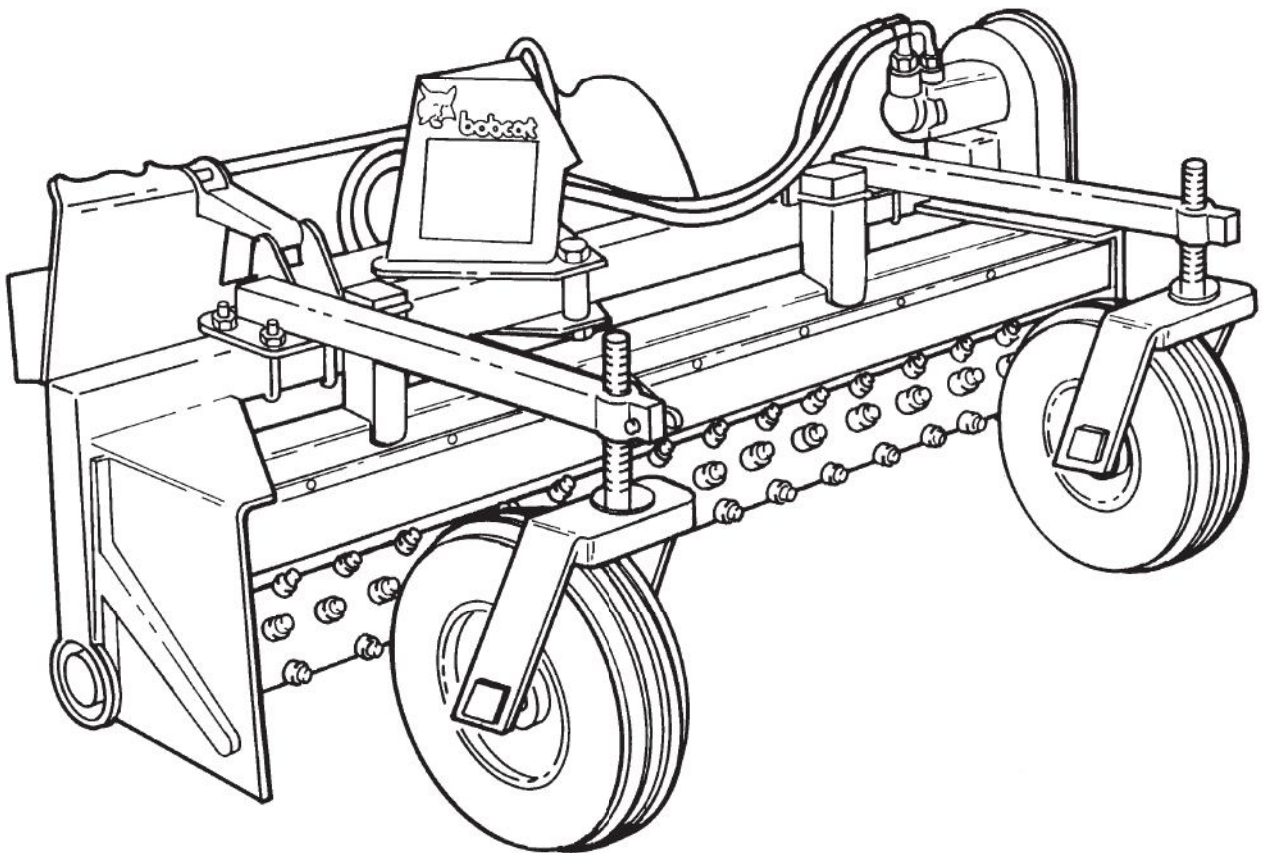




POWER RAKE

S/N 925100101 & Above

Service Manual



**MELROE
INGERSOLL-RAND**

6900891 (6-12)
1 of 62

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MAINTENANCE SAFETY



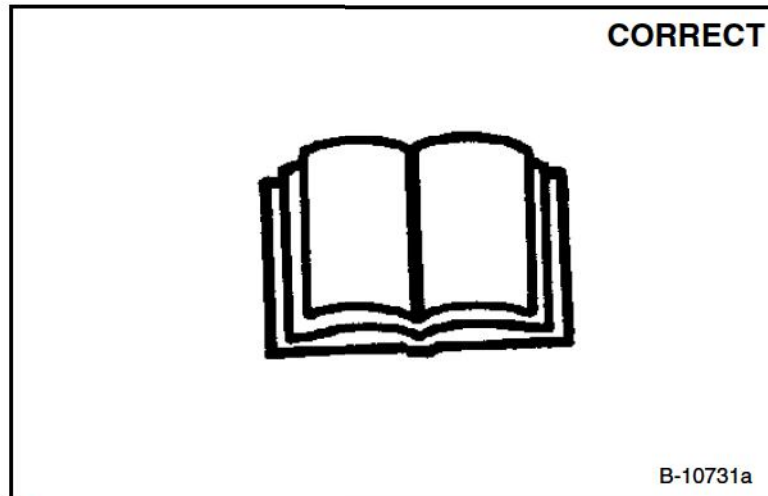
WARNING









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.



-  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.

