCA 6CG7 Two-channel amplifier
3. RCA 6CG7 Channel #1 Amplifier
and phase splitter
4. RCA 6CG7 Channel #2 Cathode follower
and "MARK" input amplifier
5. RCA 6V6GT }
6. RCA 6V6GT } Push-pull power output
7. RCA 5Y3GT Rectifier
A type #1847 jewel lamp is used.

TAPE USED

Up to 7" reel of 1/4" stereophonic (twin track) or conventional (either half-track or full-track) tape.

DESCRIPTION

Model STR-2 is a high-fidelity stereophonic or monaural tape player and monaural tape recorder. This instrument consists of a TR-2B-4 tape transport mechanism, RS-163 tape amplifier, RS-169 power amplifier and four loudspeakers all housed in one cabinet. One complete stereo channel (from tape to and including loudspeakers) is provided by Model STR-2; an external power amplifier and speaker system is necessary for completing the second channel.

RCA Victor Models SHF-2, SHF-3, SHF-4 and SHF-5 are designed for use in conjunction with Model STR-2 to complete the second channel in addition to performing their normal functions.

INPUTS

1. High impedance with preamplifier for microphone; on RS-163—for Channel #1 recording with aural monitoring on Channel #2.
2. High impedance for radio tuner; on RS-163—for Channel #1 recording with aural monitoring on Channel #2.
3. High impedance dual-channel; on RS-169—for dual input from RS-163.
4. High impedance single-channel; on RS-169—for audio reproduction from external source.

OUTPUTS

1. On RS-163—dual channel cathode follower, for input to RS-169.
2. On RS-169—approximately 12 watts from Channel #1 to speaker system of Model STR-2.
3. On RS-169—high level cathode follower from Channel #2 to external amplifier.
4. On RS-169—low level cathode follower from Channel #2 to external amplifier.

FREQUENCY RESPONSE 40-15,000 cycles

AUDIO POWER OUTPUT

10 watts with less than 1.5% distortion at 1000 cycles
15 watts maximum

POWER SUPPLY REQUIREMENT

115 volts 60 cycles 180 watts

TAPE SPEED

..... 3.75"/sec. or 7.5"/sec.

SPEAKERS

Two 12" PM "woofers" 8 ohms each at 400 cycles

Two 3 1/2" PM "tweeters" 7.6 ohms each at 6000 cycles

CABINET DIMENSIONS

Modern: H.36-3/8" W.29" D.19 7/8"

Traditional: H.34-7/16" W.29" D.19"

NET WEIGHT Approximately 90 lb.

SUPPLEMENTARY INFORMATION

Issue	Subject
List related Supplements and Service Tips above.	

RS-163 CIRCUIT DESCRIPTION

The RS-163 tape amplifier is designed with two channels to enable the playback of stereophonically recorded tapes. Each channel has three stages of amplification with a cathode follower output. A "Stereo/Single" switch, between the second and third stages, selects the type of playback operation; the two outputs are paralleled when playing monaural tapes. A gain equalization control in the input circuit of the third amplification stage of Channel #2 permits the gain of the two channels to be equalized.

Monaural recordings can be made from a microphone or from a tuner source through the tuner input jack J2 or a mixed recording can be made from both sources. When recording, only amplifier Channel #1 is used. Recording level is indicated by a type 6E5 "eye" tube. The rectified input to this tube is designed to have a slight time-delay thus enabling the recording level to be easily observed.

Recording bias and a.c. erase voltage is supplied by a push-pull oscillator circuit employing a type 6CG7 tube. The oscillator frequency is approximately 70 kc which enables distortionless recording of high audio frequencies. The bias voltage is applied directly to the upper record/playback head along with the amplified audio voltage. The a.c. erase voltage is applied to the separate erase head. The "Record/Playback" function switch controls application of B+ voltage to the oscillator tube (operative only during recording).

The amplifier has a very low hum level, due primarily to the use of D.C. on the heaters of amplifier tubes; a full-wave disc rectifier is used to supply heater voltage. The B+ voltage is supplied from a full-wave rectifier circuit using a type 6X4 tube. A four-section filter capacitor in the B+ supply also serves to reduce the hum level to a very low value.

Depressing the MONITOR pushbutton actuates only the record/playback switch, permitting recording level to be adjusted without tape movement. Both the MONITOR pushbutton and the PLAY pushbutton must be depressed for recording.

RS-169 CIRCUIT DESCRIPTION

The circuit of RS-169 amplifier provides for two modes of operation, they are selected by a 3-position ("off," "Mark," "Stereo") switch:

"MARK"—When the switch is in this position, Model STR-2 serves only as an auxiliary power amplifier and speaker system and not for tape operation. The "high output" and "low output" jacks are in parallel and serve as signal input connections. Two stages of audio amplification precede a phase splitter and a push-pull output stage. The volume and tone controls have no effect. A gain equalization control in the input to the first stage (V4B) permits the audio output of both instruments to be equalized.

"STEREO"—When the switch is in this position, Model STR-2 serves as a dual-channel amplifier for tape reproduction. The "CHANNEL 1 INPUT" and "CHANNEL 2 INPUT" are supplied from the two cathode-follower outputs of RS-163 amplifier through shielded cables.

