

- 7) Make sure all brackets and fittings are tight and that all guards and shields are in place, then fill the oil tank. Cycle the cylinder that the pump is connected to until oil can be seen in all the oil lines. (If you experience problems priming the pump, you may need to bleed air out of the hydraulic hose where it is connected to the LUBE MINDER pump. Crack the fitting until oil comes out then re tighten). **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, 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.
- 8) The oiler pump output is adjustable. If less oil is desired, loosen the jam nut on the bottom of the oiler and screw in the adjusting shaft 1/4", or approximately 5 turns. It is not recommended to screw the shaft in more than 15 turns as this may not allow for proper lubrication and may completely shut off the oil flow. Turning the shaft the opposite way will increase the amount of oil delivered. **DO NOT BOTTOM OUT THE BRASS ADJUSTING ROD.**
IMPORTANT: Use new 30 weight oil. In cold weather use a SAE 10 or a mixture of two parts oil with one part diesel fuel.

NOTE: IF YOU NEED HELP WITH ASSEMBLY INSTRUCTIONS PLEASE CALL TOLL FREE 1-800-782-5752 AND ASK FOR THE CUSTOMER SERVICE DEPARTMENT.

Cutaway view of Lube Minder pump showing internal components



COMBINES: The pump may be cycled off the cylinder that actuates the unloader auger boom. The hydraulic hose assembly should be connected to the side of the cylinder that returns the boom back to the side of the combine for best results. Another cylinder would be the one that activates the feeder hose.



ROUND BALERS: The pump may be cycled off the cylinder that opens and closes the rear gate. For best results tee into the top of the cylinder, this will activate the LUBE MINDER as the rear gate closes.



FORAGE HARVESTERS: The pump may be cycled off of the cylinder that actuates the discharge chute or the header lift cylinder.



MOVER CONDITIONERS / WINDROWERS: The pump may be cycled off of the lift cylinder or the swing arm cylinder.

MANURE SPREADERS: The pump may be cycled off of the side discharge or rear gate cylinder.



POTATO / BEET HARVESTERS: The pump may be cycled off any double acting lift cylinder.

DISCS: The pump may be cycled off the lift cylinders (system can be used for oiling all pivot bushings every time the disc is raised or lowered).



Suburban Manufacturing, Inc.

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New Holland CR960 Combine Installation Instructions

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 hydraulic cylinder that it is connected to cycles. 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, sprockets, gears, or pivot bushings. 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 Wrench
- 3) Pliers
- 4) Standard Screwdrivers

LUBEMINDER COMPONENTS



Brass Manifold

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

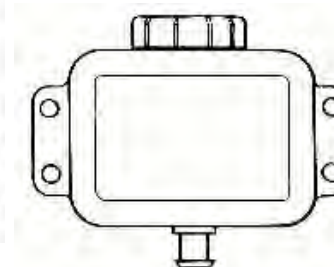
LubeMinder Pump

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.



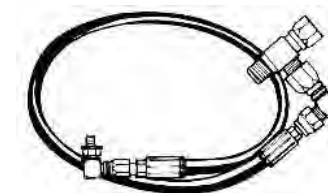
Reservoir Tank

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



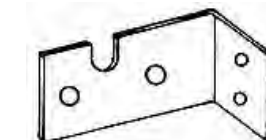
Brush Brackets

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.

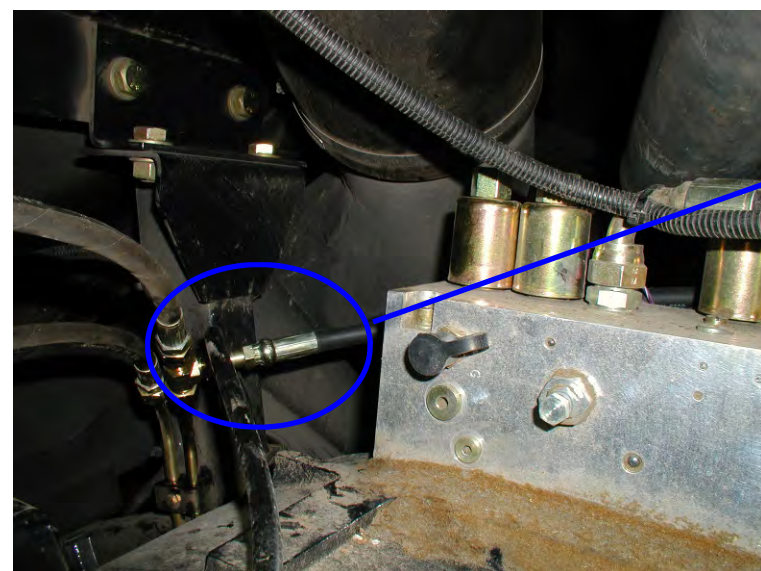
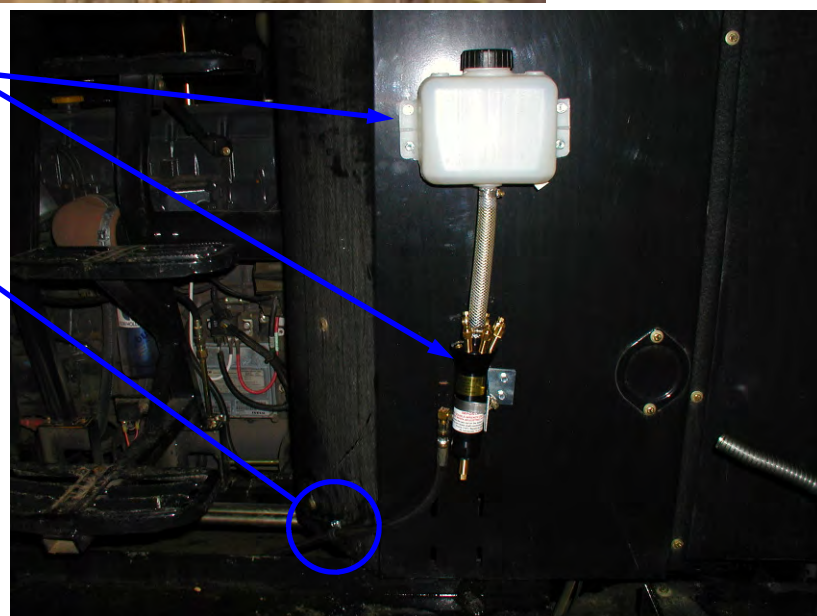
Our engineers are available to assist you with any installation questions during normal working hours, Central Standard Time, at 1-800-782-5752 or (763)295-5635