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**PREVENTIVE
MAINTENANCE**

**HYDRAULIC
SYSTEM**

MAIN FRAME

**SPECIFICATIONS
AND
SCHEMATICS**

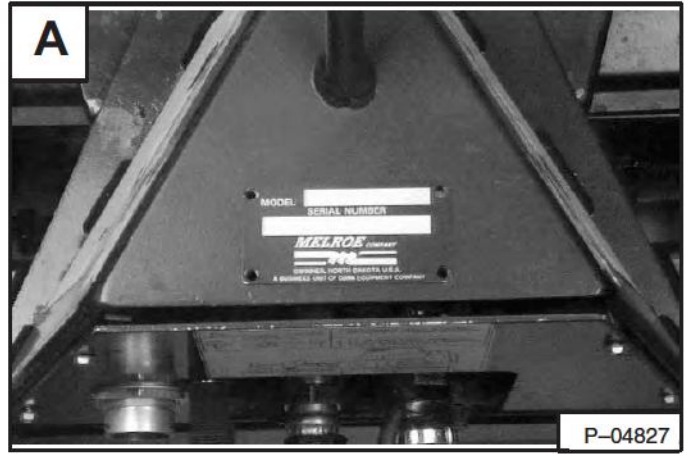
**CALIFORNIA
PROPOSITION 65 WARNING**

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

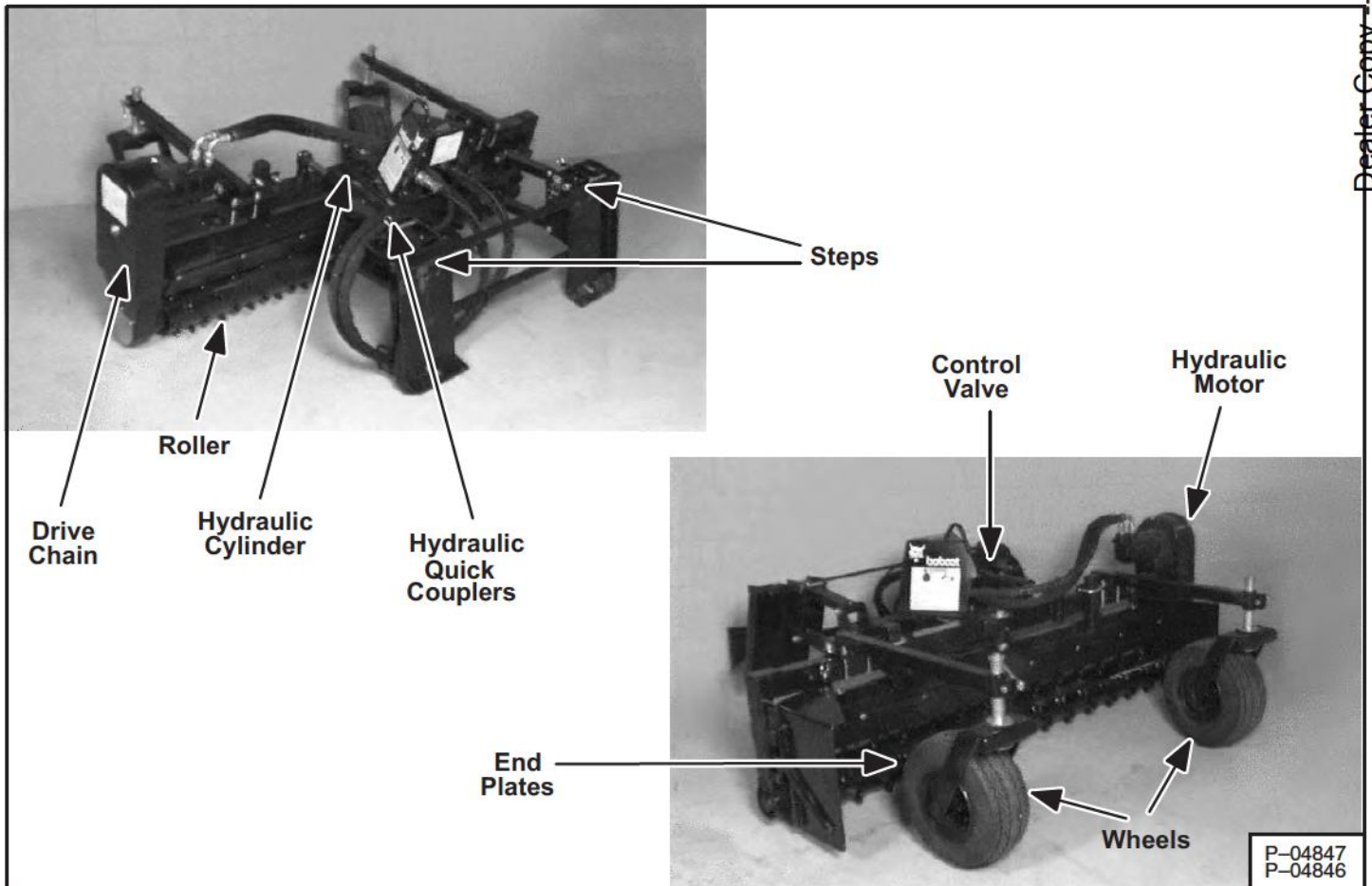
