

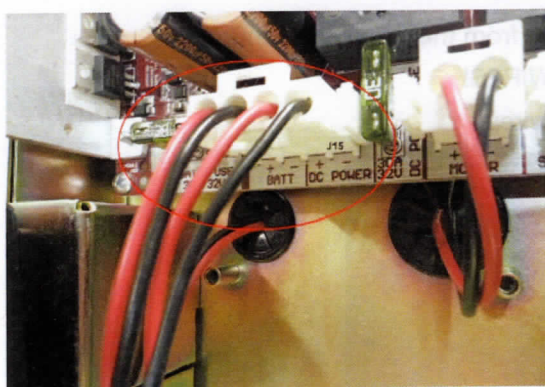
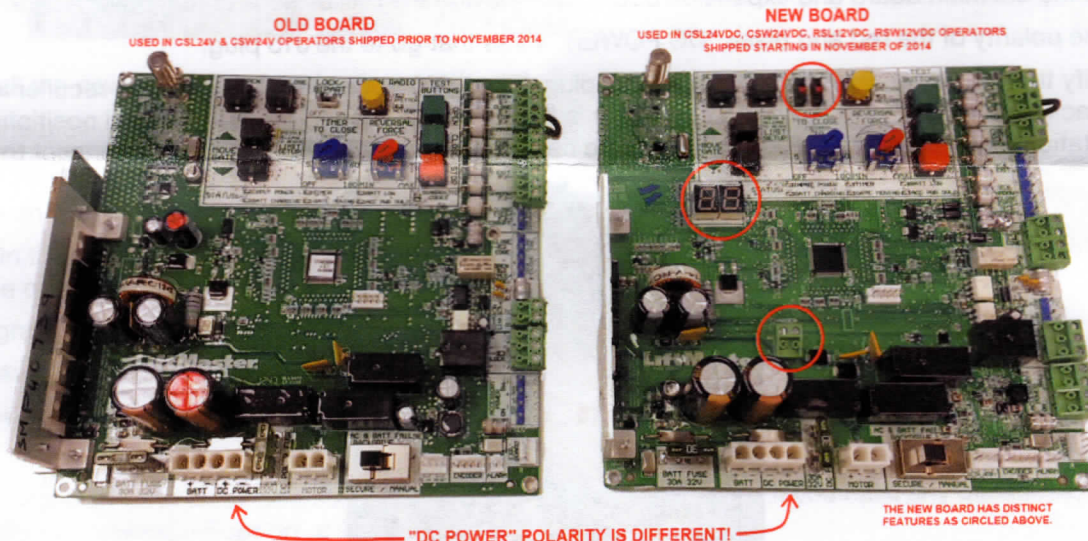
SERVICE BULLETIN

Date: November 5, 2014
Update Number: S2014-02
Subject: 24VDC Commercial Gate Operator Board Compatibility
Products Affected: CSL24VDC and CSW24VDC

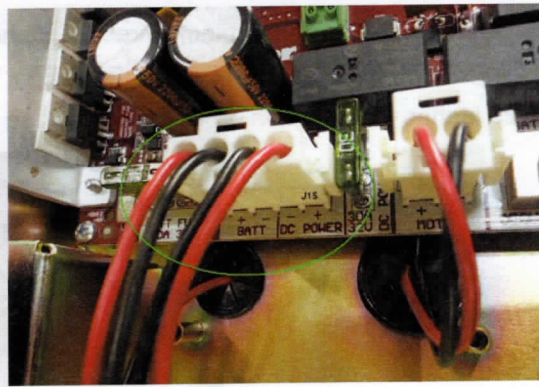
PLEASE READ BEFORE INSTALLATION

This bulletin has been created to clarify compatibility of old and new operators and boards for the 24VDC Commercial Gate Operators. The main control board used in the new model **CSL24VDC/CSW24VDC** is NOT backwards compatible "out of the box" with the previous model CSW24V and CSL24V. Please read the following before installing your operator.

1. **DO NOT USE OLD control boards** (K1D6597-1CC main board and K1D6686CC expansion board) on the NEW CSL24VDC/CSW24VDC Operators. Old boards should only be used in the CSW24V/CSL24V Operators.
2. If you want to **Upgrade your old CSL24V/CSW24V** Operators with the **new boards** containing the newest features, follow these steps:
 - a. Order the new service kits for the new boards.
(K1D8059-1CC is the main board and K1D8080-1CC is the expansion board).
 - b. You will need to reverse the polarity on the J15 plug in order to use the new boards in older operators. Failure to change the polarity of the harness will result in the blowing the fuse on the control board.
3. **For Dual Gate Applications:** When replacing the control boards in a dual gate application, both control boards and expansion boards must be the same version to ensure proper operation. In other words, the new control board cannot be used in conjunction with an older version control board in a dual gate installation.



OLD OPERATORS
WIRE HARNESS IN CSW24V AND CSL24V



NEW OPERATORS
WIRE HARNESS IN CSW24VDC AND CSL24VDC

NOTE THE POLARITY DIFFERENCE OF THE "DC POWER" CONNECTION
AND THE WIRE COLORS GOING TO THE J15 CONNECTOR

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Instructions for upgrading the control boards in a CSW24V or CSL24V to the latest control boards.

This will effectively convert your unit to a **CSW24VDC** or **CSL24VDC**.

