

# BEARING REPLACEMENT

## Large Chassis Bearing Replacement Procedure

This presentation will guide you through the steps of replacing the bearings on a Dexter large chassis washer.



# BEARING REPLACEMENT

This procedure applies to all Dexter large chassis pedestal style bases.



# TOOLS NEEDED FOR BEARING REPLACEMENT:

**Dexter tool "trailer hitch"**

**- Part number 8545-056-001**

**(5 – 6) Vise Grip (#11R) welding clamps.**

**Cylinder Puller (Snap On part #CJ-84-C)**

**(1) tube of Silicone / Adhesive (caulk gun)**

**(1) tube of silicone grease**

**(12 – 15) 5/8 Washers**

**(1) 3"inch 5/8 NC nut**

**(1) 2"inch 5/8 NC nut**

**(3) 2"inch 3/8 x 16 nuts**

**Rubber Mallet**

**(Dexter Recommended Option)**

**9732-219-007 Housing, bearings and seal kit**



# TOOLS NEEDED FOR BEARING REPLACEMENT:

**Step 1:**  
Remove the top panel.

**Step 2:**  
Remove front panel.

**Step 3:**  
Remove lower service panel.

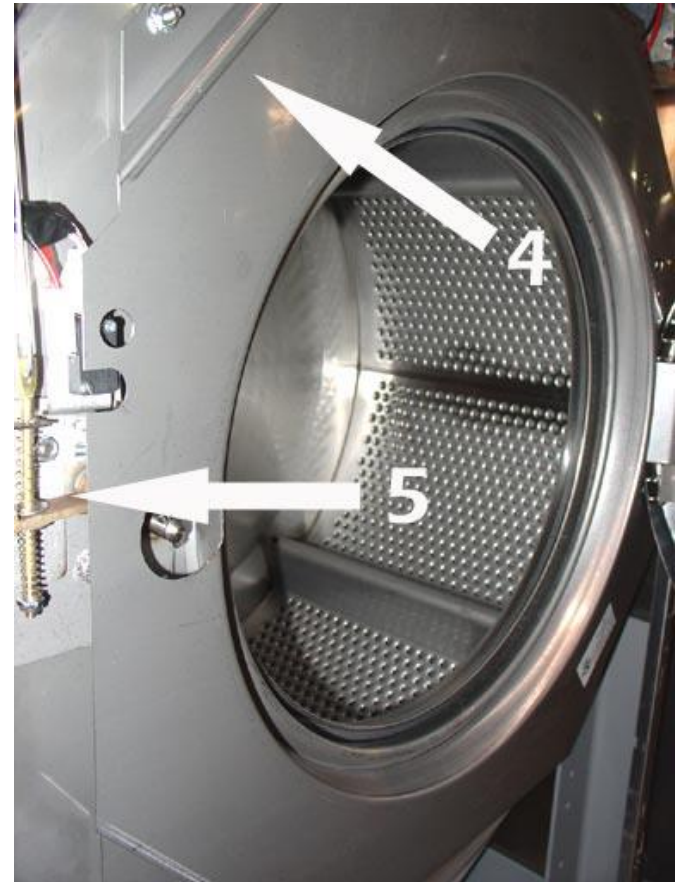
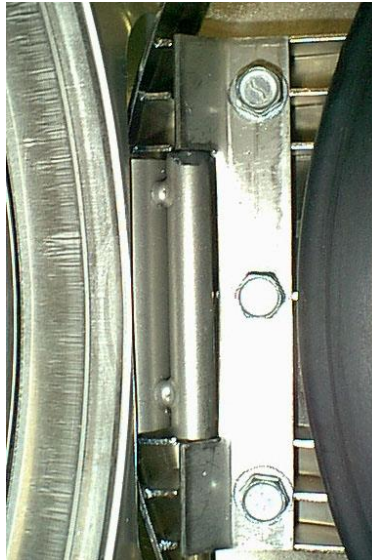


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**Step 4:**  
Remove masking ring.

**Step 5:**  
Remove door lock assembly.  
(Leave wires & pull rod in place)

**Step 6:**  
Remove clothes door.



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**Step 7:**  
**Remove tub front clamp ring.**

