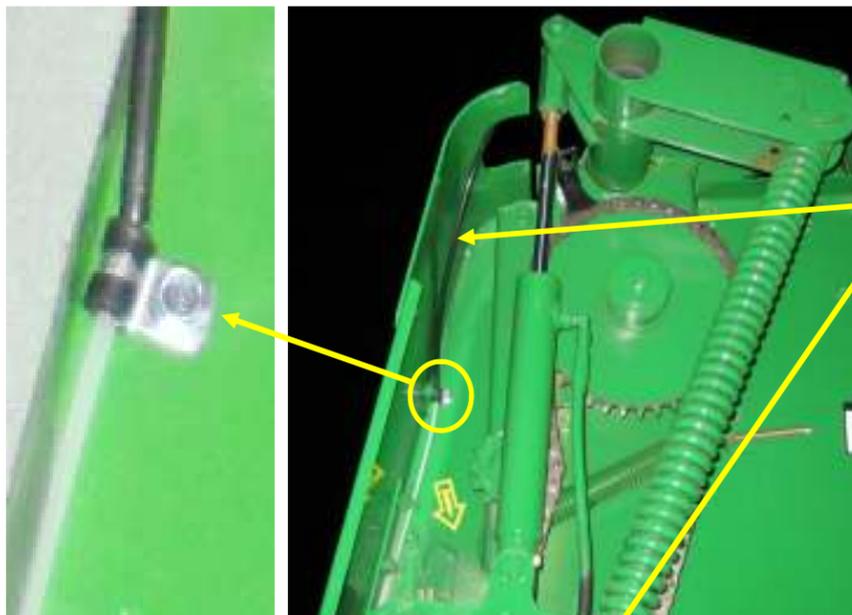


John Deere 9 Series Baler Installation Instructions



Route tubing along existing hydraulic and electrical lines. Cut black protective tubing and slide over oil lines to protect from crop and moving parts. Use clamps with self-tapping screws or zip-ties provided to secure to sides.



Step 8 Make sure all brackets and fittings are tight. **REPLACE ALL GAURDS REMOVED DURING INSTALLATION** Finish filling the oil tank with clean lightweight oil. Cycle the tailgate to actuate the pump. Make sure oil is being pumped through the lines. If no oil is being pumped there is an air lock in the top of the pump caused by filling the oil tank too fast. Loosen one of the hex plugs on the pump to allow the air to escape. Retighten plug. **IMPORTANT: When actuating the pump to prime it, make sure engine RPM is at least 1300 RPM to allow enough pressure to build up in the system.** Once oil is shown in all lines, re-fill the oil tank. Depending on the length of tubing involved, it may take 20-30 cycles to fill all the tubes and purge out air from the lines. Make sure there are no air pockets in the 5/8" tube that feeds oil from the tank to the pump.

Step 9 The LubeMinder is set at the factory to deliver the maximum amount if oil per cycle. If less is desired loosen the jam nut at the bottom of the pump and screw in the brass adjusting shaft approximately five turns. By screwing the adjusting shaft in more than fifteen turns it will turn the pump off. **IMPORTANT: Use new 30 weight oil. In cold weather use a SAE 10 or a lighter oil. NEVER USE BAR & CHAIN OIL OR USED MOTOR OIL!!!**

Watch Lube Minder Installation Tips →



Download a free maintenance and troubleshooting guide at www.gosuburban.com



John Deere Round Baler 449, 459 & 559 Series Installation Instructions



Right Side of Baler Shown

READ ALL INSTRUCTIONS CAREFULLY BEFORE INSTALLATION
Retain for future use



WARNING

Do Not attempt to service any machine without exercising the mandatory safety shut down procedure as described in the operators manual.

The automatic chain oiler attachment gives a squirt of oil every time the rear gate closes. In this way, the machine is oiled in direct proportion to the number of cycles and adequate lubrication is assured. Clean oil, which is placed in the reservoir tank mounted on the machine, is all that is needed to lubricate the chains, and sprockets. The LUBEMINDER does not use any oil from the tractor hydraulic system. The hydraulic hose connected to the bottom of the oil pump assembly only serves to power a piston in the pump every time the cylinder is cycled.

TOOLING REQUIRED

- 1) Electric Drill
- 2) Adjustable or SAE Wrenches
- 3) Pliers
- 4) Standard Screwdrivers
- 5) 7/32" Diameter Drill

LUBEMINDER COMPONENTS



Brass Manifold

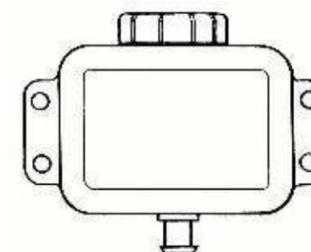
This comes pre-installed into the Pump. There is one Manifold for each oil line.