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SERIAL NUMBER LOCATION

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

LUBRICATION

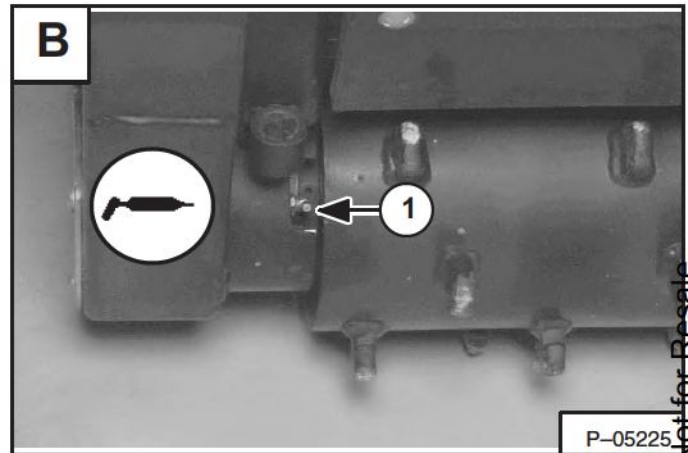
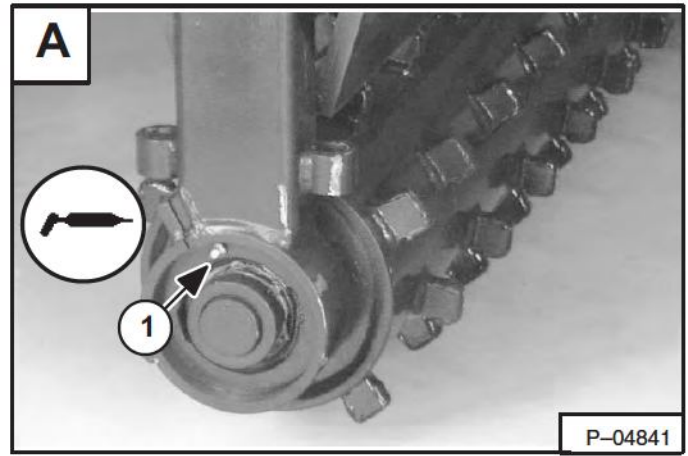
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LUBRICATION

