
LAND MOBILE PRODUCT SECTOR PSB # 739 1301 E. ALGONQUIN RD APC # 388
SCHAUMBURG, IL 60196 Date: AUGUST, 1994 (708) 576-0180 EXPIRES: AUGUST 31,
1995

Subject: VCO "WHISKER" CORROSION PROBLEM.

MODELS AFFECTED: ALL PURC 5000, MSF 5000 & MSF 10000 STATIONS. (UHF,
800 & 900 MHZ)

PROBLEM DESCRIPTION: The VCOs used in MSF stations are a die cast tuned cavity
with a special metallic plating. Over time and under certain conditions, some corrosion can
occur in the plating which looks like small whiskers or hair on the internal portion of the
VCO.

SYMPTOMS: These whiskers can make the VCO detune rapidly, become microphonic,
operate intermittently or cause distortion on transmit and receive audio.

While removing the whiskers may help in the short term, the recommended procedure is to
replace the VCO. In late 1989 a plating change was made to address the corrosion problem.

SOLUTION: VCOs needing replacement, and not covered under warranty, will be offered at
a reduced cost of \$125.00/ea. and can be ordered through the National Parts Department by
referencing this PSB.

The following kit numbers are offered at this reduced cost of \$125.00/each:

VCO #

TRE1321B TRE1322B TTE1471B TTE1472B

NOTE: This bulletin is for information purposes only. No labor charges to warranty are
implied or intended.