
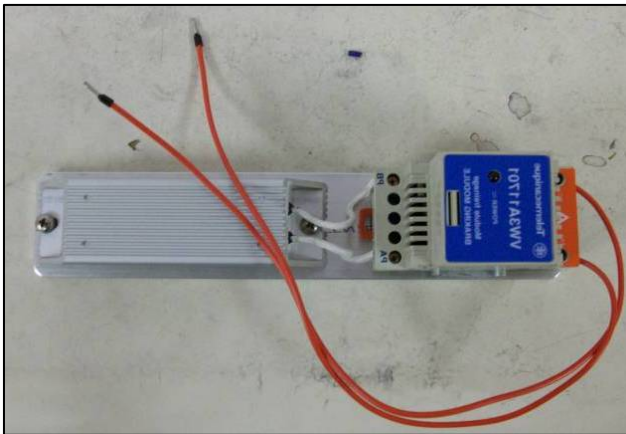




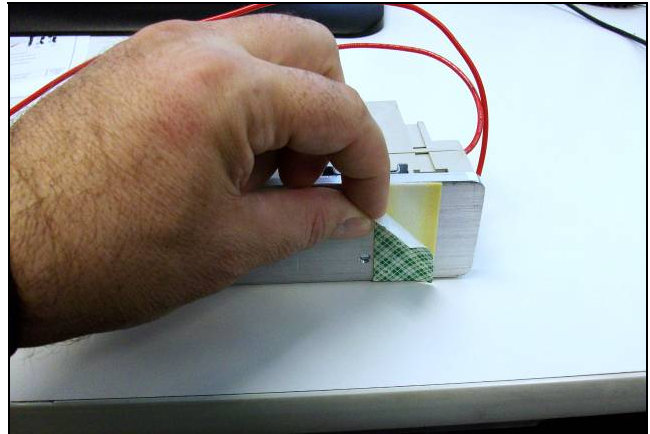
AXIS ARCH BREAKING MODULE UPGRADE KIT MANUAL

Installation Procedure:

-  **Upon** receiving your MCWW equipment, open all boxes and crates and verify that you have all the required components and there is no damage to the equipment. Verify that you have all your installation materials.
- Turn OFF** the **MAIN AXIS ARCH CONTROL PANEL SWITCH** and open the door. Verify that the power is **OFF TO THE VFD**.
- Locate** the **BREAKING RESISTOR MODULE** (see Picture #1), peel both adhesive backings (Picture #2) and secure in the box **1" AWAY FROM THE EDGE** and **FULLY TO THE RIGHT OF THE BOX** as shown in picture #3 below.