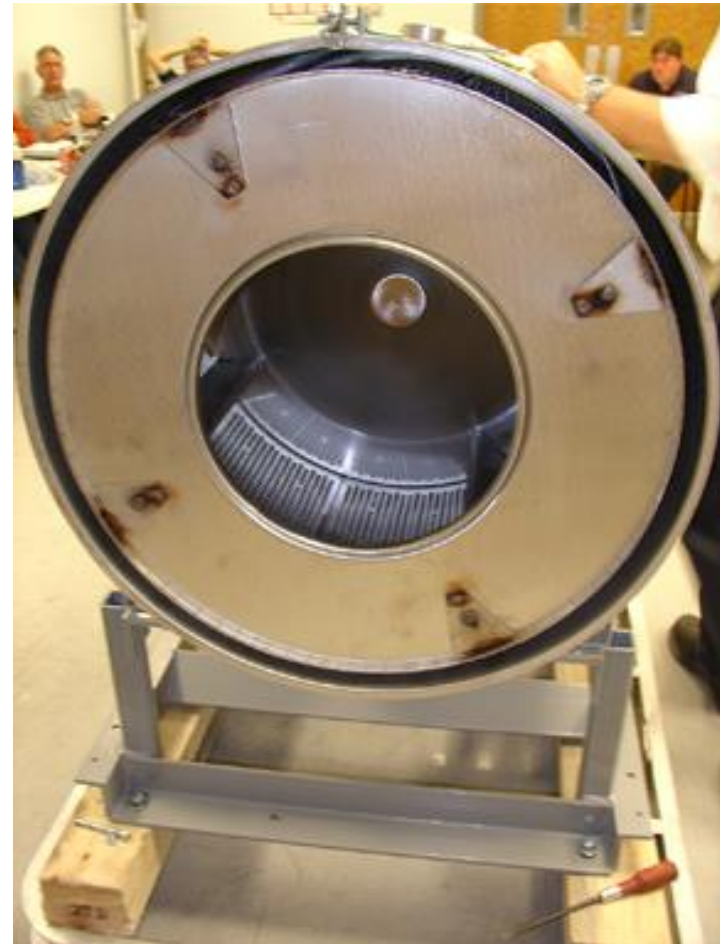


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**Step 8:**  
**Remove tub front.**

**Use a flat screw driver and a utility knife to pry the tub front loose from the silicone seal.**

**NOTE: Using a sharpie marker make 3-4 timing marks to use to realign the tub front on re-installation.**



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**Step 9:**  
Remove the rear access panel.

**Step 10:**  
Remove the drive belts.





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## Step 11:

Remove drive pulley.

Remove the 3 retaining screws.

Insert (3) 3/8 16 x 2" screws into the threaded removal holes.

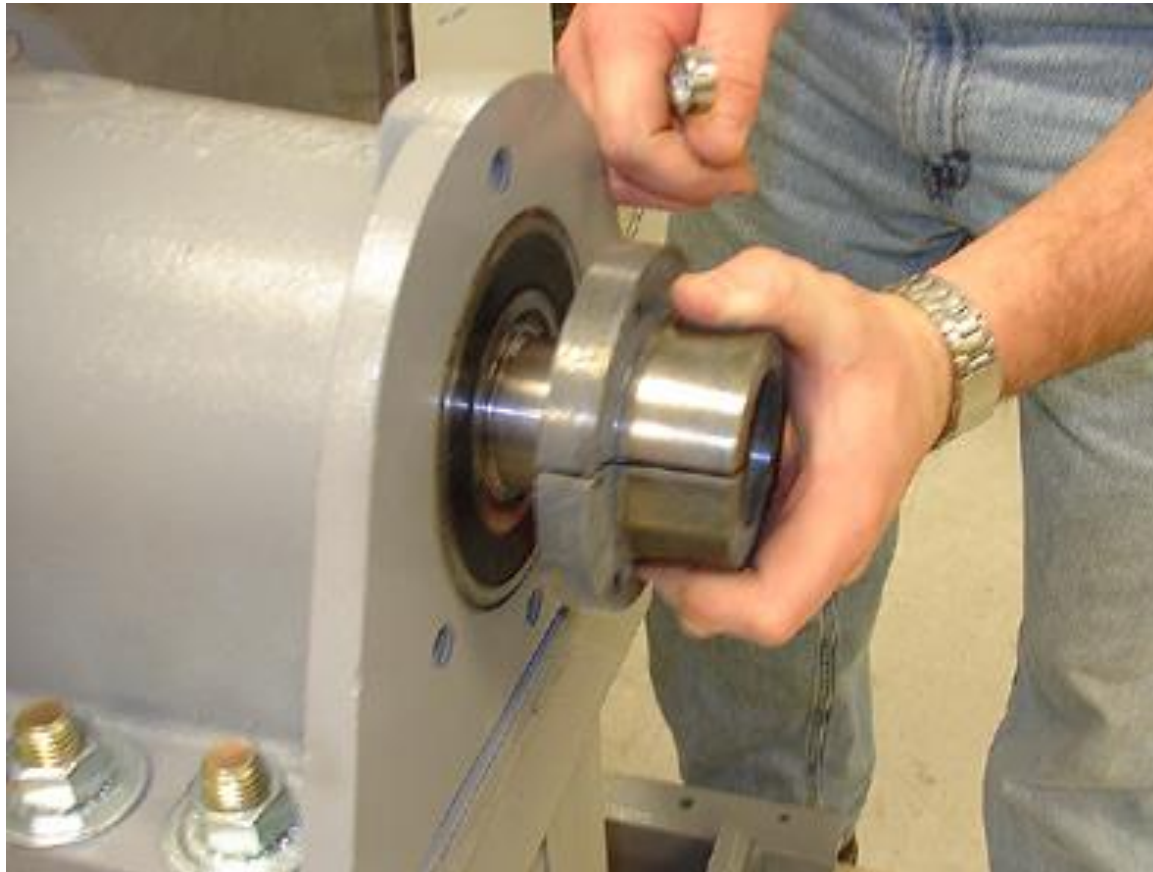
Alternately tighten these screws evenly to pull the pulley off.



