

**TI 1099 - TD3030 Control circuit changes**

**MACHINES AFFECTED:** TD3030 from S/N 23300/006128

Starting from serial number 23300/006128, the control circuit on TD3030 dryers has been modified to provide a single version of the machine that meets both Underwriter's Laboratories and Canadian Standards Association standards for safety.

Previously, two different versions of product were produced. In Canada, a 24 Volt ignition system was used with a 230 Volt motor-relay circuit. This CSA Certified product configuration included a step-down transformer for the 24V heating controls, as well as a step-up transformer to provide 230V for the motor-relay coil circuits.

In the United States, both the ignition control and motor-relay coil circuits were 230 Volts, with a step-up transformer providing the Voltage for both from the 120V AC power line.

The drive motors in both of the above configurations are rated for the nominal line Voltage of the machine.

The revised control configuration uses a 120V ignition system, and a 120V motor-relay coil circuit. Although a transformer is still used, in 120V applications it acts as an isolation transformer for the controls (input = output = 120V). In 208-240V gas-heated models, the transformer steps-down the line Voltage to provide the required 120V control-circuit Voltage. In these new configurations, the motor ratings are still the same as the line Voltage to which the machine will be connected.

The revised product configuration uses the following new parts:

Part Number	Description	Replacing
438 963611	Motor relay (120V coil)	767 511109
487 143825	Ignition control (120V)	487 143822
487 171449	Top pocket gas valve assembly (120V, w/o ignition control)	see parts manual
487 171450	Bottom pocket gas valve assembly (120V, w/o ignition control)	see parts manual
487 028932	Transformer, 120V machines	487 181883
487 028931	Transformer, 208-240V machines	487 181882
487 197698	Main circuit board (process module)	487 197369

Note that these new items cannot be used in machines earlier than serial number 23300/006128.

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

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