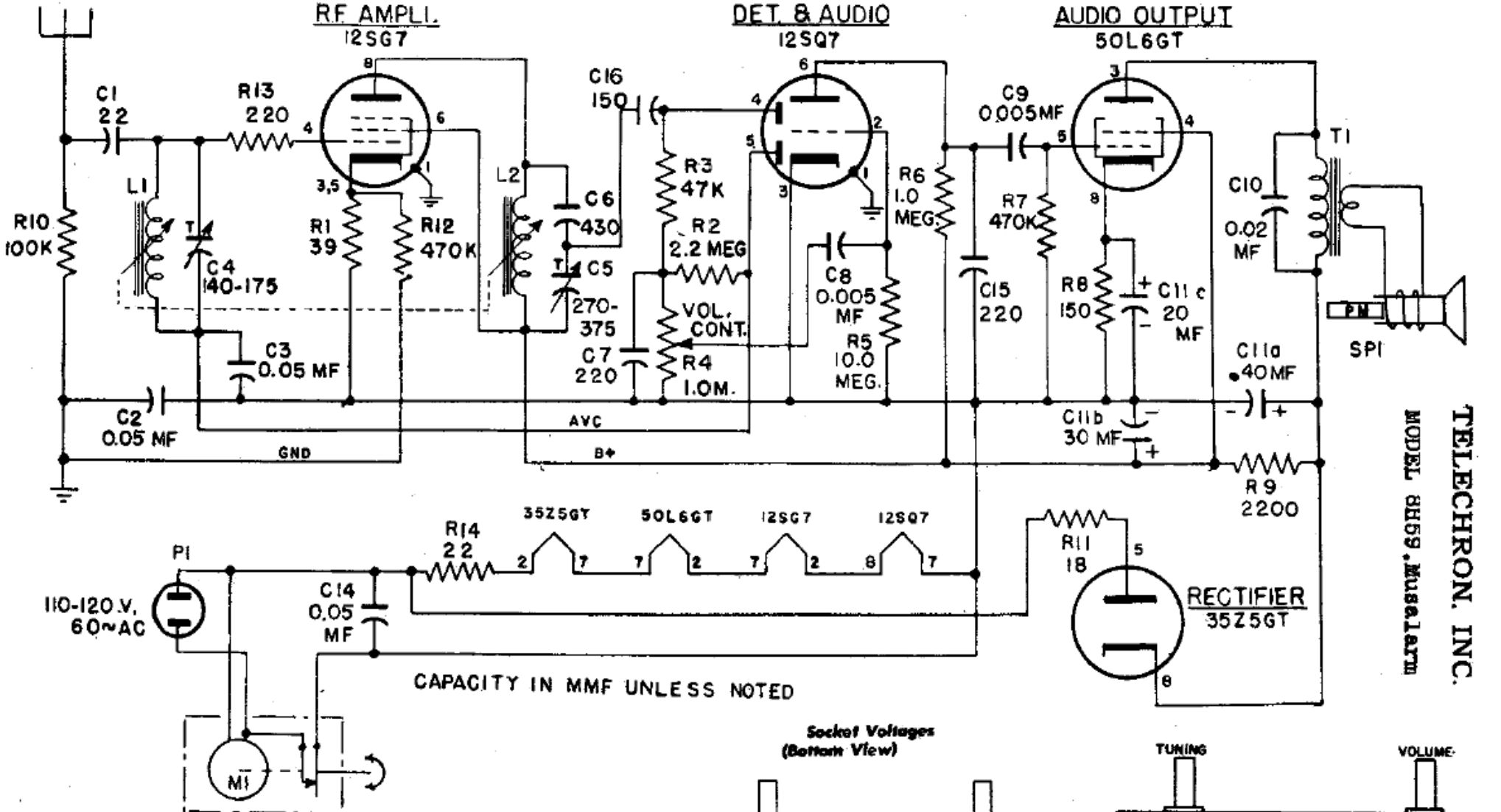
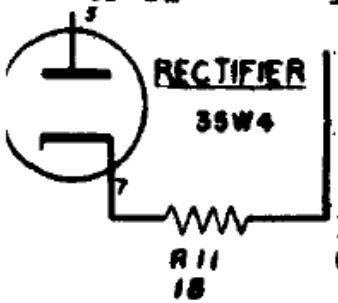