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.

New Holland CR960 Combine Installation Instructions



Step 1 Install oiler bracket and tank by drilling with the supplied drill and then attaching with 1/4" tap tight bolts (Note the hose clamp for the hydraulic hose)

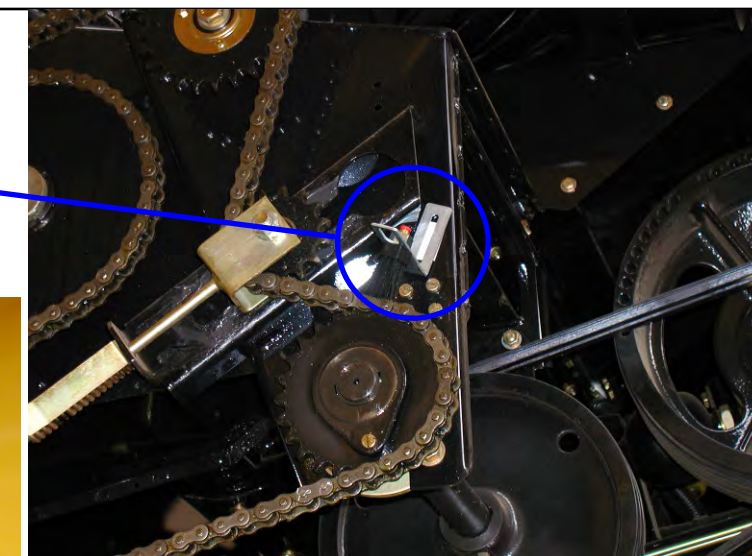


Step 2 Plumb in the hydraulic hose to the auger unloader swing out circuit shown here. Note the oiler will only actuate when the unloader auger boom is swung out and back in.

Continued...

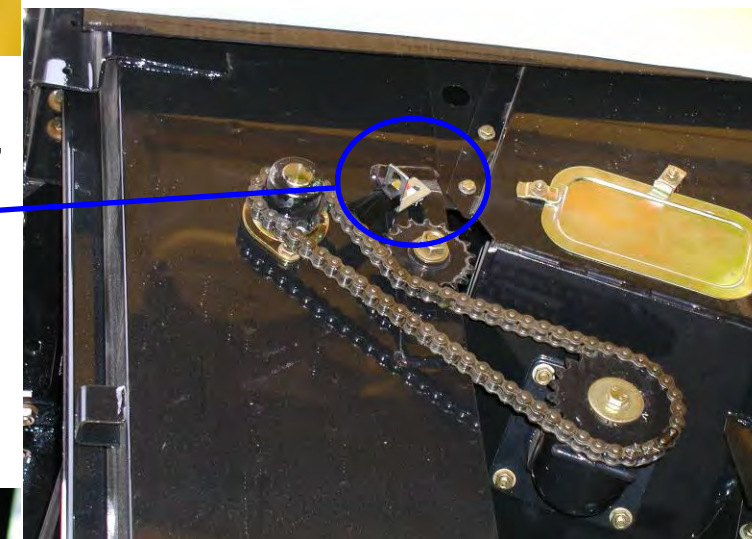
New Holland CR960 Combine Installation Instructions

Step 3 On the left side drill with the supplied drill and secure using a 1/4" tap tight bolt for the auger drive chain.



Step 4 On the right side for the feeder house chain, drill with the supplied drill and bolt using a 1/4" tap tight bolt. Note that this bracket has two brushes and needs to line up so that they will oil these two chains.

Step 5 On the right side outer elevator chain, drill with supplied drill and secure using a 1/4" tap tight bolt.



Step 6 On the upper right side on the inner elevator chain, line the modified bracket up and mark a spot where to drill the hole. Note bracket may need adjustment so that brush comes in contact with chain but still maintaining vertical nature (45° from vertical is ok). Once hole is drilled secure using a 1/4" tap tight bolt.