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**PFR-194 Title: Tin Lug replaced on F1 Transponder**

<b>Assembly :</b> Transponder	<b>SubAssembly : Diplexor / Receiver</b>	
<b>Component :</b>	<b>Units Affected:</b>	<b>Units fixed:</b>
<b>Originator:</b> Ellen Taylor	X - - - - -	X - - - - -
<b>Organization:</b> Swales/UCB	<b>Date:</b> 5/3/06	
<b>Phone:</b> (510) 643-4054	<b>Email :</b> ertaylor@ssl.berkeley.edu	

**Failure Occurred During (Check one √)**

☐ Functional test   ☐ Qualification test   ☐ S/C Integration   ☐ Launch operations   ☒ Other (Flight Assy)

**Environment when failure occurred:**

√ Ambient                      ☐ Vibration                      ☐ Shock                      ☐ Acoustic  
☐ Thermal                      ☐ Vacuum                      ☐ Thermal-Vacuum                      ☐ EMI/EMC

<b>Problem Description</b>
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A materials audit at L3Comm found that one of the lugs on the all of the THEMIS transponders was tin coated.

<b>Analyses Performed to Determine Cause</b>
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L3 proposed replacing the lug with appropriate material.

<b>Corrective Action/ Resolution</b>
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All transponders except F1 were in house at L3Comm. The F1 transponder was de-integrated from the F1 Probe at UCB, hand-carried to L3 Comm where the tin lug was replaced and returned to UCB on 6/12/06.

Acceptance:

MAM: Ron Jackson \_\_\_\_\_; MSE: Ellen Taylor \_\_\_\_\_

PM: Peter Harvey \_\_\_\_\_; Cognizant Engineer \_\_\_\_\_

Date of Closure \_\_\_\_\_