Channel #1 has three stages of audio amplification preceding a phase splitter and a push-pull output stage. The push-pull output stage supplies approximately 10 watts of audio power to the speaker system of Model STR-2.

Channel #2 has two stages of audio amplification preceding a cathode-follower output stage. Two output levels are provided. The "HIGH OUTPUT" jack is used with instruments having a push-pull output stage. The "LOW OUTPUT" jack is used with Model SHF-2 which has a push-pull parallel output stage. Dual volume and tone controls are used to provide simultaneous regulation of both channels.

FOR ADDITIONAL INFORMATION ON THE TAPE TRANSPORT MECHANISM AND TAPE AMPLIFIER, REFER TO "TR-2B-4 SERVICE DATA."

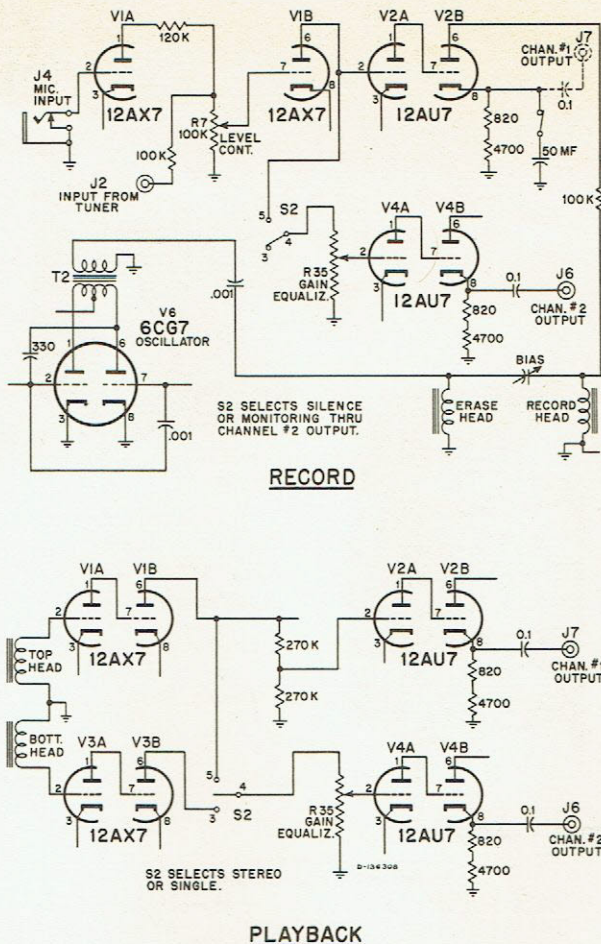


Figure 1—RS-163 Block Diagram

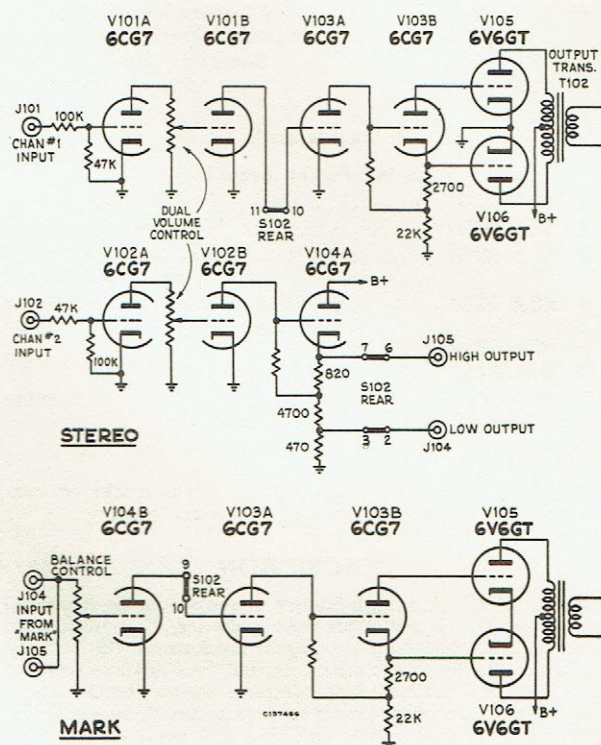


Figure 2—RS-169 Block Diagram

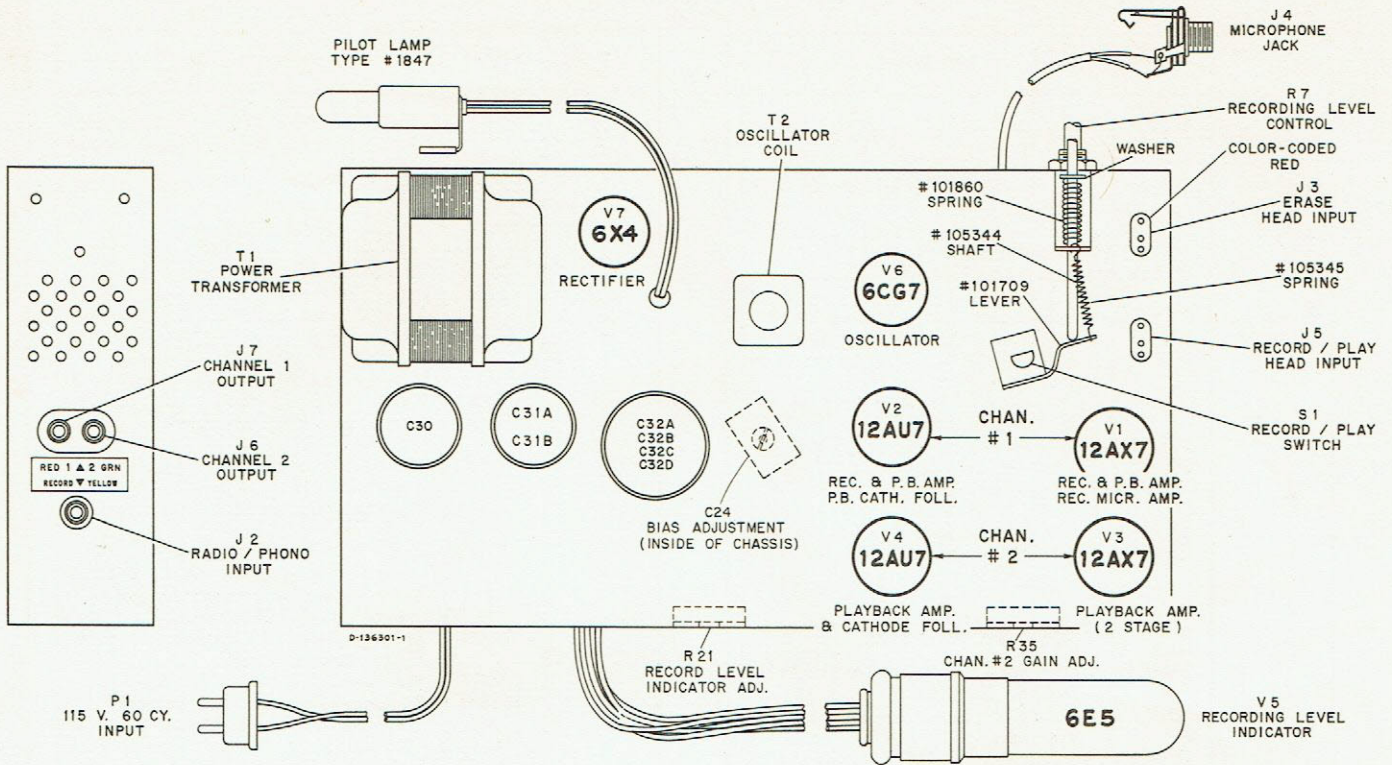


Figure 3—Tape Amplifier Assembly, Chassis No. RS-163

