S E R V I C E   N O T E

SUPERSEDES: None

5DX Structural Process Test Systems
Series I Systems Upgraded to Series II
Series II Systems
Series 2L Systems

Motion Control Card Programming Procedure

Situation:

When replacing motion control cards (Galil) you need to program them correctly or physical damage to the system might result.

Solution:

Use the following procedure when replacing motion control cards. Also included is a procedure to reset the motion control cards.

1. Shut down the 5DX.

2. Turn off the motion control power supply.

3. Open the electronics cabinet, slide the controller forward, and remove the cover from the expansion chassis.

4. Replace either motion control card, 1 or 2. Be sure to set the jumpers and switches to the same positions as on the card you are removing. Also note the position of all cable connections.

5. Reboot the controller.

6. Log into the 5DX User Interface but DO NOT run startup.

Continued

DATE: July 1998

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

INFORMATION ONLY

AUTHOR:	ENTITY:	ADDITIONAL INFORMATION:
TF	0980	No rework required

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7. Quit the 5DX User Interface to display the DOS prompt.

8. To program card 1:

From the DOS prompt, execute the batch file by typing

burng1

(note - "1" is the number 1, not the letter l)

Using the batch file is the preferred method, but if your system does not include the burng1 batch file, type

axtest -rmo;bn;ui1;

(note - "ui1" is the number 1, not the letter l)

Be sure that there were no errors generated from the command.

9. From the DOS prompt, initialize all servers by typing

dcxobj -uiready

10. To program card 2:

From the DOS prompt, type

diomon -i

For software versions 3.51 and earlier:

Toggle bits 14, 23, and 32   All diomon bits should be set to "1" except bit 14

For sortware versions 3.52 and later:

leave all diomon bits as set by diomon -i

From the DOS prompt, type

diomon -b

Be sure that there were no errors generated by the command.

11. Reset the 5DX by "double clicking" the reset icon.

12. Log into the 5DX User Interface and run startup; do not   turn on the motion control power supply until instructed.

To reset either of the motion control cards:

- Remove the card from the expansion chassis
- Short JP21 - MRST (under the add-on board for Galil 2)
- Reinstall the card in the expansion chassis
- Turn on the expansion chassis, wait 30 seconds, then turn it off
- Remove the card, remove the short, and reinstall the card