37732A-04

S E R V I C E N O T E

SUPERSEDES None

HP 37732A Telecom Analyzer

Serial Numbers: 0000U00000 / 3106U00206

Battery holder modification to the A2 Processor Assy to make NVM battery replacement easy.

Situation

NVM battery life expectancy is typically 18 months. This is seen as an inconvenience to customers and so, battery accessibility is improved to make replacement easy.

Action:

In the event of an A2 Processor Assembly NVM battery failure - instrument settings and stored measurement data not remembered or status message "NON VOLATILE MEMORY FAILURE" displayed - order and retrofit the following parts:

Note: Once this modification has been performed on an instrument, any future NVM battery replacement is done at a cost to the customer, unless the instrument is inside its warranty period.

HP Part No.	Qty.	Description
1420-0315	1	Battery 3.6V
37701-60047	1	Battery Holder
37701-00047	1	Bracket
0515-1430	2	Screw
0360-1788	2	Test Pin

Continued

DATE: 02 August 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: 02 August 1995				
AUTHOR: ER	ENTITY: 1400	ADDITIONAL INFORMATION:				

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Use the following procedure to access the A2 Processor Assembly and make the modification.

Accessing the A2 Measurement Assy

If the instrument has a Datacom Module fitted, removal of the datacom part should help make the retrofitting of parts easier.

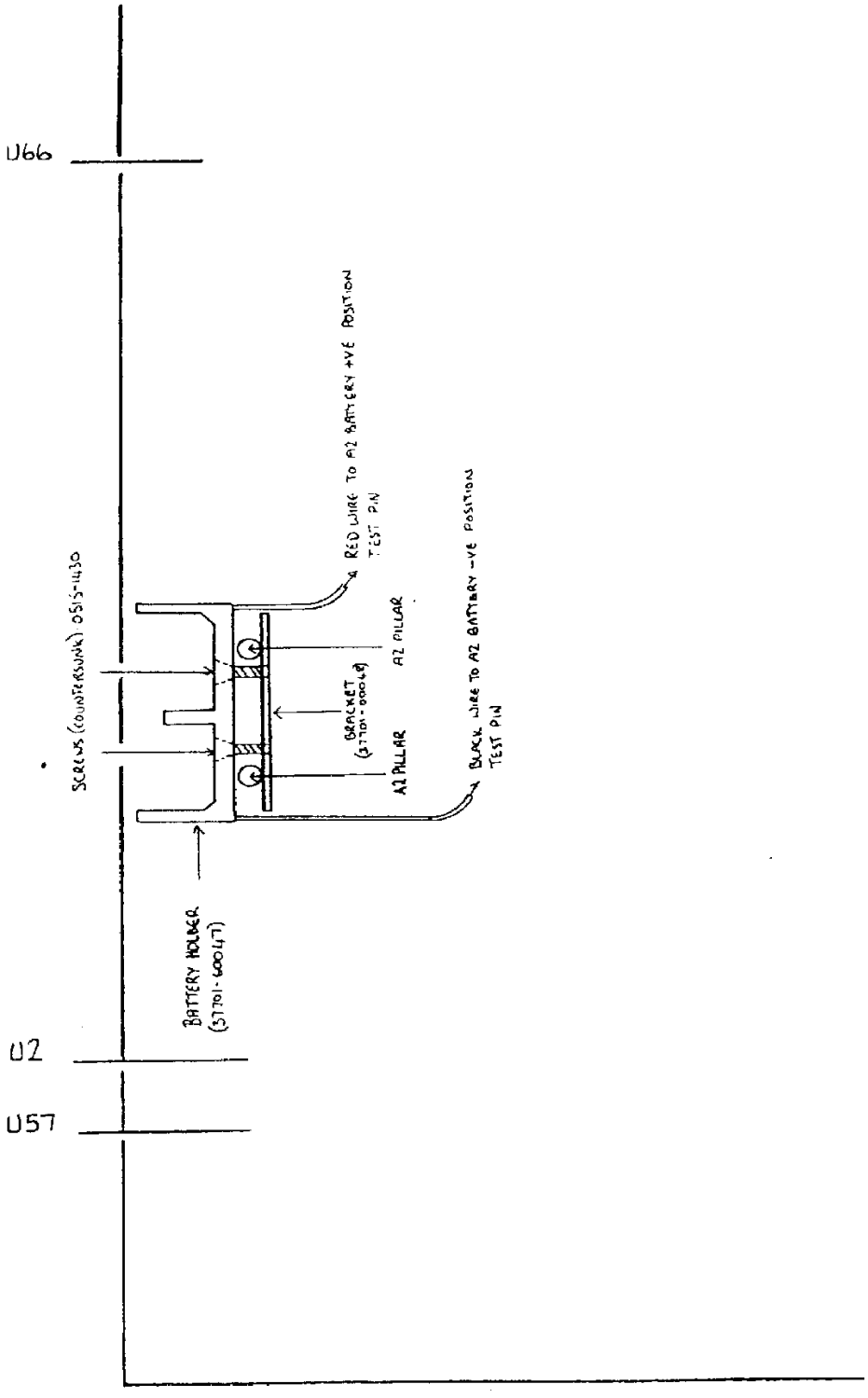
Procedure

Use the following procedure to access the A2 parts to be replaced.