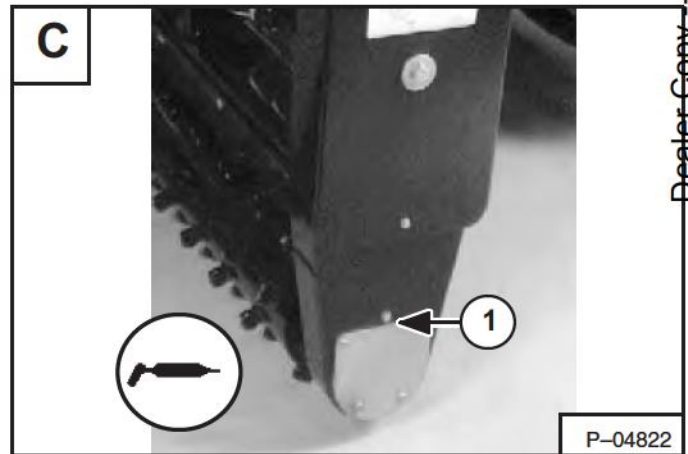
Daily Lubrication

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

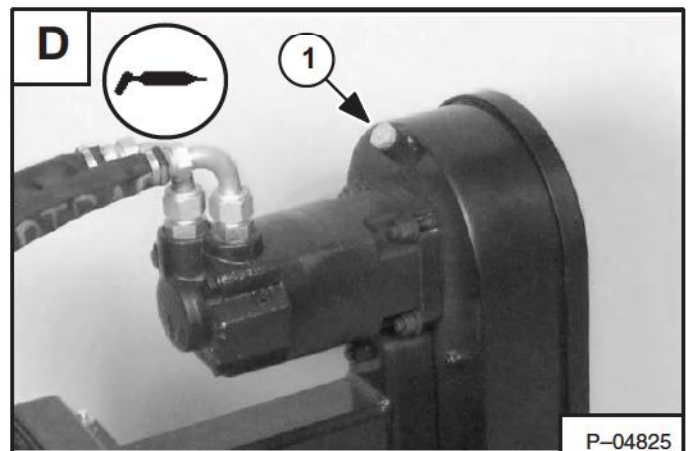


Check the oil level in the chain case by removing the plug (Item 1) [C].

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



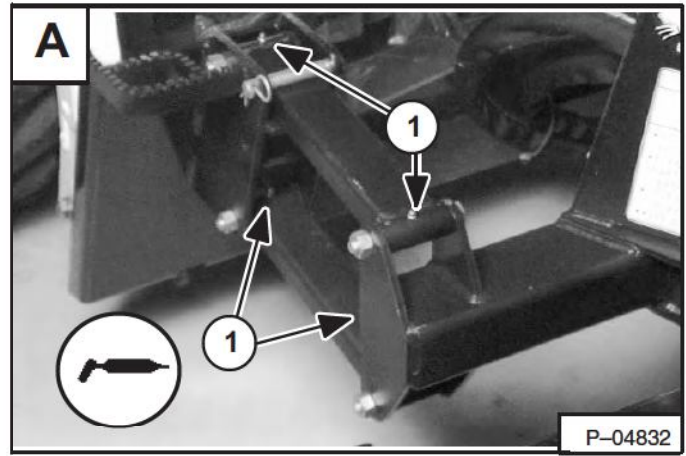
If oil is not at the check plug (Item 1[C]), remove plug (Item 1) [D] and add 140 wt. oil until oil is at the check plug hole.



