

35652A/B-01

S E R V I C E N O T E

SUPERSEDES: None

HP 35652A/B Input Module

Serial Numbers:

35652A 0000A00000 / 2829A05055

35652B 0000A00000 / 2935A01901

The Microdot connector may become loose when utilized in an environment which requires frequent attachment and detachment of a transducer cable.

Parts Required:

HP Part No.	Description	Qty.
35652-69503	Input Assembly	1

Situation:

There has been reported problems with the Microdot connector of the Charge Amp Input becoming loose and backing out of the housing with the removal of the transducer cable. The continued loosening and tightening of this connector has the potential of stressing the resistor connected between it and the Input Assembly board or allowing it to short to the housing assembly.

Continued

DATE: 24 January 1994

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: 1.0 Hour
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input checked="" type="checkbox"/> ON-SITE <input type="checkbox"/> HP LOCATION	SERVICE INVENTORY:	<input checked="" type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	USED PARTS:	<input checked="" type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AUTHOR: LA	ENTITY: A100	RESPONSIBLE UNTIL :	24 January 1996
		ADDITIONAL INFORMATION: PCO A1-9312029	

There are only 2 to 3 threads of the connector making contact with the housing. It is possible that the connector may have become completely disengaged from the housing. If reinserted, it is possible that the resistor lead that exits the connector at the board side, may short to the housing, if it has been misformed due to twisting or pulling.

It has been identified that the manufacturing process of the Microdot connector assembly did not specify the tightness of the Microdot connector to its housing. After analysis and testing, a specification of 8 in/lbs of torque has been applied to the construction of the Microdot connector. The resistor lead which runs through the housing has been covered with tubing to insulate it from making contact with the housing.

The torque specification is currently being applied in the production process of the 35652B. All 35652-69503 boards currently in the Blue Stripe exchange board program will be torqued or replaced as they are received by LSID.

Solution/Action:

If the date code on the 35652-66503 is less than 3350, then order a replacement board through the Blue Stripe process. Replace the defective Input board by following the procedure detailed in the "HP 3565S System Reference" or the "HP 3566A/3567A Measurement Hardware Service Manual".

Hewlett-Packard will cover the cost of this repair for the time period stated above.