

KENWOOD

Modification Instructions

Subject: RSK-7 Installation Kit for TS-700A/S

Date: July 9, 1993

General

This kit will add a 600 KHz repeater offset in the 145 MHz band position of the TS-700A and TS-700S 2 Meter all mode transceivers. This offset will be 600 kHz lower than the displayed (VFO) frequency. This is the same type of offset used in the 146 MHz band. It will require approximately 2 hours or less for installation. Please read all instructions thoroughly before beginning the actual work.

Parts List:

Qty	Description	Kenwood Part No.	Circuit Description
1	Crystal board with crystal	L77-0806-05	
1	3 mm flathead screw	N32-3006-45	
6	1S1587 diodes	V11-0370-05	
7	680 ohm resistors	RD14CB2E681J	
1	18 K ohm resistor	RD14CB2E183J	
1	2.2 K ohm resistor	RD14CB2E222J	
1	5.6K ohm resistor	RD14CB2E562J	

Installation Procedure:

- Remove the top and bottom covers from the transceiver and unplug the speaker.
- TS-700A:** Remove the DRIVE shaft by loosening the set screws on the shaft coupling and slide the shaft (with knob attached) through the front panel.
- TS-700S:** Remove the two (2) screws holding the FM IF unit hinged bracket and 2 screws holding the frame to the chassis, and lift this unit up.
- Unplug the push-on connectors from the HET unit.
- Remove the four (4) screws (one on each corner) holding down the HET Unit and lift this board up.
- Remove resistors R1 through R6. **Note:** There may be a 2.2 K ohm resistor on the foils side of the board with each of these resistors. If so, remove them also.
- Remove diodes D1 through D12. **Note:** Diode D2 may be missing.
- Install six (6) of the 680 ohm resistors in the positions for R1 through R6.
- Install one (1) of the 1S1587 diodes so the cathode is at the cathode position of D1 and the anode is at the anode position of D2. The new diode is being installed to replace both D1 and D2. **Note:** The 1S1587 diode must be installed vertically with the cathode end at the PC board. Repeat this step for the remaining five (5) diodes.
- Remove R39 (near L7) and install the 5.6 K ohm resistor.
- 10. Remove R35 (other side of L7) and install the last 680 ohm resistor.

Time required for this modification is 30 minutes or less.

Service code A:46 B:X45-3460 B/2 C:L102 D:91

©7893 by CLM for Kenwood Service Corporation (E51-93-031)

Page 1 of 1