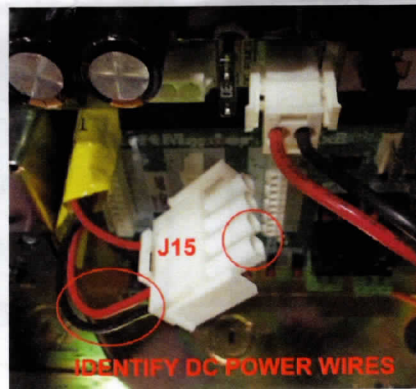
Verify which gate operator model you have before making any modification to your operator. This modification is to be performed on CSW24V and CSL24V models only. If the model number of your operator ends in "DC", CSW24VDC for example, this modification is not necessary because you already have the latest model.

Note: New boards purchased after October of 2015 will require the use of a monitored safety sensor.

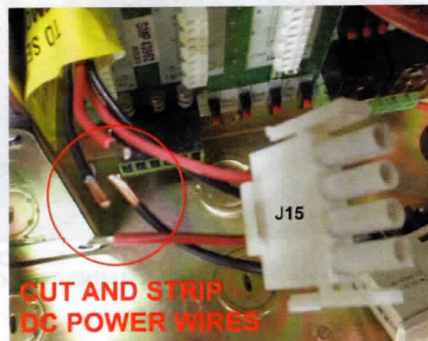
Parts needed:

- New main board (K1D8059-1CC)
- New expansion board (K1D8080-1CC)
- Two butt splices (provided)

1. Turn off AC power to the operator.
2. Remove the cover on the operator.
3. Remove the clear e-box cover.
4. Switch off the AC power switch in the operator.
5. Disconnect the J15 power connector on the main board.
6. Disconnect all other wires connecting to the control boards.
7. Remove the old main board and expansion board by removing the Philips screws that hold them in to the e-box.
8. Swap the polarity of the red and black "DC POWER" wires that go to the J15 plug.
 - a. Identify the DC power wires that go to the J15 plug. These wires connect to the bridge rectifier located on the back side of the E-box. The J15 connector is keyed with D-shaped plugs in the end positions. Note the orientation of the D-shaped plugs in the picture below where the "DC POWER" wires connect to.

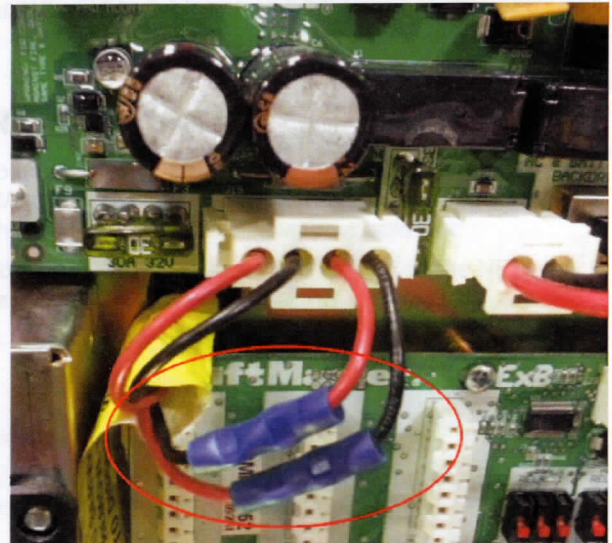
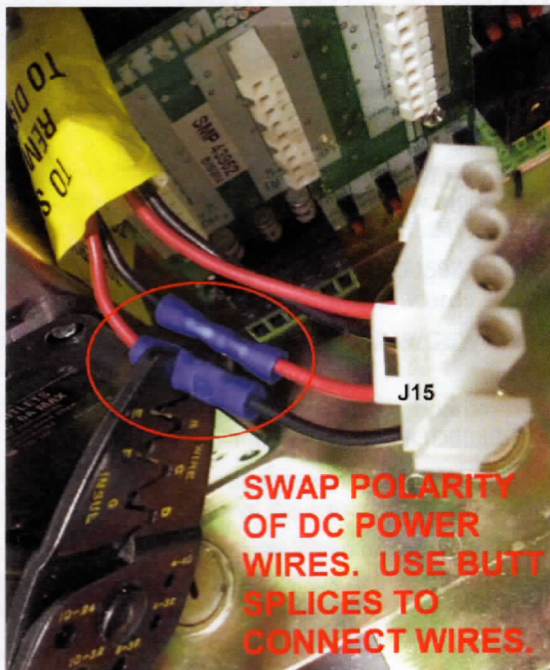


- b. Cut the "DC POWER" red and black wires 1.5 inches from the white J15 connector.
 - i. DO NOT CUT THE RED AND BLACK BATTERY WIRES!
- c. Strip 0.25 inches of insulation off of the 4 resulting wires



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- d. Using butt splices, splice the DC POWER wires back together with the polarity inverted. The finished product should look like this:



9. Install the new main board and expansion board.
10. Connect all wires to the new boards, connecting the J15 power connector last.
11. Turn on AC power to the gate operator.
12. Turn on the AC power switch in the operator.
 - a. On the main board, the "INPUT POWER" LED should be illuminated and the "BATT CHARGING" LED should be on or flashing.
13. Program limits, transmitters and select any desired settings on the new boards.
14. Replace the e-box cover.
15. Replace the outer operator cover.

Thank you for your continued support of LiftMaster Gate Operators, if you have any questions, please contact LiftMaster Technical Support at 800.528.2806.