

# KENWOOD

ASB-1046

## Service Bulletin

Amateur Radio Division

**Subject:** TS-850S Mixer FET Change

**Date:** March 28, 1994

### Symptom:

Several units were discovered during production by our QC department that experienced difficulty when the transceiver was being adjusted for an S-1 reading on the S-Meter.

### Countermeasures:

Variations in the gain of the devices used for Q16 and Q17, the second mixers, on the RF Unit (X44-3120-00) appear to cause of this symptom. We, therefore, recommend replacing these two transistors with 2SK520 (K43) devices. These devices have lower IDSS (Drain breakdown current), and therefore provide a greater conversion gain. As a result the total gain of the circuit is increased.

### Parts Required:

Qty	Description	Old Part No.	New Part No.	Circuit Description
2	Second Mixer FET	2SK520 (K44)	2SK520 (K43)	Q16, Q17

Time required for this modification is 60 minutes or less.

Service code A:43 B:X44-3120-00 C:Q16 D:91

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