

FIELD INSTALLATION INSTRUCTIONS

TITLE: IHS 700 LINE REACTOR INSTALLATION
NAME: FII-001
ISSUE DATE: 12 July 2012
REVISION: 1

PURPOSE:

The intention of this FII is to standardize the mounting and installation of the line reactor in the IHS 700 Series units.

PROCEDURE:



Step 1: Mark a point inside the electrical enclosure on the left side, 4" from the bottom of the electrical enclosure and 2" from the door. (See Red circle in Figure 1 - Page 2)

Step 2: Drill the pilot hole (3/8") for the knockout punch tool.

Step 3: Using the knockout tool (3/4 diameter), punch a hole for the strain relief cable grommet.

Step 4: Insert the reactor frame member into the IHS cabinet on the left side.

Step 5: Screw the frame into the firewall with provided screws.

Step 6: Screw the frame to the floor with the provided screws.

Step 7: Test fit the reactor to ensure that the frame is in a suitable position prior to wiring.

Step 8: Install the reactor (2 screws).

Step 9: Bring the wire into the enclosure.

(REFER TO CONTROL BOX PHOTO: Figure 1)

Step 10: Pull one wire off the top of the transformer. Using a butt connector, attach this wire to the new #1 wire on the reactor cable.

Step 11: Take the #3 wire and attach it to the open transformer post using a fork connector.

Step 12: Pull the other wire off the top of the transformer. Using a butt connector, attach this wire to the new #2 wire on the rectifier cable

Step 13: Take the #4 wire and attach it to the open transformer post using a fork connector.

Step 14: Attach the ground wire

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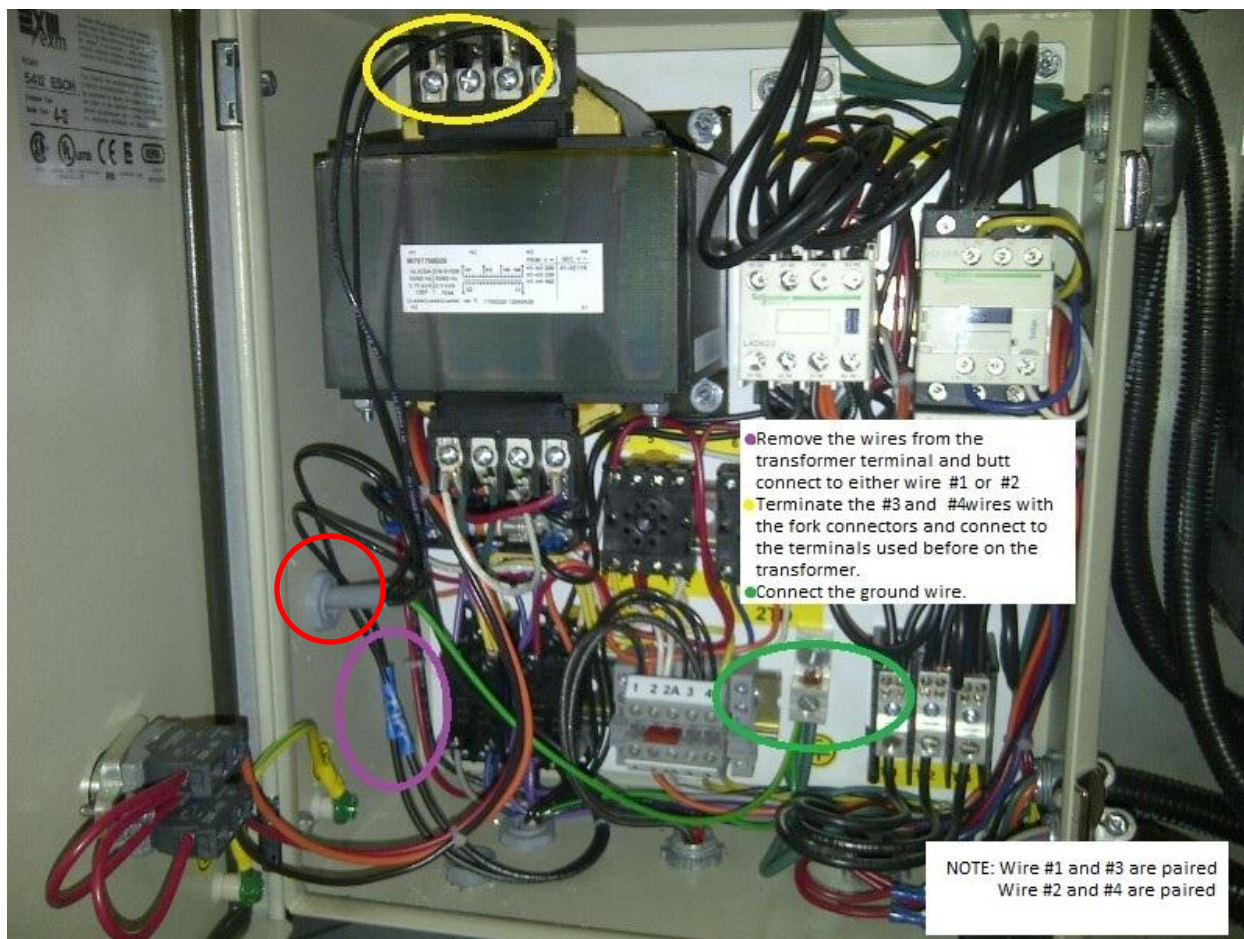


Figure 1: CONTROL BOX