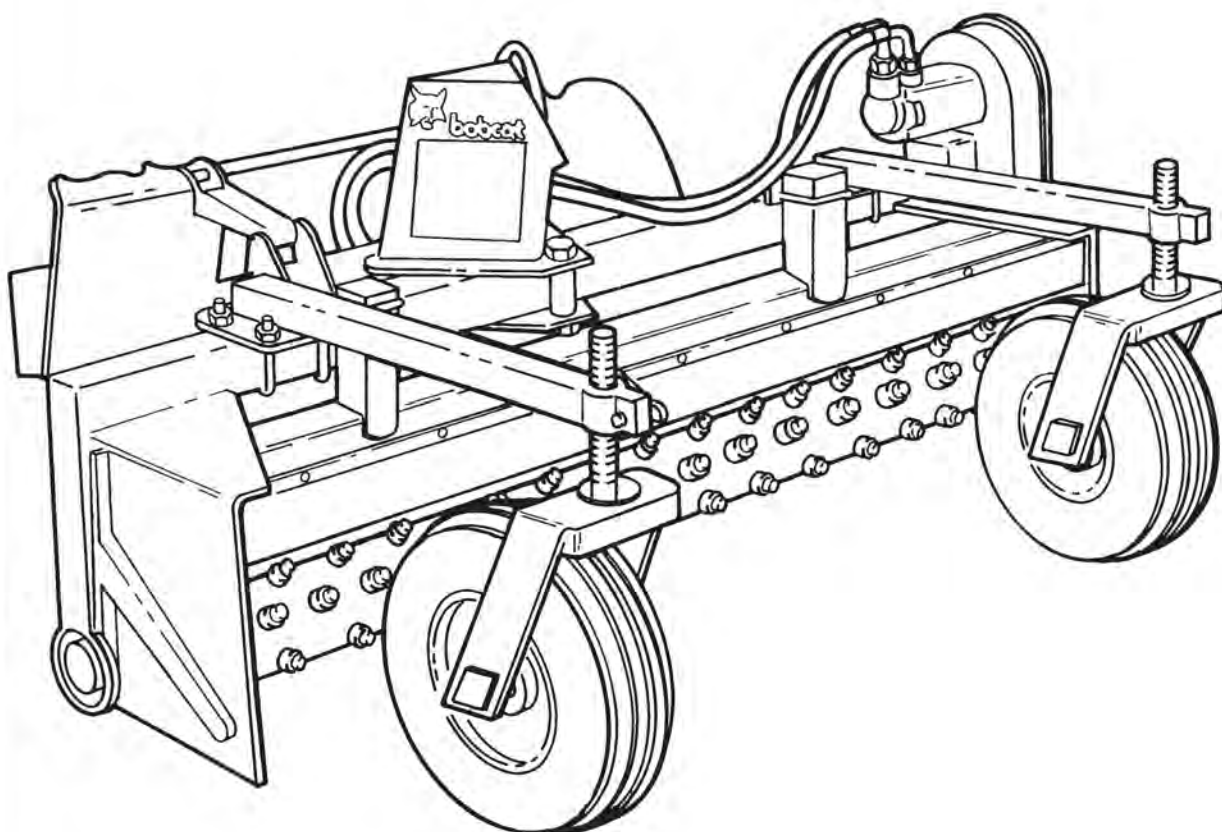




POWER RAKE

S/N 925100101 & Above

Service Manual



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**MELROE
INGERSOLL-RAND**

6900891 (6-12)
1 of 62

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MAINTENANCE SAFETY



WARNING

Instructions are necessary before operating or servicing machine. Read and understand the Operation & Maintenance Manual, Operator's Handbook and signs (decals) on machine. Follow warnings and instructions in the manuals when making repairs, adjustments or servicing. Check for correct function after adjustments, repairs or service. Untrained operators and failure to follow instructions can cause injury or death.

W-2003-0903











Safety Alert Symbol: This symbol with a warning statement, means: "Warning, be alert! Your safety is involved!" Carefully read the message that follows.

