

S E R V I C E N O T E

SUPERSEDES: NONE

HP85420E RF Filter Section
HP85460A RF Filter Section
HP8542E EMI Receiver System
HP8546A EMI Receiver System

Serial Numbers: A00000 / 9999Z99999

Power Supply Insulator

Duplicate Service Notes: 85420E-03

To Be Performed By: Agilent-Qualified Personnel

Situation:

Occasionally, the RF Overload indicator will indicate an RF Overload condition when the rear panel of the HP85420E, or HP85460A is tapped upon. The false RF Overload indication is due to voltage transients on the bias supply lines. These transients are caused by the 9100-5087 transformer's case rivet heads shorting to the 85460-00009 heatsink adapter.

Solution / Action:

To remedy the problem, the 85460-00017 power supply insulator was enlarged to cover the area under the transformer and prevent electrical contact between the rivets and aluminum heatsink adapter. If the heatsink is does not cover the area under the transformer, a new, larger heatsink should be installed. The part number has not changed.

DATE: December 1999

ADMINISTRATIVE INFORMATION

| | | | |
|---------------------------------|---|--|---|
| SERVICE NOTE CLASSIFICATION: | | | |
| MODIFICATION RECOMMENDED | | | |
| ACTION CATEGORY: | <input type="checkbox"/> IMMEDIATELY <input type="checkbox"/> ON SPECIFIED FAILURE <input checked="" type="checkbox"/> AGREEABLE TIME | STANDARDS: LABOR 1.0 Hours | |
| LOCATION CATEGORY: | <input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> SERVICE CENTER | SERVICE INVENTORY: <input type="checkbox"/> RETURN <input checked="" type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT | USED PARTS: <input type="checkbox"/> RETURN <input checked="" type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT |
| AVAILABILITY: | PRODUCT'S SUPPORT LIFE | | |
| AUTHOR: EOS | | AGILENT RESPONSIBLE UNTIL: January 2002 | |
| ENTITY: 5340 | | ADDITIONAL INFORMATION: | |