742B

Operation & Maintenance Manual

(S/N 509418000 & Above)



MELROE
INGERSOLL-RAND

bobcat

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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.

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 LOADER DEALER: _____
ADDRESS: _____
PHONE: _____

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HYDRAULIC CONTROLS

Foot Pedals

⚠ WARNING

Keep both feet on pedals while operating machine. Failure to do so can cause serious injury.

W–2002–1285

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

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

Lift Arm Operation

The left pedal controls the lift arms. Push on the bottom (heel) (Item 2) of the pedal to raise the lift arms **[A]**.

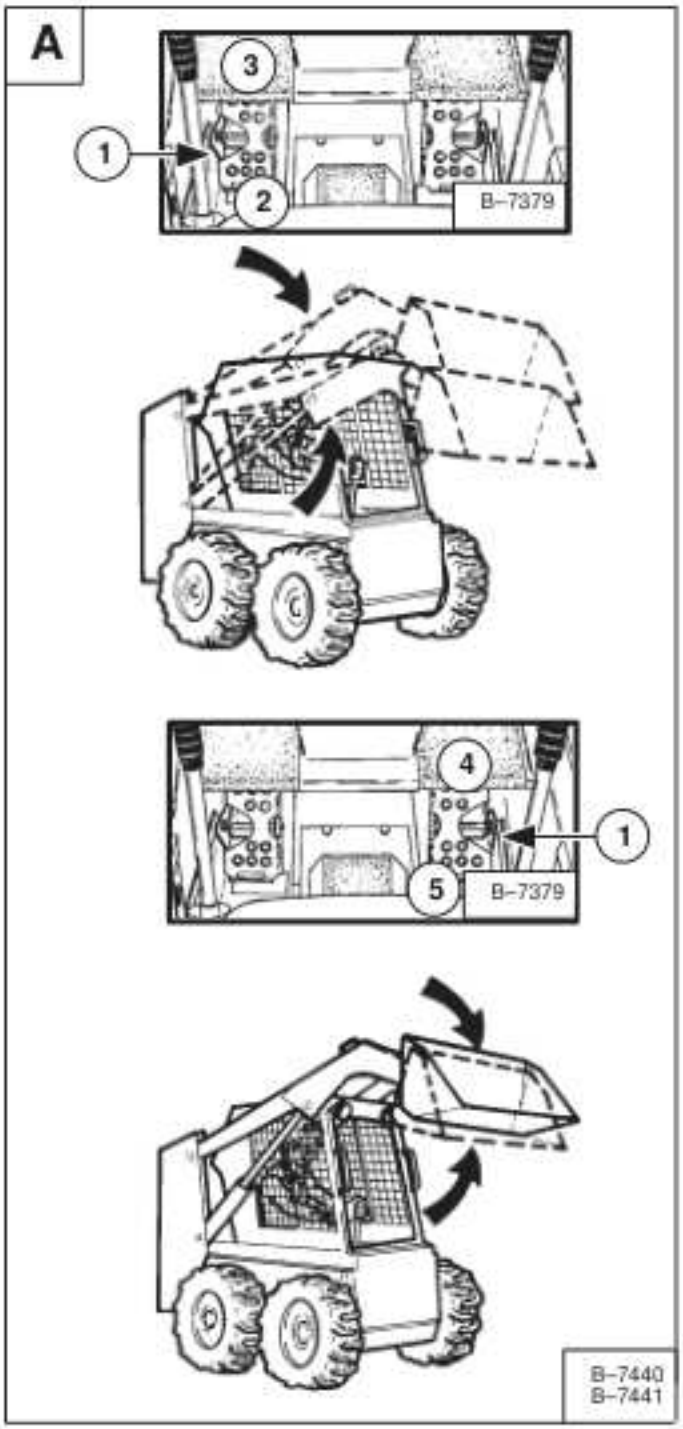
Push on the top (toe) (Item 3) of the pedal to lower the lift arms **[A]**. Use the "Float" position of the lift arms to level loose material while driving backward.

The optional bucket position valve, will keep the bucket at a level position when the lift arms are being raised.

Tilt Operation (Bucket)

The right pedal controls the action of the bucket. Push the top (toe) (Item 4) of the pedal to tilt the bucket forward **[A]**.

Push the bottom (heel) (Item 5) of the pedal to tilt the bucket backward **[A]**.



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ENGINE LUBRICATION SYSTEM (Cont'd)

Fill to capacity **[A]**(See Specification Section, Page 65).

Start the engine and let it run or about 5 minutes. Check for leaks at the filer. Check the oil level. Add oil until the level is at the "FULL" mark on the dipstick. Install the oil filler cap.

NOTE: DO NOT overfill the crankcase.



Record the operating hours of the loader on the decal inside the rear door **[B]** .



⚠ WARNING

Always clean up spilled fuel or oil. Keep heat, flames, sparks and 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.

