

Coolwave[®] 2 Control Board Upgrade Kit

NOTE: Retain the box used for shipping the control board and contactor to comply with the conditions of warranty.



WARNING: Allow only qualified personnel to perform the following tasks. Follow the safety instructions in this document and all other related documentation. A qualified and competent electrician must carry out all electrical maintenance and servicing of this equipment.



WARNING: This equipment operates at high voltages up to 5000 Vdc and is therefore potentially dangerous. The electrician servicing this equipment must take all precautions.



WARNING: Isolate the equipment at the main disconnect or lockout before removing any of the cover panels.

See Figures 1 – 3. The control and I/O boards have an updated interface connector. The interface changed from a ribbon cable connection to a wire harness connection. The kit includes a new control board, I/O board, and wire harness.

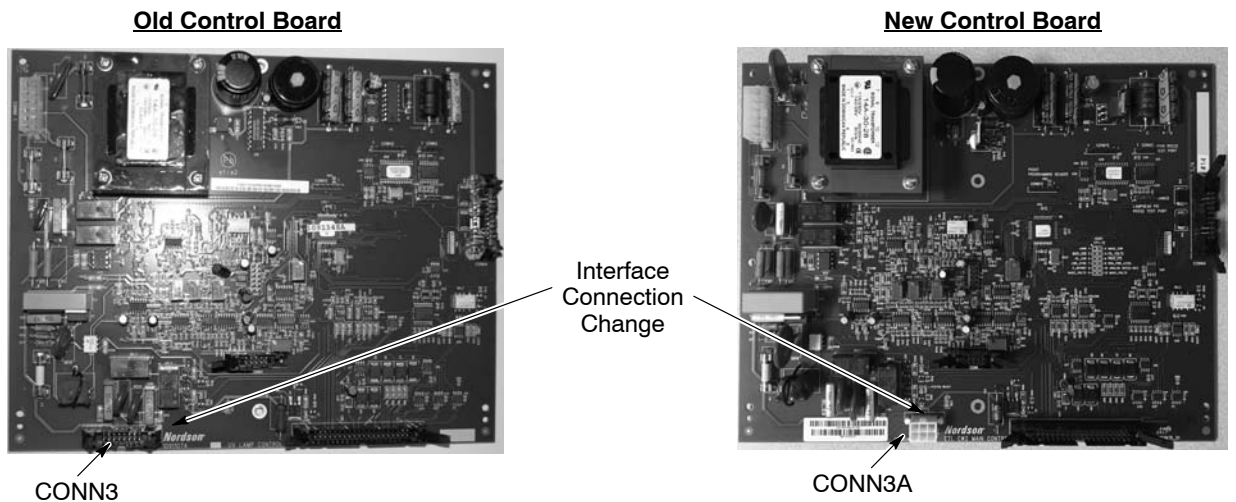


Figure 1 Old and New Versions of the Control Board

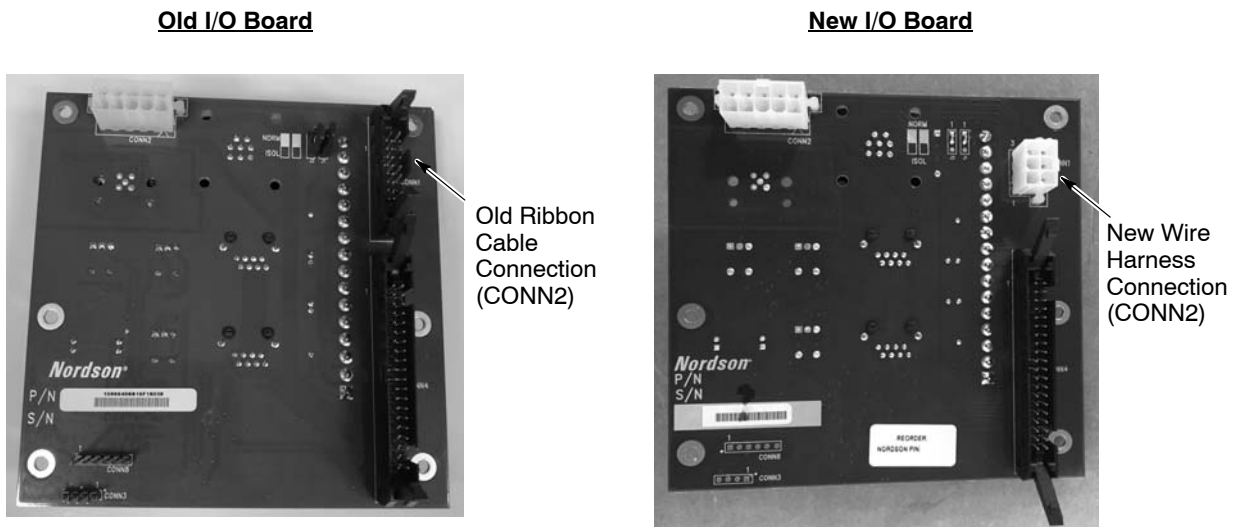


Figure 2 Old and New Versions of the I/O Board



Figure 3 Old Ribbon Cable and New Wire Harness

Replacing the Control Boards

See Figure 4 for board locations.

