DRYER	R TROUBLESHOOTING
PROBLEM	WHAT TO LOOK FOR
Motor runs but drum does not operate	Broken or loose belt Loose motor, idler pulley, or spring
Drum operates but is noisy	Drum out of shape Worn idler pulley Belt squeaking or frayed Motor (bearing), motor pulley loose, blower Drum seals worn
Motor will not stop	Incorrect wiring Grounded motor or wiring Grounded heat element Faulty timer Open timer resistor
Motor does not start	Blown fuse Timer or motor inoperative Housing wifing not properly connected to dryer Inoperative door switch Faulty "Push to Start" switch
Slow drying- improper drying	Blocked or plugged lint collector, blower housing or vent pipe Vent pipe too long Clothes too wet when put in dryer Dryer is overloaded Drum set is worn or out of position Door gasket not sealing correctly Control or safety thermostats inoperative House voltage fluctuating or low
Clothes not drying on auto- dry setting	Customer selected wrong timer setting Inoperative resistor Inoperative control thermostat Inoperative heating element
Drum turns but heat does not come on	Inoperative heating element Inoperative timer Loose terminals-tighten connections Inoperative control or safety thermostat Inoperative motor switch Broken wife in wiring harness
Element burns out frequently	Worn drum seals. Replace Connections not tight at element terminals Reduced air flow. Check for proper installation & maintenance of duct work. (See Installation Instructions)

CAUTION: TO SERVICE MACHINE, POWER MUST BE DISCONNECTED!

ELECTRICALLY GROUNDED THIS MACHINE MUST BE

It can be grounded thru the ground lead in the method must comply with any local electrical established ground. In all cases, the grounding No. 12 or larger wire from the cabinet to an grounded appliance outlet or thru a separate 4-prong power cord, if plugged into a properly code requirements.

IMPORTANT - RECONNECT ALL GROUNDING DEVICES

BE RETURNED TO THEIR ORIGINAL OF CONDUCTING ELECTRICAL CURRENT POSITION AND PROPERLY FASTENED. ARE REMOVED FOR SERVICE, THEY MUST USED TO COMPLETE A PATH TO GROUND SCREWS, STRAPS, NUTS OR WASHERS ALL PARTS OF THIS APPLIANCE CAPABLE ARE GROUNDED. IF GROUNDING WIRES,

OPERATION - DRYER

of the drying cycle is controlled by the number of then is drawn through the tumbling clothes, picking up moisture and lint. Lint is filtered out as the air selected (automatic dry cycle). electronic moisture sensor, for the type of fabric controlled by the timer, in conjunction with the minutes selected on the timer, or automatically the setting of the fabric selector switch. The length controlled by the biased thermostat according to discharged out the vent. The air temperature is passes from the drum into the blower where it is combustion chamber and over the burner flame. It heater. On gas model dryers, air is drawn into the housing and across the open coils of the electric On electric model dryers, air is drawn into the heater

lint. Place clothes in dryer and close door. (Dryer will not operate unless door is closed.) be certain that the screen is completely free of all To operate the dryer, first check the lint screen and

- Select the drying time, or automatic drying
- cycle, by turning timer knob to the right. Set drying temperature using timer for the type
- To start the dryer, turn the start knob to the right and hold for 2 seconds of fabric being dried.

DRUM SPEED

viewed from the front 48-54 RPM in a counterclockwise direction as

RESISTORS

wiring diagram. timer or selector switches. Refer to the applicable amounts of heat. Resistors are connected to the causes the thermostat heater to generate varying The resistor, located in the thermostat heater circuit

diagram. A bad resistor will give improper drying resistor values are marked on the schematic wiring Resistors are checked with an ohm meter and

CONTROL THERMOSTAT

blower housing. The thermostat and bias heater are located on the

CHECKING THE CONTROL THERMOSTAT

diagram. Use an ohm meter to check the Determine the interior wiring by referring to the wiring Remove harness wires from the thermostat

 Remove the exhaust venting from the rear of reading at least 300° F.) in rear of exhaust pipe. dryer. Place a thermometer (pocket type

line and extend three inches below the top of If dryer is installed between cabinets, making opening. one inch to the right of lint screen opening center trap opening. Thermocouple shall be located checked by placing a thermocouple in the lint rear access difficult, the temperature can be

- Set timer for 30 minutes, or long enough to permit cycling of thermostat.
- Allow thermostat to cycle 3 or 4 times.
- ω 4. Check temperature immediately after the third conform to those listed in the Temperature (depending on the temperature setting) should or fourth cycle of thermostat. The temperatures
- ATEXHAUST DUCT OR LINT TRAP NO LOAD

TRIP TEMP

145-190° F.