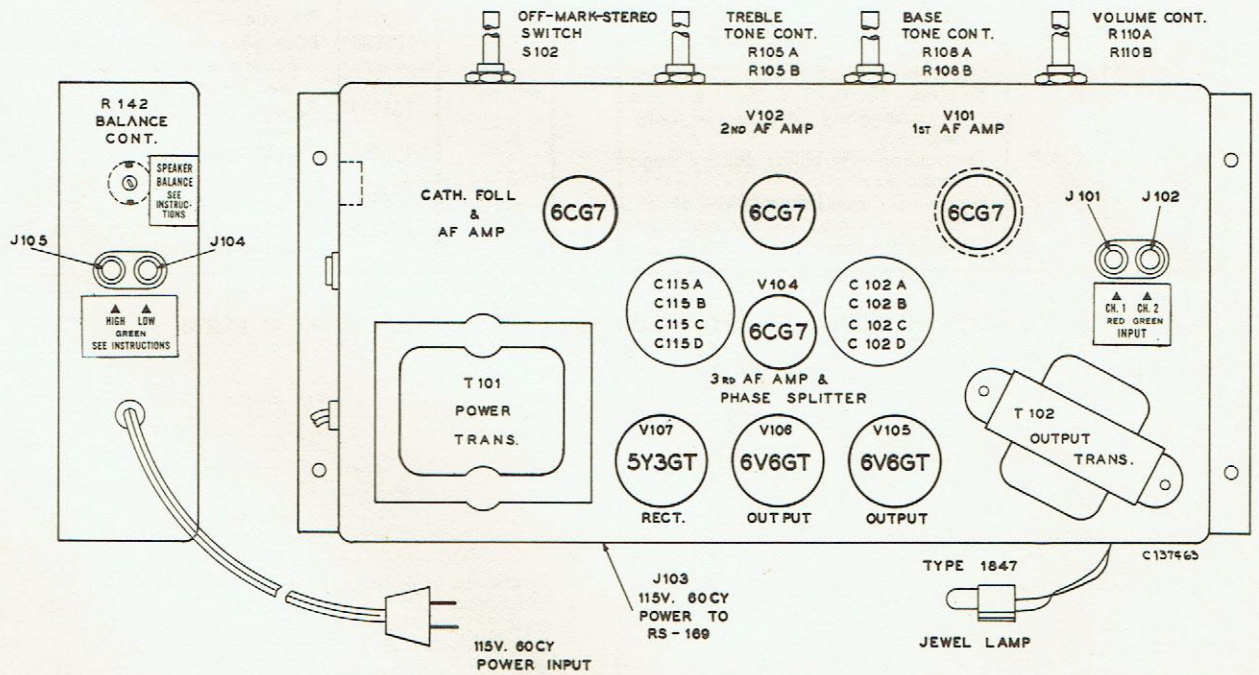


Figure 4—Power Amplifier Assembly, Chassis No. RS-169

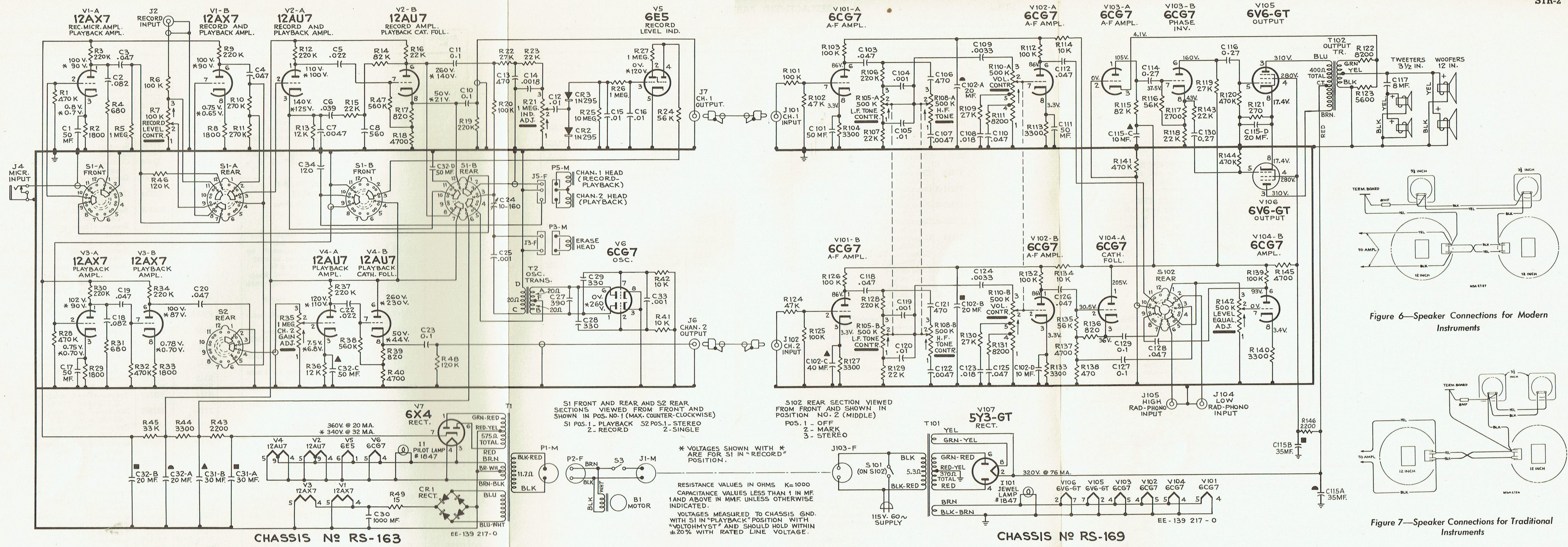


Figure 5—Complete Schematic Diagram

Figure 6—Speaker Connections for Modern Instruments

Figure 7—Speaker Connections for Traditional Instruments

RS-163 Tape Amplifier

1. Keep recording input signal leads away from oscillator wiring.
2. Keep all leads in preamplifier circuits as short as possible.
3. Make ground connections to ground buss as indicated on schematic diagram.
4. Dress primary a.c. power leads away from audio circuit components.

RS-169 Power Amplifier

1. Dress all capacitors down against chassis where possible.
2. Make ground connections to ground buss as indicated on schematic diagram.
3. Dress primary a.c. power leads away from audio circuit components.
4. Keep R121, R145 and R146 away from capacitors to keep heat conduction at a minimum.
5. Dress lead from terminal #2 of R142 (balance control) to pin #7 of V4B, as close to corner of chassis and as far away from S101 as possible.

RS-163 Amplifier

An equalization control (R35) is provided to enable the speaker output of Model STR-2 to be balanced with the speaker output of any "MARK" instrument to which it may be connected for "STEREO" operation.

1. Connect the "STEREO" jack of the "MARK" instrument to J104 or J105 (use J104 if SHF-2 is "MARK" instrument, use J105 if "MARK" instrument is SHF-3, SHF-4 or SHF-5).
2. Thread a standard frequency tape (RCA #12-5-61T or equivalent) on the tape mechanism and turn "STEREO-SINGLE" control knob to "SINGLE."
3. Turn both the "OFF-MARK-STEREO" control of Model STR-2 and the function control of the "MARK" instrument to "STEREO" position.

BALANCE ADJUSTMENTS

RS-169 Amplifier

A "speaker balance" control (R142) is provided to enable the speaker output of Model STR-2 to be balanced with the

