

S E R V I C E N O T E

SUPERSEDES: 3784A-01

3784A Digital Transmission Analyzer

Serial Numbers: 0000U00000 / 2918U00588

Modification to eliminate spurious errors being generated at high clock frequencies (50 MHz).**To Be Performed By:** Customer or Agilent-Qualified Personnel**Parts Required:**

| P/N | Description | Designator |
|------------|--------------------|-------------------|
| 0698-3132 | 261 ohm resistor | A31R80 |
| 0698-3132 | 261 ohm resistor | A31R81 |
| 0757-0405 | 162 ohm resistor | A31R79 |
| 0757-0405 | 162 ohm resistor | A31R82 |

Situation:

This modification ensures no spurious errors are generated when the 50 Mhz clock frequency is selected.

Continued

DATE: 30 August 1991

ADMINISTRATIVE INFORMATION

| | | | |
|---------------------------------|--|---|--|
| SERVICE NOTE CLASSIFICATION: | | | |
| MODIFICATION RECOMMENDED | | | |
| ACTION CATEGORY: | <input type="checkbox"/> IMMEDIATELY <input checked="" type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME | STANDARDS: Labor 0.5 Hours | |
| LOCATION CATEGORY: | <input checked="" 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 type="checkbox"/> SEE TEXT | USED PARTS: <input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT |
| AVAILABILITY: | PRODUCT'S SUPPORT LIFE | | RESPONSIBLE ENTITY: 1400 UNTIL: 30 August 1993 |
| AUTHOR: JMW. ENTITY: 0400 | | ADDITIONAL INFORMATION:; | |

Modification Instructions:

1. Switch off the 3784A and disconnect the AC power line.
2. Remove the instrument top cover.
3. Remove the A31 assembly.
4. Remove the following resistors from the A31 assembly:
 - A31R79 (82.5 ohms)
 - A31R80 (133 ohms)
 - A31R81 (133 ohms)
 - A31R82 (82.5 ohms)
5. Add the following resistors:
 - A31R79 (162 ohms - Part No 0757-0405)
 - A31R80 (261 ohms - Part No 0698-3132)
 - A31R81 (261 ohms - Part No 0698-3132)
 - A31R82 (162 ohms - Part No 0757-0405)
6. Replace assembly A31 and refit the instrument top cover.
7. Reconnect the AC power line and switch on.
8. Select Display Page 12 and execute the BER INTERFACE self test.
9. Update the Service Manual to reflect this change.