

MODIFICATION RECOMMENDED –  
CORRECTS MANUFACTURING OR DESIGN DEFECTS

**8903B-08**

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

Supersedes:  
None

## 8903B Audio Analyzer

**Serial Numbers:** 3413A0000/3413A9999

### **Motherboard Bumper Feet Deteriorate/Breakdown Over Time**

**To Be Performed By:** Agilent-Qualified Personnel or Customer

**Parts Required:**

| P/N       | Description                    | Qty. |
|-----------|--------------------------------|------|
| 0403-0285 | BUMPER FOOT-ADH MTG 12.7-MM-WD | 8    |

## ADMINISTRATIVE INFORMATION

|                                  |                                                         |                                                  |                                           |
|----------------------------------|---------------------------------------------------------|--------------------------------------------------|-------------------------------------------|
| SERVICE NOTE CLASSIFICATION:     |                                                         |                                                  |                                           |
| <b>MODIFICATION RECOMMENDED</b>  |                                                         |                                                  |                                           |
| ACTION CATEGORY:                 | IMMEDIATELY<br>X ON SPECIFIED FAILURE<br>AGREEABLE TIME | STANDARDS:<br>LABOR: 1.0 Hour                    |                                           |
| LOCATION CATEGORY:               | X CUSTOMER INSTALLABLE<br>X ON-SITE<br>X SERVICE CENTER | SERVICE INVENTORY: RETURN<br>X SCRAP<br>SEE TEXT | USED PARTS: RETURN<br>X SCRAP<br>SEE TEXT |
| AVAILABILITY:                    | PRODUCT'S SUPPORT LIFE                                  | AGILENT RESPONSIBLE UNTIL: November 2005         |                                           |
| AUTHOR: DS      PRODUCT LINE: 13 |                                                         |                                                  |                                           |
| ADDITIONAL INFORMATION:          |                                                         |                                                  |                                           |

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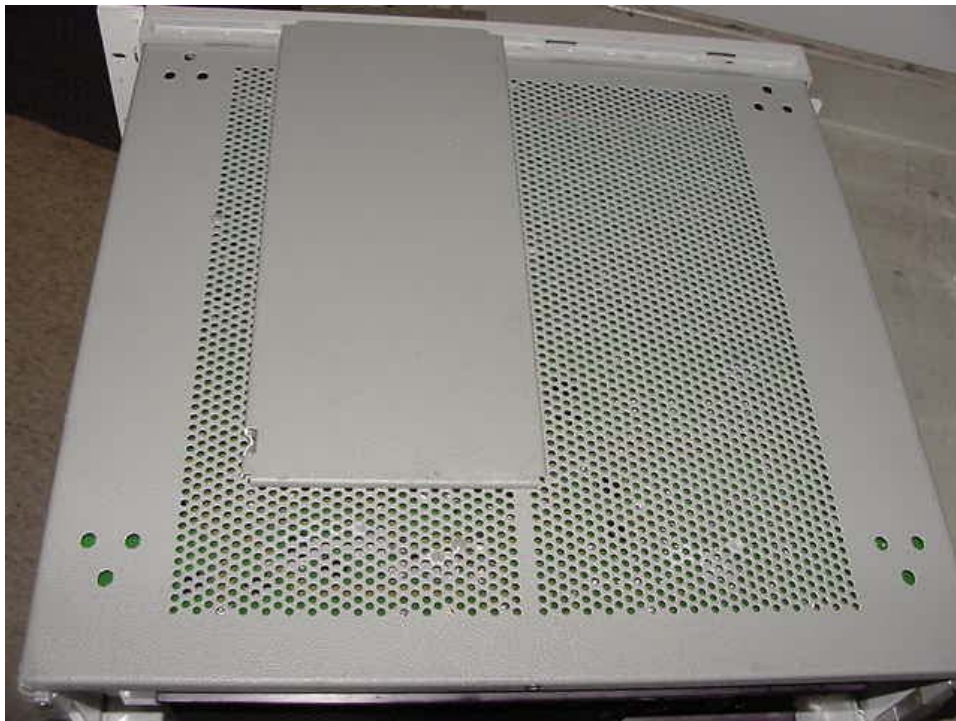
**Situation:**

The motherboard bumper feet prevent contact between the bottom external cover and circuit traces on the motherboard. For instruments with serial prefixes noted above, these bumper feet may deteriorate or breakdown over a period of time.

