

# PARTS DESCRIPTION LIST • REMOTE CONTROL

## CAPACITORS

10% tolerance for all fixed capacitors, unless otherwise noted or marked GMV (guaranteed minimum value). All capacitors not marked uf are pF (uuf).

Symbol	Description	Part No.
C7	Electrolytic, 1000uf, 15V	C50283-10
C8	Electrolytic, 250uf, 25V	C50283-11
C14	Electrolytic, 100uf, 25V	C643-145
C15, 16	Electrolytic, 1uf, 50V	C746-144
C17	Ceramic, .05uf, +80 —20%, 100V	C50073-2
C18	Electrolytic, 4uf, 50V	C629-175
C19	Electrolytic, 100uf, 25V	C643-145
C20	Electrolytic, 2uf, 70V	C721-142
C21	Molded, .01uf, 20%, 600V	C2747
C22, 23	Ceramic, .02uf, GMV, 1000V	C50071-6

C24	Mylar, .68uf, 10%, 400V	C50197-35
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## RESISTORS & POTENTIOMETERS

In ohms, 5% tolerance, 1/8 watt unless otherwise noted. K=Kilohms, M=Megohms.

Symbol	Description	Part No.
R12	Dep. Carbon, 47, 5%, 1/8 W	R12DC470J
R13	Dep. Carbon, 47K, 5%, 1/8 W	R12DC473J
R14	Dep. Carbon, 22K, 5%, 1/8 W	R12DC223J
R15	Potentiometer, Dual, 250K, R854-133	Part of Motor Pot. Assembly
R16	Dep. Carbon, 47K, 5%, 1/8 W	R12DC473J
R17	Dep. Carbon, 22K, 5%, 1/8 W	R12DC223J
R20	Dep. Carbon, 47, 5%, 1/8 W	R12DC470J

R21	Dep. Carbon, 100K, 5%, 1/8 W
R22	Dep. Carbon, 4.7K, 5%, 1/8 W
R23	Dep. Carbon, 33K, 5%, 1/8 W
R24	Dep. Carbon, 2.2K, 5%, 1/8 W
R25	Dep. Carbon, 3.3K, 5%, 1/8 W
R26	Dep. Carbon, 10K, 5%, 1/8 W
R27	Composition, 1K, 10%, 1/2 W
R28	Composition, 10, 10%, 1/2 W

R12DC104J
R12DC472J
R12DC333J
R12DC222J
R12DC332J
R12DC103J
RC20BF102K
RC20BF100K

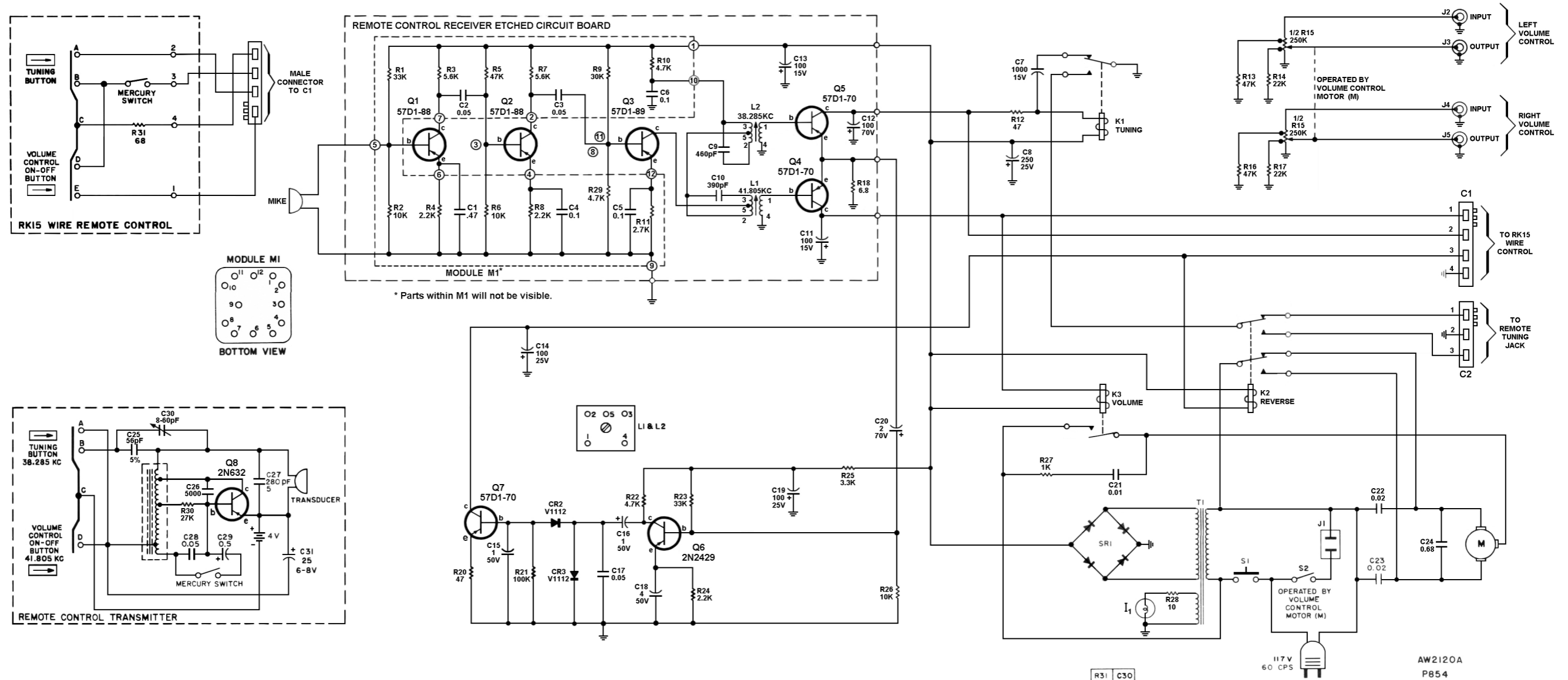
K2	Relay, Reverse	K50436
K3	Relay, Volume	K50437
M	Motor Potentiometer Assembly	AS854-125
S1	Switch, Pushbutton	S854-130
S2	Switch, Power	Part of Motor Pot. Assembly

