

Step 7:

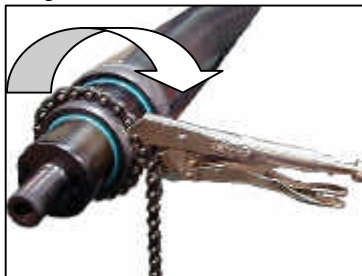
Before starting to screw the nut, clean it with an electrical cleaner spray or with a cleaner that evaporates after cleaning. If necessary, use a metal brush to remove any particles from the threads.

Begin threading with chain pliers and then apply thread sealant (Loctite™565), approximately 3 inch long patch (Figure 27). Tighten the gland nut with chain pliers (Figure 28).

Figure 27



Figure 28



For stages equipped with a dowel pin, drill a 3/16" diameter hole in the tube at 180 degrees from the previous dowel pin (Image C), the depth should be only 1/16" into the gland nut. Put a drop of bond glue (Loctite™ 222) in the newly made hole. Insert a new dowel pin and hammer the dowel pin until it is flat with the tube surface (Be careful not to damage the tube. Using the pointed punch, push some metal toward the dowel pin on each side (Figure 29).

Figure 29



Figure 30



Repeat steps 5, 6 and 7 for all stages of the cylinder.



Step 8:

Install the sleeve over the upper stages and secure it in place using a plastic hammer. The sleeve head must rest in the groove. If too loose or badly damaged, this part should be replaced. Contact your Mailhot Industries representative.

Finally, install and tighten the air bleeder (if equipped).

Install the cylinder on the truck.

Connect the cylinder to the hose(s).

If equipped with an air bleeder: The last step is to bleed any air that could be trapped in the cylinder. Fully extend the cylinder (dump body/trailer should be empty) for the first time. Then lower the cylinder to within a foot of the frame. Turn the bleeder in a counterclockwise direction, this opens the valve and will allow air to escape. When a steady flow of oil comes from the bleeder, turn the valve clockwise until the valve is closed.

Troubleshooting



Before using this section, be sure to review the procedures outlined in the INSTALLATION-RECOMMENDATIONS section of this manual.

PROBLEMS	PROBABLE CAUSES	SOLUTION
Pressure loss	<ul style="list-style-type: none"> • Safety valve is stuck in open position • Pump is broken 	<ul style="list-style-type: none"> • Clean or replace the safety valve • Change worn-out parts
Noisy pump	<ul style="list-style-type: none"> • Air is entering the hydraulic circuitry • Pump is running too fast • Pump is misaligned with the P.T.O. • Pump is broken 	<ul style="list-style-type: none"> • Look for infiltration and repair • Verify manufacturer's specifications and adjust • Correct alignment • Change worn-out parts
One or more stages of the cylinder stay open	<ul style="list-style-type: none"> • Pump flow is too high, plungers and gland nuts are jamming. • Pump is running too fast. 	<ul style="list-style-type: none"> • Verify if the pump is the one recommended for the type of cylinder used. • Use a lower P.T.O. coupling. • Install a limiting device
Cylinder is leaking oil	<ul style="list-style-type: none"> • Misalignment of the cylinder cradle or back hinge. • Seals are worn 	<ul style="list-style-type: none"> • Verify and correct alignment. • Change worn-out parts.
Stage or stages are scored.	<ul style="list-style-type: none"> • Misalignment of the cylinder cradle or back hinge. 	<ul style="list-style-type: none"> • Verify and rectify the alignment.
Cylinder opens and closes without smooth operation	<ul style="list-style-type: none"> • Oil tank is too small for the cylinder capacity. • Internal parts of the cylinder are worn. 	<ul style="list-style-type: none"> • Call your Mailhot Industries representative to obtain a tank size recommendation • Verify worn-out parts and replace them.
One of the stages does not work properly	<ul style="list-style-type: none"> • One of the plunger or gland nuts is swollen or not sliding smoothly. • Pressure from the pump is too low. • Air trapped inside cylinder 	<ul style="list-style-type: none"> • Verify and replace worn-out parts. • Verify and adjust pump pressure. • Bleed cylinder

The above table is only a general guide for troubleshooting. If you suspect a more serious problem, it is strongly recommended you contact the Mailhot Industries Inc. customer service representative in your region for assistance.

