

## Technical Instructions TI1108

### Motor Overload Protection in Single-Phase W Series Generation 6 Washers

**CAUTION:** THESE INSTRUCTIONS ARE INTENDED TO ASSIST QUALIFIED, EXPERIENCED SERVICE PERSONNEL ONLY! IMPROPER SERVICING OF MACHINERY MAY RESULT IN HAZARDOUS CONDITIONS, PERSONAL INJURY, OR DAMAGE TO PROPERTY. PERSONS NOT TRAINED, OR PERSONS UNFAMILIAR WITH WASCOMAT LAUNDRY MACHINES, SHOULD REFER SERVICING TO QUALIFIED PERSONNEL.

**ALWAYS DISCONNECT ELECTRICAL POWER BEFORE SERVICING EQUIPMENT!!**

This Technical Information Bulletin applies to Generation 6 single-phase washers employing the following motors:

Motor p/n 438 970037 for W/E630, 60Hz

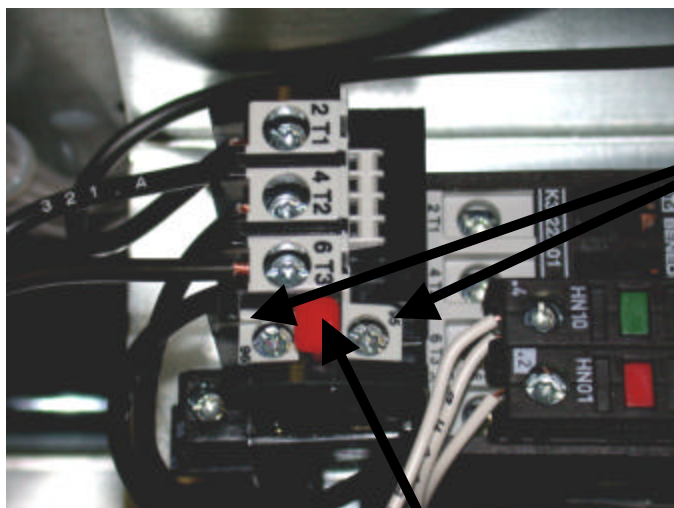
Motor p/n 438 970934 for W/E630, 50Hz

Motor p/n 438 970047 for W/E640, 60Hz

Motor p/n 438 970057 for W/E655, 60Hz

At the next service opportunity, remove the top panel of the washer. Then remove the cover to the motor contactor compartment.

Inspect the “piggyback” overload protector mounted on the extract relay. If wires are already connected to terminals 95 and 96 of the overload protector, replace the motor contactor compartment cover and top panel. No service is required.



Overload Protector  
Terminals 95 & 96

Reset Button

If there are no wires connected to terminals 95 and 96 of the overload protector, you must modify the machine wiring as follows:

1. Locate motor harness Connector X2 on the floor of the motor contactor tray. This is a 9-pin connector with 6 heavy black wires and 2 thinner white wires connected to it. One of the white wires will be either wire #271 for Classic models or wire #2761 for Emerald and Clarus models. Find the correct wire.
2. Trace the wire back far enough from the connector so that you can cut it and have enough slack to connect the cut ends to terminal 95 and 96 of the overload protector.
3. Cut the wire at the point you identified and strip 3/16 inch of insulation from the cut ends.
4. Connect one stripped wire to terminal 95 of the overload protector and the other stripped wire to terminal 96.
5. Press the reset button on the overload protector to be sure that the internal switch is closed connecting terminal 95 to terminal 96.
6. Perform any additional required service. Replace all covers, restore power and test the machine.

Call Wascomat Technical Support at 516-371-0700 for assistance.