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## Step 12:

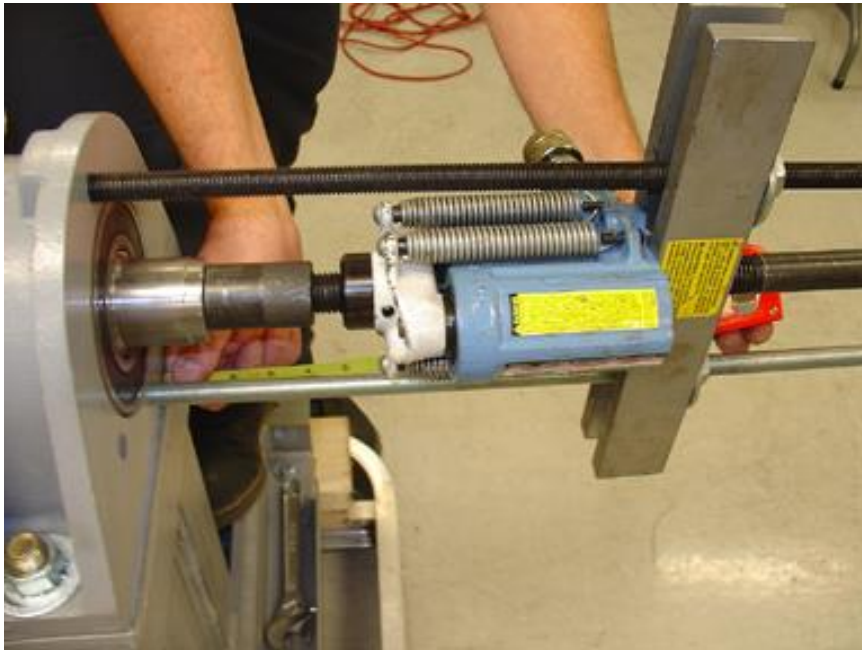
**Remove pulley hub by driving a flat screw driver into the slot in the hub and pull it from the shaft.**



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## Step 13:

**Install cylinder puller. Make sure the 5/8 – 11 NC threaded rods are all the way to the bottom of the holes and square up the puller with the housing. Be sure to thread a 5/8 – 11 NC bolt into the end of the cylinder shaft to protect the threads. Push the basket out.**



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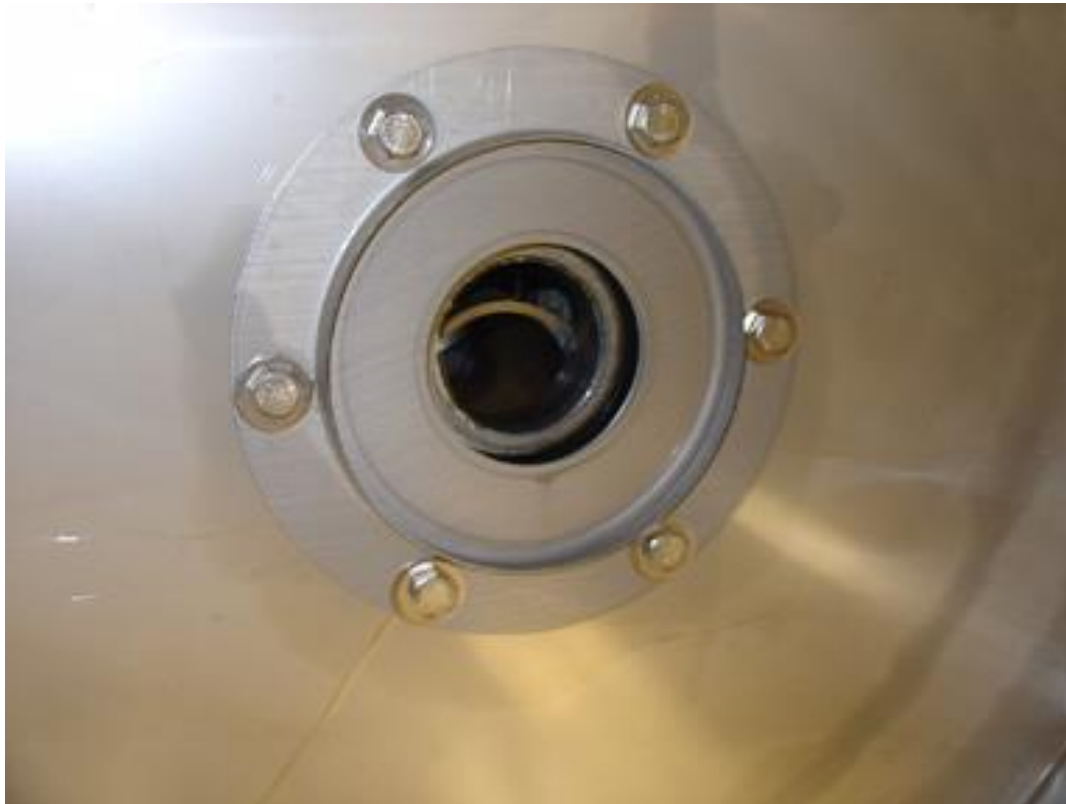
**Step 14:**  
**Remove cylinder basket from washer.**



