



SERVICE BULLETIN

from: TRIO-KENWOOD COMMUNICATIONS, INC.

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SUBJECT: TS-180S Trouble Sheet

DATE 12/18/79

ALC deflection low- Replace D21 on IF unit from 7.1 to 9.0V Zener. Readjust all ALC pots.

IF #2 Output low - Bridge R77 position, replace R78 with R77 470 ohms. See TKC Service Bulletin.

RX Noise (OSC CAR leakage) - Shorten L31, L33 leads as much as possible.

Increase NB effectiveness- Replace L31, L33 from 33 uh to 27uf, with SHORT leads.

RX noise from strong signals - Replace L30 10uh on the IF with self shielding type (new part # L40-1035-21).

TX audio distortion- Adjust T15 on the IF approx $\frac{1}{2}$ turn back, readjust all ALC pots up.

10M PLL unlock- change: R77 from 6.8K TO 4.7K OHM, R94 FROM 8.2K TO 6.8K OHM ON THE PLL UNIT.

TX audio distortion- Adjust 10W bias for 150ma, 100W bias for 100ma.

Unlocked all bands - Check L2, (Q2 B+) in the PLL.

FM'ing with DFC- See Service Bulletin of 9/10 for L12, 13 change, & add resistor and shield.

40 M low ALC, See Bulletin 9/14 change C14,17.

JEB/yn