BEARING REPLACEMENT

Small Chassis Bearing Replacement Procedure

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

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This procedure applies to all Dexter small chassis washers.

Tools needed for bearing replacement:

Standard Socket Set
Standard Wrench Set
Torque wrench
Steering wheel puller
3 Jaw Pulley puller
Large Straight Screwdriver
(2) Large punches
(1) Tube of silicone/adhesive
(1) Tube of silicone grease
(1) Caulk gun
(12-15) 5/8 Washers
(1) 3” 5/8 NC bolt
(2) 2” 5/8 NC bolt
(2) 36” 4x4 pieces of lumber
(1) Sharpie marker

Bearing kits
9732-219-001 T-300
9732-219-003 T-400
9732-219-005 T-600

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Step 1:
Remove the top panel.

Step 2:
Remove the rear panel.

Step 3:
Tip the machine forward and lay it on its face of the machine using the (2) 4x4 pieces of wood to keep them machine off the ground.

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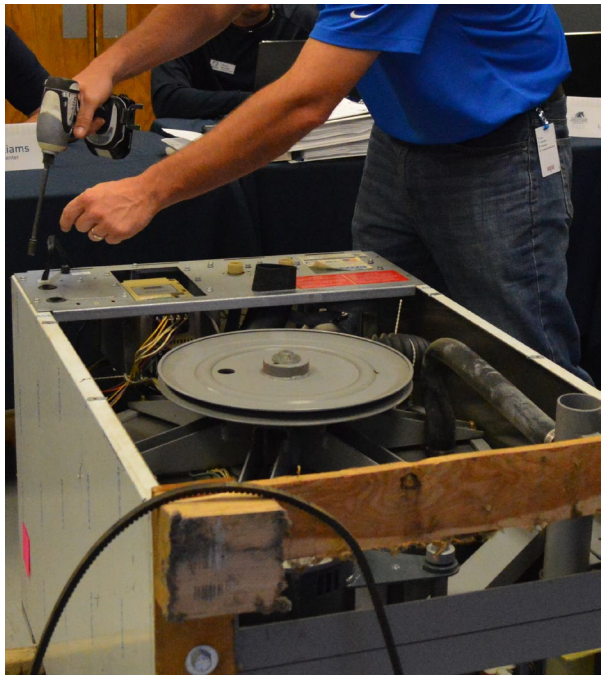
Step 4:
Remove the overflow, suds overflow, pressure switch tube and vacuum breaker hoses from the back of the washer.



Step 5:
Remove the (4) 5/16 screws holding the upper rear channel. Pull the rear channel up and out of the way.

Step 6:
Mark the top of the tub back and tub ring with a sharpie marker to ensure proper alignment on the reinstall.

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Step 7:
Remove the 14 bolts securing the tub back to the outer tub.

Step 8:
Using the large screw driver pry the tub back from the outer tub.

Step 9:
Remove the cylinder assembly from the tub assembly.

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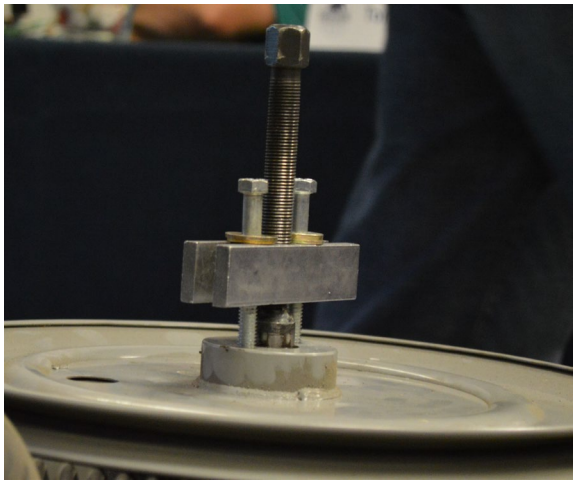
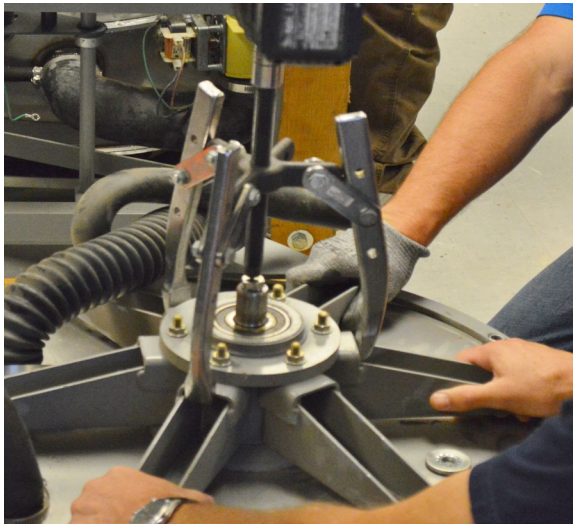
Step 10:
Remove the pulley from the shaft using the steering wheel puller.