TELECHRON, INC.
MODEL 8H59 Musalarm

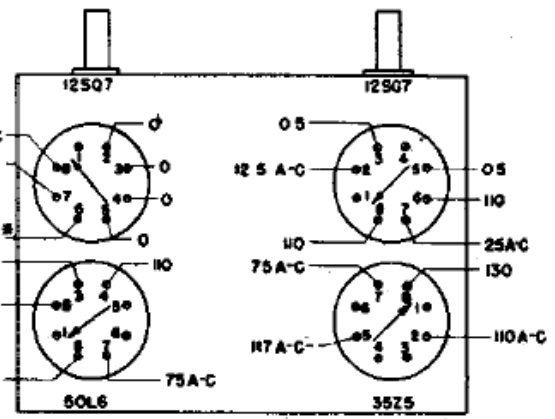
R11 GOES TO TAP ON PRI. OF T1



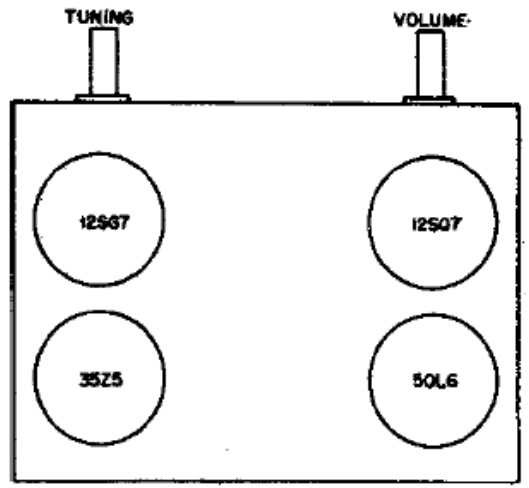
35Z5GT. THE FOLLOWING CHANGES IN WIRING ARE MADE: R11 IN THE CATHODE LEAD OF THE 35W4 (AS SHOWN ON LEFT) INSTEAD OF THE PLATE LEAD OF THE 35Z5GT. R14 IS BETWEEN PIN #4 OF THE 35W4 AND PIN #7 OF THE 50L6GT IN THE FILAMENT CIRCUIT INSTEAD OF BETWEEN PIN#2 OF THE 35Z5GT AND R11.

ON LATER MODELS A 35W4 RECT. TUBE REPLACES THE

Socket Voltages (Bottom View)



*Measured with 20,000 ohm/volt meter



Tube Location (Top View)

RADIO REPLACEMENT PARTS LIST—MODEL No. 8H59

(Order from G-E Co., Specialty Division, Wolfe St. Plant, Syracuse, N. Y.)

UNIVERSAL G-E RADIO REPLACEMENT PARTS

CAT. NO.	SYMBOL	DESCRIPTION
UCC-039	C8	CAPACITOR—0.005 mfd., 600 v., paper
UCC-045	C2, 3	CAPACITOR—0.05 mfd., 600 v., paper
UCG-543	C6	CAPACITOR—430 mmf., silver mica
UCU-512	C1	CAPACITOR—22 mmf., mica
UCU-532	C16	CAPACITOR—150 mmf., mica
UCU-536	C7, 15	CAPACITOR—220 mmf., mica
UIC-001		CEMENT—Speaker cement
UOP-405	SP1	LOUDSPEAKER—4-inch PM speaker
UOX-009		CONE—Speaker replacement cone
URD-015	R1	RESISTOR—39 ohms, ½ w., carbon
URD-029	R8	RESISTOR—150 ohms, ½ w., carbon
URD-033	R13	RESISTOR—220 ohms, ½ w., carbon
URD-089	R3	RESISTOR—47,000 ohms, ½ w., carbon
URD-097	R10	RESISTOR—100,000 ohms, ½ w., carbon
URD-113	R7, 12	RESISTOR—470,000 ohms, ½ w., carbon
URD-121	R6	RESISTOR—1.0 megohm, ½ w., carbon
URD-129	R2	RESISTOR—2.2 megohms, ½ w., carbon
URD-145	R5	RESISTOR—10.0 megohms, ½ w., carbon
URE-057	R9	RESISTOR—2,200 ohms, 1 w., carbon

NOTE: See page 1 for tube complement

SPECIALIZED G-E REPLACEMENT PARTS

CAT. NO.	SYMBOL	DESCRIPTION
RAB-016		COVER—Cabinet back cover
RAU-009		CABINET—Plastic cabinet
RCC-039	C9	CAPACITOR—0.005 mfd., 600 v., paper
RCC-041	C10	CAPACITOR—0.02 mfd., 600 v., paper
RCC-045	C14	CAPACITOR—0.05 mfd., 600 v. paper
RCE-031	C11A, B, C	CAPACITOR—40 mfd., 150 v.; 30 mfd., 150 v.; 20 mfd., 25 v.; electrolytic
RCY-007	C4	TRIMMER—140-175 mmf., antenna trimmer
RCY-008	C5	TRIMMER—270-375 mmf.; r-f trimmer
RDC-015		CORD—Tuning drive cord (bulk)
RDK-028		KNOB—Volume or tuning knob
REI-004		CORE—Powdered iron tuning core
RHJ-001		ASSEMBLY—Tuning shaft assembly and spacer
RIT-005		COVER—Electrolytic cardboard cover (inner and outer)
RJS-003		SOCKET—Tube socket
RLA-005	L1, 2	COIL—Antenna or R-F coil
RMB-003		BUSHING—Drive shaft bushing
RMS-034		SPRING—Drive cord tension spring
RMX-006		PULLEY—Drive pulley
RRW-003	R14	RESISTOR—22 ohms, 1 w., wirewound
RRW-008	R11	RESISTOR—18 ohms, 1 w., glassohm W.W.
RWL-009		CORD—Power cord

CLOCK REPLACEMENT PARTS LIST—MODEL No. 8H59

(Order from Telechron Inc., Ashland, Mass.)

