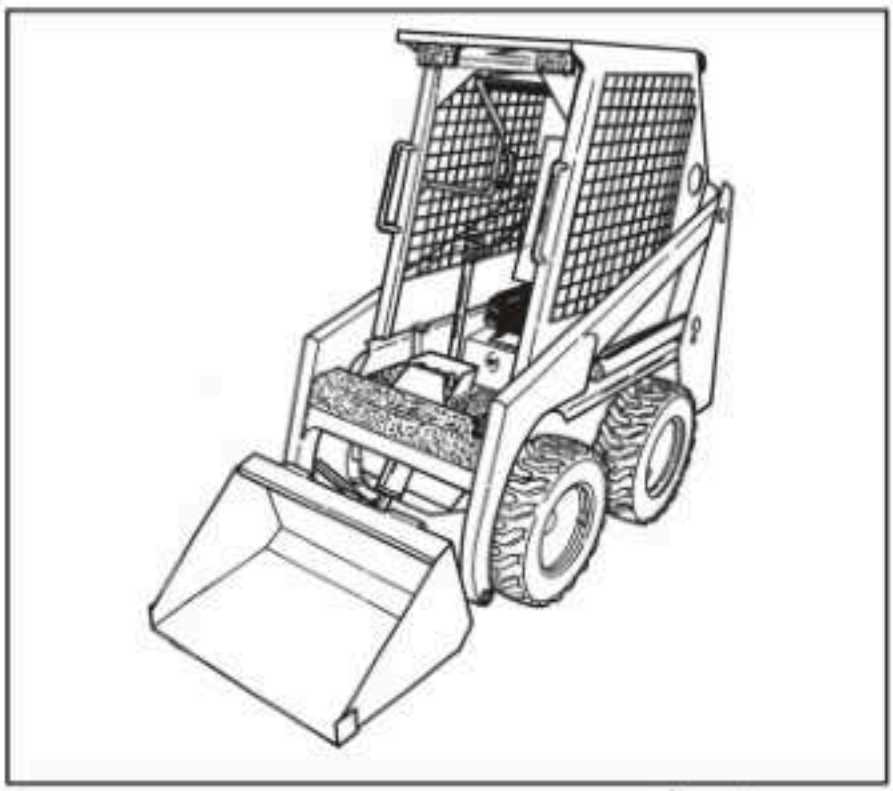
443

Operation & Maintenance Manual



MELROE
INGERSOLL-RAND

bobcat

6566477 (7-96) Revised (11-98) Printed in U.S.A.

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REFERENCE INFORMATION

Write the correct information for YOUR Bobcat loader in the spaces below. Always use these numbers when referring to your Bobcat loader.

Loader Serial Number ..... _____
Engine Serial Number ..... _____
_____
_____
_____

NOTES: _____
_____
_____
_____
_____
_____

YOUR BOBCAT LOADER DEALER: _____
ADDRESS: _____
PHONE: _____

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HYDRAULIC CONTROLS

Foot Pedals (Hydraulics)

⚠ WARNING

AVOID INJURY OR DEATH

When operating the machine:

- **Keep the seat belt fastened snugly.**
- **The seat bar must be lowered.**
- **Keep your feet on the pedal controls.**

W-2046-0595

Put your feet on the pedals and KEEP THEM THERE any time you operate the loader.

Two foot pedals (Item 1) **[A]** control the hydraulic cylinders for the tilt function and lift functions.