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## Step 15:

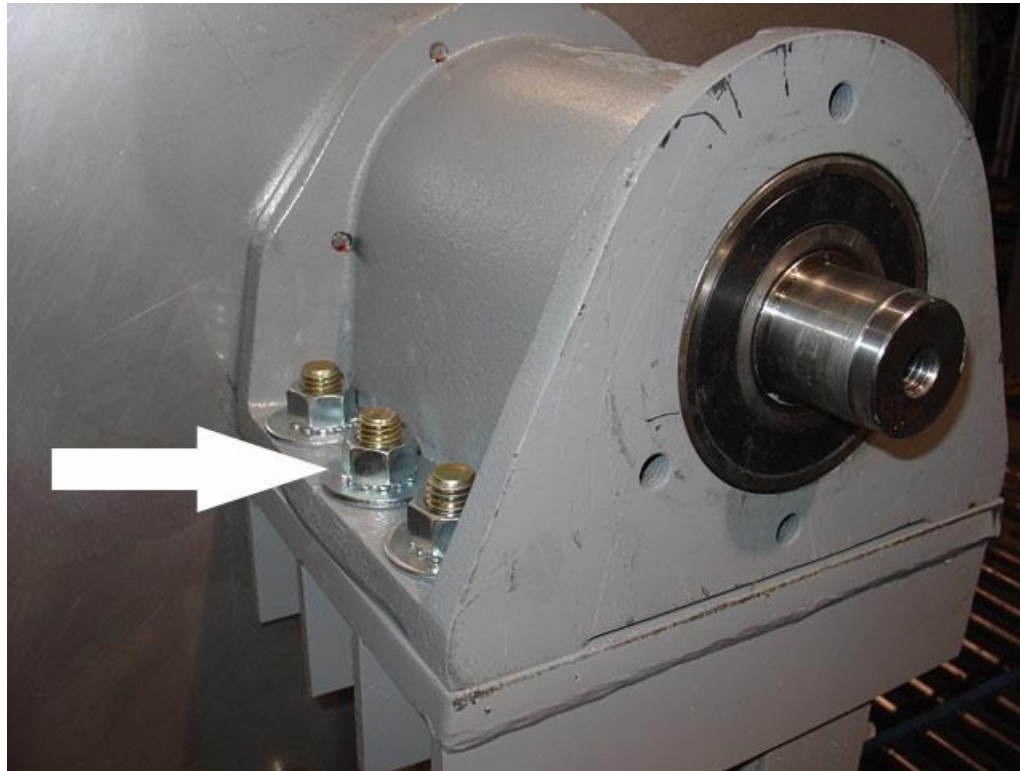
**Remove (6) 7/16" tub back to bearing housing cap screws, and separate the mating ring from the tub back. Excess silicone on the tub back will need to be cleaned off.**



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## Step 16:

Remove the (6) 3/4" bearing housing to frame bolts.



## Step 17:

Remove bearing housing from the frame.

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**At this point it is recommended that the bearing housing assembly should be replaced with a replacement bearing housing assembly.**

**9732-219-007 – housing, bearings and seal kit**

**This is the fastest and by far the easiest method for bearing replacement. If you choose to replace bearings and seals individually, follow steps A, B, and C on the next page.**



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**Step A:** Remove the retaining ring next to the front bearing.

**Step B:** The bearings are pressed into the housing and must be pressed back out.

**Step C:**

## **Reassembly**

**When installing new bearings into a bearing housing, first press the front (large) bearing into the housing until it bottoms and install the snap ring. With the bearing spacer in place, press the rear bearing in until the spacer is snug between the two bearings.**

