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Service—

30015V7J, T5J, T5E 30022V6J, T5J, T5E Washer-Extractors



Section
Service and Maintenance

1

Preventive Maintenance

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Applicability..... 30015T5E
30015T5J 30015V7J 30022T5E
30022T5J 30022V6J

1. Lubrication Guidelines

As required by the warranty, to ensure safe operation, and to achieve optimum performance and service life from Milnor® washer-extractors, the schedules, instructions, and precautions herein must be strictly followed.

WARNING 1: Entangle and Crush Hazard—Belts and pulleys can entangle and crush body parts.

- Lock OFF and tag out power at the wall disconnect before servicing, except where specifically instructed otherwise in this section.
- Insure belt and pulley guards are in place during service procedures.
- Permit only qualified maintenance personnel to perform these procedures.

2. 30022T5x and 30022V6J Main Bearing Maintenance

30022T5x and 30022V6J main bearing housings are oil-filled and require periodic draining and refilling (see below).

See the appropriate “MAIN BEARING ASSEMBLY” (see Table of Contents) during this procedure.

1. Remove the drain plug on the bottom of the main bearing housing and allow the bearing housing to drain completely (Figure 1). Inspect the leak-off, drained oil, and magnetic drain plug for water and/or metal particles. Install the drain plug. Water and/or metal particles can indicate worn or damaged seals and bearings.
2. Locate the two 1/2" plastic tubes secured to the electrical control chassis. Clean the surrounding area and remove the cork stoppers from each (Figure 2).
3. Strictly following lubrication specifications, refill the bearing housing. After refilling the bearing housing, re-install the cork stoppers and clean any excess lubricant from the machine.

3. Preventive Maintenance Schedule

Table 1: Preventive Maintenance Checklist

Component		Action	Frequency	Specifications/Figure
Bearing Housing	Oil	Remove fill, vent and drain stoppers. Refill 22 ounces (634 grams)	Every four months	High quality SAE 30 to 50 (ISO 100 - 220) single weight heavy duty motor oil (non-detergent if available). See "30022T5x,..Oil Drain and Water Leak-off" and also see "30022T5x,..Fill/Vent Hoses"
	Drive Train	Belts and pulleys	Check for wear, replace as required	Monthly
	Motors (if equipped with grease fittings) (See Note 2)	See "Baldor Motor Maintenance....," in this manual (See Note 3)	Every three Months	See motor nameplate. If not specified, use Shell Alvania (or equivalent). See "Motor Grease Points"
Drive Inverter	Inverter	Verify fan operation. Vacuum out inverter vents.	Monthly	See "Inverter Maintenance Points"
Hoses, Clamps, and Connections	Inlet, drain, and chemical hoses and connections	Check for leaks, cracks and bulges	Monthly	
Bolts	Foundation	Check bolt tightness and wear	Monthly	See dimensional drawings
	Rear bearing reinforcement plate and throughout machine			See "30022T5x,..Rear Reinforcement Plate" for 36026V5J machines, or "42026V6J Rear Reinforcement Plate" for 42026V6J machines.

Note 1: Monthly/200 hours = Once a month or once every 200 operating hours, whichever comes first.

Note 2: Do not over-lubricate motors. Over-lubrication of a motor can seriously damage it by forcing grease into motor windings.

Note 3: If motor manufacturer's instructions conflict with manual section MSSM0274AE, follow manufacturers instructions. Motors are warranted by the manufacturers, not by Milnor.

4. Maintenance Points

Figure 1: 30022T5x and 36026V5J Oil Drain and Water Leak-off

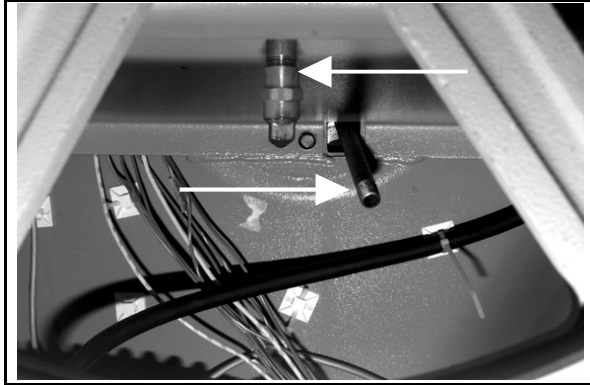


Figure 2: 30022T5x and 36026V5J Oil Fill/Vent Hoses (use either hose for filling)

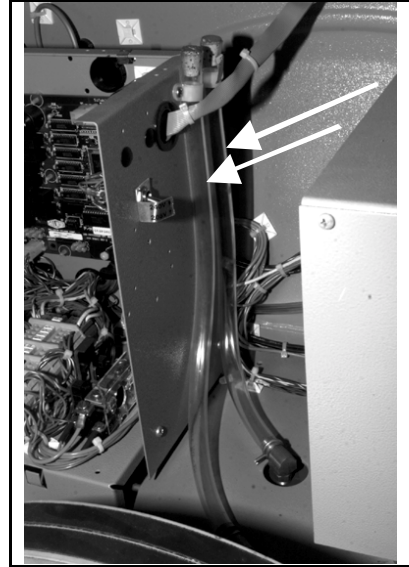


Figure 3: Drive Train Pulleys and Belts (30022V6J shown)

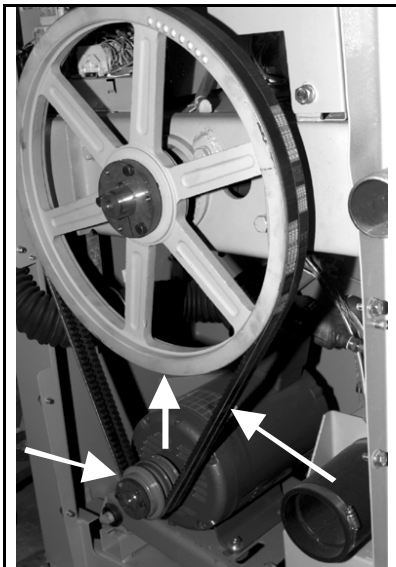


Figure 4: Inverter Maintenance Points

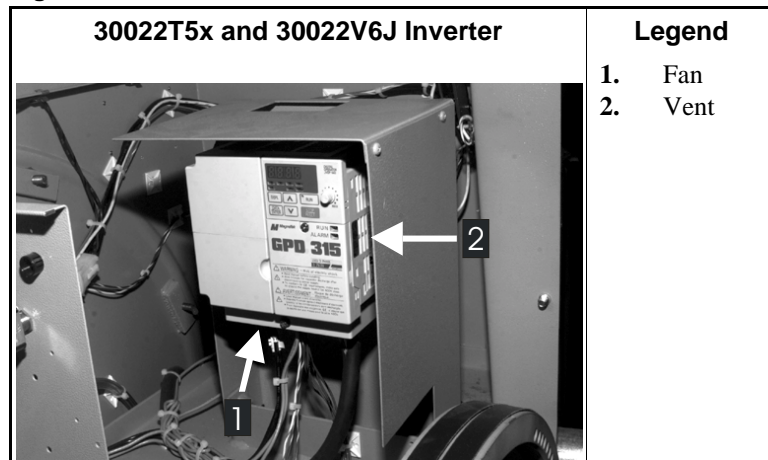


Figure 5: 30022T5x, 30022V6J and 36026V5J Rear Bearing Reinforcement Plate (30022VxJ shown)