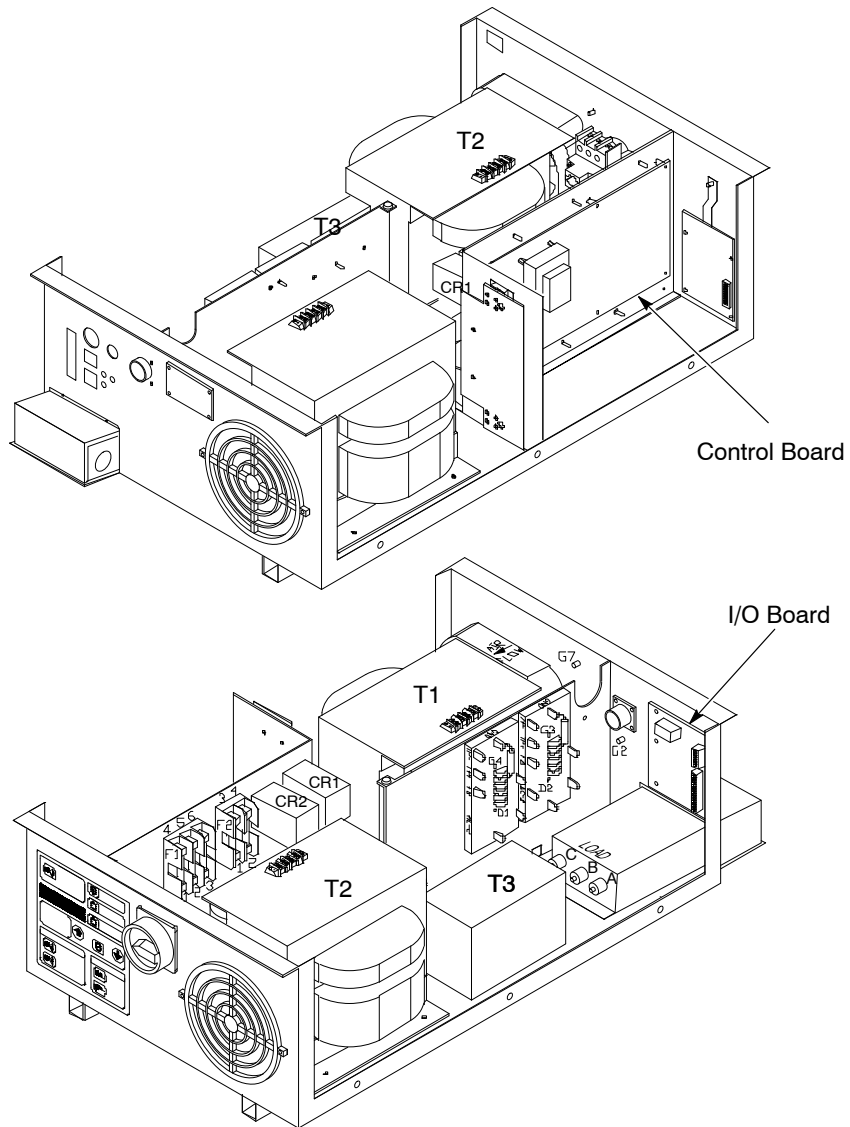


Figure 4 Board Locations

Removing Old Control Board

1. Remove electrical power from unit.
2. See Figure 5. Remove the six M5 screws from the power supply cover. Remove the cover and set it aside.



Figure 5 Remove Cover Screws

3. See Figure 6. Remove the interface cables from the connections (CONN1, 3, 4, 5, and 6) on the control board.
4. Remove the six M3 screws and washers which secure the control board to the cabinet wall. Remove the control board and set it aside for proper disposal (see the *Board Disposal* section for instructions on proper disposal).

NOTE: Keep hardware for installing new board.

