RCA VICTOR

MODEL	NAME	STYLING	FINISH
3-VE-075	*Tenor*	*Contemporary*	*Mahogany*
3-VE-086	*Soprano*	*Danish*	*Walnut*
3-VE-04	*Barcarolle*	*Early American*	*Maple*
3-VE-105	*Bolero*	*Contemporary*	*Mahogany*
3-VE-106	*Bolero*	*Contemporary*	*Walnut*
3-VE-107	*Bolero*	*Contemporary*	*Oak*
3-VE-205	*Largo*	*Contemporary*	*Mahogany*
3-VE-207	*Largo*	*Contemporary*	*Oak*
3-VE-226	*Humoresque*	*Danish*	*Walnut*
3-VE-244	*Tanglewood*	*Early American*	*Maple*
3-VF-065	*Baritone*	*Contemporary*	*Mah. grain*
3-VF-066	*Baritone*	*Contemporary*	*Wal. grain*
3-VF-105	*Bolero*	*Contemporary*	*Mahogany*
3-VF-105X	*Bolero*	*Contemporary*	*Mahogany*
3-VF-106	*Bolero*	*Contemporary*	*Walnut*
3-VF-106X	*Bolero*	*Contemporary*	*Walnut*
3-VF-107	*Bolero*	*Contemporary*	*Oak*
3-VF-107X	*Bolero*	*Contemporary*	*Oak*
3-VF-205	*Largo*	*Contemporary*	*Mahogany*
3-VF-205X	*Largo*	*Contemporary*	*Mahogany*
3-VF-207	*Largo*	*Contemporary*	*Oak*
3-VF-207X	*Largo*	*Contemporary*	*Oak*
3-VF-226	*Humoresque*	*Danish*	*Walnut*
3-VF-226X	*Humoresque*	*Danish*	*Walnut*
3-VF-244	*Tanglewood*	*Early American*	*Maple*
3-VF-244X	*Tanglewood*	*Early American*	*Maple*

RCA SALES CORPORATION

A RADIO CORPORATION OF AMERICA SUBSIDIARY
600 NORTH SHERMAN DRIVE
INDIANAPOLIS 1, INDIANA

RADIO/"VICTROLA"® SERVICE DATA

—File: 1962 No. 7—

3-VE-0 Series
3-VE-1 Series
3-VE-2 Series
3-VF-0 Series
3-VF-1 Series
3-VF-2 Series
3-VF-1X Series
3-VF-2X Series

Tuner Chassis RC-1206C, F

FM-Stereo Chassis RS-200C

Amplifier Chassis RS-193A, B, D, E, F

Record Changers RP-216B-1,-2

SPECIFICATIONS

TUNING RANGE

Standard Broadcast (AM) .....540-1600 kc
Frequency Modulation (FM) .....88-108 mc

INTERMEDIATE FREQUENCIES

AM .....455 kc FM .....10.7 mc

POWER SUPPLY RATING

3-VE-0,-1,-2 Series .....110-120 volts, 60 cycle, 85 watts
3-VF-0,-1,-2 Series .....110-120 volts, 60 cycle, 120 watts
3-VF-1X,-2X Series .....110-120 volts, 60 cycle, 125 watts

MUSIC POWER OUTPUT

E.I.A. (Std. RS-234) ..... 8 watts
Maximum .....20 watts

RECORD CHANGERS (RP-216B-1,-2)

Turntable Speeds .....16⅔, 33⅓, 45 or 78 rpm.
Record Capacity .....Up to fifteen 7 inch
or twelve 10 inch
or ten 12 inch
or ten 12 inch and 10 inch intermixed

FREQUENCY RESPONSE

3-VE-0 Series, 3-VF-0 Series .....70-20,000 cycles
3-VE-1 Series, 3-VF-1,-1X Series .....65-20,000 cycles
3-VE-2 Series, 3-VF-2,-2X Series .....60-20,000 cycles

STYLI

RP-216B-1 (Stock No. 110022) .....3-mil syn. sapp. and 0.7-mil dia.
RP-216B-2 (Stock No. 110020) .....3-mil and 0.7-mil syn. sapp.

SUPPLEMENTARY INFORMATION LISTINGS

Vol.	Issue	Subject

1962 No. 7

First Edition First Printing

Printed in U.S.A.

SPECIFICATIONS (Continued)

TUBE COMPLEMENT

Tuner Chassis—RC-1206C, F

(V101) RCA 12DT8 .....FM RF Amp. and Converter
(V2) RCA 12BE6 .....AM Converter
(V3) RCA 12BA6 .....2nd FM IF Amplifier
(V4) RCA 12AU6 .....AM and 3rd FM IF Amplifier
(V5) RCA 12AL5 .....FM Ratio-Detector
(V6) RCA 35W4 .....Rectifier
(V7) RCA 12BA6 .....1st FM IF Amplifier

A crystal diode is used for the AM Detector

FM-Stereo Chassis—RS-200C

(V501) RCA 12AX7A ....Compensating Amplifier & Phase Splitter
(V502) RCA 6CL8A .....Driver & Oscillator
CR501 .....Doubler
CR502 .....Doubler
CR503 .....Detector
CR504 .....Detector

Power Amplifier Chassis—RS-193A,B,D,E,F,

(V201) RCA 6EU7 ....Right and Left Channel Amplifier
(V202) RCA 6BQ5 .....Right Channel Amplifier
(V203) RCA 6BQ5 .....Left Channel Amplifier
(V204) RCA 5Y3GT .....Rectifer

PICKUP

RP-216B-1 (Stock No. 110023) .....Stereophonic Ceramic
RP-216B-2 (Stock No. 110021) .....Stereophonic Ceramic

TUNING DRIVE RATIO .....15:1 (7½ Turns of Knob)

LOUD SPEAKERS

3-VE-0,-1 Series, 3-VF-0,-1,-1X Series

Two—8" PM "Duo-Cone" .....3.2 ohm voice coil imp.
Two—3½" PM "Tweeter" .....6-8 ohm voice coil imp.

3-VE-2 Series, 3-VF-2,-2X Series

Two—10" PM "Duo-Cone" .....3.2 ohm voice coil imp.
Two—3½" PM "Tweeter" .....6-8 ohm voice coil imp.

CABINET DIMENSIONS	Height	Width	Depth
3-VE-07,-8	29¼"	32"	16¾"
3-VE-09	29¼"	32"	17½"
3-VE-10, 3-VF-10	29"	39¾"	17½"
3-VE-20, 3-VF-20	30 1/16"	41¾"	18⅝"
3-VE-22, 3-VF-22	31 1/16"	42 11/16"	18½"
3-VE-24, 3-VF-24	31 1/16"	42½"	18 5/16"
3-VF-06	27⅝"	37¾"	17⅜"

DESCRIPTION

Models of the 3-VE-0 Series, 3-VE-1 Series and 3-VE-2 Series are high-fidelity stereophonic "Victrola" consoles designed to provide in-the-cabinet stereophonic reproduction; they are complete stereophonic record playing systems consisting of a record changer, a dual-channel amplifier, and two speaker systems, all housed in a single console cabinet styled in Contemporary, Danish or Early American design.

Models of the 3-VF-1 Series and 3-VF-2 Series are high-fidelity Radio/"Victrola" combination consoles; they are similar to the models in the 3-VE-1 Series and 3-VE-2 Series respectively but with the addition of an FM-AM radio tuner. Jacks are provided on the tuner for the connection of an FM stereo (Multiplex) adapter to permit reception of FM stereophonic broadcasts.

Models of the 3-VF-0 Series, 3-VF-1X Series and 3-VF-2X Series are Radio/"Victrola" combination consoles that are similar to the above models but with the addition of a factory installed FM-Stereo adapter.