Warranty



A) DURATION

Mailhot Industries Inc. warranty starts at the date of invoice:

1. Non-nitrided cylinders and components, Mailhot branded hydraulic components and nitrided cylinder's components are covered with a one (1) year period against manufacturing defects or raw material defect.
2. Nitrided cylinders are covered for a two (2) year period against all manufacturing or material defects.

B) COVERAGE

1. Warranty mentioned in paragraph A applies to defective parts only and actual work done on those parts by Mailhot Industries Inc. employees, at a designated and authorized Mailhot Industries service center, or by a third party, provided there is an agreement between Mailhot Industries Inc. and the buyer. In all these cases, a Return Goods Authorization (R.G.A.) number must be issued by Mailhot Industries Inc. or its authorized representative. Notwithstanding the above, Mailhot Industries Inc. reserves the right to replace, in all or in part, or to credit product covered by this warranty.
2. Costs and expenditures caused by the removal and reinstallation of the defective product from "Mailhot Industries Inc" are at the buyer's expense. If the product is defective and this defectiveness is covered by the present warranty, Mailhot Industries Inc. will reimburse to the buyer costs according to the agreement negotiated when the Return Goods Authorization number was issued.
3. This warranty is ruled with a maximal workmanship allowance according to the case and region. You must call Mailhot Industries Inc. to get all details.
4. All product must be returned to Mailhot Industries Inc. or its authorized representative using ground transportation and prepaid. If the product is defective and this defectiveness is covered with the present warranty, Mailhot Industries Inc will reimburse to the buyer costs of transport as agreed when the Returned Merchandise Authorization number was issued.

C) NON COVERAGE (EXCLUSIONS)

This Mailhot Industries Inc. warranty does not apply to:

1. Modification on Mailhot hydraulic components, cylinder and/or it's components;
2. Bad maintenance on Mailhot hydraulic components, cylinder and/or it's components;
3. Abusive use of Mailhot hydraulic components, cylinder and/or it's components;
4. Installation or use not according to instructions supplied in maintenance manual for the purchased product;
5. Use of Mailhot hydraulic components and/or cylinder and/or components after a defect has been found, a functional defect or any defect that would interfere with the normal use;
6. Any non-authorized repair of a Mailhot component and/or cylinder and/or it's components;
7. Any damage or defect caused by an impact or accident on the vehicle or the equipment where the Mailhot component and/or cylinder and/or it's component was installed;
8. Any Mailhot hydraulic components, cylinder and/or it's components working under excessive working pressure specified by Mailhot Industries Inc.;
9. Any Mailhot hydraulic components, cylinder and/or it's components within an hydraulic system not equipped with a filtering system as described in the maintenance manual;
10. Any traveling fees from the buyer to verify a related problem to the Mailhot hydraulic components, cylinder and/or it's components;
11. Any expenses for lubricant or workshop expenditures



12. Any expenses for repainting a Mailhot hydraulic components, cylinder and/or it's components
13. Failing to report within 30 days to Mailhot Industries Inc. or it's authorized representative about the knowledge of a defect or breakage of a Mailhot hydraulic components, cylinder and/or it's components;
14. Normal wear of seals or wear caused by contamination.
15. Inadequate warehousing of the product (refer to the maintenance manual)

D) RESPONSIBILITY EXCLUSION

Mailhot Industries Inc. will not be liable for the consequential damages or contingent liabilities, including, but not limited to, loss of life, personal injury, loss of business income, downtime costs and trade, or other commercial loss arising out of the failure of Mailhot cylinder or hydraulic component covered by present warranty.

E) ELECTED PLACE OF RESIDENCE

Mailhot Industries Inc. and the buyer agree, for any and all claims, or lawsuit for any reason whatsoever, in relation with present agreement, to choose the law district of Joliette, province of Quebec, Canada, as the proper place of auditions of claims or lawsuits to the exclusion of any other law district that could have jurisdiction on such claims or lawsuit, as prescribed by the law.