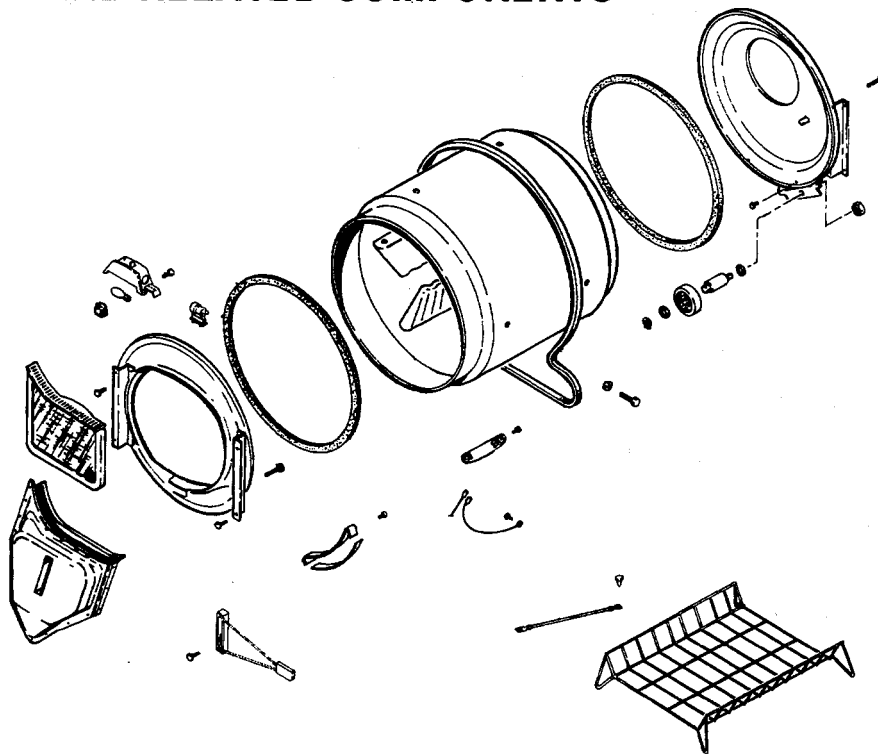


## TUMBLER AND RELATED COMPONENTS



### Interior Light (120V - 7 Watt)

The drum light is at the upper center of the tumbler opening. It is wired in series with the door switch so that the light comes on, illuminating the drum, only when the door is open.

### Light Replacement

1. Disconnect power supply.
2. Open door.
3. Unscrew bulb.

### Light Receptacle

1. Disconnect power supply.
2. Remove screws from Front Panel and swing panel aside.
3. Remove wires.

4. Remove nut from left hand mounting tab.
5. Pull up on receptacle to disengage from tumbler front.

### Dryness Sensor

#### To remove the dryness sensor:

1. Disconnect power supply.
2. Remove the front panel.
3. Remove the two screws securing the dryness sensor to the bulkhead.
4. Remove wires going to the dryness sensor.

#### To check the dryness sensor:

#### CAUTION

Always disconnect power supply before making continuity or resistance checks.

1. Disconnect power supply.
2. Remove the two screws securing the dryness sensor to the bulkhead.
3. Remove both wires going to the sensor bars.
4. Check for continuity across the sensors. Attach meter across the terminal on each sensor. If you have continuity, replace dryness sensor.
5. Check for circuit to ground from either sensor bar. Replace both wire connectors on the spade terminals. Place one meter lead on the sensor bar inside the drum and place the other meter lead on cabinet ground. If you have continuity, check to make sure the wire connectors are not making contact with the front bulkhead. The insulated wire connector going to the terminal closest to the bulkhead.

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### **Tumbler Front**

The tumbler front holds the front of the tumbler in the correct position and provides the bearing surfaces for the tumbler to ride on.

1. Disconnect power supply.
2. Remove front panel.
3. Remove four screws holding tumbler front to cabinet.
4. Remove screw holding ground wire to cabinet.
5. Disconnect wires from retainer.
6. Pull tumbler front out and away from tumbler.

**Note:** Two tabs on each side of the tumbler front fit into notches in the front of the cabinet. These must be disengaged to remove tumbler front.