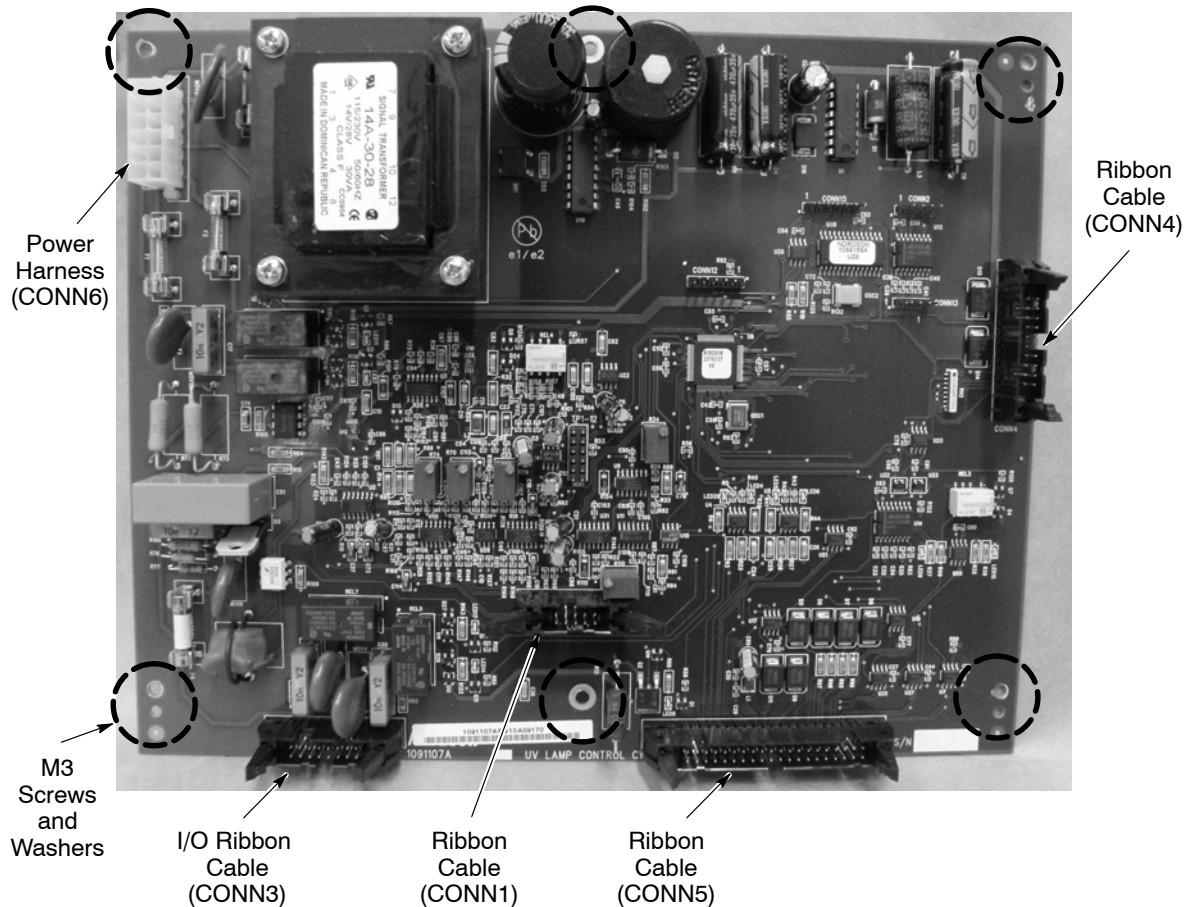


Figure 6 Removing Old Control Board

Removing Old I/O Board

1. See Figure 7. Remove the interface cables from the connections (CONN1, 2, and 4) on the I/O board.
2. Remove the six M3 screws and washers which secure the I/O board to the cabinet wall. Remove the I/O board and set it aside for proper disposal (see the *Board Disposal* section for instructions on proper disposal).

NOTE: Keep hardware for installing new board.

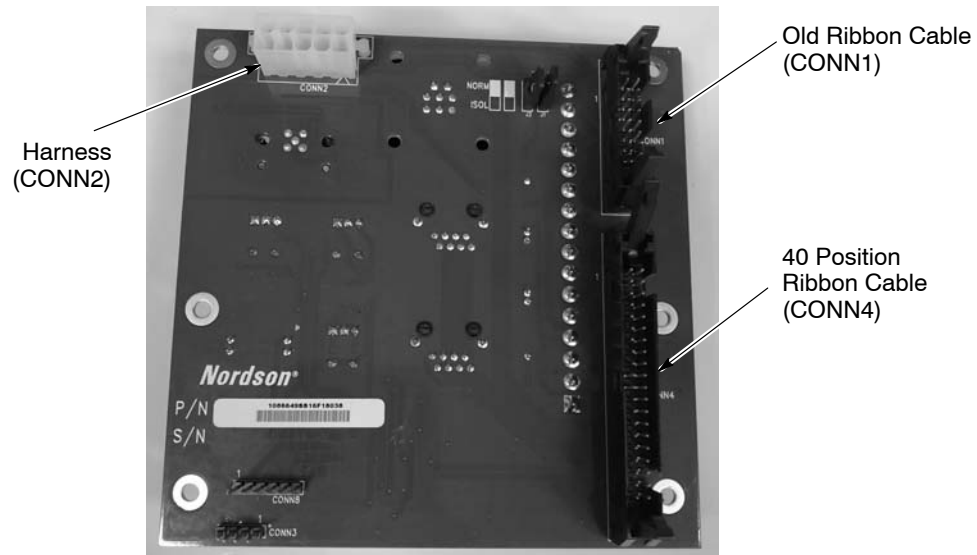


Figure 7 Removing Old I/O Board

Installing New I/O Board

1. See Figure 8. Install the new I/O board to the cabinet wall using the six M3 screws and washers.
2. Reconnect harness (CONN2), 40-position ribbon cable (CONN4), and new wire harness (CONN1).
3. Route the new wire harness along the path of the old ribbon cable to allow new wire harness connection at CONN3A on the control board.



Figure 8 Installing New I/O Board

Installing New Main Control Board

1. See Figure 9. Install the new main control board to the cabinet wall using the six M3 screws and washers.
2. Reconnect the power harness (CONN6), new wire harness (CONN3A), and ribbon cables (CONN1, 4, and 5).
3. Reinstall the power supply cover using the six M5 screws.