MEDIUM 2-10° F. lower than high heat 2-10° F. lower than medium heat

NOTE: LONG EXTENDED VENTS AFFECT DRUM TEMPERATURES.

HI-LIMIT THERMOSTAT

air blockage occur, raising the heater housing housing. Should the control thermostat fail or an gas., the hi-limit thermostat opens the circuit to temperature to 260° F. on electric or 240° F. on and heat source, is mounted to the top of the heater switch wired in series with the control thermostat The hi-limit thermostat, single-pole, single throw

> cool down to 190° F. the heat source and allows the heater housing to

and run on HIGH heat with the exhaust duct completely blocked. The hi-limit thermostat MUST open within three minutes. for stuck contacts in the thermostat, start the dryer To check the thermostat, remove drum. To check

good thermostat at room temperature. for continuity. You should have continuity through a harness wires from the thermostat terminals. Test To check for an open thermostat, remove the

SAFETY THERMOSTAT

GAS MODELS. The purpose of the safety thermostat is to shut down the dryer if the control motor for ELECTRIC MODELS and the burner for The safety thermostat is wired in series with the

HEATER ASSEMBLY (ELECTRIC ONLY)

replaced. The condition that caused it to open must the safety thermostat has opened, it must be thermostat and hi-limit thermostat fail to open. Once

behind the drum. Perforations in the drum back allow be corrected. The heater assembly (208/240 volts) is located

support plate with ceramic stand offs. continuous coil of resistance wire attached to a metal The heater is an open coil type heater made from a heated air to be drawn into the drum.

Heater Assembly Testing:

- Disconnect Laundry Center from electrical
- Remove leads to the heater element
- 4. Connect ohmmeter across heater element
- Check each terminal to ground.
- 6. 5 If open or grounded, replace heater element
- To Remove or Replace Heating Element: Disconnect Laundry Center from electrical
- Remove drum.
- limit thermostat, and ceramic insulator. Disconnect wires from safety thermostat, hi-
- 4. Remove four screws securing heating element assembly to rear panel and remove assembly
- Install new heating element.
- Reverse procedure to reassemble

IGNITOR

heat and opens its contacts. side of the burner tube) detectes this high radiant approximately 1800 F, the sensor (mounted on the The ignitor is a silicon thermistor. When it attains

> This energizes the secondary solenoid valve coil sequence occurs within and impinge upon the hot glowing ignitor. The total allowing gas to flow through the gas valve orifice

support 15 to 90 seconds. The igniter is mounted to the burner at an angle with the silicon carbide stem HANDLE WITH CARE by using the ignitor's insulated and susceptible to contamination from skin oils extended into the flame area. The stem is very fragile

To test the ignitor:

- Remove the dryer access panel and safety cover. Disconnect Laundry Center from electrical supply
- Disconnect plug connector from ignitor-to-coil
- 4. Check resistance value of ignitor. It should be approximately 50 to 800 Ohms depending on the room temperature.
- To replace ignitor:
- Disconnect Laundry Center from electrical supply
- Remove burner tube from burner assembly. Remove burner assembly.
- 4. Remove the 1/4" hex head screw and washer
- securing ignitor to its mounting bracket.

