# ALBA Models ACR2, ACR5

**General Description:** A two-waveband A.M. car radio adjustable for positive or negative chassis supply by a switch accessible through the case back. Model ACR5 has no tone control.

**Battery:** 12 volts D.C.

**Fuse:** 2 amp. (in battery lead).

**Wavebands:** L.W. 150-272kHz; M.W. 545-1515kHz.

In addition to continuous tuning, facilities are provided for preset tuning one L.W. channel and four M.W. channels. To set a preset button, tune in required

station (push L or any M button as appropriate). Pull fully out L or M button as required, then push in again firmly. The channel is then preset.

**Loudspeaker:** 4 ohms impedance.

## Dismantling

To obtain access to component side of circuit board, remove the two x-head screws securing the top plate to the back of the casing. The top plate may then be slid out. Alignment can be carried out without further dismantling.

To obtain access to the copper side of the circuit board, remove the two x-head screws securing the bottom plate to the back of the casing. The cover plate may then be removed.

## Alignment

Removal of the case top plate will provide access to all alignment adjustments. Connect an A.C. output meter (4Ω impedance) across the loudspeaker terminals. Connect an A.M. signal generator, via dummy aerial, across the aerial socket. Turn receiver Volume control to maximum. During alignment, progressively reduce signal generator output level to maintain useful output indication on 50mW range of output meter.

Switch receiver to M.W. by depressing one of the M buttons and tune to a signal-free position at the low frequency end of the scale. Inject signal of 470kHz and adjust cores of T3, T2 and T1, in that order, for maximum output. Repeat for optimum sensitivity.

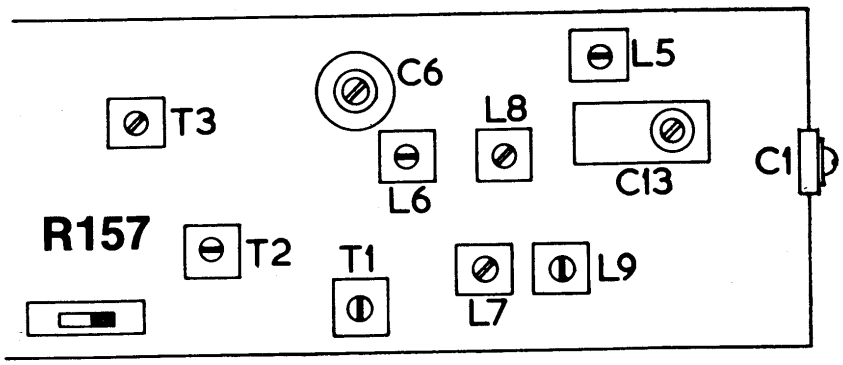
Tune receiver to 500m (mid-way between 450 and 550 markings), inject signal of 600kHz and adjust core of L9 for maximum output. Retune receiver to 200m, inject signal of 1500kHz and adjust trimmer C13 for maximum output. Repeat for optimum tracking.

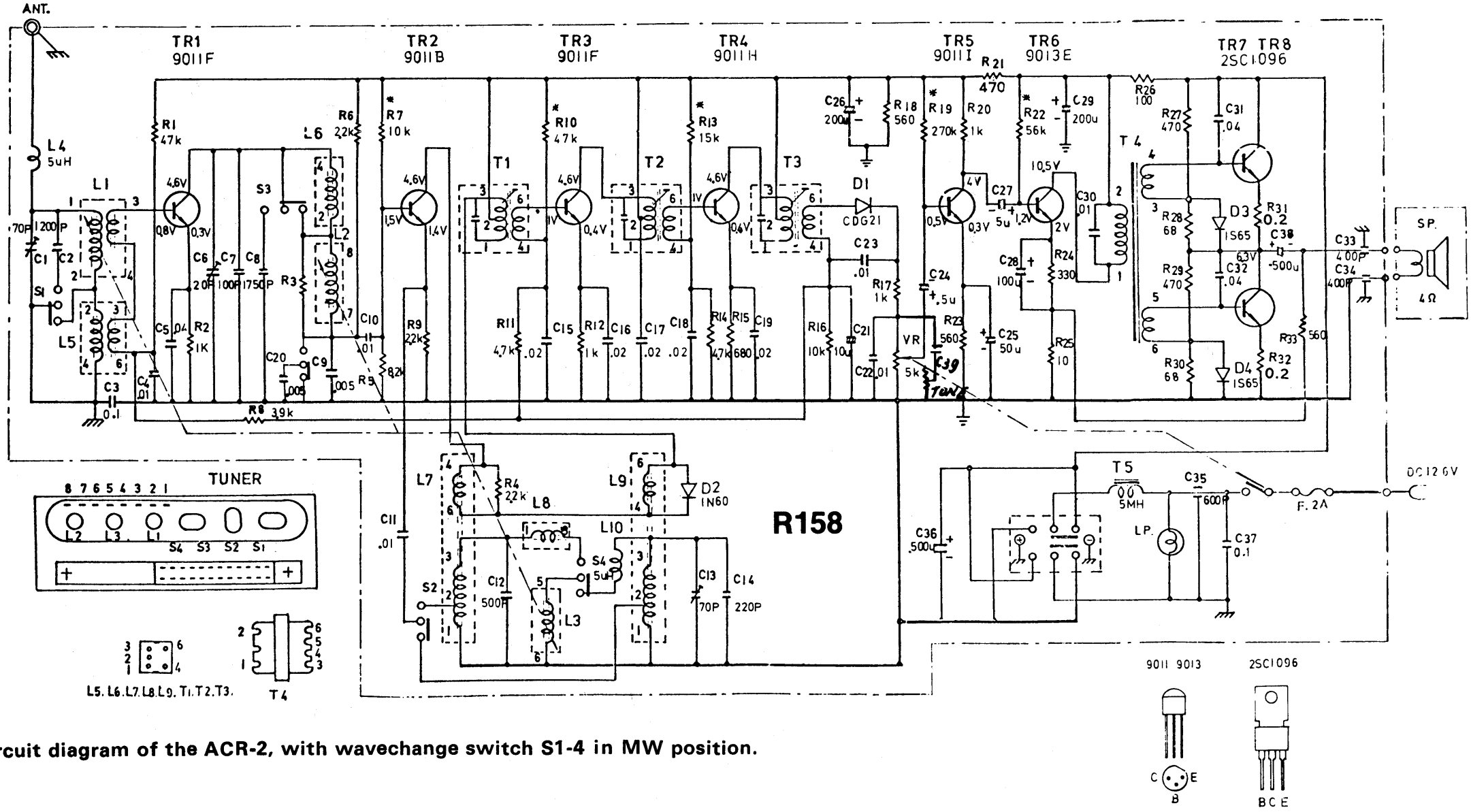
Tune receiver to 300m, inject signal of 1000kHz and adjust trimmer C6 for maximum output.

Switch to L.W. by depressing the L button. Tune receiver to 2000m, inject signal of 150kHz and adjust core of L7 for maximum output. Retune receiver to 1500m, inject signal of 200kHz and adjust core of L8 for maximum output. Repeat for optimum tracking. Inject signal of 175kHz, tune in signal on receiver, then adjust L6 and L5 for maximum output.

Remove signal generator, connect aerial. Switch to M.W. and tune to a weak station around 200m. Then adjust trimmer C1 (accessible through hole in side of case) for maximum output.

(R157) ALIGNMENT ADJUSTMENTS— MODELS ACR2, ACR5






**Circuit diagram of the ACR-2, with wavechange switch S1-4 in MW position.**

(R158) CIRCUIT DIAGRAM—MODELS ACR2, ACR5