

Intermediate Frequency 480 kc/s

Resistors

R1	1MΩ	A3
R2	2.2MΩ	A3
R3	100kΩ	A3
R4	22MΩ	A3
R5	2.2MΩ	A3
R6	47kΩ	C5
R7	1MΩ	B3
R8	2.2MΩ	B3
R9	2.2MΩ	B3
R10	100kΩ	B3
R11	500kΩ	A4
R12	10MΩ	A3
R13	47kΩ	A3
R14	47kΩ	A3
R15	4.7MΩ	A3
R16	470kΩ	A3
R17	100Ω	A3
R18	180Ω	A1
R19	25Ω	A1
R20	1kΩ	A1
R21	1Ω	B1
R22	100Ω	A3

Capacitors

C1	150pF	A3
C2	80pF	A3
C3	65pF	A3
C4	100pF	A3
C5	0.01μF	D5
C6	10pF	A3

C7	80pF	A3
C8	80pF	A3
C9	400pF	D5
C10	0.04μF	A3
C11	0.04μF	A3
C12	100pF	B3
C13	100pF	B3
C14	100pF	C5
C15	47pF	C5
C16	40pF	B3
C17	390pF	C5
C18	40pF	B3
C19	0.001μF	B3
C20	32pF	B3
C21	100pF	B3
C22	100pF	B3
C23	100pF	B3
C24	100pF	B3
C25	0.01μF	D5
C26	0.01μF	A3
C27	0.04μF	A2
C28	0.01μF	B2
C29	0.01μF	B2
C30	0.01μF	B3
C31	0.5μF	A2
C32	500μF	A1
C33	0.01μF	B3
C34	1,000μF	A1
C35	0.5μF	B2
C36	0.1μF	A3
C37	0.5μF	B2
C38	200μF	B2
C39	25μF	B3

Coils*

L1	—	A2
L2	—	D5
L3	—	A3
L4	—	D5
L5	—	C5
L6	—	B3
L7	11.0	B3
L8	11.0	B3
L9	—	A4
L10	—	A4
L11	—	C5
L12	11.0	B3
L13	11.0	B3
L14	—	A2
L15	—	A3
L16	—	B2
L17	—	B2
L18	2.7	—

Other Components

T1	{a 163.0	A2
	{b 0.7	A2
T2	{a 0.2	B1
	{b 1.0	B1
F1	3A	B4
S1-S8	—	B4
S9	—	A4

*Approximate D.C. resistance in ohms.
†In supply lead.

CIRCUIT ALIGNMENT

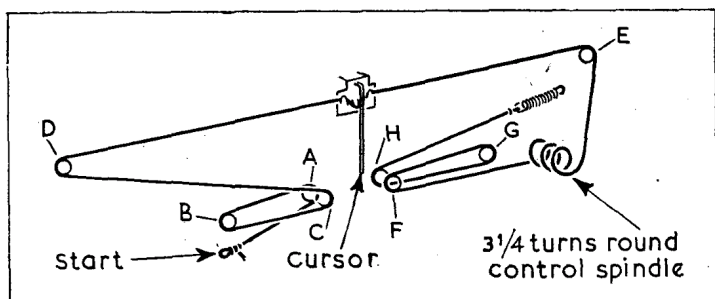
Equipment Required.—An accurately calibrated signal generator modulated 30 per cent at 400 c/s; an A.C. voltmeter for use as an output meter; a 0.1μF capacitor; a non-metallic trimming tool.

I.F. Alignment

- 1.—Connect output meter to the speaker connections, ensuring that it is not connected to chassis, or damage to the transistor will result.
- 2.—Switch the receiver to M.W. and tune it to the extreme low frequency end of the tuning scale. Connect signal generator output via a 0.1μF isolating capacitor between the control grid (pin 2) of V2b and chassis.
- 3.—Feed in a 480 kc/s signal and adjust the cones of L13, L12, L8 and L7 (location reference B3) in that order for maximum output.

R.F. Alignment

- 4.—Switch the receiver to M.W. and check that when tuned to the extreme high frequency end of the scale the cursor coincides with the left-hand edge of the tuning scale aperture.
- 5.—Connect the signal generator output via a 60pF capacitor to the aerial socket. Set the cursor to the extreme high frequency end of the scale. Feed in a 1,605 kc/s signal and adjust C16 (B3), C7 (A3) and C1 (A3) for maximum output.
- 6.—Switch the receiver to L.W. Feed in a 200 kc/s signal and adjust C18 (B3), C8 (A3) and C2 (A3) for maximum output. Readjust C1 after installation in the vehicle as described under "Installation Notes."



Above.—Diagram of the tuning drive cord assembly. The replacement of the cord is described in col. 6, and the small pulleys are lettered in our diagram in order to simplify the description.

