

TS-530 and TS-830 Band Switch Coupler Replacement Instructions

If you the radio is a TS-530 or TS-830 then the following instructions apply.

Warning:

Do NOT loosen and/or remove the band switch knob!!!!

Do NOT pull the long band switch shaft out of the radio!!!!

Information:

The final amplifier band switch has 2" flat spots on the switch assembly shaft. You can only see the 2 flat spots by removing the final amplifier cover, front 6146, and the band switch shaft coupler. Do NOT remove any other couplers!!!

Do NOT read any more into these statements and/or instructions then stated here.

Instructions:

Remove the antenna, external speaker (if used), CW key, ALC connection to an external amplifier (if used), from the rear connectors and remove the AC power cord from the wall outlet.

Remove the top and bottom cabinet halves.

Place the radio upright so the front panel is facing YOU.

Remove the final amplifier enclosure top cover.

Remove the front 6146 and the band switch shaft coupler from the band switch shaft. You will need to loosen the coupler set screws and gently slide the long band switch shaft out "just enough" so the coupler can be removed.

Look closely at the final amplifier band switch shaft, you will see "2" flat spots on the shaft. The flat spots are NOT on the long band switch shaft.

Rotate the final amplifier band switch shaft so one flat spot is exactly horizontal facing the bottom toward the

chassis and the other flat spot is exactly vertical facing to the right. The flat spots will form an backwards "L" if the switch is set properly. Pay close attention so you do this exactly right. The flat spots must be exact horizontal and vertical so pay attention to ensure they are that way,

If the coupler is damaged, split/cracked at one or both ends of the coupler set screws, order a replacement coupler from Ken, K4EAA at

www.k4eaa.com

Slide the long band switch shaft out "just enough" so it clears the final amplifier enclosure. Again, do NOT remove the long band switch shaft from the radio or from any of the band switches on the RF Unit board,

Install the new coupler on the final amplifier band switch shaft and tighten the set screws on the final amplifier end of the coupler ONLY at this time.

Slide the long band switch shaft into the other end of the coupler. Do NOT tighten the set screw(s) yet.

Rotate the band switch knob so it points exactly at 30 meters (10). This does NOT mean 10 meters!!

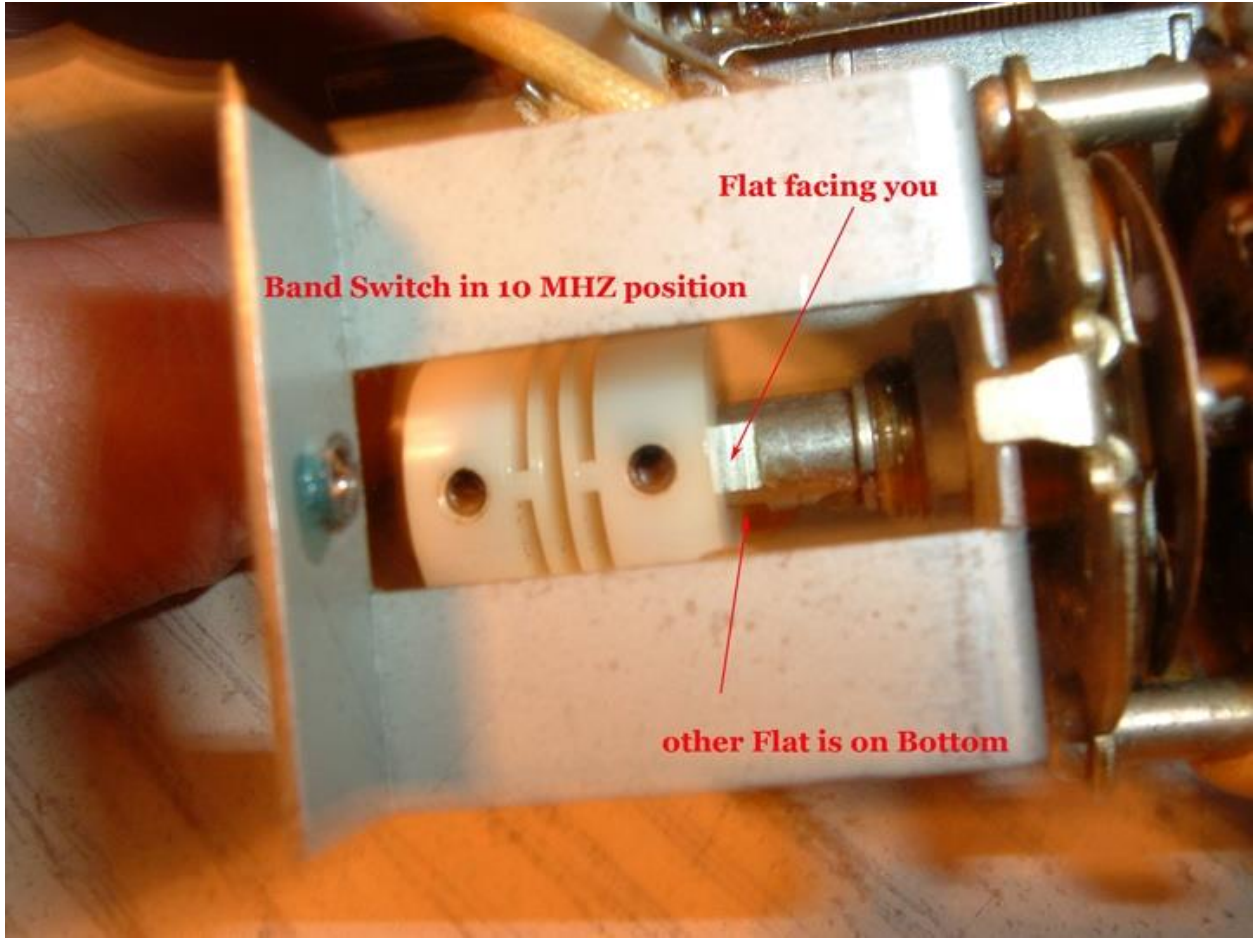
Tighten the coupler set screws.

Check to ensure the coupler set screws are tight.

Rotate the band switch while watch the final amplifier switch assembly. The final amp switch assembly shaft should rotate. If all is good then replace the front 6146, the final amplifier cover, and both top and bottom cabinet covers, you're done.

Again this applies to the TS-530 and TS-830 ONLY.

The following picture shows the 2 "flat spots" on the final amplifier band switch shaft inside the final amplifier. To view the flat spots, the final amplifier enclosure top cover and the front 6146 MUST be removed.



Band Switch in 10 MHZ position

Flat facing you

other Flat is on Bottom