All models, except those of the 3-VE-0 Series have jacks provided for the connection of "Total Sound" speakers (Model SS-6), to obtain optimum stereophonic effect.

The seven tube (11 function) tuner (RC-1206C,F) provides for the reception of regular FM or AM broadcasts and for the reception of FM stereo broadcasts, when an FM stereo adapter is used. Three controls (TUNING, NORMAL/AFC switch, AM/FM/MULTIPLEX function switch) are provided for the operation of this chassis.

The FM channel consists of an RF stage, a mixer-oscillator stage, three IF stages and a ratio detector stage. The AM channel consists of a mixer-oscillator stage, and IF amplifier stage, and a detector stage. Superhetrodyne circuitry is used in both channels. The output of the tuner chassis is connected to the tuner input of the audio amplifier chassis (RS-193A,E, or F). A 1:1 transformer is used to provide power line isolation to the tuner chassis.

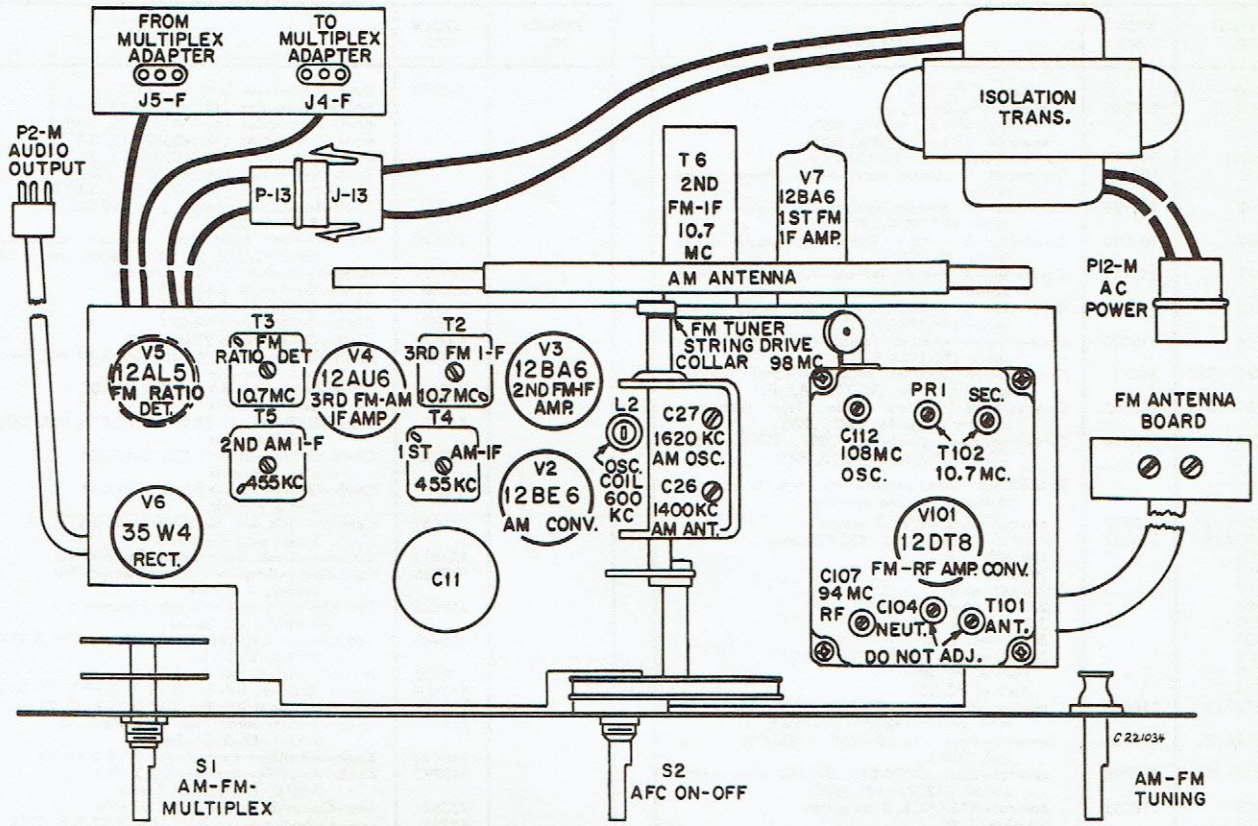
The 3-VE-2 Series, 3-VF-2 Series and 3-VF-2X Series instruments use the RP-216-B1 record changer which contains a ceramic stereophonic pickup equipped with a "push-over" "clip-in" dual styli assembly, containing a 0.7-mil diamond "MG" stylus and a 3-mil synthetic sapphire "78" stylus. The record changer will play 7", 10", or 12" records at speeds of 16-2/3, 33-1/3, 45 or 78 rpm.

The 3-VE-0 Series, 3-VE-1 Series, 3-VF-0 Series, 3-VF-1 Series and 3-VF-1X Series instruments use the RP-216-B2 record changer which is similar to the RP-216-B1 except for the styli assembly which contains a 0.7-mil "MG" and a 3-mil "78" synthetic sapphire stylus.

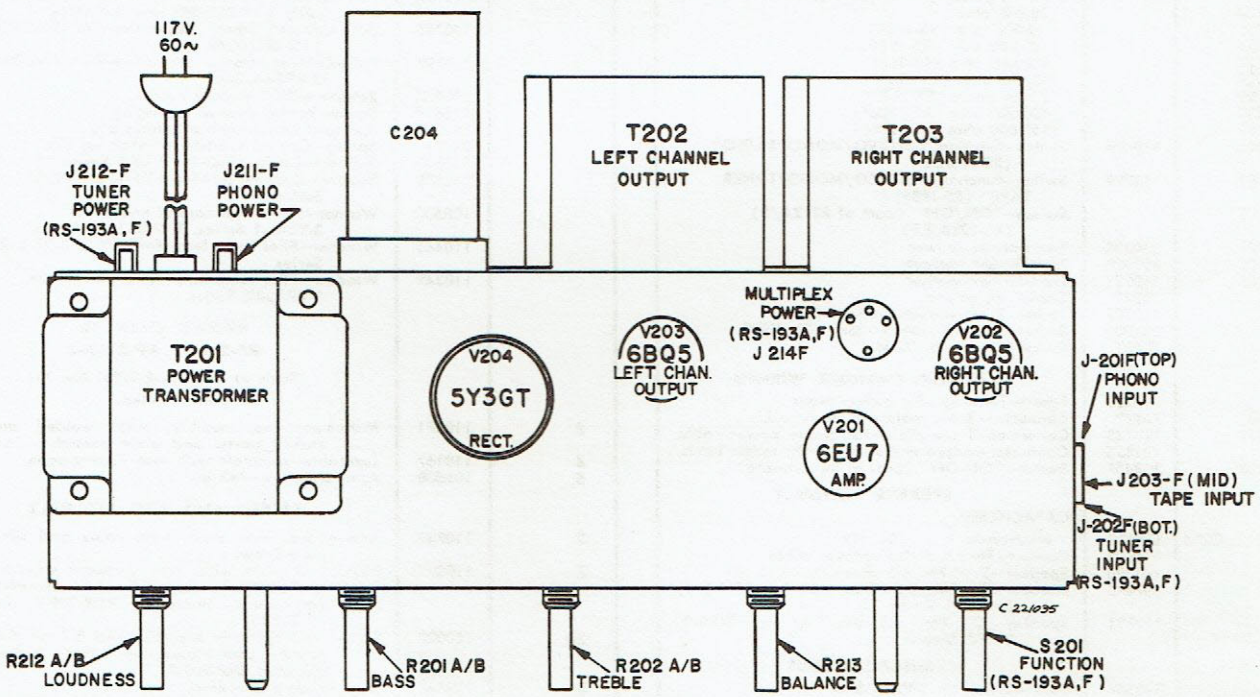
The RS-193 amplifier chassis is a four tube (including rectifier) dual-channel audio amplifier consisting of a preamplifier stage and an output stage for each channel. Three dual section controls (LOUDNESS, BASS, and TREBLE) provide simultaneous regulation of the two channels, and a single section BALANCE control provides for the regulation of the relative strength of each channel. The dual LOUDNESS control is compensated to maintain a balance between the bass and treble frequencies at all settings of the control.

