

MODIFICATION RECOMMENDED –  
CORRECTS MANUFACTURING OR DESIGN DEFECTS

**E5010B-01**

**S E R V I C E N O T E**

Supersedes:  
None

**E5010B Spinstand**

**Serial Numbers:** [0000A00000 / 9999Z99999]

**Spindle stage suddenly stops after long operation**

**To Be Performed By:** Agilent-Qualified Personnel

**Parts Required:**

P/N	Description	Qty.
None		

**ADMINISTRATIVE INFORMATION**

SERVICE NOTE CLASSIFICATION:		
<b>MODIFICATION RECOMMENDED</b>		
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY x ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS: LABOR: 5.0 Hours
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE x ON-SITE <input type="checkbox"/> SERVICE CENTER	SERVICE INVENTORY: <input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	USED PARTS: <input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AGILENT RESPONSIBLE UNTIL: Oct 2004		
AUTHOR: YH      PRODUCT LINE: WN		
ADDITIONAL INFORMATION:		

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**Situation:**

The spindle stage suddenly stops after the long operation. If the spindle stays stop for a while, it works again properly.

Heat by the spindle rotation makes the stage expand. If the environment temperature is high and the gap between the stage and the rails is narrow, the stage would stop due to the friction.

Since the rotation speed becomes faster and the customer begins to put a cover on spinstand for the reason of the safety and the performance improvement, the temperature around the stage becomes higher than before.

**Solution/Action:**

Widen the rail gap. The recommended rail gap is 40 micro meter at 23 degree. See the spinstand service manual for the procedure.