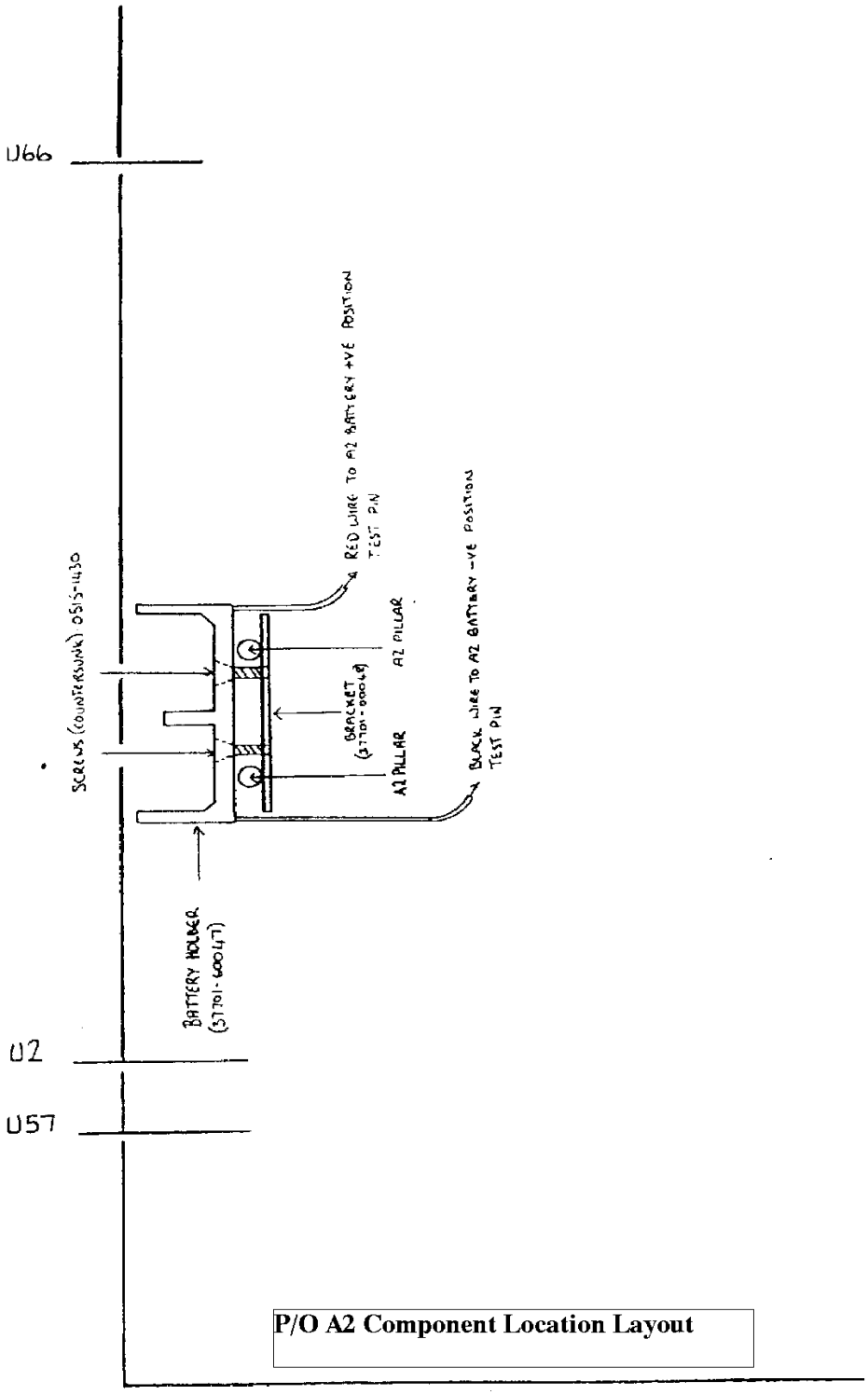
1. Switch off and remove the power from the instrument.
2. Place the instrument face down with the carrying handle away from you.
3. Remove the rear panel feet (four screws).
4. Lift off the instrument case. Note the warning "WARNING HIGH VOLTAGE WITHIN" found on the inner metal case.
5. Remove the inner metal case screws (four screws, two on either side).
6. Lift off the inner metal case and place it away from the main body of the instrument, to the extreme of the cable lengths. The power supply and the power fail detector assemblies are removed with the metal case.
7. Remove the A6 assy securing screws (4 off) and fold the A6 assy back over its connecting ribbon cable.
8. Remove the A1 assy securing standoffs and screws (4 of each) and the connector fitted to A1J4 (situated below metal cover).
9. Fold the A1 assy back over its connecting ribbon cable.
10. Use the A2 component location layout to identify the battery part and remove the NVM battery.
11. Fit one of the test pins (0360-1788) to the existing battery positive side and the other test pin to one of the existing battery negative sides.
12. Use both of the A2 component location layout illustrations to aid you in fixing the battery holder to the A2 assembly pillars.
13. Once the battery holder is secured and the leads connected then fit the new battery (1420-0315) in the holder.
14. Reassemble the instrument in reverse order.