CORRECT



B-10731a

-  **Never service attachments without instructions. See Operation & Maintenance Manual and Attachment Service Manual.**
-  **Cleaning and maintenance are required daily.**
-  **Never service or adjust attachment with the engine running unless instructed to do so in manual.**
-  **Always lower the attachment to the ground before lubricating or servicing.**
-  **Avoid contact with leaking hydraulic fluid or diesel fuel under pressure. It can penetrate skin or eyes.**
-  **Stop, cool and clean engine of flammable materials before checking fluids.**
-  **Keep body, loose objects and clothing away from moving parts, electrical contacts, hot parts and exhaust.**
-  **Safety glasses are needed for eye protection from electrical arcs, battery acid, compressed springs, fluids under pressure and flying debris or when tools are used. Use eye protection approved for type of welding.**

**Thanks very much for your reading,
Want to get more information,
Please click here, Then get the complete
manual**

JustClickHere 

NOTE:

**If there is no response to click on the link above,
please download the PDF document first, and then
click on it.**

**Have any questions please write to me:
admin@servicemanualperfect.com**



Bobcat®

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**PREVENTIVE
MAINTENANCE**

**HYDRAULIC
SYSTEM**

MAIN FRAME

**SPECIFICATIONS
AND
SCHEMATICS**

**CALIFORNIA
PROPOSITION 65 WARNING**

Diesel engine exhaust and some of its
constituents are known to the State of California
to cause cancer, birth defects and other
reproductive harm.

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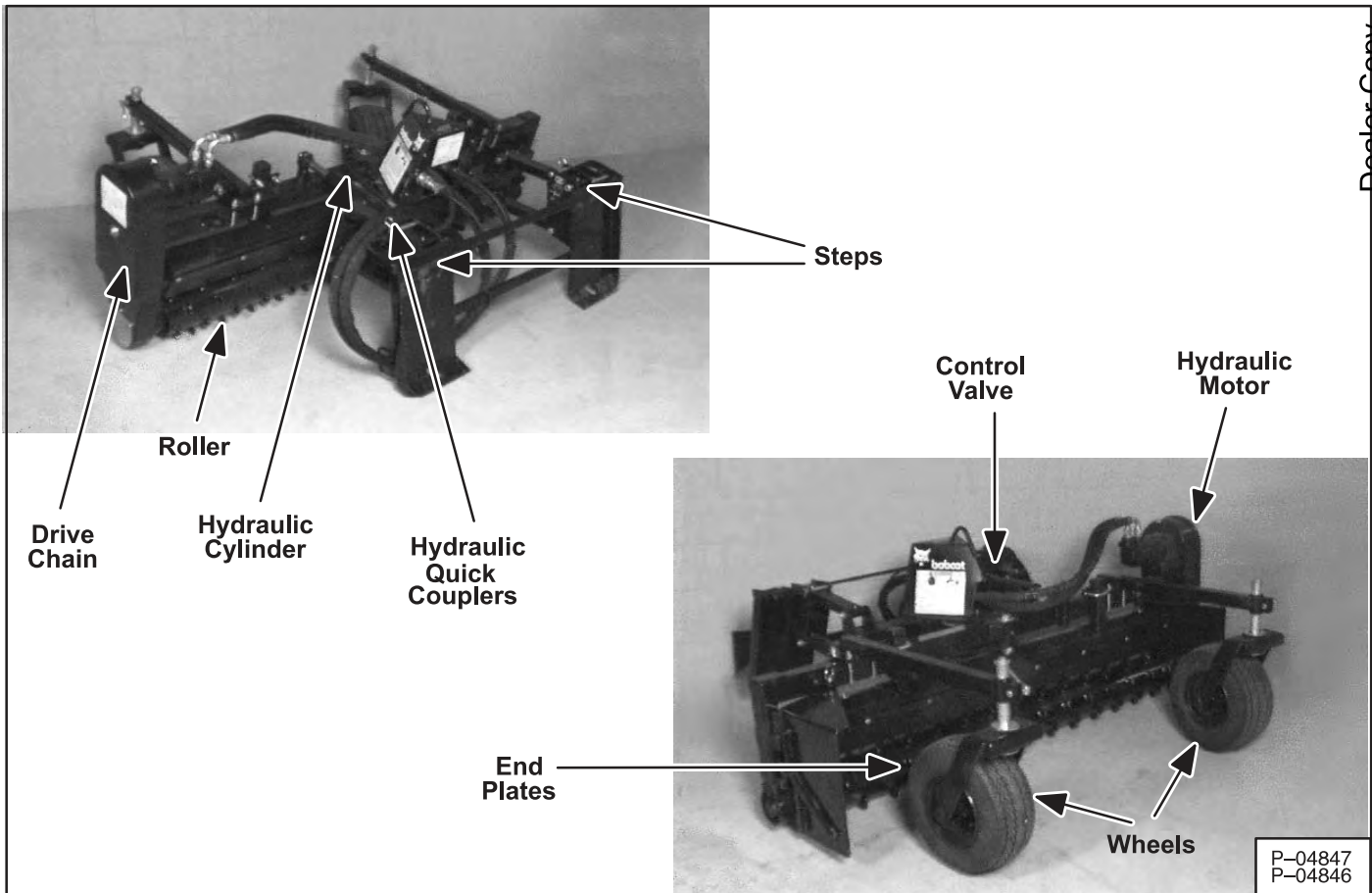