SR1	Selenium Rectifier Bridge	SR755-140
T1	Transformer, Power	T854-116
—	Assembled Printed Circuit Board	AS854-132
—	Dress Panel	AS854-108
—	Knob	E50325-1
—	Remote Control Transmitter	P-853
—	4V Battery	BA853-111
—	RK-15 Wire Remote Control	P-1086

## MISCELLANEOUS

Symbol	Description	Part No.
CR1, 2	Diode, Silicon, Type 1112	V-1112
I1	Lamp, Volume Indicator	I50461-1
K1	Relay, Tuning	K50437

# SCHEMATIC DIAGRAM • REMOTE CONTROL



## ALIGNMENT INSTRUCTIONS • REMOTE CONTROL

### transmitter checkout

1 — Tilt the transmitter (hand-held unit) to the left and press the VOL pushbutton. Hold the metallic grille screen close to the ear and listen for a buzzing sound.

2 — While depressing the VOL button, tilt the transmitter to the right. The buzzing should stop.

3 — Repeat steps 1 and 2 while pressing the TUNE pushbutton.

4 — If the buzzing sound is not heard, replace the battery (Mallory TR-163 or equivalent). **DO NOT** attempt to align or adjust the transmitter if proper operation is not restored after replacement of the battery. Specially designed test equipment is needed for this alignment. Return the defective transmitter to SERVICE DEPARTMENT, FISHER RADIO CORPORATION, 21-21 44th Drive, L.I.C. 1, N. Y.

### receiver checkout

**EQUIPMENT NEEDED:** Oscilloscope (use a low capacitance probe or a 47K ohm resistor in series with the "hot" lead), a transistor radio alignment tool (with square head).

1 — Connect the oscilloscope lead to the base (b) of transistor Q5. Connect the other lead to chassis ground.

2 — From a distance of about three feet, aim the remote control away from the metal grille on the receiver chassis. Tilt the remote control to the right and press the TUNE pushbutton. Leave the transmitter in a position which produces minimum signal and minimum flutter of the signal as observed on the oscilloscope.

3 — Using the alignment tool, adjust L2 for maximum average indication on the oscilloscope.

4 — Repeat steps 2 and 3 with the VOL button depressed and the oscilloscope connected to the

base (b) of Q4, aligning L1 for maximum signal indication on the oscilloscope.

5 — If the maximum indications on the oscilloscope for steps 3 and 4 differ by a factor of 2 or more, return the **transmitter only** to the factory for alignment.

6 — To check the operation of the relays, press the TUNE button, and tilt the transmitter to the right. Observe that the relay in the middle of the three relays (located on top of the receiver chassis) operates. Tilt the transmitter to the left, keeping the TUNE button depressed. The center and rear relay (as viewed from the front) should both operate. Press the VOL button, tilting the transmitter to the right and observe that the front relay operates. Then tilt to the left while depressing the VOL button and observe that the rear and front relays operate.

7 — As a final operating check, connect the receiver into the system, stand about 20 feet from the receiver and press the TUNE button of the transmitter while tilting the unit alternately to the left and right. Observe correct tuning action of the tuner. Then press the VOL pushbutton while tilting the transmitter to the left and then the right. Observe rotation of the receiver Volume control and alternate raising and lowering of the sound output of the amplifier to which the receiver is connected.

\*If the tuner is not available for this tuning check, connect an ohmmeter across pins 1 and 2 (see schematic) of the jack marked TO REMOTE TUNING JACK. Zero resistance should be indicated when the TUNE button is depressed and the transmitter is tilted to the right. With the TUNE button depressed and the transmitter tilted to the left, a zero resistance should be indicated between pins 2 and 3. To check the operation of the VOL button, it is best to connect the receiver into the system (see the Operating Instructions) and observe proper operation with a musical or voice signal.

If replacement parts are out of stock, locally, they may be obtained directly from the Parts Department of FISHER Radio Corporation. They will be shipped "best way", either prepaid or C.O.D. unless otherwise specified.

For instrument-operation information and technical assistance write Richard Hamilton, Customer Service Department, FISHER Radio Corporation, Long Island City, New York 11101.