

## ANTENNA TRIM CONTROL ALIGNMENT

1. String drive cord as shown in Fig. 1 with ferrite core free to slide on cord.
2. Turn knob fully clockwise, (cam drum fully anti-clockwise looking from rear of set) set core to protrude approximately 6 mm (¼ inch) from lower end of coil former.
3. Apply a small quantity of suitable quick drying adhesive (e.g. Bostik 1769) to the cord next to the core.
4. Slide core over adhesive and back to original position. Allow adhesive to become "tacky".
5. Slide core over adhesive again and turn control knob anti-clockwise to the switching position of the lower micro-switch (S.2, Fig. 1) and set lower end of core flush with the lower end of coil former.
6. Check upper and lower limits of antenna tuning range (approximately 550 KHz and 31 MHz) using built in meter and if necessary adjust core to correct. Allow adhesive to dry before operating set.

**NOTE:** Adjustable stops are only provided on models using Brass Antenna trim mechanisms. These are set correctly at the factory. Should re-setting become necessary the stop collar (located on circuit side of P.C. board behind front panel) should be adjusted to give even clearance between nose of cam and adjacent disengaged micro-switch at extremities of rotation.  
(This operation necessitates removal of front panel).

## CLARIFY CONTROL ALIGNMENT

String drive cord and glue core to cord as shown in Fig. 2.

## MINOR CALIBRATION DISCREPANCIES

On Models up to Serial No. 0600

These may be corrected without instruments or dismantling of the receiver as follows:

- 1) Open back cover.
- 2) **MHz Scale** - If a calibration error becomes noticeable on the MHz scale when tuning a station of known transmission frequency, set the MHz scale to the exact calibration mark for the whole number MHz portion of the frequency (e.g. frequency 16,33 MHz set scale to 16) and adjust trimmer C32 to give maximum signal strength reading on built-in meter.
- 3) **KHz SCALE** - Slight errors at either end of this scale may be deliberate to compensate for tracking in the middle of the scale. If however adjustment is necessary, set mode switch to USB; set KHz scale to 0 and adjust trimmer C44 to give zero beat in audio.

Set KHz scale to 1000 and adjust T1 to give zero beat in audio. Repeat these steps until satisfactory result is obtained.

## ZERO SET CONTROL

A zero set control is incorporated in all models from Serial No. 0600. This provides a means of zero setting the KHz dial to compensate for calibration errors due to temperature and/or humidity variations should this become necessary.

During alignment set this control in its central position.

Refer to complete alignment procedure if major calibration errors are encountered.