

## S E R V I C E N O T E

SUPERSEDES: NONE

**E1708A Remote Dynamic Receiver****Serial Numbers:** 3606A00101 / 3606A00300**Housing and Copper Tape May Cause Ground Loop Problems****To Be Performed By:** Agilent Qualified Personnel/Factory Only (SCD)**Parts Required:** See text.**Situation:**

Units with serial numbers 3606A00101 to 3606A00300 were built with a housing that may or may not make a good ground contact with the BNC and TPV connectors. The resistance between these connectors should be zero ohms. However, we are finding that in some units, this resistance can vary between 0.1 and 390 ohms. This may cause a variable ground loop in our customers' machines. Furthermore, copper tape foil was used with this housing inside the Receiver. We know that ground loops and copper materials can be quality issues for our customers. Figure 1 shows how to identify an E1708A with the affected housing.

*Continued*

DATE: March 1999

## ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
<b>MODIFICATION RECOMMENDED</b>			
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 type="checkbox"/> SCRAP <input checked="" type="checkbox"/> SEE TEXT	USED PARTS: <input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input checked="" type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE		AGILENT RESPONSIBLE UNTIL: March 2001
AUTHOR: MD	ENTITY: 0200	ADDITIONAL INFORMATION: Return unit to division for refurbishment	

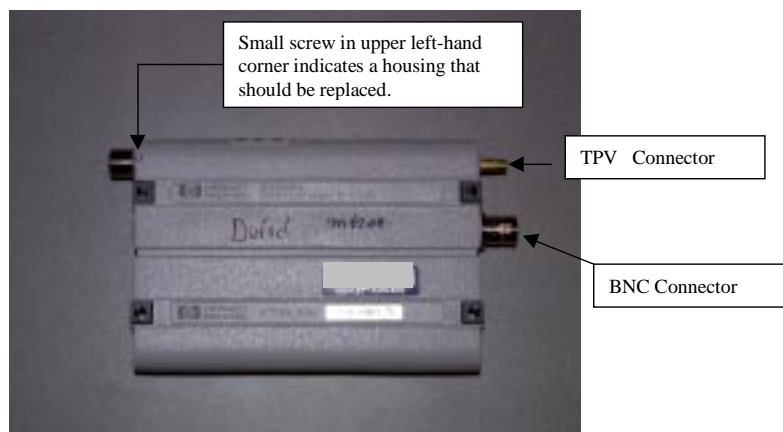


Figure 1. E1708A-C01 with housing that should be replaced.

**Solution / Action:**

As a result, Agilent is offering to replace these units with ones that have a new housing and no copper tape. The new housing is a tighter fit and is not subject to this ground problem. The replacement unit will be identified as E1708A-C10, which will be a refurbished E1708A with a new serial number.

Forward the affected E1708A to Santa Clara Division for refurbishment.