SERIAL NUMBER LOCATION

Always use the serial number of the machine when requesting service information or when ordering parts. Early or later models (identification made by serial number) may use different parts, or it may be necessary to use a different procedure in doing a specific service operation [A].



IDENTIFICATION



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PREVENTIVE MAINTENANCE

PREVENTIVE
MAINTENANCE

	Page Number
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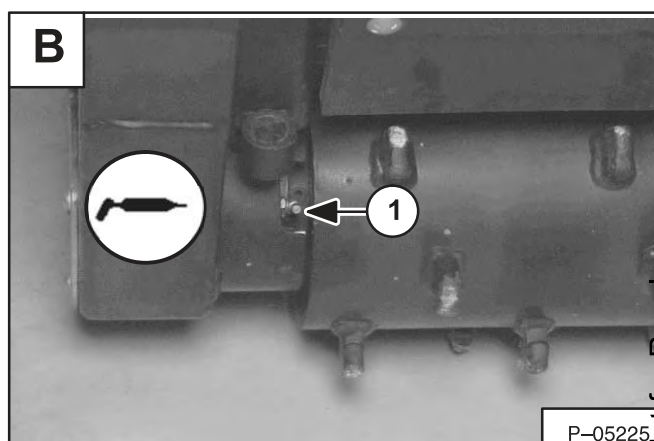
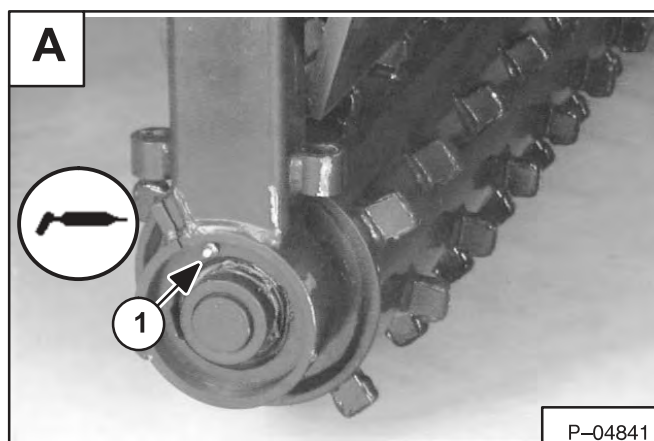


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LUBRICATION

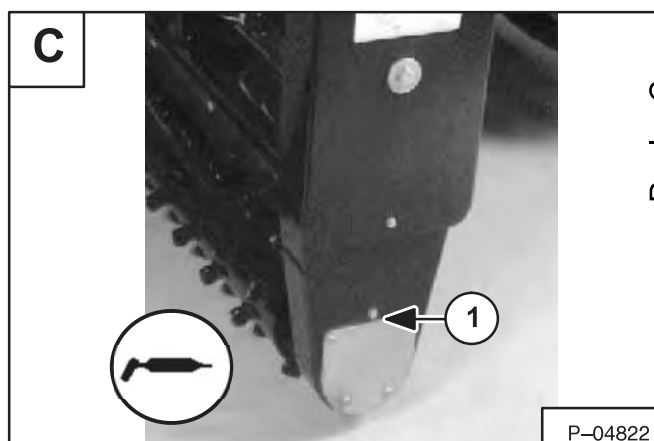
Daily Lubrication

Lubricate the bearings at each end of the roller (Item 1 **[A]** & **[B]**).