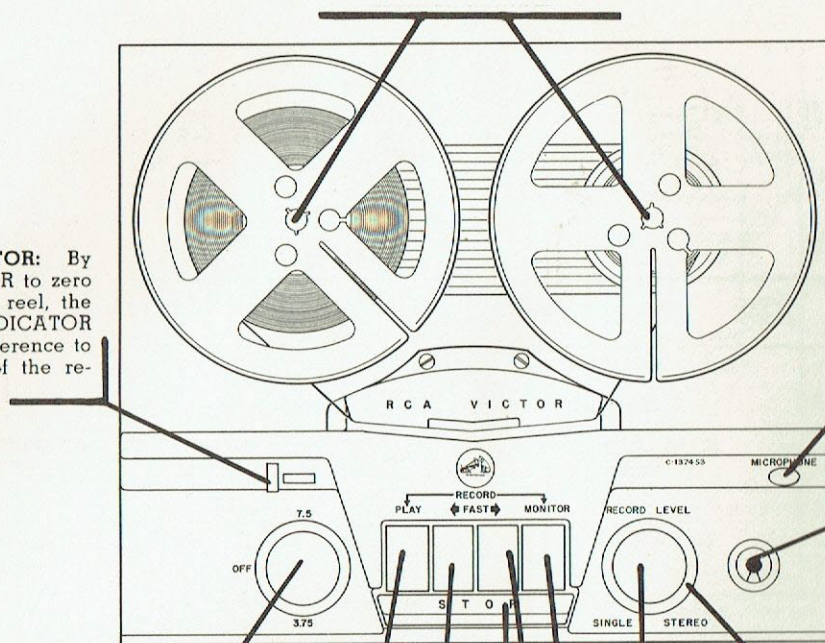
speaker output of any "MARK" instrument to which it may be connected for "MARK" operation.

1. Connect the "STEREO" jack of a "MARK" (audio source) instrument to J104 or J105.
2. Turn both instruments "on" and allow ample time for warm-up.
3. Turn the OFF-MARK-STEREO switch of Model STR-2 to "MARK" position. Turn the function switch of the source instrument to radio or phono position.
4. With radio or record reproduction at desired volume level from the source instrument, adjust the "SPEAKER BALANCE" control (R142) to obtain the desired volume level from Model STR-2. Refer to figure 4 for location of the balance control.

TAPE RECORDER CONTROLS

SPINDLES: The two vertical shafts are spindles for the tape reels. The tape is threaded as shown with dull side in.

PROGRAM INDICATOR: By turning the INDICATOR to zero when beginning each reel, the numerals on the INDICATOR will act as a ready reference to any desired portion of the recorded tape.



MICROPHONE JACK: The plug at the end of the microphone cord fits this receptacle

"MAGIC EYE": This is a recording level indicator. Recording level is adjusted so that "eye" just closes on peaks.

POWER-SPEED: This control turns the tape mechanism "on" and at the same time selects the speed at which it is desired to record or play. This knob cannot be turned while either the FAST (fast forward) or the FAST (fast rewind) pushbutton is pushed down.

PLAY: For advancing the tape at a normal rate. Use alone for listening to a tape which contains recorded material. Use in conjunction with MONITOR pushbutton when recording.

FAST: For rapidly rewinding tape which has just been recorded or played.

STEREO-SINGLE: This knob is used to select between stereophonic playback or monaural playback.

RECORD LEVEL: This knob controls recording level. It does not control playback volume level.

MONITOR: Use alone to set recording level before recording. Use in conjunction with PLAY pushbutton to make a recording. Use of two pushbuttons for recording prevents unintentional erasure.

FAST: For advancing the tape at a fast rate in order to playback or begin recording at some inside spot on the reel of tape.

STOP: For stopping tape motion. Always push the STOP bar before pressing any pushbutton. The STOP bar should also be depressed before turning the POWER-SPEED control.

PLAYBACK CONTROLS

OFF-MARK-STEREO

Set at "MARK" when using Model STR-2 as an auxiliary power amplifier and speaker system to reproduce sound originating in a "MARK" instrument.

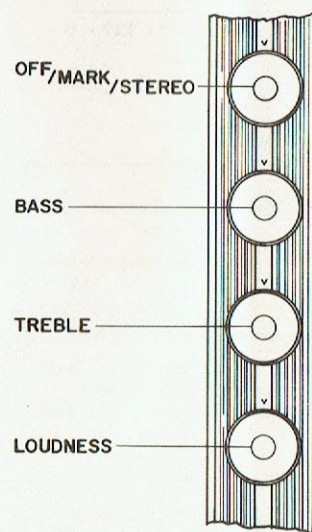
Set at "STEREO" when using Model STR-2 for tape playback or for aural monitoring on external amplifier/speaker system when recording.

BASS AND TREBLE

These tone controls are operative on tape playback only. Set each control at "N" for highest fidelity.

LOUDNESS

This control regulates tape playback volume level both on Model STR-2 and on the "MARK" instrument with which it is used.



