

Field Advisory

To: 800 MHZ Summit Radio Customers & Servicers

Subject: TX Power Setting

Models Affected: 242-975X-XXX Hi Power only

Background:

A small percentage of units have exhibited a fluctuation in Transmit output power and/or a motor boat noise while transmitting. This occurs only with the 35 watt model 800MHZ radios. The problem has been isolated to a manufacturing change made in early 2001 to the power amplifiers. Mobile antennas that exceed rated VSWR exacerbate this problem. Although this problem does not impact all products, EFJohnson feels that the inconvenience and problems it causes the end-user deserve a corrective action plan. We have recently released a factory repair that addresses this problem.

Solution:

Transmit power should be set per the EFJ service manual page 8-2 section 8.3.2. Upon completion of the mobile installation in the vehicle and installation of the mobile antenna per antenna manufacture's instructions, the installer should check VSWR to assure a VSWR of less than 1.5 to 1 (Ref. Page 2-3) in EFJ service manual. Mobile antennas that do not meet this requirement should be repaired or replaced. **DO NOT** re-adjust output power in the field for rated power in the event of a faulty antenna. Transmit output power should only be set per EFJ service manual referenced earlier. Radios that still exhibit symptoms described in background section of this advisory after output power has been properly set and antenna VSWR of less than 1.5 to 1 has been verified should then be returned to the factory for repair. Please contact EF Johnson by March 30, 2002 to arrange for the return of your Summit radio to EFJohnson. EFJohnson will reimburse shipping charges and/or provide a method of sending the units into EFJohnson at no charge.

1-800-328-3911, extension 6936.

We will provide you shipping details including the RMA Number

**For additional technical questions regarding this field advisory,
Call 1-800-328-3911, ext. 6959.**