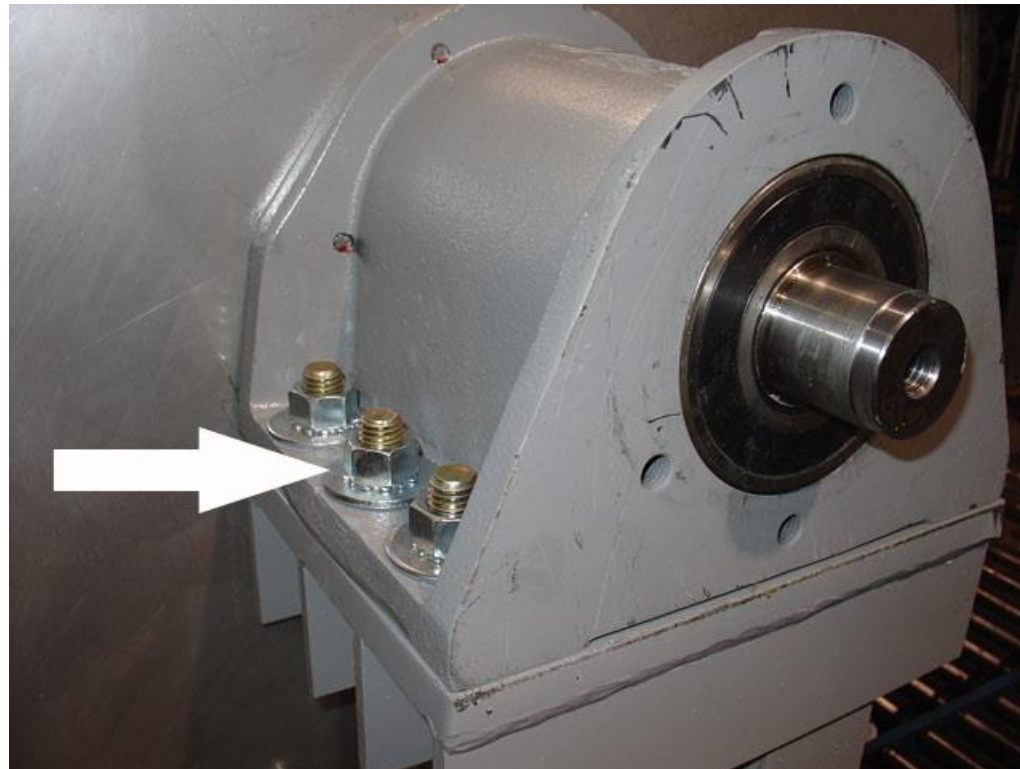




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## Step 18:

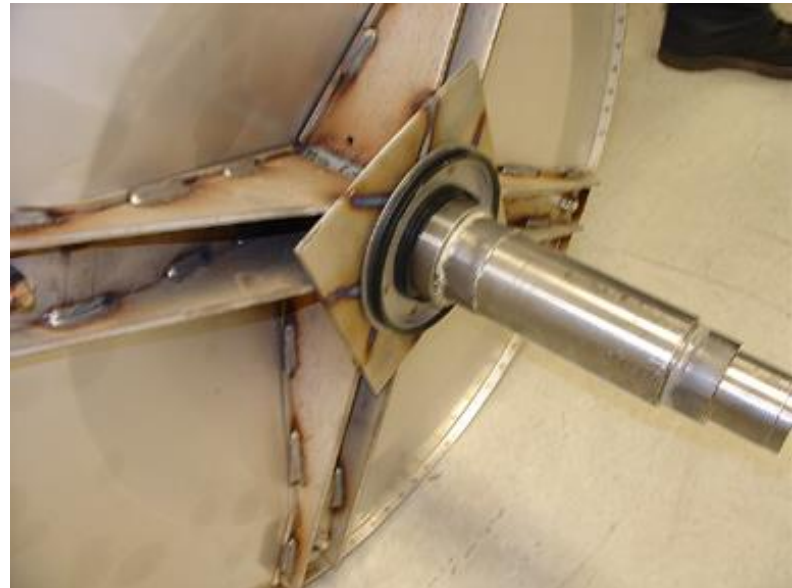
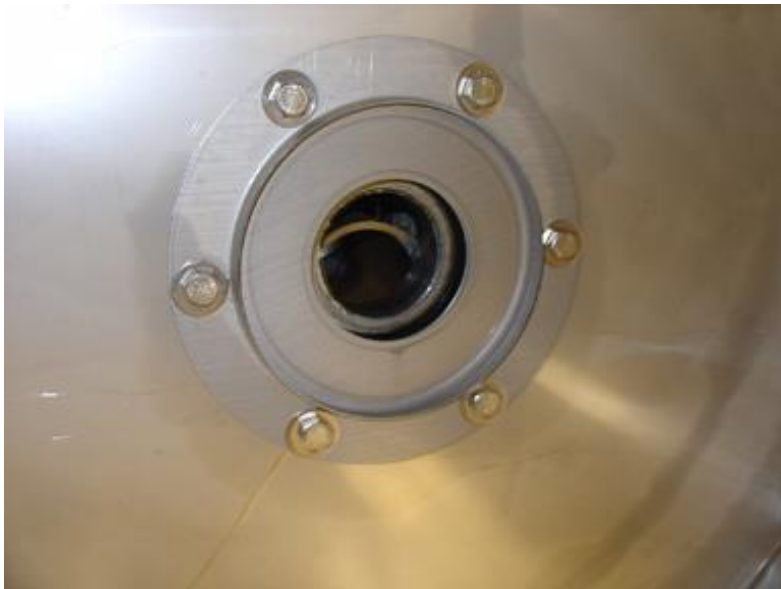
Replace the (6) 3/4" bearing housing to frame bolts. And tighten them to 200-300 ft/lbs.