Pic #1: Breaking Resistor Module

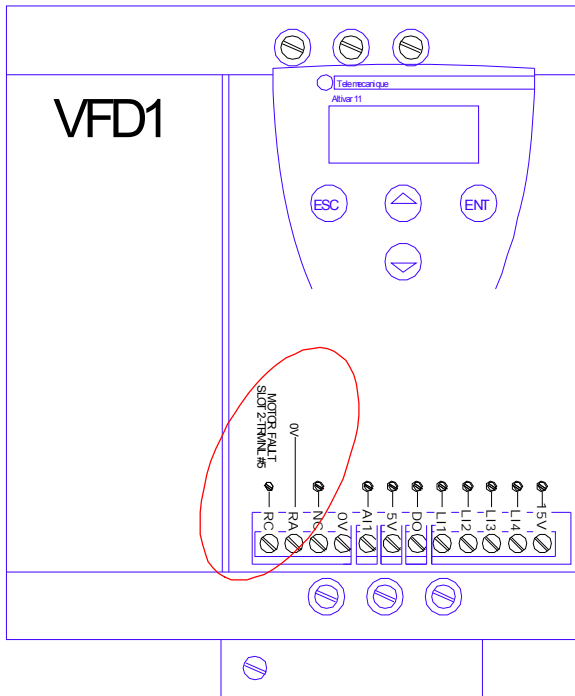


Pic #2: Adhesive Backing

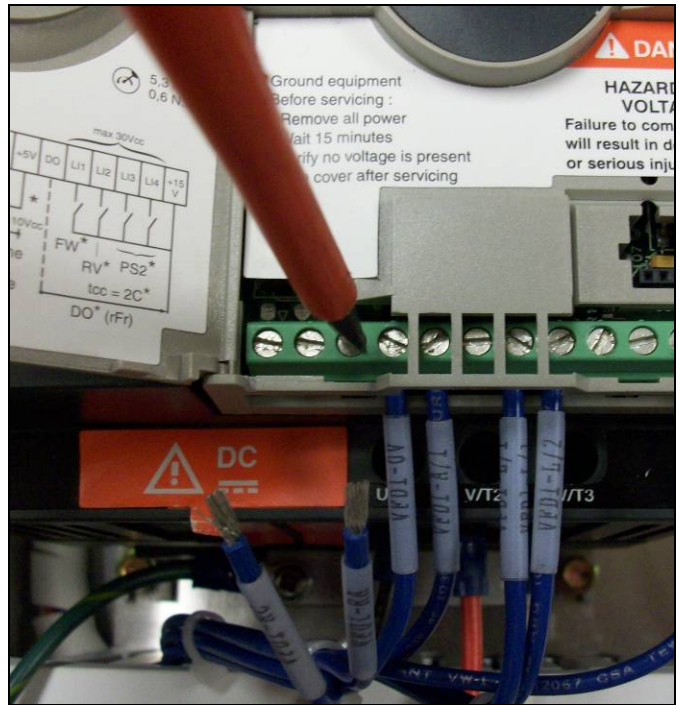


Pic #3: Locate 1" from Edge

- Open the front service door of the VFD and disconnect both “MOTOR FAULT” (RC) and “OV” (RA) wires (see picture #4) from the control terminals RC and RA (see Pictures #5 below).

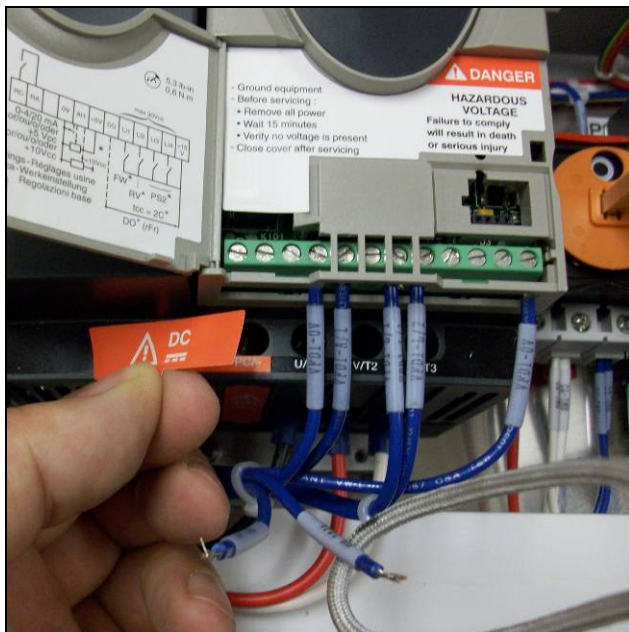


Pic #4: VFD

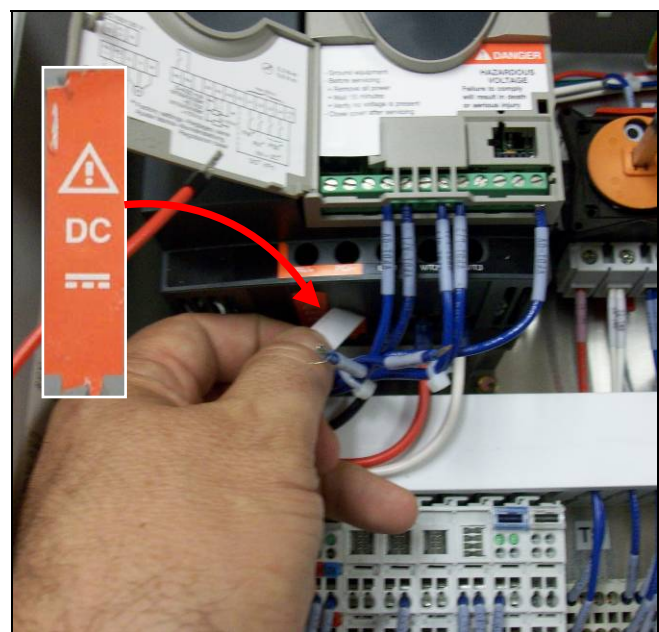


Pic #5: VFD Control Terminals

- Peel the “DC” RED DECAL (see Picture #6) masking the top of the terminals and the two other ones masking the terminal screws (see Picture #7).