SYMBOL No.	STOCK NO.	DESCRIPTION
AMPLIFIER CHASSIS RS-163		
C1	78573	Capacitor—Electrolytic, 50 mf., 6 v.
C2	103191	Capacitor—Fixed, paper, 0.082 mf., ±10%, 400 v.
C3, C4	78921-B	Capacitor—Fixed, paper, 0.047 mf., ±10%, 400 v.
C5	103351	Capacitor—Fixed, paper, 0.022 mf., ±10%, 400 v.
C6	104847	Capacitor—Fixed, paper, 0.039 mf., ±10%, 400 v.
C7	101721	Capacitor—Fixed, paper, 0.0047 mf., ±10%, 200 v.
C8	76685	Capacitor—Fixed, ceramic, 560 mmf., ±10%, 500 v.
C10	79251-A	Capacitor—Fixed, paper, 0.1 mf., ±10%, 200 v.
C11	78922-A	Capacitor—Fixed, paper, 0.1 mf., ±10%, 400 v.
C12	101000-A	Capacitor—Fixed, paper, 0.01 mf., ±10%, 200 v.
C13	75198	Capacitor—Fixed, ceramic, 470 mmf., ±10%, 500 v.
C14	100241	Capacitor—Fixed, paper, 0.0018 mf., ±10%, 200 v.
C15, C16	101000-A	Same as C12
C17	78573	Same as C1
C18	103191	Same as C2
C19, C20	78921-B	Same as C3
C22	103351	Same as C5
C23	79251-A	Same as C10
C24	105333	Capacitor—Variable mica—with mounting bracket—10 to 160 mmf.
C25	102426-A	Capacitor—Fixed, paper, 0.001 mf., ±10%, 400 v.
C27	75641	Capacitor—Fixed, ceramic, 390 mmf., ±10%, 500 v.
C28, C29	76552	Capacitor—Fixed, ceramic, 330 mmf., ±10%, 500 v.
C30	103257	Capacitor—Electrolytic, 1000 mf., 15 v.
C31A, C31B	103350	Capacitor—Electrolytic, 30/30 mf., 450/450 v.
C32A to C32D Incl.	104851	Capacitor—Electrolytic, 20/20/50/50 mf., 400/400/15/15 v.
C33	102426-A	Same as C25
C34	76347	Capacitor—Fixed, ceramic, 120 mmf., ±10%, 500 v.
CR1	103258	Rectifier—Selenium rectifier—600 M.A.
CR2, CR3	101615	Rectifier—Crystal diode—type 1N295
J1	30870	Connector—Part of Tape Mechanism
J2	35787	Connector—Female pin connector—hi-level audio record input
J3	101998	Connector—3-contact female connector for erase head leads
J4	7903	Jack—Microphone input jack—less nut and washer
J5	101998	Connector—3-contact female connector for record/play head
J6, J7	33514	Connector—Channel 1 and Channel 2 output dual female connector
P1	30870	Connector—2-contact male connector for power cables
P2	30868	Connector—Part of Tape Mechanism
R1	502447	Resistor—Fixed, composition, 470,000 ohms, ±10%, ½ w.
R2	502218	Resistor—Fixed, composition, 1800 ohms, ±10%, ½ w.
R3	502422	Resistor—Fixed, composition, 220,000 ohms, ±10%, ½ w.
R4	502168	Resistor—Fixed, composition, 680 ohms, ±10%, ½ w.
R5	502510	Resistor—Fixed, composition, 1 megohm, ±10%, ½ w.
R6	502410	Resistor—Fixed, composition, 100,000 ohms, ±10%, ½ w.

SYMBOL No.	STOCK NO.	DESCRIPTION
R7	104849	Control—Recording level control—includes Stereo/Normal function switch S2
R8	502218	Same as R2
R9	502422	Same as R3
R10, R11	502427	Resistor—Fixed, composition, 270,000 ohms, ±10%, ½ w.
R12	502422	Same as R3
R13	502312	Resistor—Fixed, composition, 12,000 ohms, ±10%, ½ w.
R14	502382	Resistor—Fixed, composition, 82,000 ohms, ±10%, ½ w.
R15, R16	502322	Resistor—Fixed, composition, 22,000 ohms, ±10%, ½ w.
R17	502182	Resistor—Fixed, composition, 820 ohms, ±10%, ½ w.
R18	502247	Resistor—Fixed, composition, 4700 ohms, ±10%, ½ w.
R19	502422	Same as R3
R20	502410	Same as R6
R21	103260	Control—Recording level indicator control
R22	502327	Resistor—Fixed, composition, 27,000 ohms, ±10%, ½ w.
R23	502322	Same as R15
R24	502356	Resistor—Fixed, composition, 56,000 ohms, ±10%, ½ w.
R25	502610	Resistor—Fixed, composition, 10 megohms, ±10%, ½ w.
R26, R27	502510	Same as R5
R28	502447	Same as R1
R29	502218	Same as R2
R30	502422	Same as R3
R31	502168	Same as R4
R32	502447	Same as R1
R33	502218	Same as R2
R34	502422	Same as R3
R35	103260	Control—Gain equalization control
R36	502312	Same as R13
R37	502422	Same as R3
R38	502456	Resistor—Fixed, composition, 560,000 ohms, ±10%, ½ w.
R39	502182	Same as R17
R40	502247	Same as R18
R41, R42	502310	Resistor—Fixed, composition, 10,000 ohms, ±10%, ½ w.
R43	103352	Resistor—Fixed, wire wound, 2200 ohms, ±10%, 4 w.
R44	512233	Resistor—Fixed, composition, 3300 ohms, ±10%, 1 w.
R45	502333	Resistor—Fixed, composition, 33,000 ohms, ±10%, ½ w.
R46	502412	Resistor—Fixed, composition, 120,000 ohms, ±10%, ½ w.
R47	502456	Same as R38
R48	502412	Same as R46
R49	103285	Resistor—Fixed, wire wound, 15 ohms, ±5%, 4 w.
S1A, S1B	103353	Switch—Record-playback function switch
S2	104849	Switch—Stereo-normal function switch—includes recording level control R7
S3	—	Switch—Part of Tape Mechanism
T1	104850	Transformer—Power transformer
T2	103356	Coil—Oscillator coil—70 KC
	103365	Connector—6-contact female connector for record level indicator V5
	79931	Insulator—Phenolic insulator for dual output connector J6, J7
	70391	Insulator—Phenolic insulator for audio record input connector J2
	101709	Lever—Record-playback activating switch lever
	28452	Plate—Phenolic mounting plate for electrolytic capacitors C30 and C31