Lift Arm Operation:

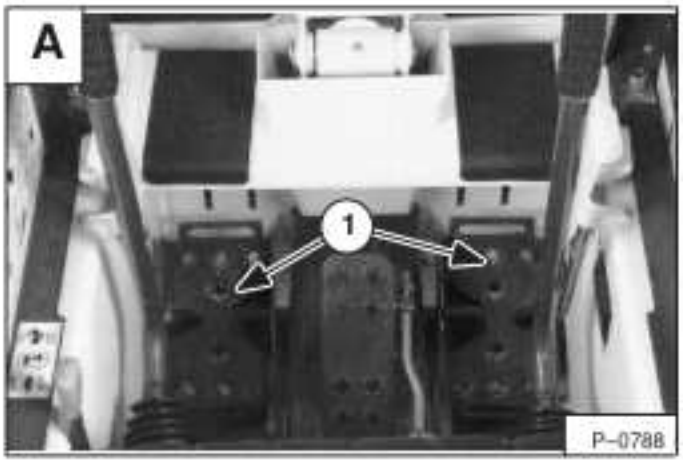
The left pedal controls the lift arms. Pushing on the bottom (heel) (Item 1) **[B]** of the pedal raises the lift arms.

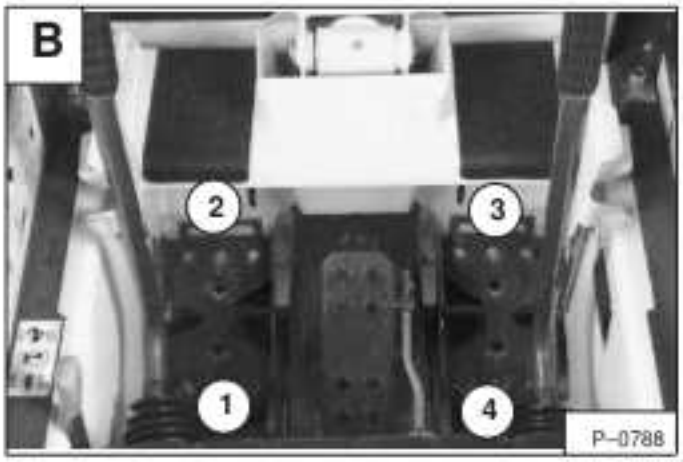
Push on the top (toe) (Item 2) **[B]** of the pedal to lower the lift arms.

Tilt (Bucket) Operation:

The right pedal controls the bucket. Push the top (toe) (Item 3) **[B]** of the pedal to tilt the bucket forward.

Push the bottom (heel) (Item 4) **[B]** of the pedal to tilt the bucket backward.





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FUEL SYSTEM

Specification

Use only specification high quality fuel. Use Grade No. 2 fuel above 40°F. (4°C.). Use Grade No. 1 fuel at temperatures below 40°F. (4°C.).

⚠ WARNING

Stop and cool the engine before adding fuel. NO SMOKING! Failure to obey warnings can cause an explosion or fire. W–2063–0887

Always clean up spilled fuel or oil. Keep heat, flames, sparks or lighted tobacco away from fuel and oil. Failure to use care around combustibles can cause explosion or fire which can result in injury or death. W–2103–1285

Filling the Fuel System

NOTE: The fuel gaug (Item 1) [A] and fuel shut–off valve (Item 2) [A] are located on the right side of the loader.

Remove the filler cap (Item 1) **[B]** located on the left side of the loader.

Use clean, approved safety container to add fuel of the correct specification.

The engine must be STOPPED and cool.

Add fuel only in an area that has a free movement of air and no open flames or sparks. NO SMOKING! **[C]**.

Install and tighten the cap on the fuel tank.

Fuel Filter

The fuel filter is located at the right hand side of the engine compartment below the air cleaner **[D]**.

See the Service Schedule Page 25 for the service interval when to remove the water from the fuel filter.

Close the shut–off valve (Item 2) **[A]**.

Loosen the drain (Item 1) **[D]** at the bottom of the filter element to drain the water from the filter. Tighten the drain plug.

Open the shut–off valve (Item 2) **[A]**.

See the Service Schedule Page 25 for the service interval when to replace the fuel filter

Clean the area around the fuel filter. Close the shut–off valve (Item 2) **[A]**.

Loosen the fuel filter bolt (Item 2) **[D]**.