LubeMinder Pump

This is the unit that meters and dispenses the lubrication. This is a 2-piece unit, take care not to change the orientation of the top portion to the bottom portion as this will cause the unit to leak.

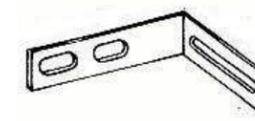
Brush Assembly

The Brush is located at the point of lubrication. Position this where it will contact the chain or sprocket without getting caught in the mechanism.



Reservoir Tank

This connects to the fitting at the top of the Pump with a short length of hose (supplied)



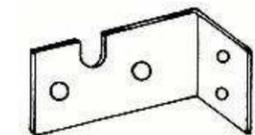
Brush Brackets

These are used to mount the Brush Assemblies.



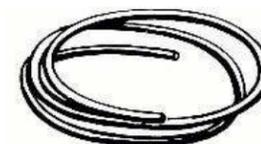
Hydraulic Hose Assembly

This connects the LubeMinder Pump to the hydraulic source. This will be a high-pressure connection—please observe all appropriate safety precautions.



Pump Bracket

Used to mount the Pump to your piece of equipment.



Oil Feed Tubing

This tubing is used, as required, to connect the Brushes to the Manifolds.

IMPORTANT

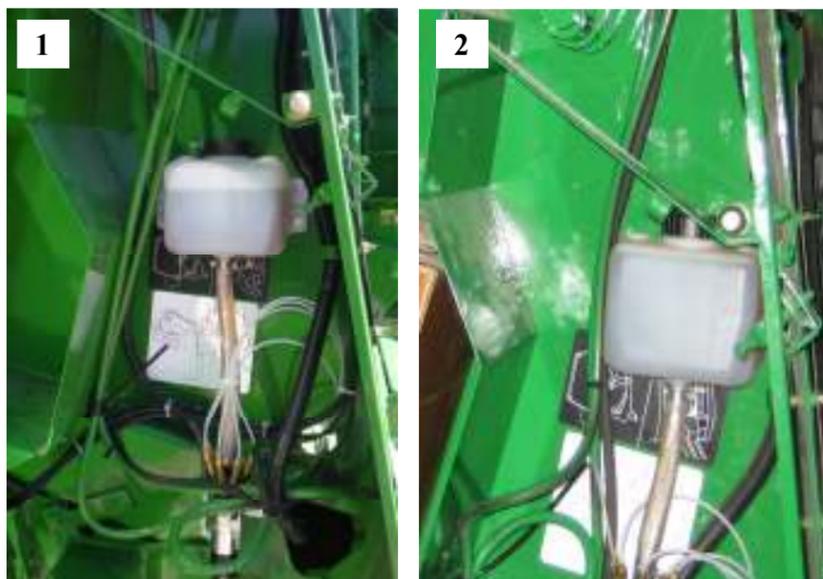
Components shown here may vary slightly depending on the make and model of equipment being lubricated. Refer to detailed installation instructions for specific information.

Our engineers are available to assist you with any installation questions during normal working hours, Central Standard Time, at 1-800-782-5752 or (763)295-5635

Suburban Manufacturing Inc. believes the information presented here to be accurate. Suburban Manufacturing Inc. shall not be held liable for damage or problems caused by possible design changes by the equipment manufacturer or customer-modifications of the equipment prior to the installation of this device. Liability limited to repair or replacement of the LubeMinder unit.

Step 1 Mount the oil reservoir to the side of the machine. Use the tank as a template mark and drill four 7/32" holes. Secure the tank with self-tapping screws. (Head size is 3/8")

(See photos 1 & 2)

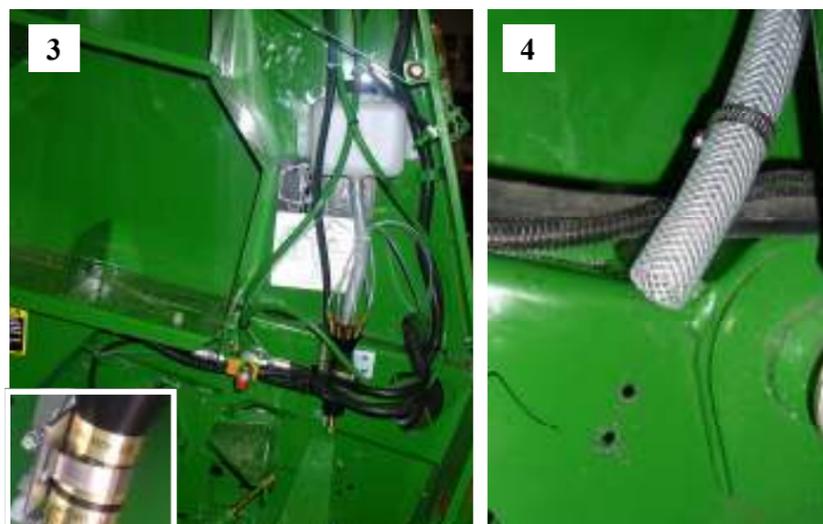


Step 2 Mount the pump bracket in the same manner, position the LUBEMINDER below the outlet of the oil tank and in a vertical position with the barbed fitting on top. Use the top of bracket and secure the band clamp (5/16" head) provided to fasten LUBEMINDER to bracket.