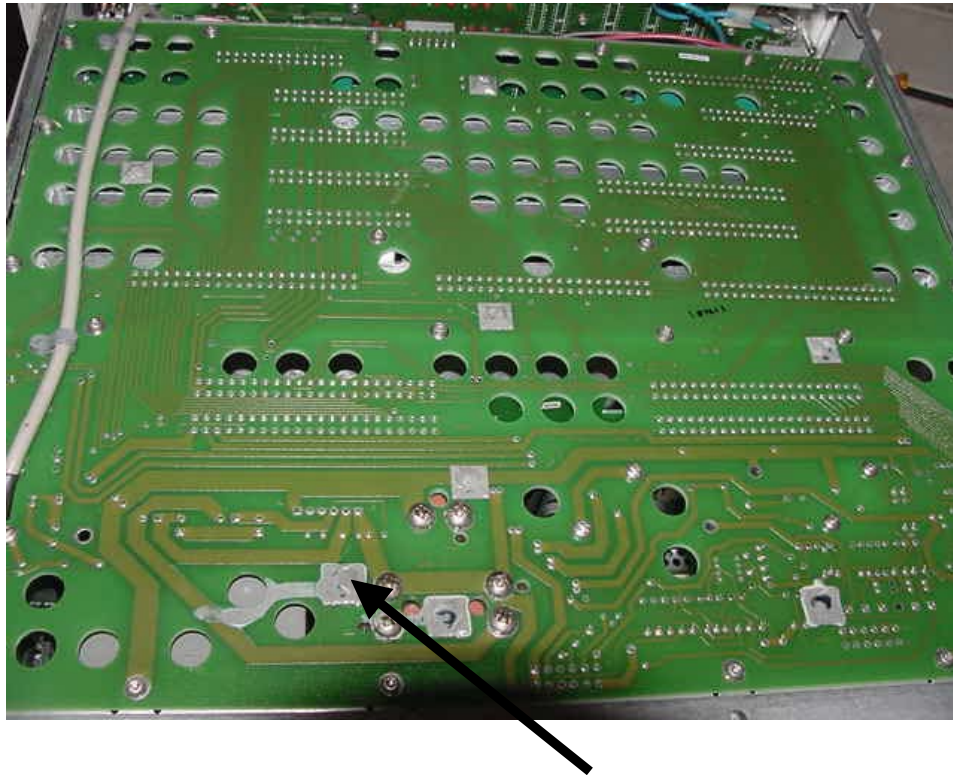
**Solution/Action:**

Inspect the motherboard bumper feet through the ventilation holes in the external bottom cover (Figure 1). Defective bumper feet can be identified by a melted appearance (Figure 2) or a 'goosey' residue (Figure 3) on surfaces or instruments underneath the Agilent 8903B.

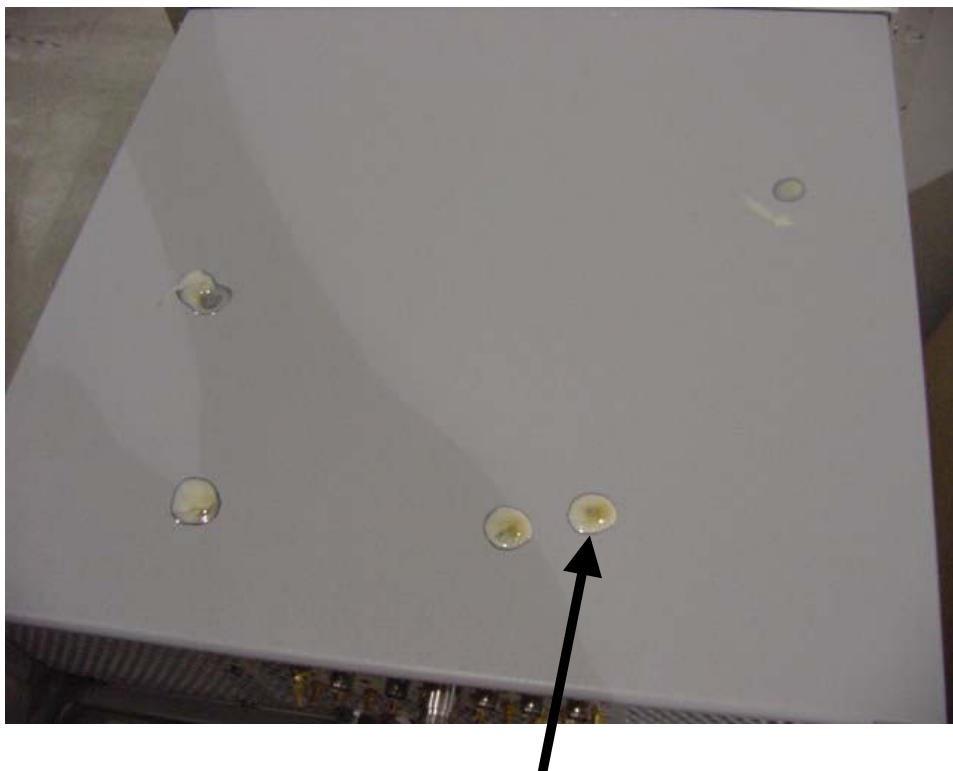
Disconnect AC power from the instrument, remove the external bottom cover, identify and remove defective bumper feet, clean the surface and replace them with part number 0403-0285. Re-calibration is not required.



**Figure 1 – External Bottom Cover**



**Figure 2 – Defective Bumper Feet**



**Figure 3 – 'Goeey' Residue**