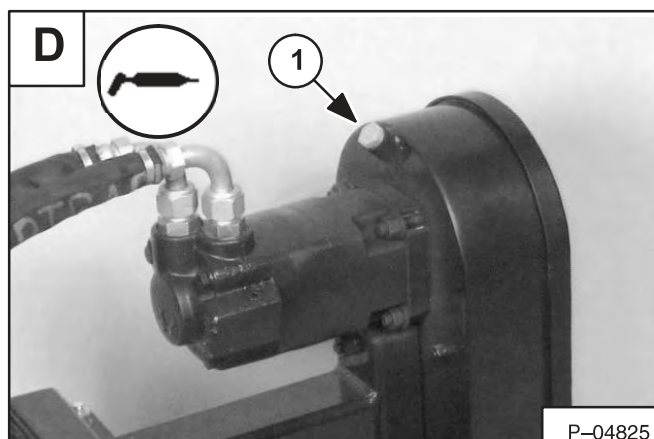


Check the oil level in the chain case by removing the plug (Item 1) **[C]**.

Oil must be at the hole when the plug is removed.



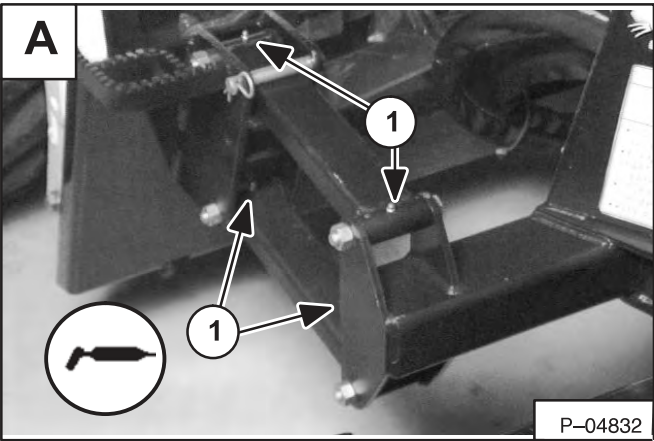
If oil is not at the check plug (Item 1 **[C]**), remove plug (Item 1) **[D]** and add 140 wt. oil until oil is at the check plug hole.



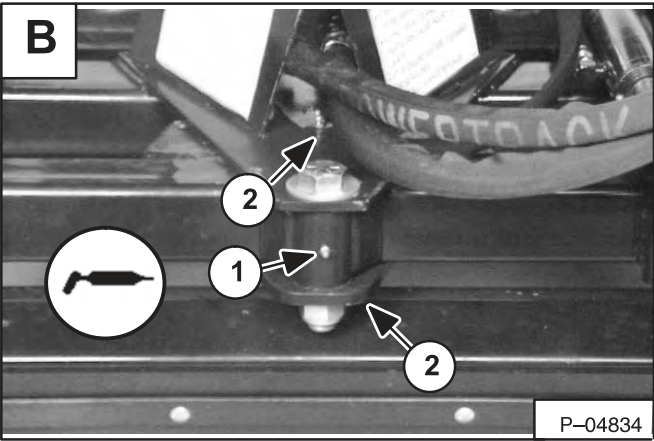
LUBRICATION (Cont'd)

Weekly Lubrication

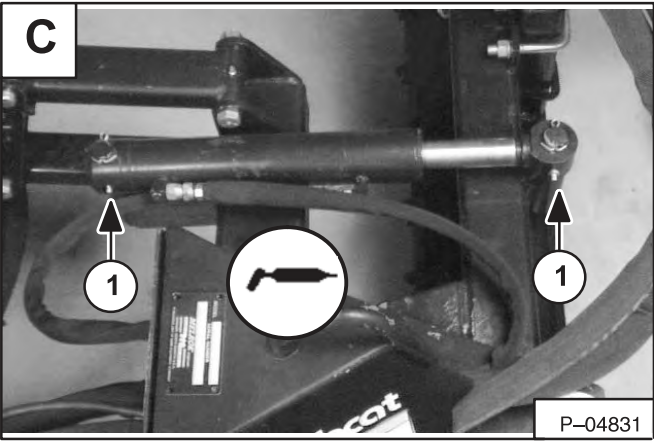
Add grease to the eight fittings (four on each side) (Item 1) [A] on the parallel arms.