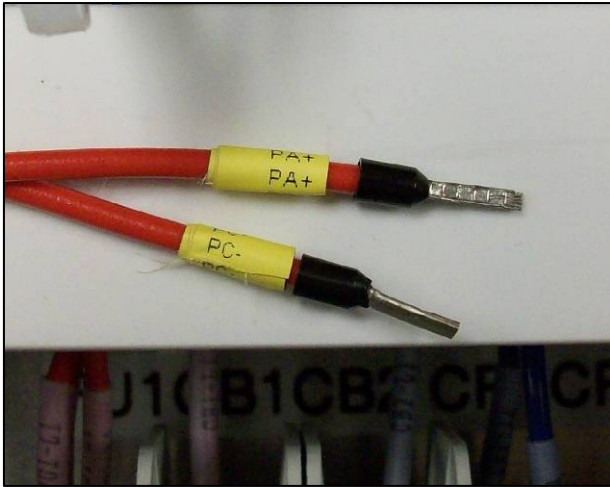


Pic #6: “DC” Decal

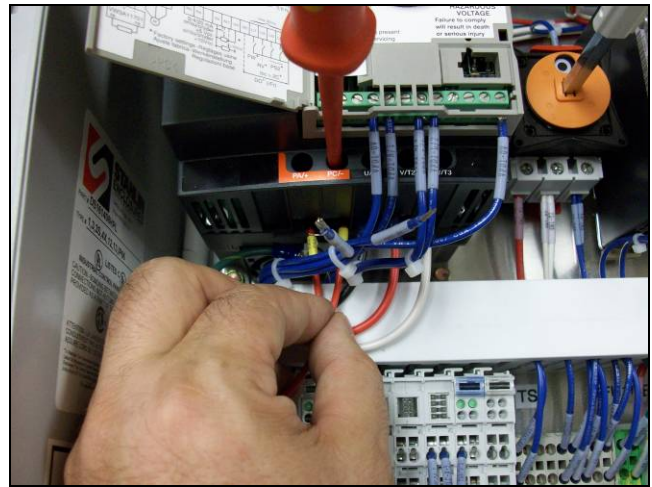


Pic #7: Terminals Screw “DC” Decals

- Pull the two red wires between the breaking module and the wire tray and connect to the **VFD TERMINALS “PA+” and “PC-”** (see Pictures #8 and 9).

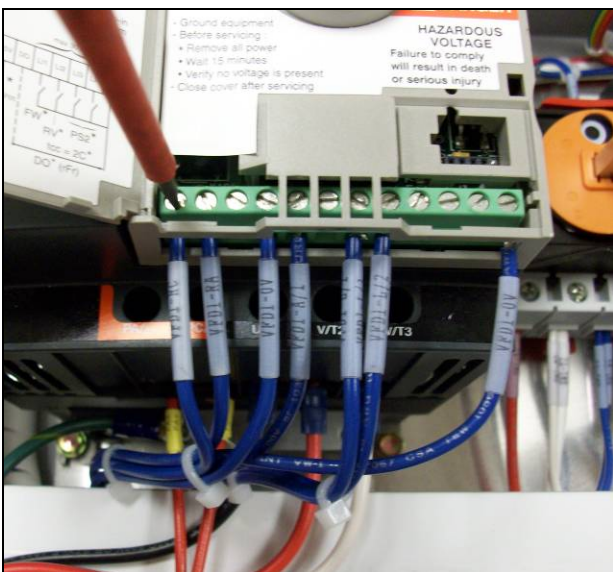


Pic #8: Wire Identifications



Pic #9: Connect Breaking Resistor

- Reconnect the two “MOTOR FAULT” (RC) and “OV” (RA) wires (see picture #10).
- Secure the wires with plastic ties to the motor wires (connected to the VFD outputs) or in the wire tray with the motor wires. Close the box and turn the power ON. Set the arch on **MANUAL** and move the manifold down to about **60” OFF THE FLOOR**. Set the arch on **AUTO** and confirm that the manifold moves up and then down, reacquiring the end limits and finally goes back to the home position. Test a car.



Pic #10: Reconnect Wires



Pic #11: Secure Wires