SYMBOL No.	STOCK NO.	DESCRIPTION
	18469	Plate—Phenolic mounting plate for electrolytic capacitor C32
	104854	Shield—Tube shield for V1 and V3
	104853	Shield—Tube shield for V2 and V4
	100643	Socket—Pilot lamp socket with leads
	101699	Socket—Tube socket, 7-pin miniature for V7
	104852	Socket—Tube socket, 9-pin miniature for V1, V2, V3 and V4
	100474	Socket—Tube socket, 9-pin miniature for V6
	105345	Spring—Tension spring for switch actuating lever—0.187" O. D. x 7/8" free length
TAPE TRANSPORT TR-2B-4 OPERATING PARTS		
Refer to TR-2B-4 Service Data		
MISCELLANEOUS		
	30716	Clip—Spring for "Magic Eye" mounting—with wing nut
	105346	Grommet—Rubber grommet for "Magic Eye" mounting bracket
	11891	Lamp—Pilot lamp, type #44
	105573	Knob—Record level control knob
	103252	Knob—Speed selector control knob (double)
	101706	Knob—"Stereo/Single" switch control knob
	105344	Shaft—"Record/Play" switch actuating shaft
	101860	Spring—Compression spring for switch actuating shaft—0.242" O. D. x 1 1/4" free length
	30330	Spring—Retaining spring for knob #100573
	30900	Spring—Retaining spring for knobs #101706 and #103252
	101862	Washer—Felt washer for underneath knob #103252
	101861	Washer—Felt washer for underneath knob #101706
AMPLIFIER ASSEMBLY RS-169		
C101	78573	Capacitor—Fixed, paper, 50 mf., midget 6 v.
C102A, B, C, D	101357	Capacitor—Fixed, electrolytic 20/20/40/10 mf., 400/400/25/25 volts
C103	73553	Capacitor—Fixed, paper, .047 mf., ±10%, 400 v.
C104	75643	Capacitor—Fixed, paper, .001 mf., ±5%, 600 v.
C105	73561	Capacitor—Fixed, paper, .01 mf., ±10%, 200 v.
C106	75198	Capacitor—Fixed, ceramic, .470 mmf., ±10%, 500 v.
C107	73920	Capacitor—Fixed, paper, .0047 mf., ±5%, 400 v.
C108	77469	Capacitor—Fixed, paper, .018 mf., ±10%, 200 v.
C109	73795	Capacitor—Fixed, paper, .0033 mf., ±10%, 400 v.
C110	73558	Capacitor—Fixed, paper, .047 mf., ±10%, 200 v.
C111	78573	Same as C101
C112	73553	Same as C103
C114	78571	Capacitor—Fixed, paper, .27 mf., ±10%, 400 v.
C115A, B, C, D	101414	Capacitor—Fixed, electrolytic, 35/35/10/20 mf., 400/400/350/25 v.
C116	78571	Same as C114
C117	100509	Capacitor—Fixed, electrolytic, 8 mf., ±25%, 10 v. ac (in speaker wiring)
C118	73553	Same as C103
C119	75643	Same as C104

SYMBOL No.	STOCK NO.	DESCRIPTION
C120	73561	Same as C105
C121	75198	Same as C106
C122	73920	Same as C107
C123	77469	Same as C108
C124	73795	Same as C109
C125	73558	Same as C110
C126	73553	Same as C103
C127	73784	Capacitor—Fixed, paper, 0.1 mf., ±10%, 200 v.
C128	73553	Same as C103
C129	73784	Same as C127
C130	78571	Same as C114
J101, J102	33514	Connector—Dual channel input, female connector
J103	75543	Connector—2-contact female connector for recorder power
J104, 105	33514	Connector—Dual input/output female connector
R101	502410	Resistor—Fixed, composition, 100,000 ohm, ±10%, 1/2 w.
R102	502347	Resistor—Fixed, composition, 47,000 ohm, ±10%, 1/2 w.
R103	502410	Same as R101
R104	502233	Resistor—Fixed, composition, 3300 ohm, ±10%, 1/2 w.
R105A, B	105374	Control—Dual bass tone control, 500,000 ohm per section, ±20%
R106	502422	Resistor—Fixed, composition, 220,000 ohm, ±10%, 1/2 w.
R107	502322	Resistor—Fixed, composition, 22,000 ohm, ±10%, 1/2 w.
R108A, B	105373	Control—Dual treble tone control, 500,000 ohm per section, ±20%
R109	502327	Resistor—Fixed, composition, 27,000 ohm, ±10%, 1/2 w.
R110A, B	105372	Control—Dual volume control, 500,000 ohm per section, ±20%
R111	502282	Resistor—Fixed, composition, 8,200 ohm, ±10%, 1/2 w.
R112	502410	Same as R101
R113	502233	Same as R104
R114	502310	Resistor—Fixed, composition, 10,000 ohm, ±10%, 1/2 w.
R115	502382	Resistor—Fixed, composition, 82,000 ohm, ±10%, 1/2 w.
R116	502356	Resistor—Fixed, composition, 56,000 ohm, ±10%, 1/2 w.
R117	502227	Resistor—Fixed, composition, 2700 ohm, ±10%, 1/2 w.
R118	502322	Same as R107
R119	502327	Same as R109
R120	502447	Resistor—Fixed, composition, 470,000 ohm, ±10%, 1/2 w.
R121	522127	Resistor—Fixed, composition, 270 ohm, ±10%, 2 w.
R122	502282	Same as R111
R123	502256	Resistor—Fixed, composition, 5600 ohm, ±10%, 1/2 w.
R124	502347	Same as R102
R125, R126	502410	Same as R101
R127	502233	Same as R104
R128	502422	Same as R106
R129	502322	Same as R107
R130	502327	Same as R109
R131	502282	Same as R111
R132	502410	Same as R101
R133	502233	Same as R104
R134	502310	Same as R114
R135	502356	Same as R116
R136	502182	Resistor—Fixed, composition, 820 ohm, ±10%, 1/2 w.
R137	502247	Resistor—Fixed, composition, 4700 ohm, ±10%, 1/2 w.
R138	502147	Resistor—Fixed, composition, 470 ohm, ±10%, 1/2 w.
R139	502410	Same as R101
R140	502233	Same as R104
R141	502447	Same as R120
R142	105659	Control—Adjustable balance control, 500,000 ohm, ±10%