Five versions of the RS-193 chassis are used as noted in the table. Each of the versions are electrically identical circuitwise—with the differences existing only in the input circuits, power take off jacks, "Total Sound" speaker jacks and pilot lamp. The "A" version of the chassis (RS-193A) embodies a function switch and associated audio input and power jacks, to provide for the connection of a tuner unit and a record player. Jacks for the connection of "Total Sound" speakers and a pilot lamp are also provided. The "B" version of the chassis (RS-193B) has jacks provided for the connection of a record player and "Total Sound" speakers, but contains no function switch or jacks for tuner connection. A pilot lamp is provided. The "D" version of the chassis (RS-193D) is similar to the "B" version except that the "Total Sound" speaker jacks and pilot lamp are omitted. The "E" version of the chassis (RS-193E) is similar to the "A" version except that the pilot lamp is omitted. The "F" version of the chassis (RS-193F) is similar to the "A" version with the additional provision of a stereo input/output tape jack. When the function switch is in the Tuner position or either of the Phono positions, the Tape jack becomes an output connection from the preamplifier stage. When the function switch is in the Tape position the Tape jack becomes an input connection to the preamplifier stage. This version also has provisions for placing the power for the entire instrument under control of the "ON-OFF" switch on the record changer thus accomplishing shut-off of the complete instrument after the last record has been played.

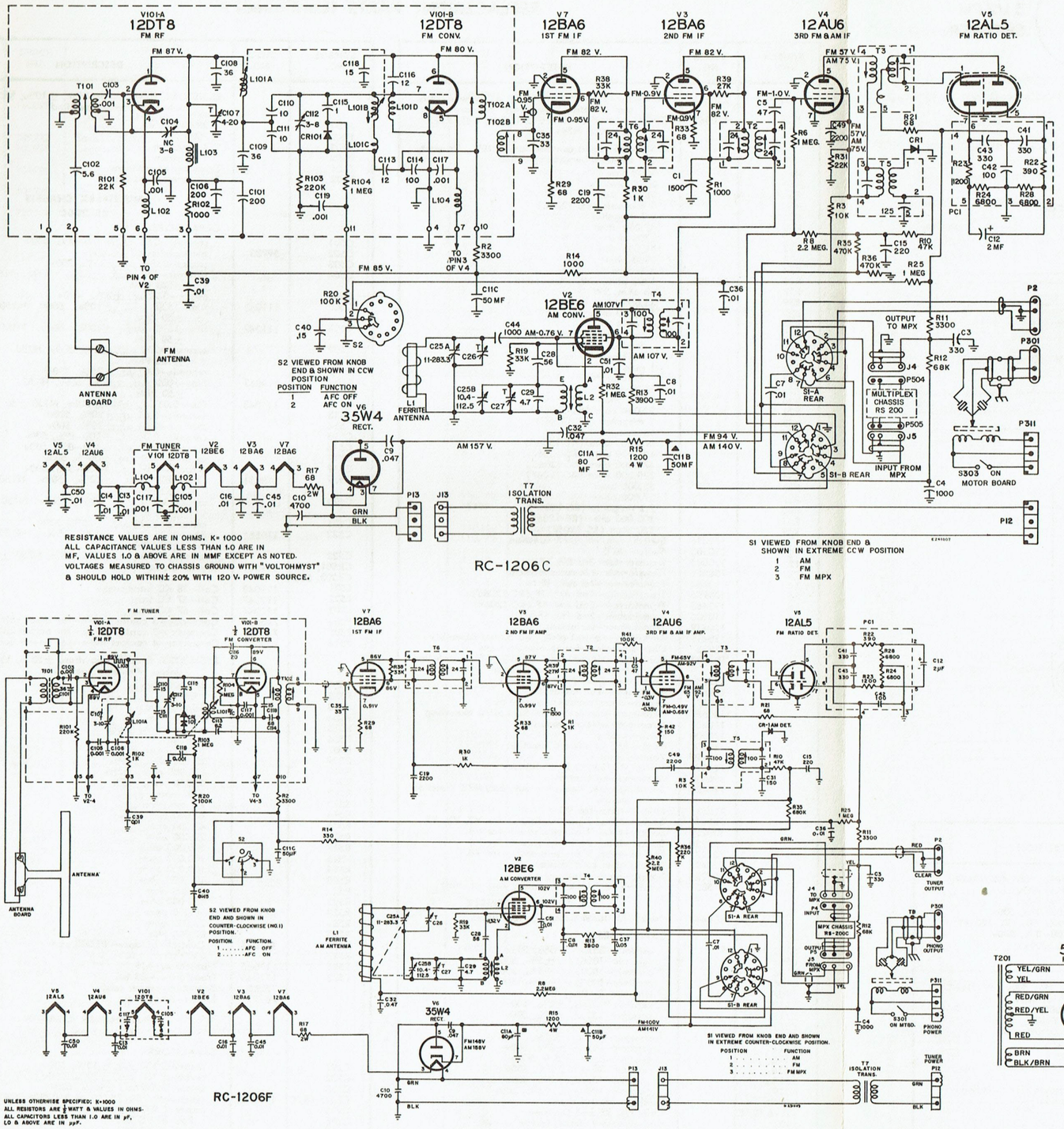
The SS-6 speaker contains a 5" x 7" "woofer" and a 3½" "tweeter" speaker plus appropriate networks to limit the range of frequencies applied to each speaker and to the speakers in the main instrument. It also includes a terminal board with an adjustable shorting bar. In the NORMAL position, the internal speaker systems in the main instrument reproduce only the low frequencies, and the external speaker systems reproduce only the mid-range and higher frequencies. When the shorting bar is placed in the ALTERNATE position, the full range of frequencies is reproduced in the internal speaker systems, and the external speaker systems reproduce only the mid-range and higher frequencies. This system is designed to provide "Total Sound" stereophonic reproduction.



