

# Maintenance Section

## 4.3 LUBRICATION:

### ⚠ CAUTION

Remove the negative battery terminal before attempting any lubrication procedures.

### ⚠ WARNING

Thoroughly read and understand the safety and pre-operating sections of this manual before performing any lubrication procedures.

Figure 4.3A



Grease Points

The following are general lubrication procedures for our standard units. Any special or custom built units may have other lubrication procedures not directly mentioned in this manual. Please consult ODB before any lubricating procedures not specifically mentioned in this manual.

Proper lubrication of your unit correlates directly to how long your unit will last. A properly maintained unit will last much longer than a unit that is not maintained properly. **NOTE:** Always lubricate bearings at the end of each work day. This will displace any moisture in the bearings. Also lubricate thoroughly before extended shutdown or storage.

### Lubrication Points:

1. **Drive Bearings (if equipped) (figure 4.3a):**  
These bearings are critical components of the belt-driven units. These bearings should be greased every 10 hours with approximately two strokes from the average hand pump grease gun. The type of grease used in these bearings are also critical to the performance of the bearings. A multi-purpose, heavy-load, high-temperature, moisture resistant #2 grease is required for the drive bearings. ODB recommends LubeMaster Premalube 4234 grease. Other premium quality grease that matches the above requirements may be used but after years of testing ODB recommends the Premalube grease.

**NOTE;** DO NOT mix different types of grease. The old grease **MUST BE** purged before a different type of grease is used. Mixing grease **WILL** cause premature failure to the bearings.

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## 4.3 LUBRICATION, continued;

### Lubrication Points, continued;

2. **Trailer Wheel Bearings (figure 4.3b):** All of ODB's units are equipped with oil lubricated hubs. Periodically fill the hub with a high quality hypoid gear oil to the level indicated on the clear plastic oil cap. The oil can be filled from either the oil fill hole in the hub or through the rubber plug hole in the cap itself.

Figure 4.3b



Oil specifications:

SAE 90 Hypoid Gear (Hypoid Rear Axle Gear Oil)

Approved Sources:

Union Oil Co.....	Union MP, Gearlube - LS
Exxon Co.....	Gear Oil GX80W-90
Mobil Oil Corp.....	Mobilube SHC 75W-90
Penzoil Prod. Co.....	Multipurpose Gear Lubr. 4092
.....	.....or Multipurpose Gear Lubr. 4096

For any questions concerning wheel lubrication please consult the axle owner's manual supplied with your leaf collector or contact ODB.

Figure 4.3c



3. **Hitch and Tongue (figure 4.3c):** The hitch and hitch ring should be checked and lubricated daily to minimize wear. Apply grease and/or SAE30 weight oil wherever applicable. While lubricating, make sure all components are in good working order and not worn in any way.

# Maintenance Section

Figure 4.3d



Figure 4.3e

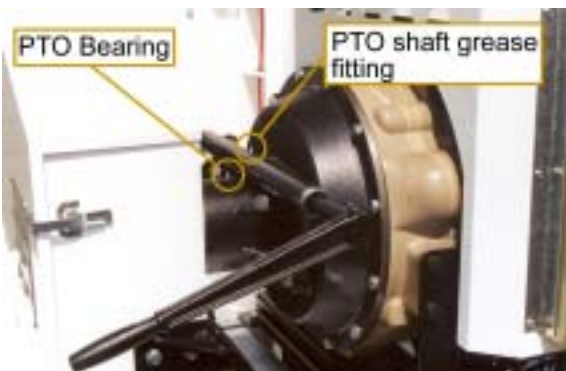


Figure 4.3f



## 4.3 LUBRICATION, continued;

### Lubrication Points, continued;

4. **Boom Mast Tube (figure 4.3d):** The boom mast tube should be greased once a week with a multi-purpose moisture resistant #2 grease.
5. **PTO Bearing & PTO Shaft Fitting (figure 4.3e):** The PTO bearings should be greased after every 50 hours of operation with a high grade, high temperature lithium base #2 lubricant having an operating temperature of 200 degrees F. Three to five pumps with a hand operated grease gun is sufficient.  
**NOTE:** Units manufactured after 2000 may not have a PTO bearing grease fitting. These bearings are sealed and do not require greasing.

The PTO crossover shaft and linkage should be lubricated with high temperature lithium base #2 lubricant after 200 hours of operation.

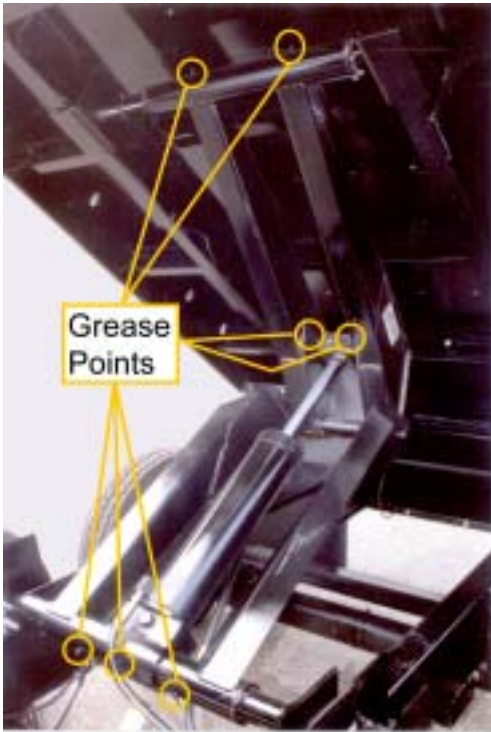
6. **Hinge and Friction Points:** Leaf vacuum operation and longevity can be improved by keeping hinges and friction points lubricated. ODB recommends that lubrication be performed weekly. Use SAE30 weight oil on hinges and a premium grade, high temperature lithium based EP#2 grease on friction points.
7. **Parking Jack (figure 4.3f):** Remove the top cover and lubricate the gears inside with a standard gear grease. This should be done at the beginning of each season. Proper lubrication will make hitching the leaf collector much easier.

# Maintenance Section

## 4.3 LUBRICATION, continued;

### Lubrication Points, continued;

Figure 4.3g



### ⚠ WARNING

Never go under the dump body unless the body is empty and the body prop(s) is in the proper position.

### ⚠ WARNING

The body prop is designed and intended to support an EMPTY truck body in the raised position. Unload the body before using the body prop(s).

8. **Hydraulic Hoist Fittings (figure 4.3g):** Raise and support the dump body as detailed in section 3.2. Lubricate the fittings at least every 200 hours of operation with a #2 high grade grease. There are tremendous forces on the bearing surfaces within the hoist frame. It pays to be generous with the grease gun, to insure proper operation and long life.
9. **Hoist Hinge and Body Prop(s) Fittings (figure 4.3h):** Each hinge pivot has a grease fitting that needs lubricating every 200 hours. The body prop(s) has a fitting at the pivot area as shown in figure 4.3h.

Figure 4.3h

