

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

SUPERSEDES: 5DX-95-04  
Dated March 21, 1995

## HP 5DX Structural Process Test System

### X-Axis jams during operation

#### Situation / Solution:

Procedure to align the X-Axis rail

- 1) Turn the power switch on the motion control box to the "OFF" position.
- 2) Open the right sliding access panel on the Main Cabinet.
- 3) Loosen the X-Axis leadscrew clamp mounting screws located at each end of the X-Axis leadscrew. Loosen the four ballnut mounting screws. Refer to the enclosed diagram.
- 4) Pull or push the X-Axis rail to the mechanical stop located at the servomotor end of the leadscrew.
- 5) Pull or push the X-Axis rail to the approximate center of travel of the leadscrew.
- 6) Tighten the four ballnut mounting screws.

*Continued*

DATE: September 1997

### ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

## INFORMATION ONLY

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ENTITY:

0982

ADDITIONAL INFORMATION:

- 7) Pull or push the X-Axis rail back to the servomotor end mechanical stop. Lightly tighten the leadscrew clamp screws at the servomotor end of the leadscrew. Pull or push the X-Axis rail to the mechanical stop located at the opposite end of the servomotor end of the of the leadscrew. Lightly tighten the leadscrew clamp screws at this end of the leadscrew. Pull or push the rail back to the servomotor end mechanical stop and tighten the clamp screws at this end. Pull or push the rail away from the servomotor to the opposite mechanical stop. Tighten the clamp screws.
- 8) Test the rail movement. If the rail does not move with a minimum amount of resistance repeat the alignment procedure.
- 9) Push the master reset button on the master computer and hold. Turn the power switch to "ON" on the motion control box. Release the master reset button and allow the computer to reboot.
- 10) Return the machine to normal operation.

See diagram below for location of mechanical parts mentioned in procedure.