Chassis RC-1206—Location of Major Components



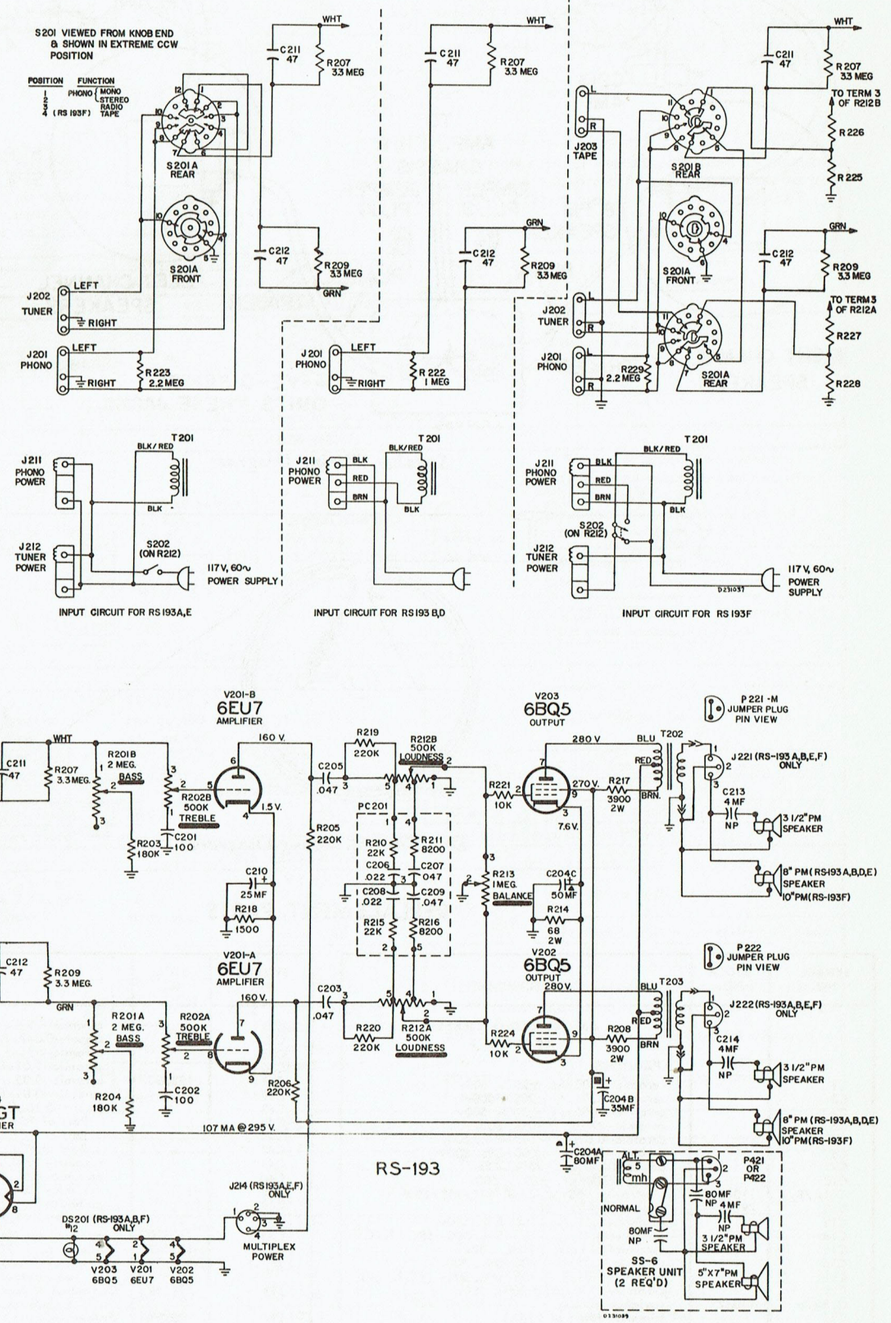
Chassis RS-193—Location of Major Components

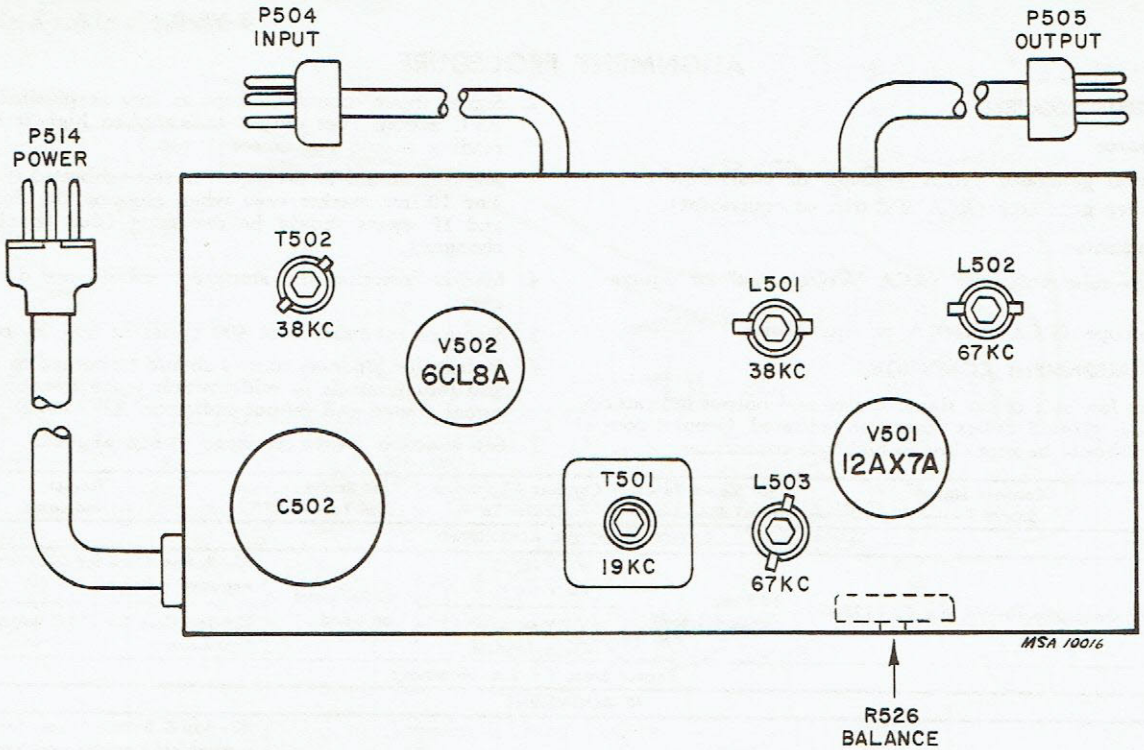


RC-1206C

RC-1206F

Schematic Diagrams

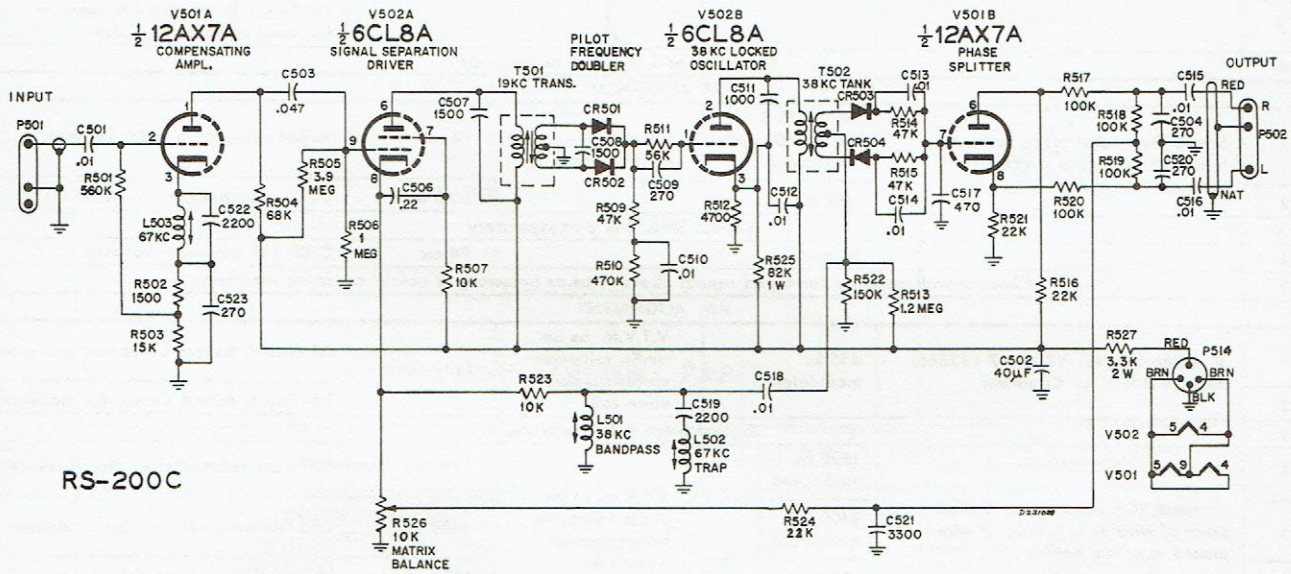




Chassis RS-200C—Location of Major Components

FM STEREO (MULTIPLEX) ALIGNMENT

At the time of publication, an FM Stereo Simulator (WR-51A) has been planned for early availability in the field. Its accompanying instruction book will include a detailed pr cedure for FM Stereo alignment.