(See photo 3)

Step 3 Cut the 5/8" ID hose as needed to connect the oil tank to the pump. Slide the hose clamps over each end of the hose and secure one end to the pump and one end to the tank. (1/4" head)

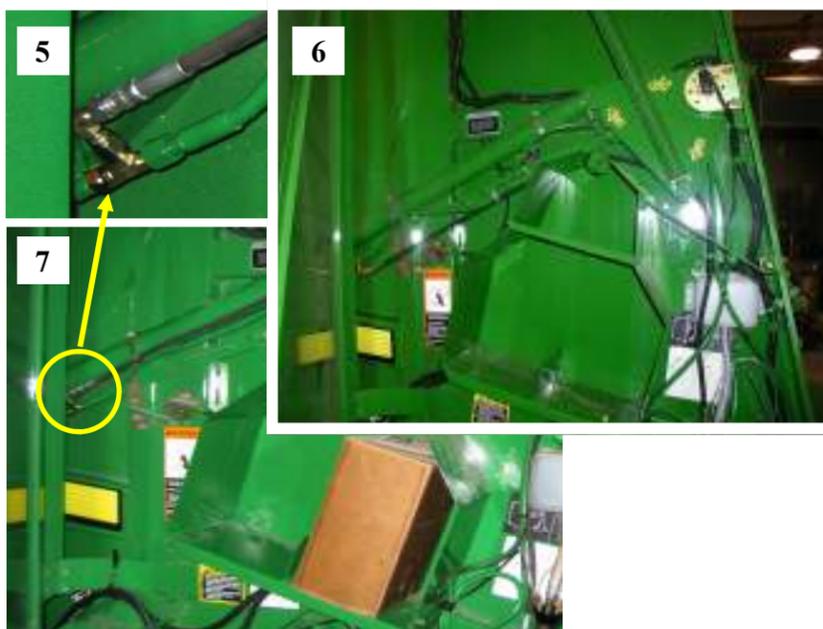
(See photo 4)



Step 4 To avoid priming the pump, pour about 1/8 cup of clean 30 weight oil into the tank. This will allow some time for the oil to run down into the pump and allow air to escape. **DO NOT FILL TANK YET.**

Step 5 **IMPORTANT - MAKE SURE ALL GATES, CYLINDERS, DOORS, BOOMS, ETC. HAVE NO PRESSURE ON THE HYDRAULIC LINES.** The hydraulic cylinder that the pump will be tied into must be DOUBLE ACTING and reach 300 PSI of pressure to actuate the LUBEMINDER pump. Disconnect the fitting and install the tee and elbow fittings, reconnect the hydraulic hose that runs to the rod end of the cylinder. Connect the new hose to the elbow fitting, route the hydraulic hose to the LUBEMINDER oil pump. Connect the end of the hose to the side of the oiler pump. Every time that this hydraulic cylinder cycles the LUBEMINDER oiling pump will cycle.

(See photos 5, 6, & 7)



Step 6 Install the brackets and brushes. Use the 1/2-20 nuts (Only finger tighten at this time). Place brackets over sprockets as shown. Using the bracket as a template mark where holes should be drilled. Drill 7/32" holes and attach brackets with self tapping screws. Tighten bracket down so that brush in in chain and sprocket roughly a half inch as shown. At this time snug up the 1/2" nuts on the brushes (Be careful not to over tighten, as damage to brush will occur). Note: more brushes may be added to a system by installing union tees in the 5/32" oil lines (See photos 8 & 9)



USE LONG BRACKET WHERE CIRCLED



IMPORTANT!!!!

Remove knock-out to install pick-up chain brush. After hole is open, use provided tear drop shield as a template. Drill a 7/32" hole and secure the shield with a self-taping screw. These guards are **MANDATORY** and must be installed. If a brush breaks or is removed at a later date, slide the tear dropped shield over hole and secure.



Step 7 Run lines from brushes back to the pump. Keep tight to other electrical or hydraulic lines. Use zip-ties to hold oil lines in place

(See photos 8 & 9)

Slide Nut and Ferrule on to tubing. Push tubing down into manifold. Then tighten Nut. (5/16" head)



Continued...