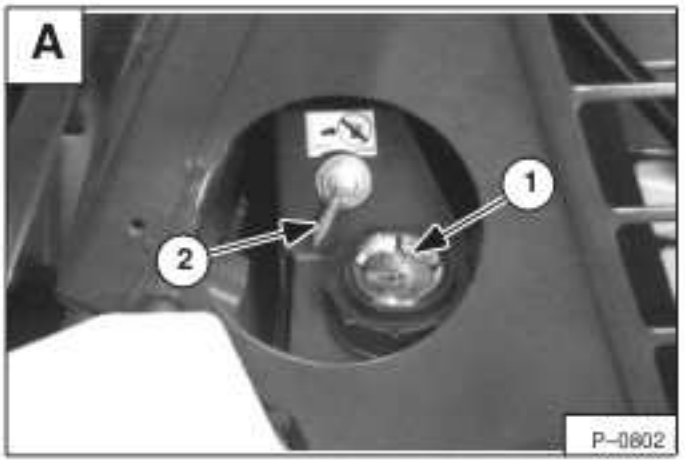
Remove the water trap and fuel filter **[D]**.

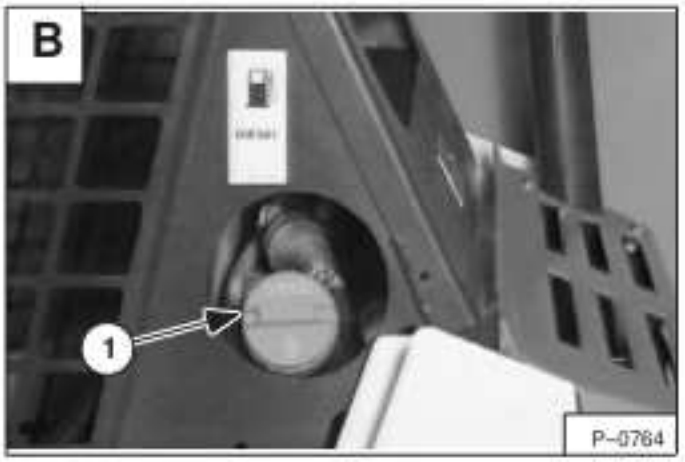
Replace the seals as needed.

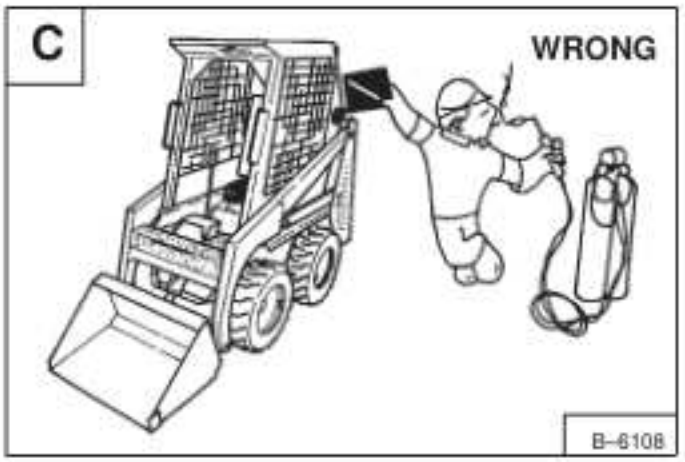
Install the new filter element and water trap.

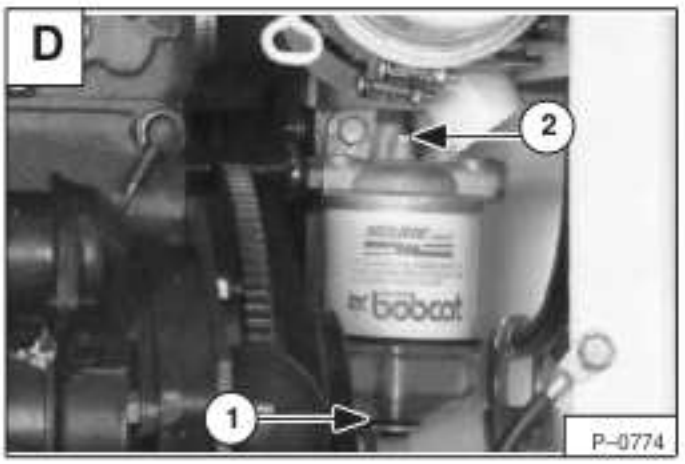
Tighten the fuel filter bolt.