RS-200C—Schematic Diagram

CRITICAL LEAD DRESS

Chassis RC-1206C,F

1. 10.7 mc IF grid and plate wiring must be short and dressed close to chassis.
2. Connect AVC side of AM antenna to top side of tuning gang, and dress clear of 12BE6 and 12BA6 tubes.
3. Dress heater lead which connects to pin 4 of 12BE6 along rear apron and to rear of 12BA6 socket.
4. B+ lead from pin 6 of 12BE6 to T4 must be short and dressed along chassis.
5. All RF bypass capacitor leads must be short and direct.
6. All heater leads must be close to chassis.

Chassis RS-193A, B, D, E, F

1. Dress all heater leads close to chassis and away from a grid connections.
2. Dress all green and white leads against front apron.
3. Dress all leads to pins 6 and 8 of V204(5Y3) close t chassis.
4. Dress all leads from T202 and T203 against back apron.
5. Dress R8 and R17 (3900Ω) close to back apron keepin leads as short as possible.
6. Bend terminal 2 away from terminals 1 and 3 of J21 on RS-193B amplifier.
7. Dress leads away from all power resistors.

ALIGNMENT PROCEDURE

INSTRUMENTS REQUIRED

Signal Source

1. RF signal generator (RCA WR-49B or equivalent).
2. FM sweep generator (RCA WR-69A or equivalent).

Output Indicator

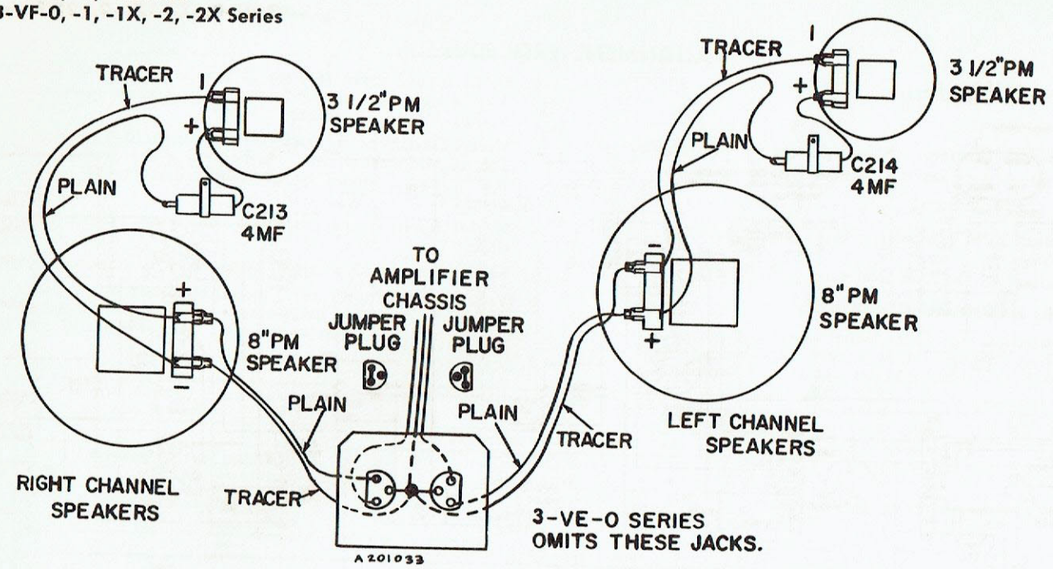
3. Vacuum tube voltmeter (RCA "Voltohmyst" or equivalent).
4. Oscilloscope (RCA WO-91A or equivalent).

GENERAL ALIGNMENT CONDITIONS

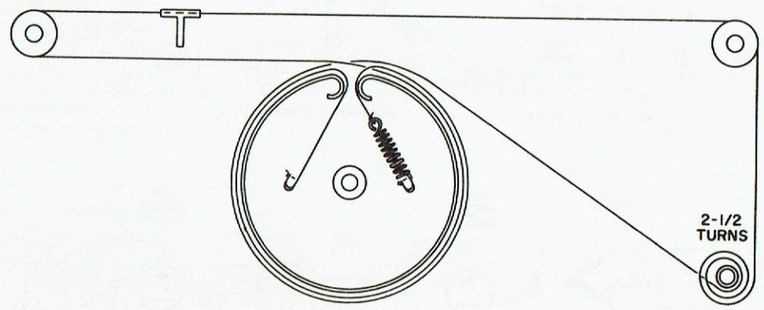
1. Connect low side of the signal source and output indicator to chassis ground unless otherwise indicated. Ground connection should be kept close to high side connection.
2. Signal input should be kept as low as possible to avoid AVC action. (Set output indicator to highest sensitivity, reading should not exceed 1 volt.)
3. Markers should be accurate (crystal calibrated if possible). The 10.7mc marker used when aligning the demodulator and IF stages should be the same (dial should not be changed).
4. Marker insertion and amplitude should not distort scope trace.
5. Standard modulation is 400 cycles at 30% amplitude.
6. Volume or loudness control should be turned to maximum and tone controls to mid-position when they are between signal source and output indicator. AFC switch OFF.
7. Set function switch to band being aligned.

Step	Connect Signal Source To —	Set Signal To — Insert Markers —	Connect Alignment Indicator To —	Set Radio Dial To —	Adjust As Indicated
	RATIO DETECTOR ALIGNMENT				
1	RF Generator To—V4, pin #2 (12EQ7)	10.7 mc (unmodulated)	V.T.V.M. to—PC 1, Term. 5	Quiet point on band	T3—Bottom Core for maximum negative voltage
2			V.T.V.M. to—PC 1, Term. 4		T3—Top Core for ZERO voltage (cross-over)
3	Repeat Steps 1 & 2 as Necessary				
	IF ALIGNMENT				
1	Sweep Generator to—a piece of wire inserted between tube and tube shield of V101 (on FM Tuner)	240 kc Sweep centered at 10.7 mc Markers at—10.6, 10.7 & 10.8 mc	Oscilloscope to—V4, pin 2 (12EQ7) through a 180 k resistor	Quiet point on band	T2—Top & Bottom Cores—for max. symmetrical response—centered at 10.7 mc with 10.6 & 10.8 mc markers at equal heights and not more than 50% down slope
2					T6—Top & Bottom Cores—for same response as above
3					T102—pri. & sec. (on FM Tuner)—for same response as above
4	Repeat Steps 1, 2 and 3 as Necessary				
	RF ALIGNMENT				
1	Sweep Generator across antenna terminals through a matching network if necessary	98 mc, 22.5 kc sweep, 400 cycle modulation	V.T.V.M. to—Audio Output Jack	98 mc	Adjust string-drive collar for max.
2		10.8 mc		10.8 mc	C112 (osc. trimmer) for max.
3	Repeat Steps 1 & 2 as Necessary				
4		94 mc		94 mc	C107 (RF trimmer)—for max.
5	Check overall response curve and repeat above steps as necessary to obtain maximum sensitivity.				
	AM ALIGNMENT				
1	RF Generator to—V2, pin 7 (12BE6) through a 0.01 mf Capacitor	455 kc modulated	V.T.V.M. as an audio voltmeter—across speaker voice coil	fully open	T5—Top & Bottom Cores—for maximum
2					T4—Top & Bottom Cores—for maximum
3	Repeat Steps 1 & 2 as Necessary				
4	Connect RF Generator to—a short piece of wire or to a loop of wire placed near AM antenna	1620 kc modulated	V.T.V.M. as an audio voltmeter—across speaker voice coil	1620 kc	C27 (oscillator trimmer) for maximum
5		1400 kc modulated		1400 kc	C26 (antenna trimmer) for maximum
6		600 kc modulated		600 kc (rock gang)	L2 (oscillator coil) for maximum
7	Repeat 4, 5, & 6 for maximum sensitivity				