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## Step 19:

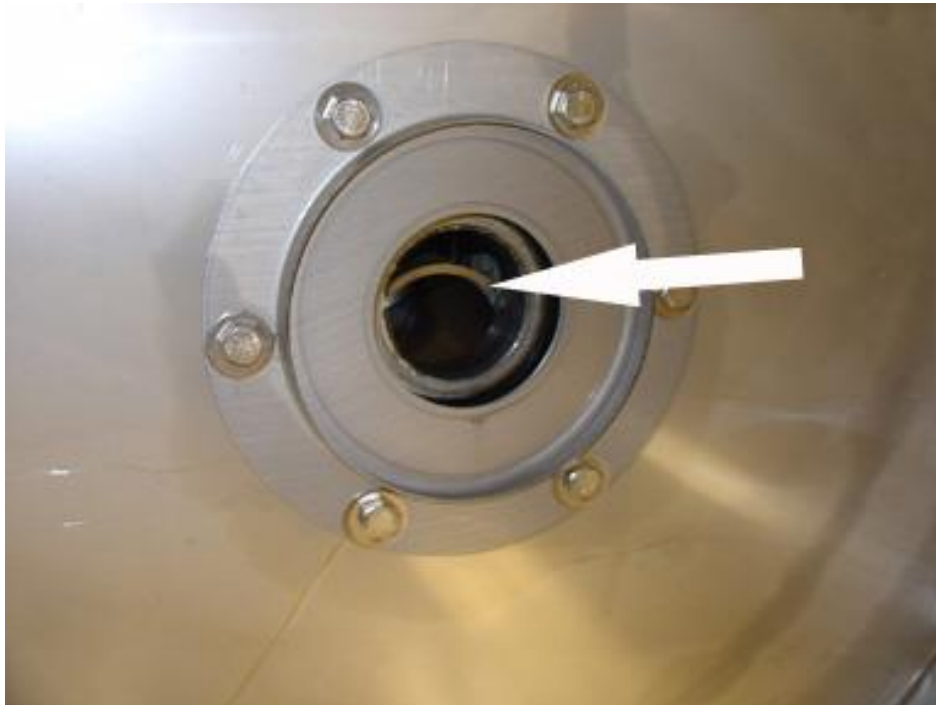
**Replace the mating ring and double Forsheda seal. The mating ring should be sealed down to the tub back with silicone adhesive/sealant in the original locations. Bolt down to 70 -110 ft /lbs. The metal seal ring which fits on to the shaft should be sealed down to the back of the trunnion assembly using the silicone adhesive/sealant. (Do not forget to re-lubricate the seals using a silicone grease.)**



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## Step 20:

**With one person holding up the spacer in the bearing housing assembly, insert the tub and shaft.**



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## Step 21:

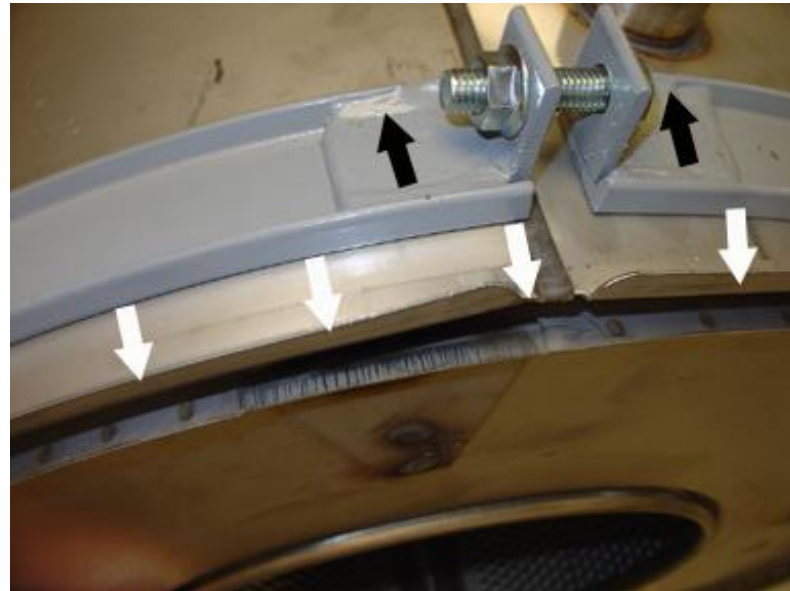
**Using the taper lock and a stack of 5/8 flat washers, tighten a 3" 5/8 nut to pull the shaft through the bearings. Remove the nut, add more washers, and repeat this process. A 2" 5/8 nut will be required to finish. A portable electric impact wrench is suggested for this. The shaft will only seat so far because of the step groove in the shaft. This seats the rubber seals perfectly.**



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## Step 22:

**Install the “trailer hitch”, (Dexter Part # 8545-056-001) on the back of the outer tub to adjust the tub front to cylinder clearance. Thread the 5/8 bolt through the tool and tighten to push the outer tub forward and give clearance between the cylinder and the tub front.**