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### **Lint Filter Switch (9904 Models)**

The lint filter switch produces a "Check Filter" warning in the dryer's display if the lint filter is not removed and replaced after the dryer goes into cool-down at the end of a cycle or at the end of Air Fluff. Leaving the filter out will also activate the warning. The switch is a reed switch mounted on the outlet duct assembly and connected to the microprocessor board through edgeboard connector CC (refer to schematic). Its contacts are closed by a magnet that is staked to one side of the lint filter. The contacts are closed by a magnet that is staked to one side of the lint filter. The contacts are closed when the lint filter is inserted into place in the outlet duct assembly. When the lint filter is removed the contacts will open.

**Note:** The switch does not prevent the dryer from operating, its function is to produce a warning to make operator aware of the necessity for cleaning the lint filter.

#### **To remove lint filter switch:**

1. Disconnect power supply.
2. Remove the front panel.
3. Separate the plastic wire connector by pulling apart.
4. Remove the two screws that secure the switch to the outlet duct assembly.

### To check the lint filter switch:

#### CAUTION

Always disconnect power supply before making continuity or resistance checks.

1. Separate plastic connector by pulling apart.
2. Check for continuity. Attach meter across wire BR and BR on switch side of plastic connector. Remove and replace lint filter to check for opening and closing of the switch's contacts.

### Voltage check for lint filter switch:

#### CAUTION

Always disconnect power supply before making continuity or resistance checks.

1. Separate connector by pulling apart
2. Attach meter leads to the wire connectors on the wire harness side of the connector, BR to BR.
3. 24 VDC should be seen across the wire connectors. Voltage value may vary slightly.

### Complete Outlet Duct

The outer half of the outlet duct is held to the front of the tumbler front.

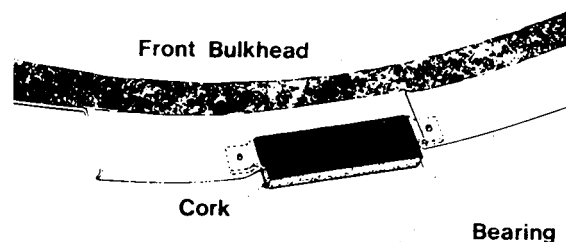
1. Disconnect power supply.
2. Remove front panel.

3. Remove screws from inside tumbler front and one on the support bracket.
4. Remove front bulkhead.
5. Remove outlet duct.

### Tumbler Front Bearing and Pads

At the bottom inside of the tumbler front are two poly-teflon bearings which rest on cork pads. These bearings are to provide a surface for the front of the tumbler to ride on. If it is necessary to replace a front bearing, remove the tumbler front, drill out old rivets and rivet new bearings on. In positioning the bearing and pad, the projections on both should face the tumbler. This allows the bearing to stick out beyond the metal of the tumbler front.

**Note:** Two tabs on each side of the tumbler front fit into notches in



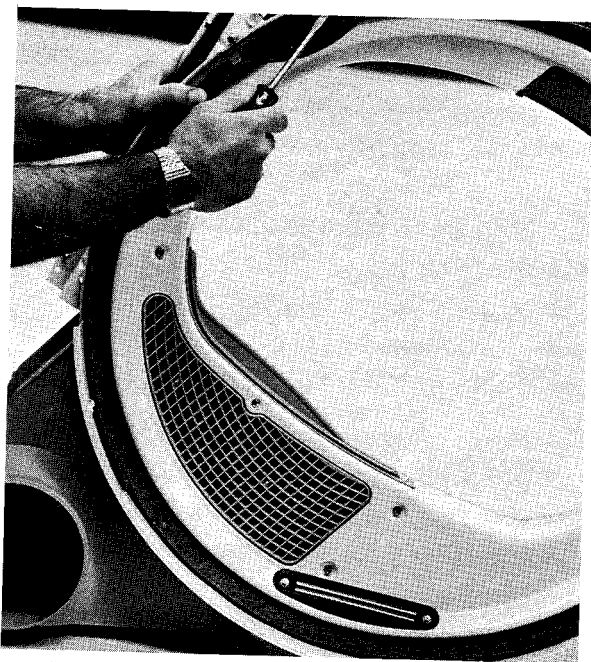
the front of the cabinet. These must be disengaged to remove tumbler.

## Tumbler Front Seal

The seal fits around the back circumference of the tumbler front. It is a natural felt seal which is doubled over for self-adjusting tension. The surface which comes in contact with the revolving tumbler, is coated with a layer of Teflon to provide a slick durable wear surface.

