

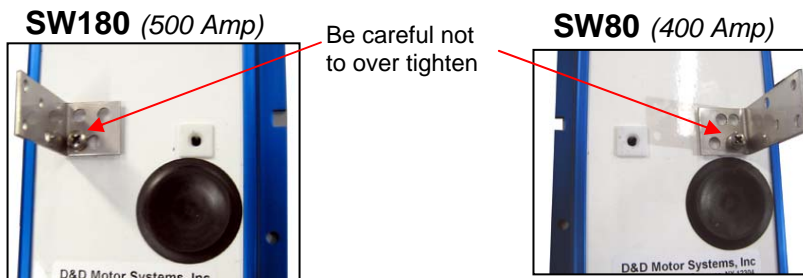
APPENDIX C

Contactor (solenoid), Resistor Coil and Diode Installation Guide

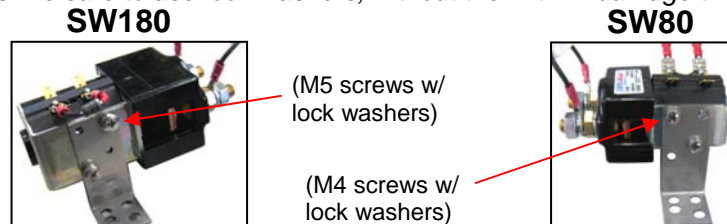


Always wear appropriate eye protection! Place car in tow position before disconnecting the batteries!

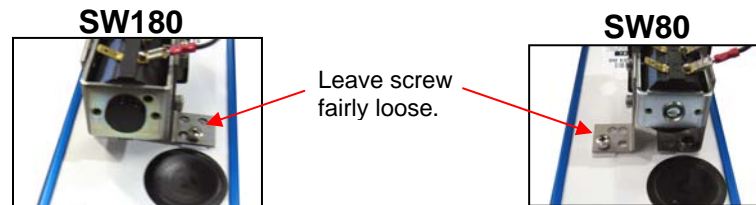
1. Begin by placing the car in the tow position! Disconnect both the positive and negative main power connections to the battery pack.
2. Remove all existing power cables. Remove the rear body inspection cover. Disconnect the activation wiring from the motor, controller, solenoid and run/tow switch. Remove the controller and solenoid from the heat sink.
3. At this point identify the parts that are to be installed.
4. Mount the solenoid.
 - a. Mount the 1st solenoid bracket on top of the controller (use your existing ¼ mounting screws). Note the position for the appropriate solenoid in the pictures below. *Mount using hole closest to corner of bracket: Left side of controller for the SW180, Right side of controller for the SW80.*



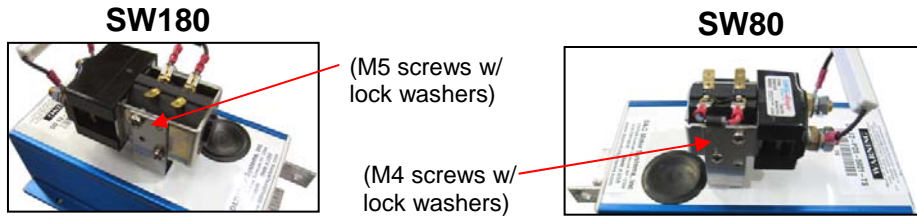
- b. Mount the 2nd bracket to the solenoid. *Mount the bracket to the Right side of the SW180. Mount the bracket to the Left side of the SW80. Uses 2 of the 4 mounting holes. Be sure to use lock washers, without them it will damage the solenoid.*



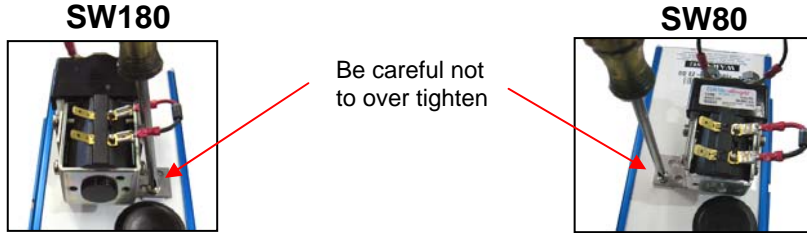
- c. Now mount the solenoid, with bracket attached, to the top of the controller in the remaining hole. At this point only keep screw fairly loose.



- d. Now line up 2 holes on the bracket with the threaded holes on the solenoid and fasten screws. *Be sure to use lock washers, without them it will damage the solenoid. (see pictures on the next page)*



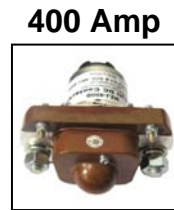
e. Now tighten down the screw from Step 6 above.



f. Other Solenoids.

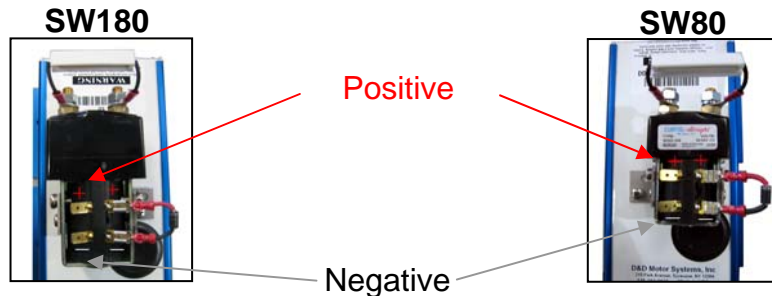


200 Amp
Note: For the 200 amp solenoid, mount as illustrated in the picture to the left.



400 Amp
Note: For the 400 amp solenoid depicted to the left, mount in the existing location on the vehicle.

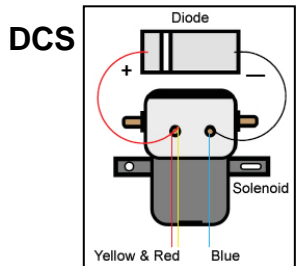
5. Install the resistor across the two large solenoid terminals. Install the diode across the two small solenoid terminals. **Tech Tip:** All connections on the motor, controller and solenoid use connections requiring the double wrench technique. Distorting or damaging connection points are not covered by warranty.



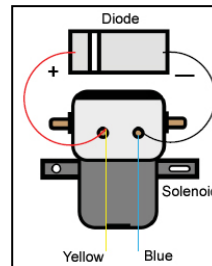
The solenoid has two small terminals for activation. Across these two terminals is a diode. Connections to the diode must be correct! Failure to do so will cause harm to the system and is not covered by warranty.

E-Z-GO: DCS: The Yellow activation wire must connect to the diode red lead (positive). The blue activation wire must connect to the black diode lead (negative). The red accelerator switch wire connects to the red diode lead with the yellow wire.

E-Z-GO: PDS: The Yellow activation wire must connect to the diode red lead (positive). The blue activation wire must connect to the black diode lead (negative).



Note: 200 amp Solenoid depicted in this section.



6. Connect all motor and controller connections according to proper wiring diagram.