Open the shut–off valve (Item 2) **[A]**.









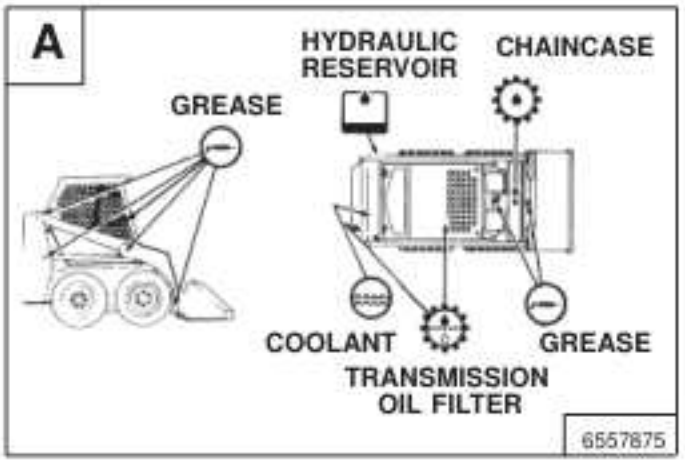
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LUBRICATION OF THE BOBCAT LOADER

Lubricate the Bobcat loader as specified in the Service Schedule Page 25 for the best performance of the loader.

Always use a good quality lithium based multi–purpose grease when you lubricate the loader. Apply the lubricant until the extra grease shows.

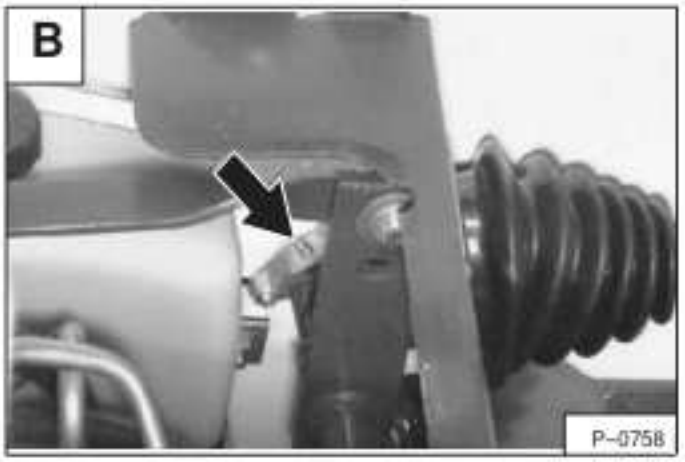
Lubricate the following locations on the loader **[A]**.

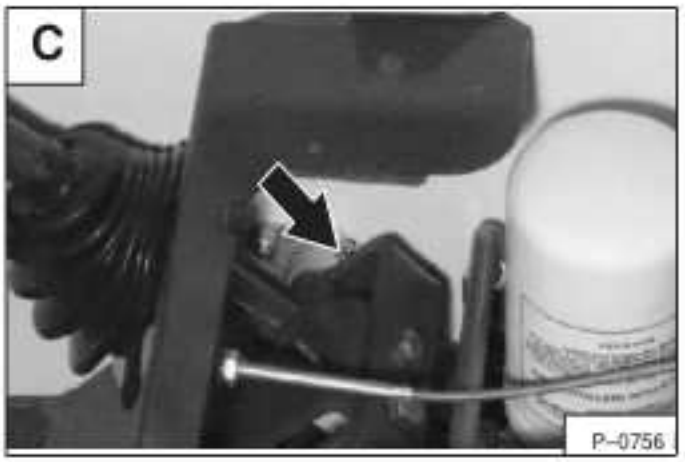


Every 250 Hours:

