



## TECHNICAL INFORMATION

### TI-1082

#### HORIZONTAL ADJUSTMENT OF GAP BETWEEN DRUM RIM AND FRONT PANEL ON TD30, TD50 AND TD75 TUMBLE DRYERS.

**MACHINES AFFECTED:** All TD30, TD50 and TD75 dryers

**PARTS REQUIRED:** Stainless, galvanized or aluminum sheet metal shims

**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.

Under certain shipping conditions, where machines experience considerable shock, it is possible for the horizontal drum position on the subject models to become misaligned. This may result in complaints of items becoming caught in the gap between the drum and the front panel, and in complaints of scraping sounds in instances where the felt gasket between the surfaces has worn away due to friction.

The drum is supported by two bearings at the rear of the dryer. The front bearing's outer race is fixed in position, and its inner race is free to align itself with the drum shaft. The rearmost bearing is held in place by a cover plate, and supported by a "bearing bridge". The bridge is mounted to vertical flanges on the dryer using eight machine bolts. Slots in the flanges, through which these machine bolts pass, provide clearance for vertical adjustment of the drum. Horizontal adjustment is accomplished by placing shims between the bearing bridge and the flanges.

#### INSTRUCTIONS

1. Turn off electrical power to the dryer. Remove the rear panels.
2. Remove the drive belt(s) from the drum pulley.
3. Open the loading door and carefully insert a wedge into the gap between the cylinder and front panel flange at the 12 o'clock position (top of the opening), as shown in figure 1. Use care to avoid damaging the felt gasket between the drum and front panel flange.
4. At the back of the machine, loosen **ONLY FOUR** of the machine bolts that secure the bearing bridge to the vertical frame flanges. The four bolts to be loosened are those on the **SAME** side of the machine as the **UNDERSIZED** gap



Figure 1 - Insert a wedge

between the drum and front panel flange. That is, if the undersized gap is at the left side of the dryer door opening when you are looking into the drum from the front, then go to the rear of the dryer and loosen the four bolts at the right end of the bearing bridge (as seen when you are looking at the bridge from behind the dryer).

Figure 2 - Loosen  
**FOUR BOLTS** on ONE  
SIDE or the other!!

Loosen four bolts at this end of bearing bridge if gap at front is smaller on the RIGHT side of door opening when viewed from the front



Vertical frame flange

Loosen four bolts at this end of bearing bridge if gap at front is smaller on the LEFT side of door opening when viewed from the front

Bearing bridge

5. Insert shims (Figure 3) between the bearing bridge and the vertical flange, then re-tighten the four bolts loosened in step 4. It is recommended that the bolts closest to the front of the dryer be shimmed slightly more than those closest to the rear.
6. Gently remove the wedge from the top of the door opening and check the gap between the door opening flange and the cylinder. The gap should be even on the sides of the door opening and larger at the top than at the bottom (with no load in the drum). Verify that the drum rotates freely, and check that the felt gasket in the gap is in good condition. Remove the front panel and replace the felt if necessary. Clean the panel of all existing felt material and use a good-quality, high temperature adhesive to secure the replacement felt in place.
7. Replace the drive belt(s) and rear panels, and return the dryer to service.



Contact Wascomat's Service Department at 516-371-0700 if you have questions regarding this or any service procedure on Wascomat machines.

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