Add grease to the center pivot bushing (Item 1) [B] and pivot plate (Item 2) [B] top and bottom.

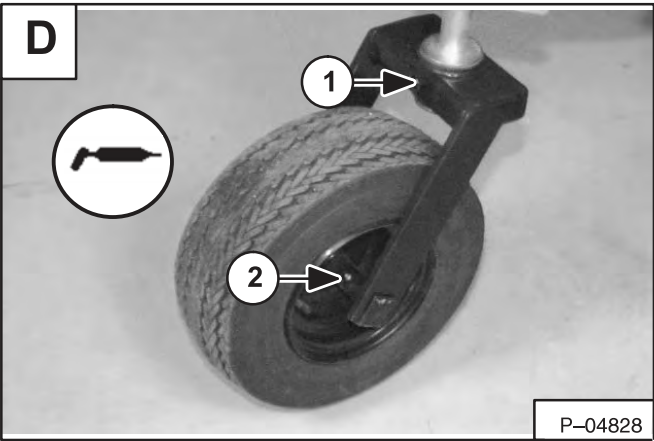


Add grease to the fittings (Item 1) [C] on both ends of the cylinder.



Add grease to the fitting on the caster wheel pivot bearing (Item 1) [D] and the wheel bearing fitting (Item 2) [D].

NOTE: Tire pressure is 45 PSI (310 kPa).



HYDRAULIC SYSTEM

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HYDRAULIC SYSTEM

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HYDRAULIC CYLINDER

Checking For Internal Leakage

NOTE: Be sure to retract the cylinder rod fully when pressuring the rod end.

Check only one cylinder at a time.

Disconnect the hose (Item 1) [A] from the cylinder base end port.

Install a plug in the hose and tighten the plug.

Get in the operator seat.

Lower the seat bar, engage the parking brake and start the engine.

Engage the auxiliary hydraulics and pressurize the rod end of the cylinder until system relief pressure is reached. Hold for one minute over the system relief pressure.

There should be no leaks at the base end port.

If there is leakage from the open base end port of the lift cylinder, remove the lift cylinder for repair.

Removal And Installation

IMPORTANT

When repairing hydrostatic and hydraulic systems, clean the work area before disassembly and keep all parts clean. Always use caps and plugs on hoses, tubelines and ports to keep dirt out. Dirt can quickly damage the system.

I-2003-0888

Remove the hoses (Item 1) [B] from the cylinder fittings.

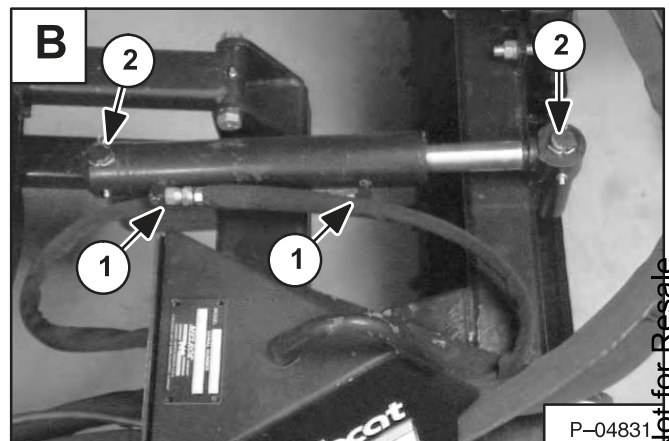
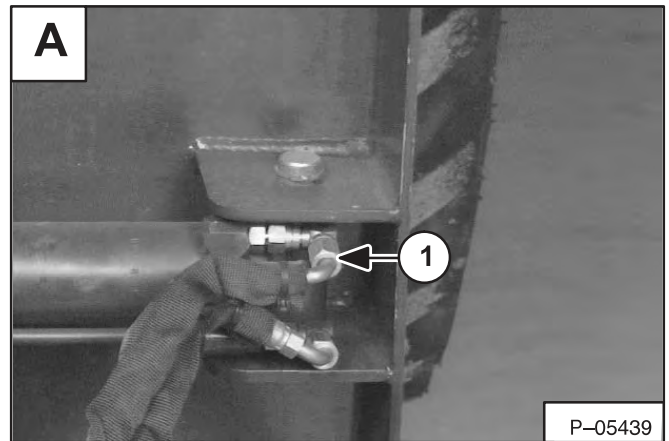
IMPORTANT

Contain and dispose of any oil leakage in an environmentally safe manner.