CAT. NO.	SYMBOL	DESCRIPTION
C35X84		Bezel 2 5/16" Rd. Gold Color
C58X16		Crystal 2 5/16" Rd.
C61X701		Dial
C34X111	4	Front Plate Assem.
C32X130		Hands (Hr. and Min.) Maroon Lacquer
C31X27		Hand (Sweep Sec.) Gold Color
C55X4		Alarm Disc
C59X221		Numeral Color Ring (Maroon)
C4X6	3	Knob—Alarm Set—Ivory Color Plastic
C40X75	1	Knob—Switch—Ivory Color Plastic
C3X49	14	Knob—Time Set—Stat. Bronze Color
C11X8	15	Alarm Set Shaft Assem.
C10X115	7	Time Set Shaft Assem.
C40X73	19	Switch Shaft Assem.
C40X260	20	Switch Shaft Spacer
C40X261	6	Time Set Shaft Spacer
C40X262	5	Time Set Shaft Spacer (at Front Plate)
C40X263	17	Alarm Set Shaft Spacer
C14X15	10	Minute Hand Sleeve Assem.
C13X11	9	Hour Hand Sleeve Assem.
C15X3	8	Alarm Hand Sleeve Assem.
C40X77	16	Intermediate Gear and Shaft Assem.
C17X8	12	Cam Shaft Assem.
C16X14	13	Sweep Second Hand Shaft Assem.
C40X78	18	Switch Lever Assem.
C44X38	24	Rotor Unit (M1630)
C45X69	27	Field and Coil Assem.
C40X202	25	Spreader Post
C64X1	2 and 22	Front Plate Screws
C35X39	21	Base Plate Assem.
C40X252	11	Cam Friction Washer
C1X1	26	Motor Mtg. Screws (4-40X1 ⅛" Rd. Hd.)
C1X2	26	No. 1204 Lockwasher
C40X76	23	Switch Assem.

PARTS OF SWITCH ASSEMBLY

C40X79		Upper Contact Spring Assem.
C40X80		Lower Contact Spring Assem.
C1X6		Screw (4-40X5/16" Rd. Hd.)
C1X43		Hex Nut (4-40)

CLOCK INSTRUCTIONS

1. CONTACT ADJUSTMENT

A. Set switch to "Alarm" position so that cam follower rests on timing cam. Contacts shall be adjusted to .017" min. gap.
B. With switch in "Off" position, contacts shall remain open as in "A" and there shall be clearance between cam follower and cam.
C. With switch in "On" position, contacts shall be closed.
D. Set switch to "Alarm" position, turn alarm set knob until cam follower drops into slot of timing cam. The contacts shall be closed.
E. Check for proper contact pressure by depressing lower contact strip, using a small pointed tool. If upper contact strip follows the lower a noticeable amount before the contacts separate, the pressure is sufficient.
F. To insure that contacts close, connect a small lamp in series with the switch assembly when testing.

2. TIMING

A. Set minute and hour hands to 12 o'clock.
B. Set timer dial so that the 12 o'clock mark lines up with small line on the dial. In this position the indicator on the hour hand should also line up with the line on the dial.
C. Adjust timer for contact closure at 6:55 o'clock when dial is set for alarm to operate at 7:00 o'clock. On repeat tests the contacts shall close at 6:55, plus or minus 3 minutes. At all other settings, the contacts shall close within 12 minutes ahead or 2 minutes after the time for which the dial is set.

3. VIBRATOR ADJUSTMENT

A. Vibrator shall start buzzing 10 minutes plus or minus 5 minutes after contact closure occurs.
B. When vibrator is in "Shut-off" position the shut-off spring shall lift the vibrator sufficiently above the cam, so that the cam will not contact vibrator in any position.
C. Adjust vibrator for maximum sound.
D. Vibrator shall be shut off before completion of buzzing period.

4. NOISE PREVENTION

Vistac has been applied to such parts as are specified in notes under exploded view of movement. When the parts specified are replaced, a very small amount of Vistac should be applied.

5. GENERAL

A. Alarm set knob to be sufficiently tight on shaft to permit setting of "Alarm" disc in clockwise or counter-clockwise direction, but shall loosen when cam is turned against vibrator.
B. Switch knob shall turn freely.
C. Alarm disc shall not rub against the dial in any position. Prongs must be fully seated in alarm set groove.

6. CAUTION

A. This radio alarm clock will operate satisfactorily only on a circuit supplied with regulated alternating current of the voltage and frequency stamped on name plate.
B. If clock loses time, or hour and minute hands fail to rotate, check clearance of time setting shaft from case back or any obstruction behind the Musalarm. This shaft must be allowed to rotate while clock is in operation.
C. It is common practice for people to disconnect their radios during a thunder storm, or to use the outlet for a vacuum cleaner, or when moving furniture in housecleaning. The clock will, of course, stop when disconnected and start immediately when plugged in again. However, it will be necessary to reset the clock to the proper time if disconnected for any reason.