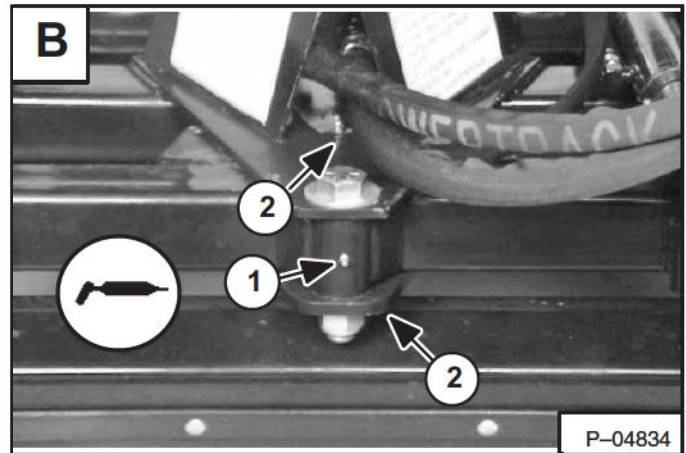
LUBRICATION (Cont'd)

Weekly Lubrication

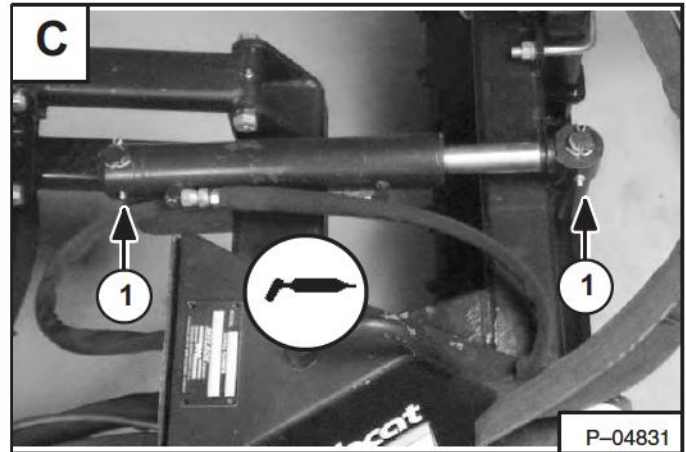
Add grease to the eight fittings (four on each side) (Item 1) [A] on the parallel arms.



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

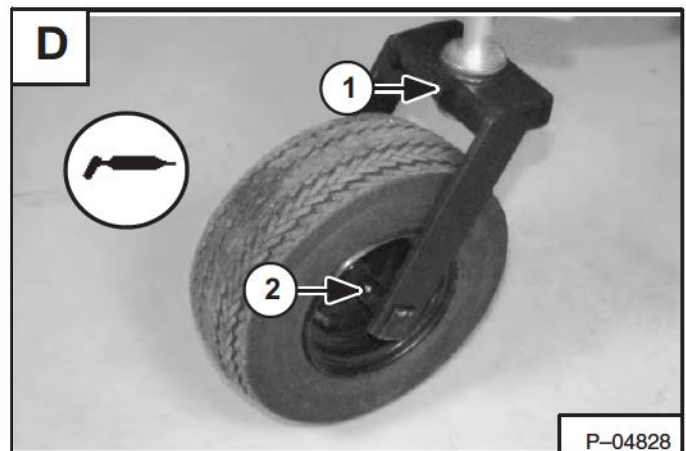


Add grease to the fittings (Item 1) [C] on both ends of the cylinder.



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).



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HYDRAULIC SYSTEM

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