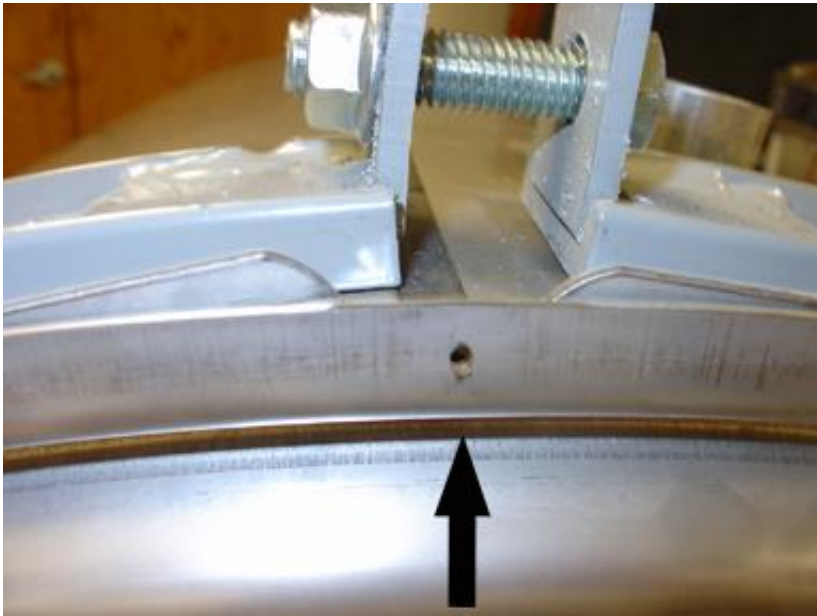
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**Step 23:** Clean the silicone rubber from the tub front and from the outer tub.

**Step 24:** Install a new bead of silicone / adhesive on the tub front.

**Step 25:** To install tub front, line up the hole in the top of the tub front with the notch at the top of the tub.

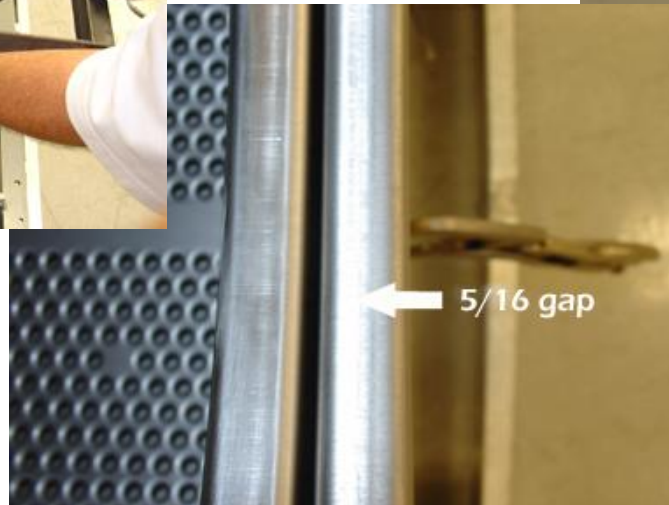
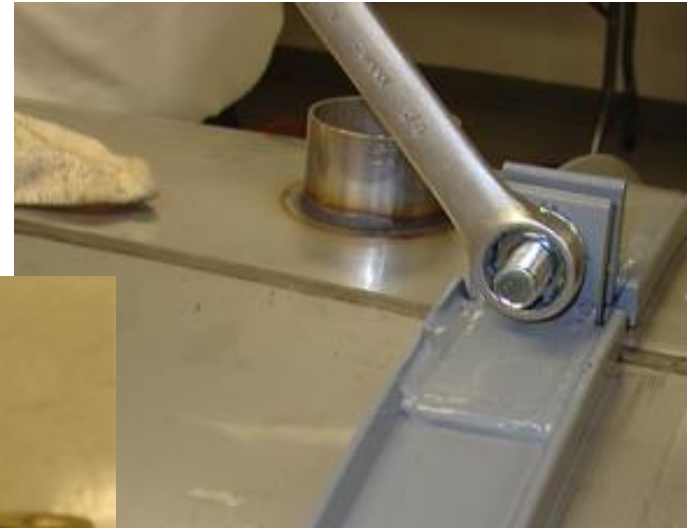
**Step 26:** Use 4 to 6 (#11R Vise Grip) welding clamps to hold the tub front to the outer tub. A rubber mallet may be needed to seat the tub front.



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## Step 27:

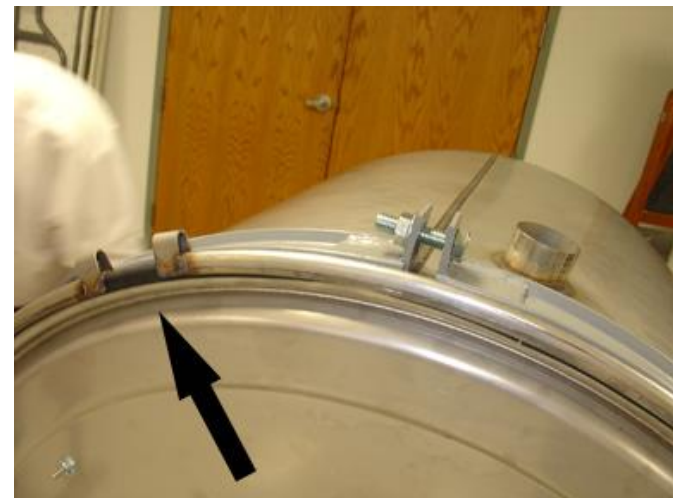
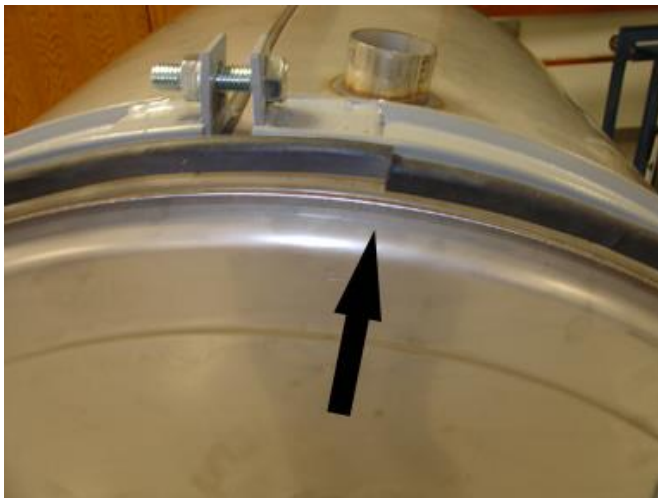
**Adjust the outer tub to give a  $5/16$  gap between the tub front and the cylinder. Once this is achieved, tighten the nut on the belly band to secure the outer tub.**