SYMBOL No.	STOCK No.	DESCRIPTION
R143	502322	Same as R107
R144	502447	Same as R120
R145	502247	Same as R137
R146	522222	Resistor—Fixed, composition, 2200 ohm, ±10%, 2 w.
S101	—	Switch—Power "on-off" switch (part of S102)
S102	105368	Switch—"OFF-MARK-STEREO" function switch
T101	105369	Transformer—Power transformer
T102	104337	Transformer—Output transformer
	100270	Grommet—Strain relief grommet for power cord
	18469	Plate—Capacitor mounting plate for C102 and C115
	105382	Shield—Tube shield for V101
	105558	Socket—Pilot lamp socket
	68590	Socket—Tube socket, 8 pin for V105, V106, V107
	104852	Socket—Tube socket, 9 pin for V101
	100474	Socket—Tube socket, 9 pin for V102, V103, V104
SPEAKER ASSEMBLY		
C117	100509	Capacitor—Fixed, electrolytic, 8 mf., ±25%, 10 v. ac
	100467	Housing—Speaker housing for 3 1/2" speakers
	105395	Speaker—3 1/2" PM loudspeaker, complete with cone
	100897	Speaker—12" PM loudspeaker, complete with cone
MISCELLANEOUS CABINET ITEMS		
	104530	Bracket—Control knob escutcheon mounting bracket
	X3723	Cloth—Grille cloth for mahogany cabinet
	X3924	Cloth—Grille cloth for maple cabinet
	X3923	Cloth—Grille cloth for oak cabinet
	X3925	Cloth—Grille cloth for walnut cabinet
	101868	Cushion—Felt lid cushion (2 req'd)
	103755	Emblem—"High Fidelity" emblem for mahogany and maple cabinets only
	105379	Escutcheon—Amplifier control knob escutcheon
	102420	Hinge—Cabinet hinge (2 req'd) for mahogany and walnut cabinets, statuary bronze

SYMBOL No.	STOCK No.	DESCRIPTION
	105635	Hinge—Cabinet hinge (2 req'd) for maple and oak cabinets, polished brass
	105377	Knob—"Bass" or "Treble" control knob
	105380	Knob—"Off/Mark/Stereo" control knob
	105378	Knob—"Loudness" control knob
	Z3855	Leg—Right front or left front leg, satin brass finish
	Z3856	Leg—Right rear leg, satin brass finish
	Z3857	Leg—Left rear leg, satin brass finish
	103240	Motif—"Stereo" motif
	104176	Ornament—"V" ornament, polished brass
	101537	Plate—Mounting plate for leg assembly, 2 1/4" x 3/4" x 0.090" thk.
	73203	Retainer—Speed nut, retainer for "Stereo" motif
	Z3922	Rod—Metal rod, horizontal front support for oak or walnut cabinet
	Z3872	Rod—Metal rod, horizontal side support for oak or walnut cabinet
	74734	Spring—Retaining spring for amplifier control knobs
	104421	Spring—Lid support spring
	105634	Support—Cabinet lid support for maple and oak cabinets, polished brass
	104422	Support—Cabinet lid support for mahogany and walnut cabinets, statuary bronze
	Z3854	Tube—2 3/4" x 1/2" O.D. metal, front leg support
MICROPHONE ASSEMBLY		
	105619	Base—Microphone base with riser and emblem
	97011	Connector—Male plug connector for microphone cable
	100162	Emblem—Trademark emblem
	105620	Microphone—Microphone assembly complete with cable and plug, less swivel and stand
	101592	Screw—#8-32 x 1/4" set screw for swivel
	105621	Screw—Male and female shoulder screw (1 set) for swivel
	105622	Swivel—Microphone swivel
	105618	Washer—Phenolic washer for swivel mounting (2 required)

REFER TO YOUR RCA DISTRIBUTOR FOR PRICES OF REPLACEMENT PARTS