

3787B-14

S E R V I C E N O T E

SUPERSEDES: None

HP 3787B Digital Data Test Set

Serial Numbers: 0000U00000 / 3019U01304

Duplicate Service Notes: None

Preferred Replacement for A3 CRT Display Module

Situation:

If replacing the A3 Module on any HP 3787B instrument, use the preferred part which is now 2090-0291. This part is fitted as standard to all units with serial number 3019U01304 and above. It can also be used to replace the earlier A3 Module (HP p/n 5080-3514) fitted to all units below serial number 3019U01304.

Solution/Action:

If the A3 module is to be replaced for any reason, check the instrument serial number. Use Table 1-1 to decide which parts to order. Follow the retrofit instructions below when fitting.

Continued

DATE: 31 May 1994

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

INFORMATION ONLY

AUTHOR:

ENTITY:

ADDITIONAL INFORMATION:

GH

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Table 1-1 Parts Required:

Serial Number	Part Number(s) Required	Description
3019U01304 or above	2090-0291	CRT Display
below 3019U01304	2090-0291	CRT Display
below 3019U01304	03787-60097	Cable (#1)
below 3019U01304	03787-60098	Cable (#2)

CRT Module - Retrofit Instructions:

1. Switch off instrument and remove power cord.
2. Unscrew the Rear Feet and remove the Top and Bottom Covers.
3. Unscrew the clamps securing both Side Handles to each Side Frame
4. Remove the handles and slide the Side Covers back out of the instrument.
5. Unscrew the four (4) screws securing the Front Panel to each Side Frame.
6. Unscrew the two (2) Power Supply Tray clamp screws and swing the Tray into the vertical position. Secure with the Safety Latch - see Figure 5-1 in the Service Manual.

WARNING

Failure to secure this tray with the Safety Latch could result in injury to personnel or damage to the instrument.

7. Unscrew the grub securing the Power ON/OFF switch operating cable to the Switch Assembly (located at left rear of A5 Assembly) and pull this cable away from Switch Assembly.
8. Pull the Front Panel Assembly away from the Main Chassis taking care not to bend the Brightness adjustment rod. Lay this assembly face down on a soft surface.

9. Unplug the CRT cable(s) from both A3 and A5 Assemblies.
10. Unscrew the six (6) screws securing the CRT Assembly to the Side Frame.
11. From underneath the instrument, the two (2) screws securing the CRT Assemblies to the A5 Assembly.
12. The CRT Assembly can now be drawn forward out of the instrument.
13. Separate the CRT Module from the Assembly metalwork by unscrewing the seven (7) securing screws.
14. Fit the new CRT Module as a reversal of the above procedure. If 5080-3514 CRT Module is being replaced, fit the new cables in place of the original 03787-60058 cable. Testing Obtain a pass on the instrument Self-tests. The instrument is now ready for use. Update your Service Manual Replaceable parts list (section 6) to reflect this change.