I-2066-0395

Remove the retainers from the cylinder mounting pins (Item 2) [B].

Remove the cylinder.

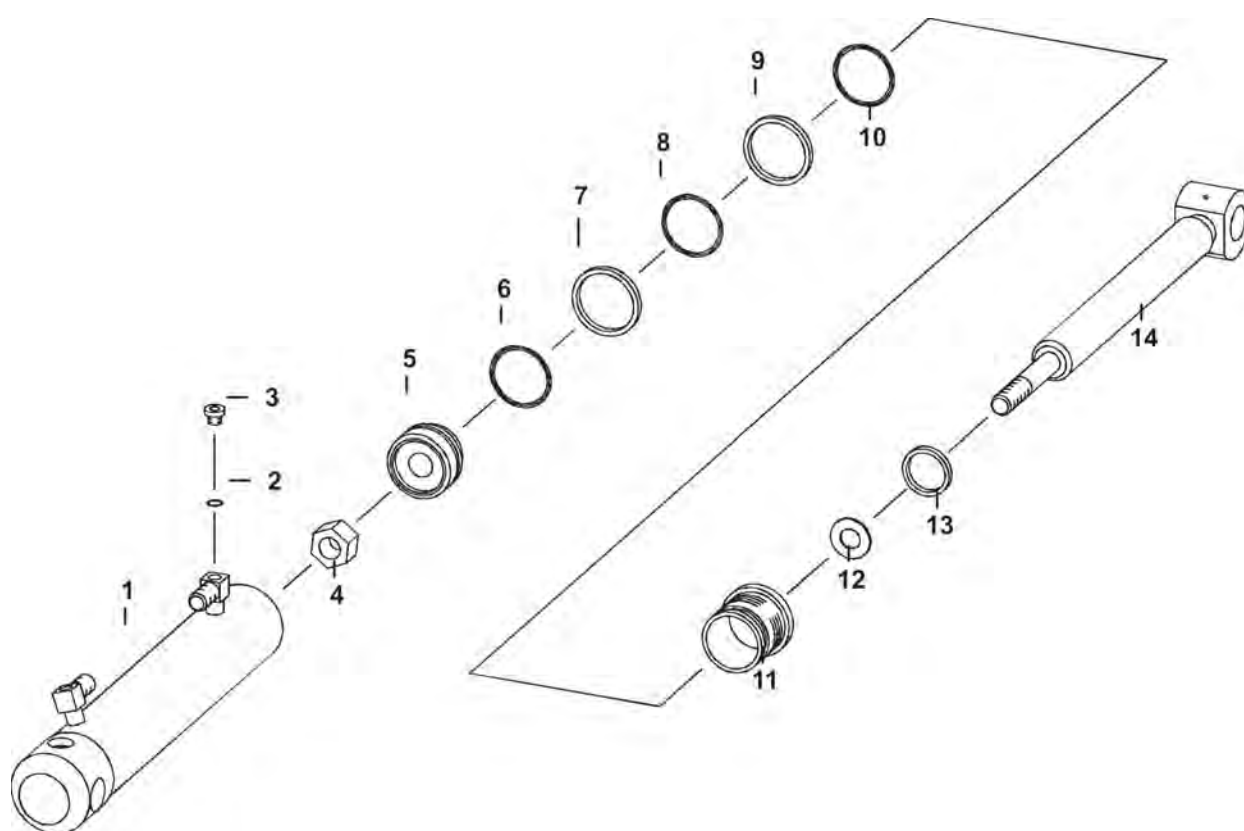


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HYDRAULIC CYLINDER (Cont'd)

Parts Identification

1. Case
2. O-ring
3. Plug
4. Nut
5. Piston
6. O-ring
7. Seal
8. O-ring
9. Backup ring
10. O-ring
11. Head
12. Seal
13. Wiper
14. Rod



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