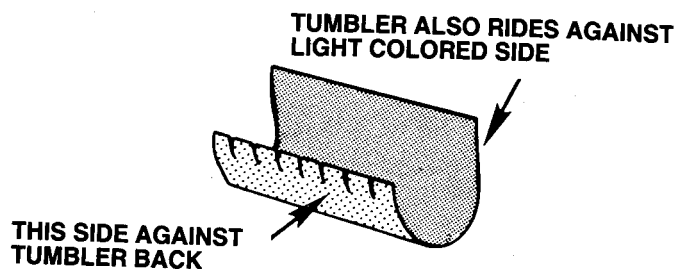
The seal is held in position by formed locking tabs.

1. Disconnect power supply.
2. Remove tumbler front.
3. Remove the old seal by prying the locking tabs out with a regular screwdriver.



The Teflon coated side (which is the lighter of the two colors) goes against the tumbler. The seal is then looped in a "U" shape so the slot edge of the lighter colored side is to the tumbler front. Rubber adhesive is used to hold the seal.

Bend tabs back over seal with a pair of pliers.

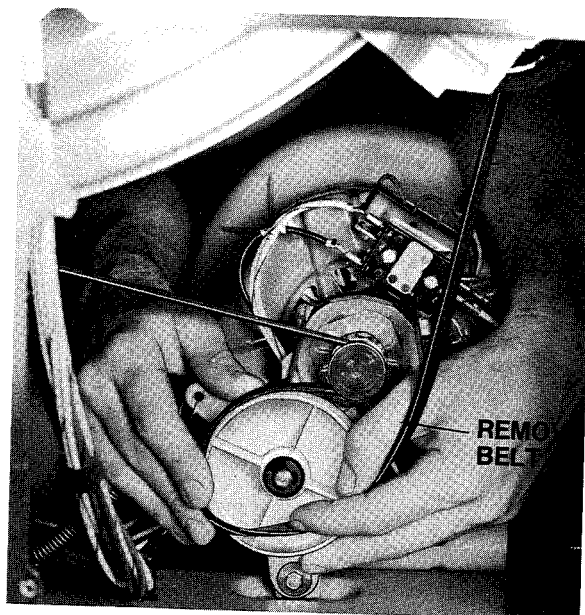


## Tumbler and Belt

The tumbler is a round cylinder with no permanently attached front or back. Tumbler speed is 47 RPM. It is designed so there is no front or back. Installation can be made without regard to which way it came out of a dryer.

To Remove Tumbler and Drive Belt:

1. Disconnect power supply.
2. Remove front panel.
3. Remove tumbler front.
4. Reach under tumbler and remove drive belt from motor and idler pulleys.

