54506B-02

S E R V I C E N O T E

SUPERSEDES: None

HP 54506B Oscilloscope

Serial Numbers: 3219A00101 / 3219A00300

Test Failure: Waveform distortion may occur between 240 and 255 MHz

Duplicate Service Note: 54505B-02

To Be Performed By: HP-Qualified Personnel

Parts Required: Modification Kit 54506-68702

Situation:

Due to an intermodulation problem, instruments in the above serial number range may exhibit distortion in the 240 to 250 MHz region.

Solution/Action:

Upon failure, a modification kit is available. This kit will modify the HP54506B into a HP54512B with all of the features of the HP54512B. (Instrument retains the same model # and serial # but with the features of the 54512B.) The enhanced features are listed below. Please refer to service manual P/N 54512-90906 for the differences in specifications between these instruments. (This is the same service manual for the 54512B.) Please advise your customer of this modification.

NOTE: If the instrument is being used in remote mode, changes to the system software may be required to be compatible with this modification.

Continued

DATE: 08 October 1993

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

MODIFICATION RECOMMENDED

ACTION CATEGORY:	☐ IMMEDIATELY ■ ON SPECIFIED FAILURE ☐ AGREEABLE TIME	STANDARDS: LABOR: 1.5 Hours			
LOCATION CATEGORY:	☐ CUSTOMER INSTALLABLE ☐ ON-SITE ■ HP LOCATION	SERVICE INVENTORY:	☐ RETURN ☐ SCRAP ☐ SEE TEXT	USED PARTS:	■ RETURN ☐ SCRAP ☐ SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	HP RESPONSIBLE UNTIL: 08 October1995			
AUTHOR: TG	ENTITY: 0800	ADDITIONAL INFORMATION:			

HEWLETT PACKARD

Enhanced Real Time Mode Features:

1. Increased sample rate capability
2. Increased Bandwidth
3. Faster risetime measurement capability
4. Improved Delta t accuracy