DOOR SWITCH

Reverse procedure to reinstall.

open the circuit to the motor and the external switch in the motor will open the circuit to the heat source. Whenever the door is opened, the door switch will

CHECKING THE MOTOR

automatic reset overload protector. The drive motor is 1/4 H.P., 1725 RPM with

- 1. Disconnect electrical current and remove ventilation panel. Remove harness wires from
- Operate motor by connecting a properly fused service cord to terminals 4 and 5. The motor
- 3. If motor runs, problem is open circuits in the dryer should start and run.

electrical or control system. If motor does

not

- 4. When motor runs and the problem is NO HEAT, the switch button out (run position). check continuity between terminals 1 and 2 with run, check the centrifugal switch.
- No continuity shows the switch is inoperative

DRYER DRIVE BELT

- To Remove or Replace Dryer Drive Belt:
- 2. Remove front panel and air duct assembly. Disconnect Laundry Center from electrical supply
- 3. Disconnect belt from idler pulley and motor pulley.
- 4. Remove belt from dryer drum.
- 6. Reverse procedure to reassemble

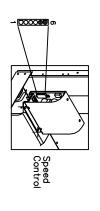
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24 B DRAIN PUMP B BUZZER STEP TIME (MIN.) CODE E SOLENOID 1 MACHINE POWER TM DIRECT DETENT WASH LAMP SOLENOID 2 CIRCUIT CODE D CODE B CODE A STEP NO. - 3.0
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Motor Will Not Run

- CHECK FOR POWER:
 Advance the timer knob to the increment. If the drain pump check household safety circuit. pump runs go to step 2. ne drain does not run, t. If the drain
- 2. CHECK FOR MOTOR MOYEMENT:

 Turn the water off to the washer. Remove electrical power from the washer and remove the back panel. Remove the motor drive belt: Reconnect electrical power and set the timer to the start of the Regular wash cycle and pull the knob out. If motor does not rotate, check for a poor connection in the timer line switch or door lock switch. If good, and motoboes not run go to step 3.
- MEASURE VOLTAGES:

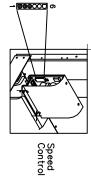
 MEASURE TO THE SPEED FOR THE SPEED FOR



- **⊸**[ეეეე Speed Control
- MEASURE RESISTANCES: Check the fuse on the speed control board. If the fuse is open, replace the speed control board. If good, go to step 6.
- Remove the 6 pin plug from the speed control unit. Measure the resistance between pins 1 and 2, 2 and 3, and 3 and 1 of the speed control unit. If the meter reads other than 3 Meg ohms ± 10%, replace the speed control board.

6

4. Set the timer to the Hegvy Wash position of the Regular wash cycle. Remove the ten plus from the speed control unit. Measure the voltage between pins 1, 2, 11, and 10 on the harmes. The woltage at pins 2, 6 mid on the harmes. The woltage at pins 2, 6 mid on 1,0 should read 120 Voc and 0, voc at pin 1, 1, 1, and 76 to 78 for closed contacts. In the woltage readings are correct, go to step 5. .7



	10.00	M OTOR		DISPENSER VA	PUMP MOTOR	TIMER MOTOR	DOOR LOCK SOLENOID	WATER VALVE SOLENOIDS	ELECTRICAL	COM
M5 TO M6	M1 TO M3	M2 TO M3	M1 TO M2	DISPENSER VALVE SOLENOIDS			OLENOID	SOLENOIDS	ELECTRICAL COMPONENT	COMPONENT RESISTANCE TABLE
184 ±7%	2.6 ±7%	2.6 ±7%	2.6 ±7%	1100 ±7%	15 ±7%	2425 ±6%	1325 ±6%	880 ±10%	RESISTANCE Q © 77'F (25°C)	NICE TABLE

Remove electrical power from the washer. With an chmmeter check the resistance between pins 1 and 2, 2 and 3, and 3 and of the six pin plug on the harmess. If the meter reads other than 2.6 ohms \pm 7%, replace the motor.

The timer motor will not run continuously. The speed control unit controls the timer motor and advances the timer when needed. In some tumble modes, the tub may not tumble for the first 16 to 20 seconds after

Quick Facts

Extremely low Water pressure may cause tub rotation to stop until WLC satisfied.

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HE WIRING HARNESS.	CCOMPLISHED THROUGH	ENOTES BUSSED CIRCUITS	UMMY TERMINAL	OTTOM TERMINAL	AM TERMINAL	OP TERMINAL	ITERNAL TIMER BUSSING	ASHED LINES INDICATE	
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