



Technical Note TN-560

Scrambler Modification for Use in T2020.

4 March, 1999

Applicability

Only applies to a T2020 logic board (220-01344-04) fitted with a T2000-A4502 scrambler module.

Explanation

During a recent round of factory tests, it was discovered that if a T2020 radio (with a 220-01344-04 logic board) was fitted with a T2000-A4502 scrambler module and scrambling was not active at radio power up, the radio would mute and no audio could be heard. This was due to the 'SIG-SQ' line being held low thus causing Rx audio to be muted.

When the scrambler was enabled, the line is restored to the correct level and the problem is gone until the radio is switched on with the scrambler disabled again.

Solution

Remove IC3 from the T2000-A4502 scrambler board. This will eliminate the problem. This modification does not alter the operation of the scrambler module.

The production line no longer places IC3 on the T2000-A4502.

Issuing authority

Name and position of issuing officer

Barry Crates
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