MODEL SERIES	TUNER CHASSIS	FM-STEREO CHASSIS	RECORD CHANGER	AMPLIFIER CHASSIS	JACKS PROVIDED FOR CONNECTION OF— TUNER	TAPE	"TOTAL SOUND" SPKRS.	FM-STEREO	PILOT LAMP
3-VE-0	.....	.....	RP-216B-2	RS-193D	.....	.....	.....	.....	.....
3-VE-1	.....	.....	RP-216B-2	RS-193B	.....	.....	Yes	.....	Yes
3-VE-2	.....	.....	RP-216B-1	RS-193F	Yes	Yes	Yes	.....	Yes
3-VF-06	RC-1206F	RS-200C	RP-216B-2	RS-193E	Equpd.	.....	Yes	Equpd.	.....
3-VF-1	RC-1206C,F	.....	RP-216B-2	RS-193A	Equpd.	.....	Yes	Yes	Yes
3-VF-1X	RC-1206F	RS-200C	RP-216B-2	RS-193A	Equpd.	.....	Yes	Equpd.	Yes
3-VF-2	RC-1206C,F	.....	RP-216B-1	RS-193F	Equpd.	Yes	Yes	Yes	Yes
3-VF-2X	RC-1206F	RS-200C	RP-216B-1	RS-193F	Equpd.	Yes	Yes	Equpd.	Yes



Speaker Wiring Diagram



Dial Cord Stringing Diagram

REPLACEMENT PARTS

SYMBOL NO.	STOCK NO.	DESCRIPTION
		AM/FM RADIO CHASSIS RC-1206C, F
		CAPACITORS:
C1		ceramic—1500$\mu\mu$f, ±20%, 500v
C3		ceramic—330$\mu\mu$f, ±20%, 500v
C4		ceramic—1000$\mu\mu$f, ±20%, 500v
C5		ceramic—47$\mu\mu$f, ±10%, 500v
C7		ceramic—0.01μf, +100–0%, 500v
C8		ceramic—0.01μf, +100–0%, 500v
C9		paper—0.047μf, ±20%, 400v
C10		paper—4700$\mu\mu$f, ±20%, 600v
C11A/B/C	110421	electrolytic—80/50/50μf, 175/150/150v
C12	79181	electrolytic—2μf, 50v
C13		ceramic—0.01μf, +100–0%, 500v
C14		ceramic—0.01μf, +100–0%, 500v (RC-1206C)
C15		ceramic—220$\mu\mu$f, ±20%, 500v
C16		ceramic—0.01μf, +100–0%, 500v
C17		ceramic—0.01μf, +100–0%, 500v (RC-1206F)
C19		ceramic—2200$\mu\mu$f, ±20%, 500v
C25A/B	110422	variable—tuning
C26		trimmer—(Part of C25A)
C27		trimmer—(Part of C25B)
C28		ceramic—56$\mu\mu$f, ±10%, 500v, N750
C29	77471	ceramic—4.7$\mu\mu$f, ±0.5$\mu\mu$f, 500v, N3300

SYMBOL NO.	STOCK NO.	DESCRIPTION
C31		ceramic—150$\mu\mu$f, ±10%, 500v (RC-1206F)
C32		paper—0.047μf, ±20%, 400v
C35		ceramic—33$\mu\mu$f, ±10%, 500v
C36		ceramic—0.01μf, +100–0%, 500v
C37	103380	ceramic—0.05μf, ±20%, 50v (RC-1206F)
C39		ceramic—0.01μf, +100–0%, 500v
C40		paper—0.15μf, ±20%, 200v
C41		Part of PC1
C42		Part of PC1
C43		Part of PC1
C44		ceramic—1000$\mu\mu$f, ±20%, 500v (RC-1206C)
C45		ceramic—0.01μf, ±10%, 500v
C49		ceramic—2200$\mu\mu$f, ±20%, 500v
C50		ceramic—0.01μf, +100–0%, 500v
C51		ceramic—0.01μf, +100–0%, 500v
CR1	110610	Diode—crystal (RC-1206C)
CR1	111049	Diode—crystal (RC-1206F)
J4, J5	101998	Connector—3 contact female—for MPX input and output
J13	110119	Connector—2 contact female—for isolation transformer secondary
L1	108999	Antenna—ferrite, AM
L2	108997	Coil—oscillator
P2	74882	Connector—3 contact male—for audio amplifier cable

REPLACEMENT PARTS (Continued)

SYMBOL NO.	STOCK NO.	DESCRIPTION
P12, P13	110145	Connector—2 contact male—for AC power cable and isolation transformer primary leads
PC1	110362	Circuit—printed (includes C41, C42, C43, R22, R23, R24, R28)
		RESISTORS: fixed composition, ±10%, ½ watt, unless otherwise specified
R1		1000 ohm
R2		3300 ohm
R3		10,000 ohm
R6		1 megohm (RC-1206C)
R8		2.2 megohm
R10		47,000 ohm
R11		3300 ohm
R12		68,000 ohm
R13		3900 ohm
R14		330 ohm
R15	101881	1200 ohm, 4W, wirewound
R17		68 ohm, 2W
R19		33,000 ohm
R20		100,000 ohm
R21		68 ohm
R22		Part of PC1
R23		Part of PC1
R24		Part of PC1
R25		1 megohm
R28		Part of PC1
R29		68 ohm
R30		1,000 ohm
R31		22,000 ohm (RC-1206C)
R32		1 megohm (RC-1206C)
R33		68 ohm
R35		470,000 ohm (RC-1206C)
R35		680,000 ohm (RC-1206F)
R36		470,000 ohm (RC-1206C)
R36		220,000 ohm (RC-1206F)
R38		33,000 ohm
R39		27,000 ohm
R40		2.2 megohm (RC-1206F)
R41		100,000 ohm (RC-1206F)
R42		150 ohm (RC-1206F)
S1	110416	Switch—AM/FM/MPX function
S2	110803	Switch—AFC
T2	110005	Transformer—3rd FM, IF
T3	108583	Transformer—FM ratio detector
T4	110464	Transformer—1st AM, IF
T5	108996	Transformer—2nd AM, IF (RC-1206C)
T5	110463	Transformer—2nd AM, IF (RC-1206F)
T6	110005	Transformer—2nd FM, IF
T7	110439	Transformer—isolation
	110419	Backplate—control dial, and pulley assembly
	73935	Clip—retaining—for IF transformers
	101825	Connector—closed end splicing—for isolation transformer primary leads
	72953	Cord—dial drive (250 ft. spool)
	110802	Escutcheon—control knob
	77057	Eyelet—chassis mounting grommet
	16058	Grommet—chassis or dial backplate mounting
	110415	Grommet—antenna mounting
	110800	Knob—tuning
	110801	Knob—AFC or AM-FM function
	110420	Pointer—dial
	72602	Pulley—13/32" O.D. aluminum
	110418	Shaft—tuning control
	110423	Shield—plastic heat—for AM/FM/MPX function switch
	73521	Shield—tube—for V5
	77937	Socket—tube, 7 pin miniature—for V2, V3, V7
	109473	Socket—tube, 7 pin miniature—for V4
	102238	Socket—tube, 7 pin miniature—for V5
	73117	Socket—tube, 7 pin miniature—for V6
	72540	Spring—dial cord tension
	109288	Spring—knob retaining
	77585	Washer—"C" type for tuning control shaft
		FM TUNER ASSEMBLY
	108444	Tuner—FM tuner assembly, less tubes
		CAPACITORS:
C101		ceramic—36 $\mu\mu$f, ±5%, 500v
C103		ceramic—1000 $\mu\mu$f, ±5%, 500v
C105		ceramic—1000 $\mu\mu$f, ±5%, 500v
C106		ceramic—1000 $\mu\mu$f, ±5%, 500v
C107		trimmer—3-10 $\mu\mu$f, 250v
C110		ceramic—15 $\mu\mu$f, ±2%, 500v
C111		ceramic—15 $\mu\mu$f, ±2%, 500v
C112		trimmer—3-10 $\mu\mu$f, 250v
C113		ceramic—8.2 $\mu\mu$f, ±5%, 500v
C114		ceramic—68 $\mu\mu$f, ±5%, 500v
C115		ceramic—3 $\mu\mu$f, ±5%, 500v
C116		ceramic—20 $\mu\mu$f, ±5%, 500v
C118		ceramic—15 $\mu\mu$f, ±2%, 500v
C119		ceramic—1000 $\mu\mu$f, ±5%, 500v
CR101		Rectifier—crystal diode
L101A/B/C		Coil—FM, RF and Oscillator
L102		Coil—filament choke, ferrite sleeve
L103		Coil—plate load
L104		Coil—filament choke, ferrite sleeve