Operational Verification

15. Switch on instrument power, select a particular set of settings (ie 64 kb/s BER) and then cycle instrument power (ON/OFF).
16. Ensure that the instrument powers up with the settings displayed that it had when it powered down.
17. Run instrument self tests.



P/O A2 Component Location Layout



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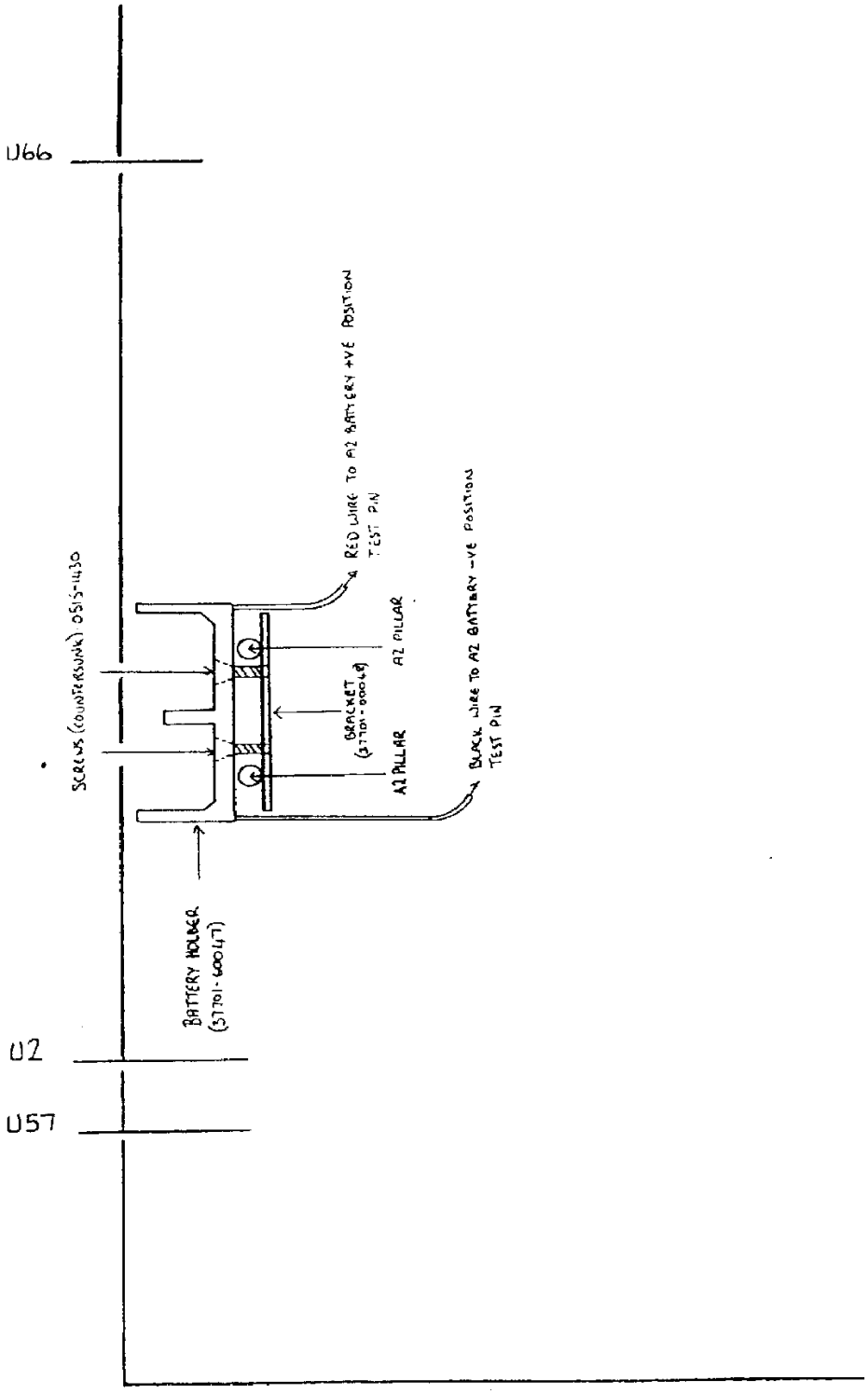

P/O A2 Component Location Layout