Step 11:
Using the 3 jaw puller remove the bearing housing from the cylinder shaft.



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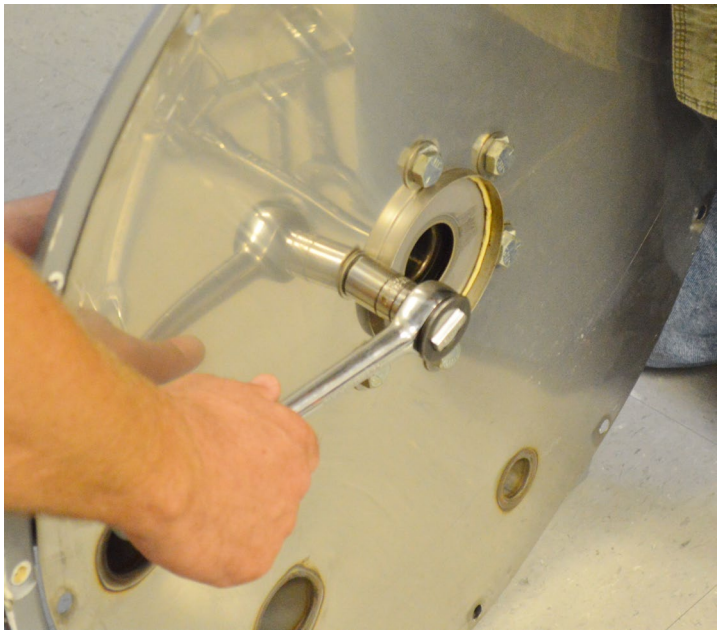
Step 12:
Remove the tub back from the bearing housing.

Step 13:
Remove the spider arms from the bearing housing.



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Reinstallation

Step 14:
Remove and clean all the old silicone off of the rear tub and tub back.

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Step 15:
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.
Replace the primary and secondary seals on the shaft of the washer cylinder. Use the silicone grease to lubricate the seals before installing the cylinder into the bearing housing.

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Step 16:
Reinstall the spider arms to the new bearing housing. Torque to recommended torque settings

Step 17:
Reinstall the tub back to the bearing housing. Ensure that the weep holes are located at the 12 and 6 o clock positions. Use silicone around the mounting bolts that secure the tub back to the bearing housing.
Torque to recommended torque settings

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Step 18:
Reinstall the bearing housing/tub back assembly to the cylinder. Ensure that the seals are lubricated with silicone grease before installing the bearing housing.

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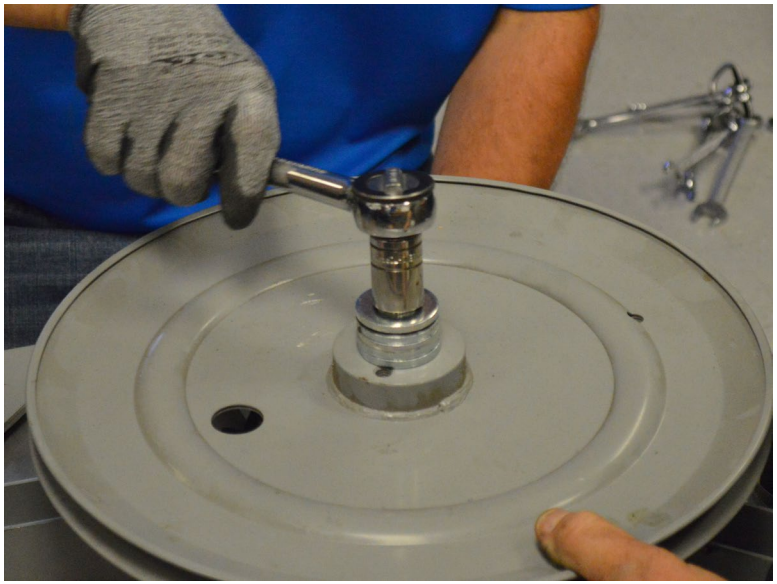
Step 19:
Use a stack of washers and the 3” 5/8NCbolt to pull the cylinder into the bearing housing. Adjust the number of washersuntil the cylinder is seated in the bearing housing.