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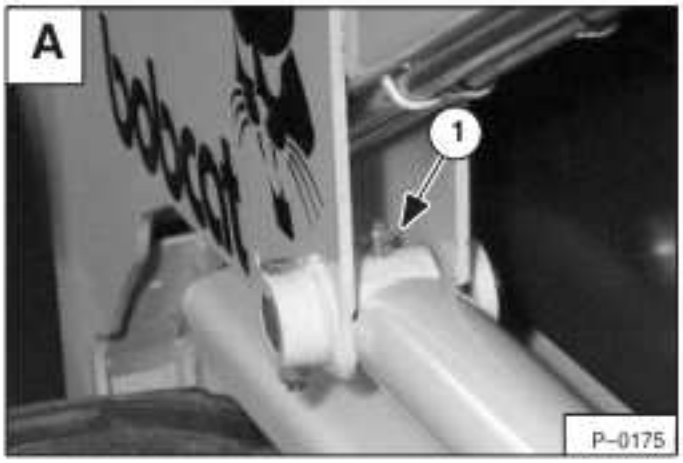
LUBRICATION OF THE BOBCAT LOADER

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

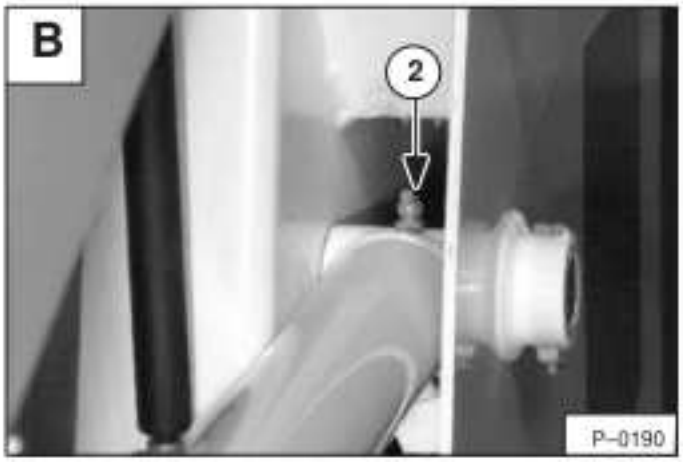
Always use a good quality lithium based multi–purpose grease when you lubricate the loader. Apply the lubricant until the extra grease shows.

Lubricate the following locations on the loader:

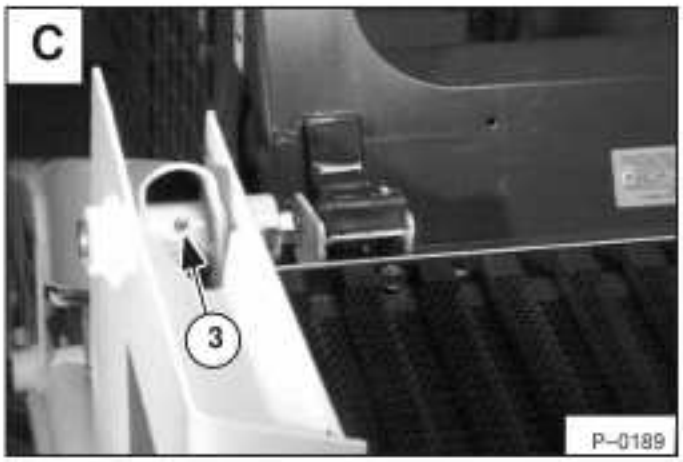
1. Rod End Lift Cylinder (both sides) **[A]**.



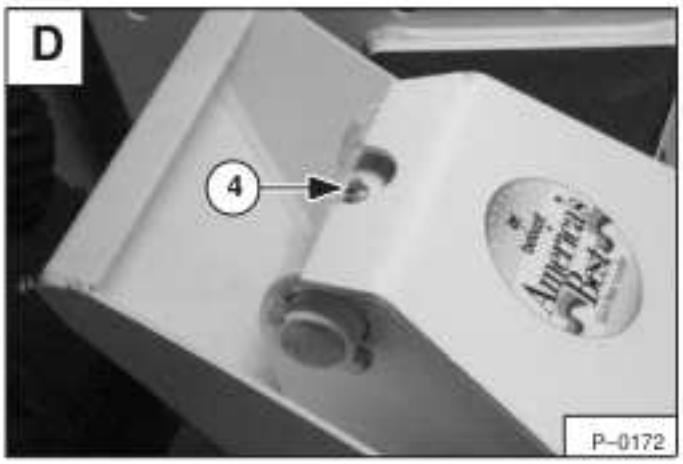
2. Base End Lift Cylinder (both sides) **[B]**.



3. Lift Arm Pivot Pin (both sides) **[C]**.



4. Base End Tilt Cylinder **[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.
  - The Service Safety Training Course is available from your Bobcat dealer. This course provides information for safe and correct service procedures for Bobcat Skid–Steer loaders.
- 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.

SI02–1298

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