WARNING

Failure to follow instructions on this page may result in serious personal injury or death.

7. Verify that the EMERGENCY STOP push button is wired between terminal 63 and 7.

8. Remove machine wiring from N-board terminal 65.

9. Set N-board potentiometers (pots) R11, R~~26~~25 and R35 to calibration mark 4. See figures 3.1.2, 3.1.3, and 3.1.6.

10. Place the Main Electrical Disconnect Switch in the ON position.

11. Enable terminal 64.

12. Carefully apply a positive (+) command voltage, using a special battery box setup designed for the application, to N-board test connector X33 using test point "T" for the positive battery box connection and "M15" for the negative battery box connection.

13a. Slowly and very carefully, using the battery box potentiometer, apply a positive voltage and watch the direction that the axis moves. A positive voltage should rotate the motor and produce move in the positive direction.

Check the tacho voltage at N-board test connector X33. Connect a DVM to test connector X33 using test points "X" for the positive meter lead and "M15" for the negative lead. A positive tacho voltage indicates a move in positive (+) direction.

If the axis moves in a positive direction and the tacho voltage monitored is positive (+), the wiring is correct, proceed with step 14.

13b. If the tacho voltage was negative, the tacho wiring polarity is wrong. Place the Main Electrical Disconnect Switch in the OFF position, wait a minimum of four (4) minutes and reverse tacho wires. Repeat steps 10 thru 13a.

13c. If the tacho voltage was positive and the axis motor moved in a negative direction, the tacho wires and the armature wiring polarity is wrong. Place the Main Electrical Disconnect Switch in the OFF position, wait a minimum of four (4) minutes and reverse tacho wires and the armature wires. Repeat steps 10 thru 13a.

14. Place the Main Electrical Disconnect Switch in the OFF position, wait a minimum of four (4) minutes.

15. Disconnect the battery box from connector X33.

16. Remove the jumper wire connecting terminals 56 and 14.

17. Re-connect machine wiring to terminals 56 and 14.

18. Re-connect machine wiring to terminal 65.