

S E R V I C E N O T E

SUPERSEDES: None

8590L Spectrum Analyzer

Serial Numbers:

8590L-06 Option 001 and/or 011 ONLY: 0000A00000 / 3619A01473

8591C-09 Standard and/or Option 011: 0000A00000 / 3619A01473

8591E-11 Option 001 and/or 011 ONLY: 0000A00000 / 3619A01473

Serial Exceptions for the 8591C only include:

3543A01363, 1368, 1369, 1370, 1371, 1372, 1373, 1374, 1375, 1376, 1377, 1378, 1379, 1380, 1381, and 1382.

Improved reliability with the new 75-ohm Minimum Loss Pad.

Duplicate Service Notes: See Above

To Be Performed By: Agilent-Qualified Personnel

Parts Required:

| Part No. | Qty. | Description |
|-----------|------|-------------------------|
| 0955-1005 | 1 | 75-ohm Minimum Loss Pad |

Continued

DATE: October 1996

ADMINISTRATIVE INFORMATION

| | | | | | |
|---------------------------------|---|--------------------|---|-------------|---|
| SERVICE NOTE CLASSIFICATION: | | | | | |
| MODIFICATION RECOMMENDED | | | | | |
| ACTION CATEGORY: | <input checked="" type="checkbox"/> IMMEDIATELY <input type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME | STANDARDS: | Labor 0.5 for 8591C 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: End of GMS | | |
| AUTHOR: BD | ENTITY: 5320 | | ADDITIONAL INFORMATION: 1.0 hours for Option 011. | | |

Situation:

Instruments which have 08590-60179 only, RF Input and/or TG RF output Minimum Loss Pad, may experience reliability issues with fluctuating amplitudes. This is caused by a very sensitive design. If the wrong style external connectors or an over-stressing situation occurs with the 08590-60179 pad, damage can result to the center pin.

Solution/Action:

The new design has a teflon support around the center pin, which should make the matching pad more robust. This only affects 75-ohm RF inputs and/or option 011 75-ohm Tracking Generator outputs with the 08590-60179 matching pad. Therefore, this service note only applies to 8591C standards and/or Option 011, 8591E's, and/or 8590L's with option 001 and/or 011 only. The reliability can be greatly improved by changing the 08590-60179 with the new replacement. The new ability can be greatly improved by changing the 08590-60179 with the new replacement. The new part number is 0955-1005. It is a direct replacement and is currently set up on HPPAL or whatever system the service center utilizes. SMO old stock has already been scrapped.