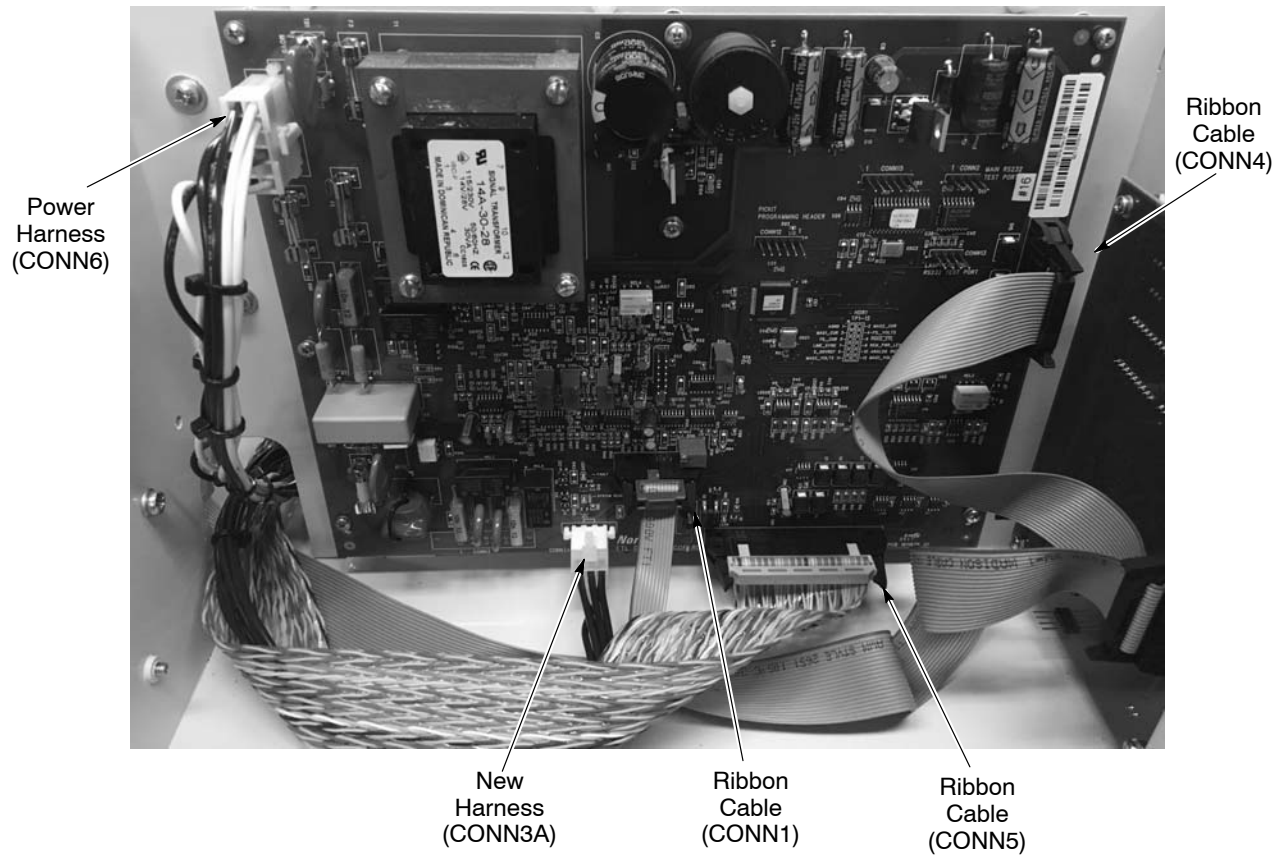


Figure 9 Installing New Control Board

Board Disposal

Dispose of equipment and materials used in operation and servicing according to local codes.

Returns under Warranty

When returning a control board that is under warranty, the items must be sent with the original packaging in which it was received. Failure to comply with these instructions will void the warranty.

Send return items to:

UV System Group
 Nordson Corporation
 Warranty Division
 444 Gordon Ave.
 Amherst, Ohio, 44001

Parts

To order parts, call the Nordson Finishing Customer Support Center at (800) 433-9319 or contact your Nordson representative.

Upgrade Kit

Part	Description	Note
1612552	KIT, main board, upgrade, no DeviceNet™, CW2-610	
1612553	KIT, main board, upgrade, with DeviceNet, CW2-610	
1612554	KIT, main board, upgrade, no DeviceNet, CW2-410	
1612555	KIT, main board, upgrade, with DeviceNet, CW2-410	

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