SYMBOL NO.	STOCK NO.	DESCRIPTION
		RESISTORS: fixed composition, ±10%, ½ watt, unless otherwise specified
R101		220,000 ohm
R102		1000 ohm
R103		1 megohm
R104		1 megohm
T101		Transformer—antenna
T102		Transformer—1st FM, IF
		MULTIPLEX CHASSIS RS 200C
		CAPACITORS:
C501		ceramic—0.01 μf, +100—0%, 500v
C502	59983	electrolytic—40 μf, 450v
C503		paper—0.047 μf, ±20%, 200v
C504		ceramic—270 $\mu\mu$f, ±20%, 500v, N750 ±120 PPM
C506		paper—0.22 μf, ±20%, 400v
C507	111042	film—1500 $\mu\mu$f, ±10%, 500v, N150 ±50 PPM
C508	111042	film—1500 $\mu\mu$f, ±10%, 500v, N150 ±50 PPM
C509		ceramic—270 $\mu\mu$f, ±5%, 500v, N750 ±120 PPM
C510		ceramic—0.01 μf, ±20%, 500v
C511	110861	film—1000 $\mu\mu$f, ±10%, 500v, N150 ±50 PPM
C512	111043	film—0.01 μf, ±10%, 500v, N150 ±50 PPM
C513		ceramic—0.01 μf, ±20%, 500v
C514		ceramic—0.01 μf, ±20%, 500v
C515		ceramic—0.01 μf, +100—0%, 500v
C516		ceramic—0.01 μf, +100—0%, 500v
C517		ceramic—470 $\mu\mu$f, ±20%, 500v
C518		ceramic—0.01 μf, +100—0%, 500v
C519	110881	film—2200 $\mu\mu$f, ±10%, 500v, N150 ±50 PPM
C520		ceramic—270 $\mu\mu$f, ±20%, 500v, N750 ±120 PPM
C521		ceramic—3300 $\mu\mu$f, ±20%, 500v
C522	110881	film—2200 $\mu\mu$f, ±10%, 500v, N150 ±50 PPM
C523		ceramic—270 $\mu\mu$f, ±5%, 500v, N750 ±120 PPM
CR501, 502	111049	Crystal-diode
CR503, 504		
L501	111048	Coil—38 KC bandpass
L502	111047	Coil—67 KC trap
L503	111047	Coil—67 KC trap
P501	74882	Connector—3 contact male—for input cable
P502	74882	Connector—3 contact male—for output cable
P514	110612	Connector—4 contact male—for power cable
		RESISTORS: fixed composition, ±10%, ½ watt, unless otherwise specified
R501		560,000 ohm
R502		1500 ohm
R503		15,000 ohm,
R504		68,000 ohm
R505		3.9 megohm, ±5%
R506		1 megohm
R507		10,000 ohm, ±5%
R509		47,000 ohm, ±5%
R510		470,000 ohm, ±5%
R511		56,000 ohm, ±5%
R512		4700 ohm
R513		1.2 megohm
R514		47,000 ohm
R515		47,000 ohm
R516		22,000 ohm
R517		100,000 ohm
R518		100,000 ohm
R519		100,000 ohm
R520		100,000 ohm
R521		22,000 ohm
R522		150,000 ohm
R523		10,000 ohm
R524		22,000 ohm
R525		82,000 ohm
R526	111044	Control—balance—10,000 ohm
R527		3300 ohm, ±20%, 2W
T501	111045	Transformer—19 KC
T502	111046	Transformer—38 KC
	72283	Grommet—power cable
	76971	Socket—tube, 9 pin
		AMPLIFIER CHASSIS RS-193A, B, D, E, F
		CAPACITORS:
C201		ceramic, 100 $\mu\mu$f, ±10%, 500v
C202		ceramic, 100 $\mu\mu$f, ±10%, 500v
C203		paper, 0.047 μf, ±10%, 400v
C204A/B/C	110335	electrolytic, 80/35/50 μf 350/300/150v
C205		paper, 0.047 μf, ±10%, 400v
C206		Part of PC 201
C207		Part of PC 201
C208		Part of PC 201

3-VE-0, -1, -2 Series
3-VF-0, -1, -1X, -2, -2X Series

REPLACEMENT PARTS (Continued)