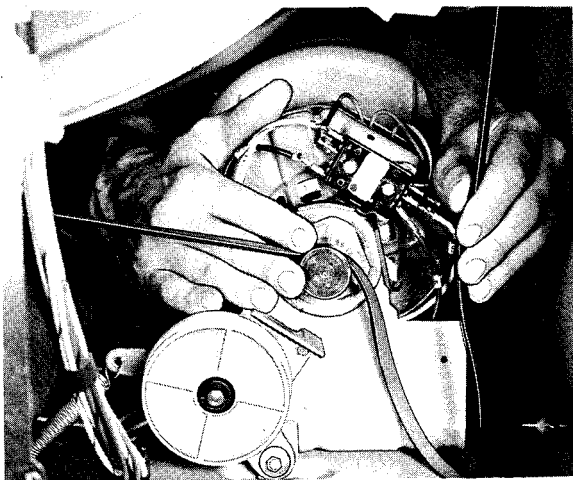


5. Slip belt off tumbler.
6. Pull tumbler out of cabinet.

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### Installing Drive Belt

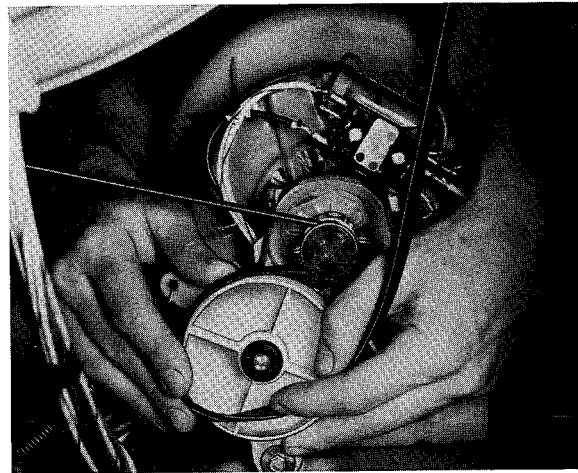
1. Disconnect power supply.
2. Install tumbler.
3. Place belt over the top of the dryer tumbler with the smooth side against the tumbler and position it about 1 1/2" in front of the back screws which hold the clothes lifters. In order to get the belt between the bottom of the tumbler and the blower, it will be necessary to lift up on the tumbler.
4. The best position to take while installing the belt is to sit on the floor facing and as close to the dryer as possible. Place your left arm along the left side of the tumbler and your right arm along the bottom of the tumbler (as close to the blower as possible).



5. With the right hand, loop the belt over the top of the motor pulley

making certain the grooves of the belt are against the pulley and that the belt is properly seated into the pulley.

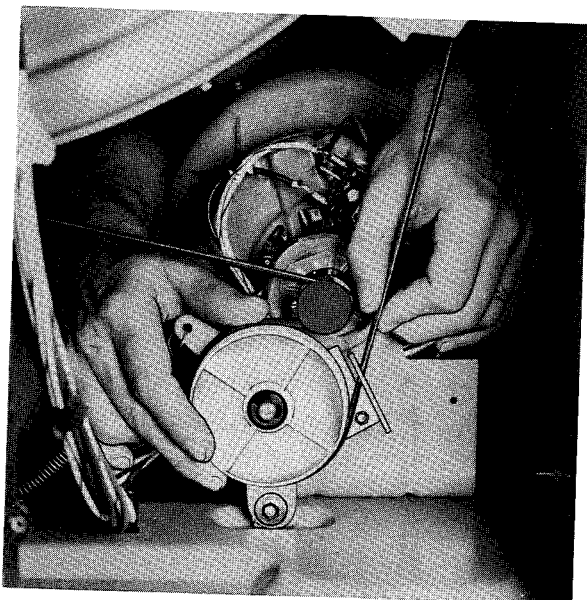
6. With the left hand, loop the belt under the motor pulley.



7. With the right hand, position the belt over the top of the idler pulley and begin to work it around the circumference of the idler pulley while pushing the pulley up and to the left.

**Note:** It is neither necessary nor advantageous to push extremely hard on the pulley. This tends to put the idler pulley and motor pulley in a bind and also puts a strain on the installer so he cannot work efficiently with his hands to complete the belt installation.

8. Once the belt is almost around the entire circumference of the idler pulley, use the left hand to push the belt over the bottom of the idler pulley while at the same time making certain that the belt is between the idler pulley and the belt guide.



9. With the belt completely installed, feel with both hands to see that it is properly positioned in the motor pulley and in the approximate middle of the idler pulley. When you have determined by feeling that it is installed correctly, lift up and push back while slowly turning the tumbler one or two revolutions in a clockwise direction to allow the belt to properly align itself.

### Clothes Lifter

There are three tumbler clothes lifters used to aid in tumbling the clothes. Two of the lifters are 1" higher than the other. Location makes no difference.

1. Disconnect power supply.
2. Remove front panel.
3. Remove two screws holding each lifter to the tumbler.

For ease in replacing a clothes lifter you will find a locating tab on the underside of the lifter. Pilot holes are

also found in the tumbler. When the clothes lifter is installed, the tab is inserted into the slot in the tumbler. This correctly aligns the screw holes in the lifter with those in the tumbler.

### Roller and Bearing Assembly

The tumbler roller consists of a rubber tire bonded to a plastic hub.

There are two roller and bearing assemblies attached to the tumbler rear. Normally the rollers will run slightly behind the drum radius. If the rollers are riding up on the tumbler radius, check for bent rear roller brackets. If a bracket is bent, replace tumbler rear.

1. Disconnect power supply.
2. Remove front panel.
3. Remove tumbler front.
4. Remove tumbler.
5. Remove retaining ring from groove in shaft.
6. Remove fiber washer.
7. Remove roller.
8. To remove roller shaft remove nut on back.

**Note:** There is a spacer washer behind the roller. When replacing parts be certain the order of the replacement is correct.

