

TIPS SHEET FOR ATD OIL & GREASE PUMPS

#1: Unpacking the pump; Be Careful where you lay the downtube. The slightest foreign material like a rock, grass, stone, metal or plastic will block the pump.

#2: Lubricate the Air Motor only with SAE 30 Common Motor Oil or NLGI #1 Grease.

DO NOT USE ANY TYPE OF SYNTHETIC OIL IN THE AIR MOTOR CASING. THIS INCLUDES MARVEL MYSTERY OIL OR ANY SYNTHETIC OIL. NO!!!!!!

#3: Use an Air Regulator with Gauge: Normal Operating Pressure on the pump is between 80-100 psi. This will deliver 4500 PSI TO 5000 PSI of Grease Pressure. OR 240-300 psi of Oil Pressure

#4: Water will Damage and Corrode the inside of the pump; Use a Moisture Evacuation System on your Air line to keep water out of the pump.

#5: Lubricate the Air Motor of the Pump, Once per Week by injecting 2-5 FL OZ's of SAE 30 Common Motor Oil into the Air Motor Air Inlet.

#6: The pump has been tested and spec'd at the factory and was operated with NLGI #2 Grease under a Static Test and a Dynamic Test (Pressure Test) for Grease Pumps and SAE Motor Oil for Oil Pumps.

PUMP DIAGNOSTIC FOR ATD GREASE PUMPS

Note: All Grease Pumps are tested in NLGI#2 Chassis Grease at the factory. They are statically tested so they have to pump a certain amount of grease for a stated period of time. They are also dynamically tested so they are required to hold grease pressure for an extended period of time and at a stated rate of air pressure usually 100 psi of Air Pressure yields a grease pressure rating of 5000 PSI. Therefore problems of a new pump not working out of the box should be rare to none. However, problems can occur when unpacking and using your new grease pump for the first time. Please always read and follow directions in the Instruction Manual. Below are some minor trouble shooting tips to get you on your way, should you incur a problem. There is a more extensive trouble shooting manual in your instruction booklet and we request that you consult that for more information.

1: PUMP DOES NOT WORK OUT OF THE BOX:

Check List:

- 1: Is your Air Line live – Operating?
- 2: Is there Air connected to the Pump.
- 3: Check the Air Nipple 11660ME: Is it drilled all the way through? If you hold the air nipple up can you see light through the other end? (not a common problem)
- 4: Is the Air Nipple threaded in the correct Hole which is the Air inlet on the Air Motor NPT 1/8”;
- 5: The other threaded holes are the Muffler 3/8” NPT and the Grease Outlet 1/4” NPT. See Drawing in the Instruction Manual.

3: Is the Air Motor Hissing Air out of any of the seals on the Air Motor:

- 1: This is not a common Problem.
- 2: It can be fixed by tightening the bolts on the Air Motor for the Seals in Question. This would be very rare and should not need to be done.

4: Pump is new out of the box; Air Motor Operates but no grease is coming out:

- 1: Did you remove the plastic tube off of the bottom of the pump?
- 2: Did you accidentally lay the pump down in any foreign material such as metal pieces, rocks, dirt, paper, plastic, saw dust or shavings?
- 3: The slightest piece of foreign material will block the downtube of the pump. Consult the manual that accompanied the pump for an appropriate fix.

6: Air Motor is still operating but no grease is coming out.

- 1: Does the container have plastic bag that holds the grease.
- 2: If so, try raising the pump ever so slightly and make sure the pump does not push up against the bottom of the container.
- 3: Sometimes that downtube when sitting on top of the plastic bag will try to suck up the plastic and the plastic will block the downtube.

8: Pump was operating fine; we changed the container of grease and now it will not pump grease:

- 1: Did you change the container? How did you set the pump down when you changed the vat? A small amount of foreign material can block the inlet of the pump
- 2: Reset the follower plate in the new vat of grease to expel air pockets.
- 3: Try resetting the pump.
- 4: Disconnect the lube and operate the pump. If it pumps grease, the control valve is clogged.

2: So you have Air on the Pump and it does not work?

What is the Pump Doing? Hissing air out of the Air Motor?:

- 1: This is not common but it does occur.
- 2: If it is hissing out of the Muffler, the air valve or slide valve is stuck in the neutral position.
- 3: Increase the Air Pressure to 100 PSI. Sometimes increasing the air pressure will throw the valve up or down and start the pump cycling.
- 4: If the pump has not been inserted in the grease, hold it upside down and tap it slightly – lightly on the cement floor. Please read the word **lightly**.
- 5: If the pump has been inserted in grease, use a rubber mallet and tap the pump slightly on the air motor head. Do not beat the muffler. Use only a rubber mallet not a hammer. The air motor head is a casting and it will crack.

5: Pump is new out of the box; Air Motor Operates but no grease is coming out:

- 1: Disconnect the lube hose from the pump.
- 2: Seat the Follower plate; Sometimes the follower plate catches an air pocket underneath it. Pull out the pump and firmly push down on the follower plate to push out any air pockets.
- 3: Reseat the pump by pulling the pump half way out of the container, turning it and putting it back in the container?
- 4: Turn Air on to the Pump and let the pump operate. These pumps are self priming will pick up grease and create a vacuum under the follower plate.
- 5: Pump about 1/2 cup of grease out of the pump. You should hear a popping noise as the air pockets are released from the grease.

7: Grease comes out of the pump outlet but not the control valve.

- 1: The control valve is plugged. Whenever you change hoses or have a new hose you should always pump about 1/2 cup of grease through the hose to remove any contaminants inside the hose.
- 2: If control valve is plugged with a contaminant, you need to remove the debris from inside the control valve.

9: Pump was Operating fine; We did not change a vat of grease; The pump will not start;

- 1: Check the Air Motor. Do you have water in your air line.
- 2: Try injecting 8-10 fl oz's of common SAE Motor oil into the Pump Inlet and let it sit.
- 3: *Do not use any type of Synthetic Oil or Air Tool Oil as this will ruin (swell) the Buna N Packings and render the pump useless.*