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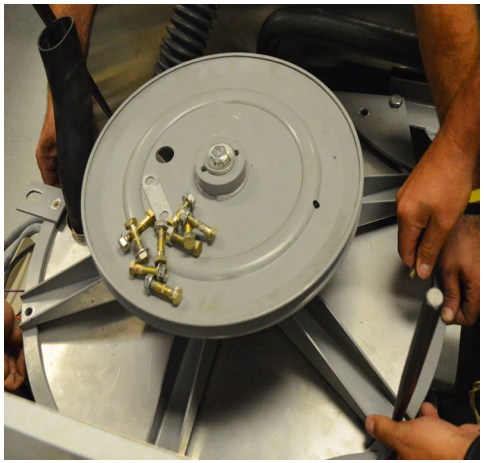
Step 20:
Apply silicone caulk/sealant around the rear tub flange to ensure a good seal with the tub back.

Step 21:
Reinstall the tub back/cylinder assembly into the tub. Use (2) large punches to lineup the bolts holes of the tub back.



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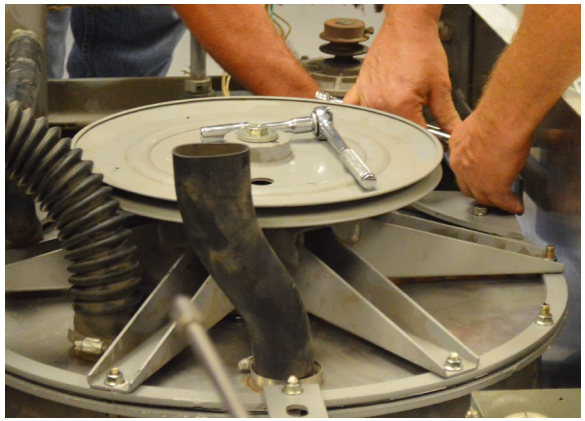
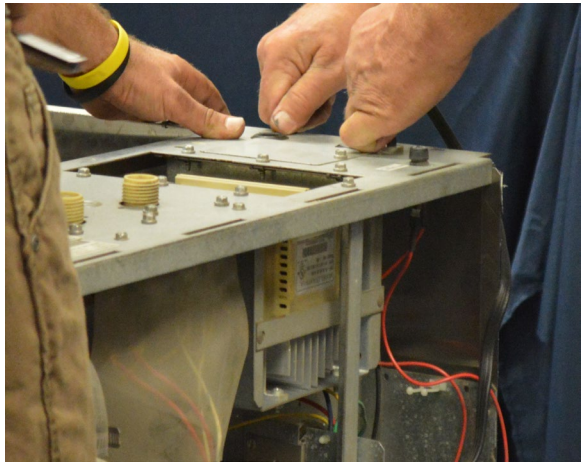
Step 22:
Reinstall the mounting bolts into the tub back and torque them to the recommended torque setting.



Step 23:
Reinstall the upper rear channel, all hoses, and drive belt.



Step 24:
Reinstall the rear cover and stand the machine back up on to its base.

Step 25:
Remount the machine.

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T-300 Bolt Torque Chart			
Bolt Size	**Where Used**	**Torque**	**NUMBER BOLTS REQ.**
1/2" bolt	Tub End of Bearing Housing 9545-017-009 GRADE #5	70-110 ft/lbs	6
1/2" bolt	Mounting of Tub to Cradle Assembly 9545-017-009 GRADE #5	70-110 ft/lbs	4
3/8" bolt	Tub Back Ring to Tub Back 9545-029-003 GRADE#8	45-80 ft/lb	12
3/8" bolt	Pulley End of Bearing Housing 9545-029-003 GRADE #8	45-80 ft/lbs	6
3/8" bolt	Mounting ring ends (front) 9545-029-003 GRADE #8	20-30 ft/lbs	1
	Basket Pulley to Shaft(set screw) 9545-028-015 SQUARE HD. SET SCREW	190-200 in/ lbs	1

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T350, T-400, T450 & T-600 Bolt Torque Chart		
Bolt Size	**Where Used**	**Torque**
1/2″x 1 1/4″ bolt	Tub End of Bearing Hsing. 9545-017-009	70-110 ft/lbs
5/8″x 1 1/2″ bolt	Tub End of Bearing Hsing. 9545-060-001	120-150 ft/lbs
1/2″x 1 1/4″ bolt	Mtg. of Tub to Cradle Asy. 9545-017-009	70-110 ft/lbs
5/8″x 2 1/2″bolt	Mtg. of Tub to Cradle Asy. 9545-060-001	120-150 ft/lbs
3/8″x 1 1/2″ bolt	Tub Back Ring to Tub Back 9545-029-003	45-80 ft/lbs

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