SYMBOL NO.	STOCK NO.	DESCRIPTION
C209		Part of PC 201
C210	110329	electrolytic, 25 μf, 6v
C211		ceramic, 47 $\mu\mu$f, ±10%, 500v
C212		ceramic, 47 $\mu\mu$f, ±10%, 500v
DS201	109727	Socket—pilot lamp (RS-193A,B,F,)
J201	101998	Connector—3 contact female—for phono audio cable
J202	101998	Connector—3 contact female—for Tuner audio cable (RS-193A,E,F)
J203	101998	Connector—3 contact female—for tape audio cable (RS-193F)
J211	110119	Connector—3 contact female—for phono power cable
J212	110119	Connector—3 contact female—for tuner power cable (RS-193A,E,F,)
J214	110470	Connector—4 contact female—for MPX power cable (RS-193A,E,F)
J221, J222	36422	Connector—3 contact female—"Total Sound" speaker cables (RS-193A,B,E,F)
P221, P222	103165	Connector—3 contact male, less jumpers—dummy plugs for J207, J208
PC201	110118	Circuit—printed (includes C206, C207, C208, C209, R210, R211, R215, R216)
		RESISTORS: fixed, composition, ±10%, ½ watt, unless otherwise specified.
R201A/B	110332	control—dual BASS, 2 megohm
R202A/B	110331	control—dual TREBLE, 500,000 ohm
R203		180,000 ohm
R204		180,000 ohm
R205		220,000 ohm
R206		220,000 ohm
R207		3.3 megohm
R208		3900 ohm, 2 W
R209		3.3 megohm
R210		Part of PC 201
R211		Part of PC 201
R212A/B	110427	control—dual LOUDNESS, 500,000 ohm, with switch (S202)—(RS-193A,E)
R212A/B	110334	control—dual LOUDNESS, 500,000 ohm, (RS-193B,D)
R212A/B	110798	control—dual LOUDNESS, 500,000 ohm, with switch (S202)—(RS-193F)
R213	110333	control—BALANCE, 1 megohm
R214		68 ohm, 2 W
R215		Part of PC 201
R216		Part of PC 201
R217		3900 ohm, 2 W
R218		1500 ohm
R219		220,000 ohm (RC-1206C)
R220		220,000 ohm (RC-1206C)
R221		10,000 ohm, ±20%
R222		1 megohm (RS-193B,D,E)
R223		2.2 megohm, ±20% (RS-193A)
R224		10,000 ohm
R225		15,000 ohm (RS-193F)
R226		100,000 ohm (RS-193F)
R227		100,000 ohm (RS-193F)
R228		15,000 ohm (RS-193F)
R229		2.2 megohm (RS-193F)
R230		150,000 ohm (RC-1206F)
R231		150,000 ohm (RC-1206F)
S201	110426	Switch—function, "STEREO/MONO/RADIO" (RS-193A,E)
S201	110799	Switch—function, "STEREO/MONO/TUNER TAPE" (RS-193F)
S202		Switch—"ON/OFF" (part of R212A/B) (RS-193A,E,F)
T201	110330	Transformer—power
T202	110027	Transformer—output
T203	110027	Transformer—output
	70392	Cable—AC power
	110109	Socket—9 pin miniature—for V201
	204900	Socket—9 pin miniature—for V202, V203
	70827	Socket—Octal—for V204
		RECORD CHANGER WIRING
	110238	Board—Terminal—for pickup leads
P301	74882	Connector—3 pin male—for audio cable
P311	110145	Connector—3 pin male—for phono power cable
	101825	Connector—closed end splicing—for motor leads
S203	108457	Switch—"ON-OFF" (part of motorboard)
		SPEAKER ASSEMBLY
		CAPACITORS:
C213, C214	110138	electrolytic, 4 μf, 10v, NP
	110501	Contact—Terminal—for speaker cable
	105395	Speaker—3½" PM, 6-8 ohm v.c.
	107475	Speaker—8" PM, 3.2 ohm v.c.—for 3-VE-0,-1, 3-VF-0,-1 Series
	110791	Speaker—10" PM, 3.5 ohm v.c.—for 3-VE-2, 3-VF-2 Series
		MISCELLANEOUS
	110868	Back—Cover—for 3-VE-1, 3-VF-1

SYMBOL NO.	STOCK NO.	DESCRIPTION
	110797	Back—Cover—for 3-VE-2, 3-VF-2
		Book—Instruction (1B-1403702-1), 3-VE-0
		Book—Instruction (1B-1401597-1), 3-VE-1
		Book—Instruction (1B-1403725-1), 3-VE-2
		Book—Instruction (1B-1403749-1), 3-VF-0
		Book—Instruction (1B-1401598-1), 3-VF-1,-1X
		Book—Instruction (1B-1403725-1), 3-VF-2,-2X
		Book—Instruction—Insert (1B-1403736-1) 3-VF-1X,-2X
	110348	Bracket—Pilot light and window mounting—for 3-VE-1,-2, 3-VF-1,-2 Series and X Models
	101199	Bumper—Rubber, pickup arm rest
	X5358	Cloth—Grille—for 3-VE-075
	X5359	Cloth—Grille—for 3-VE-086
	X5360	Cloth—Grille—for 3-VE-094
	X5390	Cloth—Grille—for 3-VF-065,-066
	X5265	Cloth—Grille—for 3-VE-105,-106, 3-VF-105,-106, and X Models
	X5264	Cloth—Grille—for 3-VE-107, 3-VF-107, and X Models
	X5312	Cloth—Grille—for 3-VE-205,-207, 3-VF-205,-207, and X Models
	X5310	Cloth—Grille—for 3-VE-226, 3-VF-226, and X Models
	X5375	Cloth—Grille—for 3-VE-244, 3-VF-244, and X Models
	100459	Cushion—Felt, lid—for 3-VE-1, -2, 3-VF-1, -2 Series and X Models
	104411	Cushion—Knob, Escutcheon—for 3-VF-06
	110336	Escutcheon—Amplifier control panel—for 3-VE-0, -1 Series
	110442	Escutcheon—Amplifier control panel—for 3-VF-0,-1,-1X Series
	110443	Escutcheon—Amplifier control panel—for 3-VE-2, 3-VF-2,-2X Series
	110538	Hinge—Cabinet lid—for 3-VE-0 Series
	110339	Hinge—Cabinet lid—for 3-VE-1, 3-VF-1,-1X Series
	110796	Hinge—Cabinet lid—for 3-VE-2, 3-VF-2,-2X Series
	13103	Jewel—Amber lamp cap—for 3-VE-1, -2, 3-VF-1,-1X,-2,-2X Series
	110444	Knob—Amplifier control—for 3-VE-0 Series
	110792	Knob—Amplifier control—for 3-VE-1, -2, 3-VF-0,-1,-1X,-2,-2X Series
	X5368	Leg—Colonial Maple—for 3-VE-094
	X5261	Leg—Mahogany—for 3-VE-105, 3-VF-105,-105X
	X5262	Leg—Walnut—for 3-VE-106, 3-VF-106,-106X
	X5263	Leg—Oak—for 3-VE-107, 3-VF-107,-107X
	M5391	Lid—Mahogany—for 3-VF-065
	M5392	Lid—Walnut—for 3-VF-066
	109161	Nameplate—"RCA VICTOR"
	110742	Pull—Cabinet front, decorative—for 3-VE-075
	110741	Pull—Cabinet front, decorative—for 3-VE-086
	110743	Pull—Cabinet front, decorative—for 3-VE-094
	110794	Pull—Cabinet front, decorative—for 3-VE-205, -207, 3-VF-205,-207 and X Models
	110795	Pull—Cabinet front, decorative—for 3-VE-226, 3-VF-226,-226X
	110793	Pull—Cabinet front, decorative—for 3-VE-244, 3-VF-244,-244X
	110337	Retainer—"45" spindle holder
	112639	Screw—Record changer mounting
	109288	Spring—Control knob retaining clip
	74734	Spring—Control escutcheon retaining clip
	110537	Support—Cabinet lid—for 3-VE-0 Series
	110338	Support—Cabinet lid—for 3-VE-1, 3-VF-1,-1X Series
	108500	Washer—Nylon—for control knobs—for 3-VE-0,-1 Series, 3-VF-0,-1,-1X Series
	110445	Window—Pilot lamp lens—for 3-VE-2, 3-VF-2,-2X Series
	110349	Window—Pilot lamp lens—for 3-VE-1 Series, 3-VF-1,-1X Series
		RECORD CHANGER RP-216B-1, RP-216B-2
		Same as RP-216A-2 (1961 No. 11) except as noted.
2	110071	Motorboard—subassembly, with welded and staked parts, and plate assembly—Fawn
4	110167	Turntable—complete with mat—Champagne
5	108530	Arm—stabilizer—White
		PICKUP AND ARM ASSEMBLY
2	110739	Arm—pickup arm shell, with cable and lift—Date Brown
3	110023	Pickup—complete with 3-mil synthetic sapphire and 0.7-mil diamond styli assembly (pickup stamped (RMP-200-9)—for RP-216B-1
3A	110022	Styli—3-mil synthetic sapphire and 0.7-mil diamond styli assembly (for pickup stamped RMP-200-9)
8	110740	Shaft—pickup arm pivot

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