EXCHANGING THE RESISTOR MODULE

The Clipper comes with a replaceable diversion load. The diversion load is a resistor module available with different resistor values and configurations to provide a variety of possible loads. To replace/exchange the resistor module, first remove all power to the Clipper and allow it to cool.

AC Models

AC models come with the load resistors for each phase wired either in series or parallel; there are also multiple values for resistors. The replacement module may be any one of these. Verify that the new module is of the desired type and resistance before beginning installation.

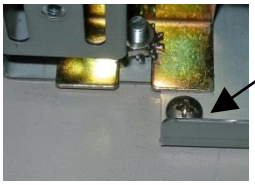
Step 1. Remove the two wires to each of the temperature sensors on the side of the resistor module. Remove the terminals by pulling on the red handles. Do not pull on the wires.

Step 1.

Step 2.
Remove these wires

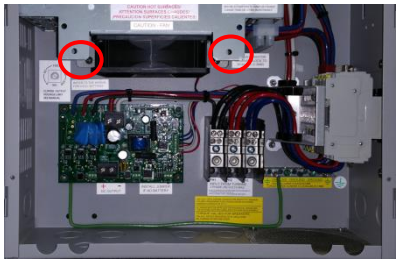
Step 2. Remove the six wires from the terminal block at the base of the resistor module. Do not remove the wires that go inside the module. Make note of the order of the wires. They can be marked to be sure they get re-wired correctly.

Step 3. Remove the two screws at the base of the resistor module and set aside to use with the new module. Lift the module gently upward and to the right to remove the module's mounting tabs from the slots on the Clipper chassis and remove the old module.



Remove the two screws at the bottom of the resistor module.

Step 3



Step 4. Position the new module in the Clipper chassis with the terminal block toward the middle of the Clipper and slide the mounting tabs into position. Secure the module with the screws removed in **Step 3**.

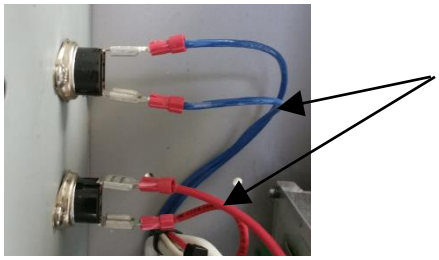
Step 5. Replace the wires removed in **Steps 1 & 2** in the same positions that they were removed from. Make sure to torque the wires in the terminal block to 20 IN LB. Also, be sure to reconnect the wires to

the temperature sensors (at the upper right of the resistor module) that they came from. If the fan runs continuously when cold, this is an indication that the wires are going to the wrong sensors.

DC Models

DC models come prewired to provide various loads. Verify that the new module is of the desired resistance before beginning installation.

Step 1. Remove the two wires to each of the temperature sensors on the side of the resistor module. Remove the terminals by pulling on the red handles. Do not pull on the wires.



Step 1

Step 2. Remove the four wires from the terminal block at the base of the resistor module.
Make a note of where each wire came from. Do not remove the wires that go inside the module.

Step 3. Remove the two screws at the base of the resistor module and set aside to use with the new module. Lift the module gently upward to remove the module's mounting tabs from the slots on the Clipper chassis.

Step 4. Position the new module in the Clipper chassis with the terminal block toward the middle of the Clipper and slide the mounting tabs into position. Secure the module with the screws removed in **Step 3**.

Step 5. Replace the wires removed in **Steps 1 & 2** in the same positions that they were removed from. If the fan runs continuously when cold this is an indication that the wires are going to the wrong sensors. Make sure to torque the wires in the terminal block to 20 IN LB.