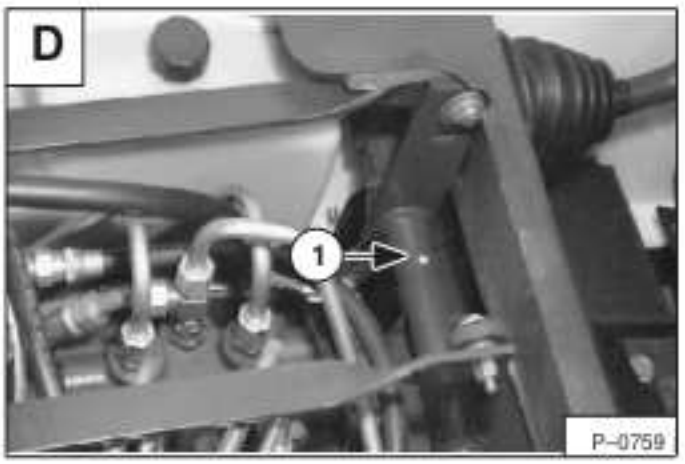
Raise the operator cab. (See Page 26.)

Grease the pivot bearings **[B]** & **[C]**.





Add oil or grease as needed to the steering control shaft (Item 1) **[D]**.



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BEFORE OPERATING THE BOBCAT LOADER

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

⚠ WARNING

Operator must have instructions before running the machine. Untrained operators can cause injury or death.

W–2001–1285



B–10731

The Bobcat loader must be in good operating condition before use.

Check all of the items on the Service Schedule under the 8–10 hour column or as shown in this Manual.

⚠WARNING

Warnings on the machine and in the manuals are for your safety. Failure to obey warnings can cause injury or death.

W–2044–1285

IMPORTANT

This notice identifies procedures which must be followed to avoid damage to the machine.

I–2019–0284

SAFE OPERATION NEEDS A QUALIFIED OPERATOR*

A QUALIFIED OPERATOR MUST DO THE FOLLOWING:

- UNDERSTAND THE WRITTEN INSTRUCTIONS, RULES AND REGULATIONS
  - The written instructions from Melroe Company include the Delivery Report, Operation & Maintenance Manual, Operator's Handbook, EMI Safety Manual and machine signs (decals).
  - Check the rules and regulations at your location. The rules may include an employer's work safety requirements. Regulations may apply to local driving requirements or use of Slow Moving Vehicle emblem. Regulations may identify a hazard such as a utility line.
- HAVE TRAINING WITH ACTUAL OPERATION
  - Operator training must consist of a demostration and verbal instruction. This training is given by your dealer before the loader is delivered.
  - The new operator must start in an area without bystanders and use all the controls until he can operate the loader safely under all conditions of the work area. Always fasten seat belt and lower seat bar before operating.
  - The Skid Steer Loader Operator Training Course is available in English and Spanish. The course provides information for safe and efficient operation. See your dealer for availability.
- KNOW THE WORK CONDITIONS
  - For each material to be handled, the operator must know how to avoid exceeding the rated operating capacity of the loader. For example, in handling certain loose material with a given bucket, he must know whether he can safely take a full load, or only part of a bucket load.
  - The operator must know any prohibited uses or work areas, for example, he needs to know about excessive slopes.
  - Know the location of any underground lines. Call local utilities or the TOLL FREE phone number found in the *SAFETY INSTRUCTIONS* Section of this manual.
  - Wear tight fitting clothing. Always wear safety glasses when maintaining or servicing loader. Safety glasses, hearing protection or loader special applications kit are required for some work. See your dealer about Melroe Safety equipment.

* For an operator be qualified, he must not use drugs or alcoholic drinks which impair his alertness or coordination while working. An operator who is taking prescription drugs must get medical advice to determine if he can safely operate a machine.

SI02–0598

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