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**Step 28:** Install the tub front rubber gasket with the split at the 1 o'clock position on the top of the tub.

**Step 29:** Remove the vise grip clamps and install the tub front clamp ring with the gap at the 11:00 position on the top of the tub. Tap around the clamp with the rubber mallet to seat the tub front clamp. Insert the tub clamp bolt and tighten to 30-40 ft/lbs.





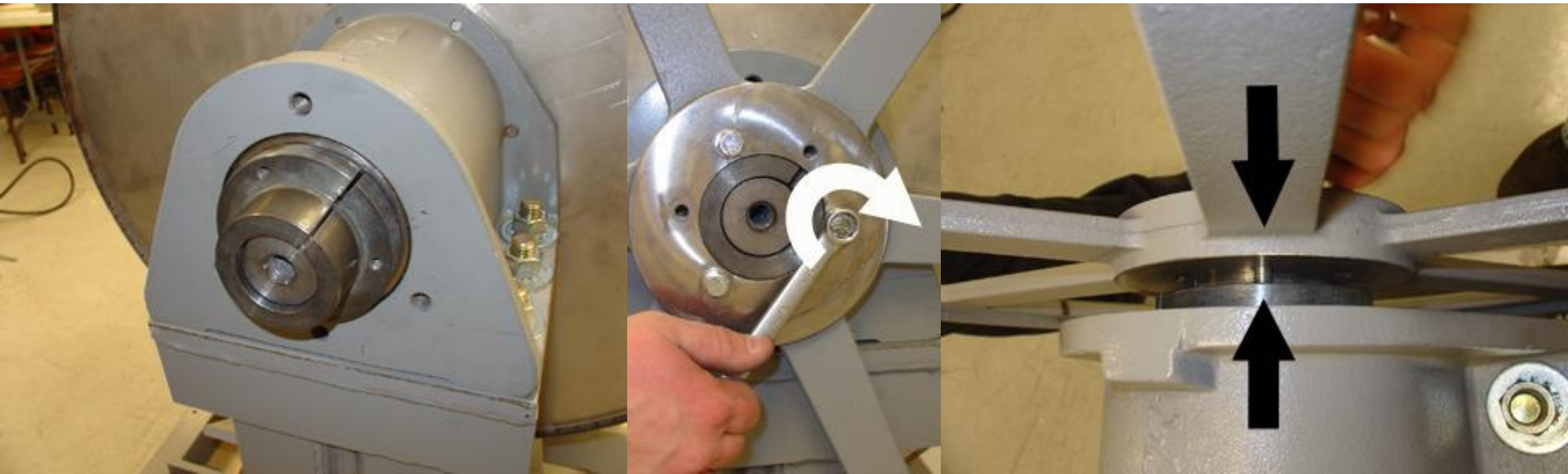
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## Step 30:

Remove the trailer hitch and mount the taper lock on the shaft. You can use the 5/8 NC bolt and a 5/8 washer to seat it.

## Step 31:

Line the (3) unthreaded holes in the pulley up with the (3) threaded holes in the taper lock and insert the (3) pulley bolts. Tighten these evenly alternating from bolt to bolt until the pulley seats all the way onto the taper lock. This should be about 30 ft/lbs.

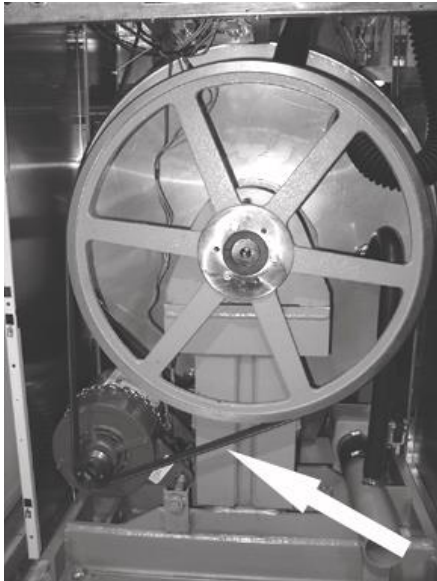


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**Step 32:** Install the drive belts and back panel.

**Step 33:** Re-mount the door lock assembly. All mounting holes should be sealed with silicone / adhesive.

**Step 34:** Install the door, masking ring, front panel, lower service panel and machine top.



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