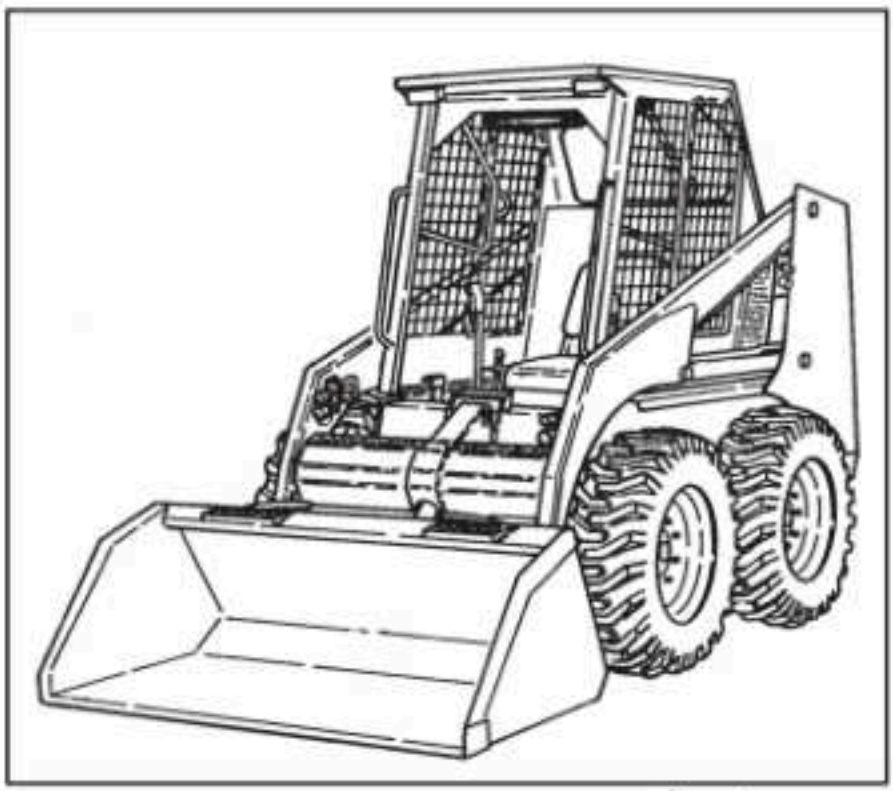
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4

3

B

Operation & Maintenance Manual



MELROE
INGERSOLL-RAND

bobcat

6720547 (6–90) Revised (7–97) Printed in U.S.A.

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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: _____

Melroe Company
P.O. Box 128
Gwinner, ND 58040–0128

Melroe Europe
J. Huysmanslaan 59
B–1651 LOT
BELGIUM

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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) **[A]** control the hydraulic cylinder for the tilt and lift function.

Lift Arm Operation

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

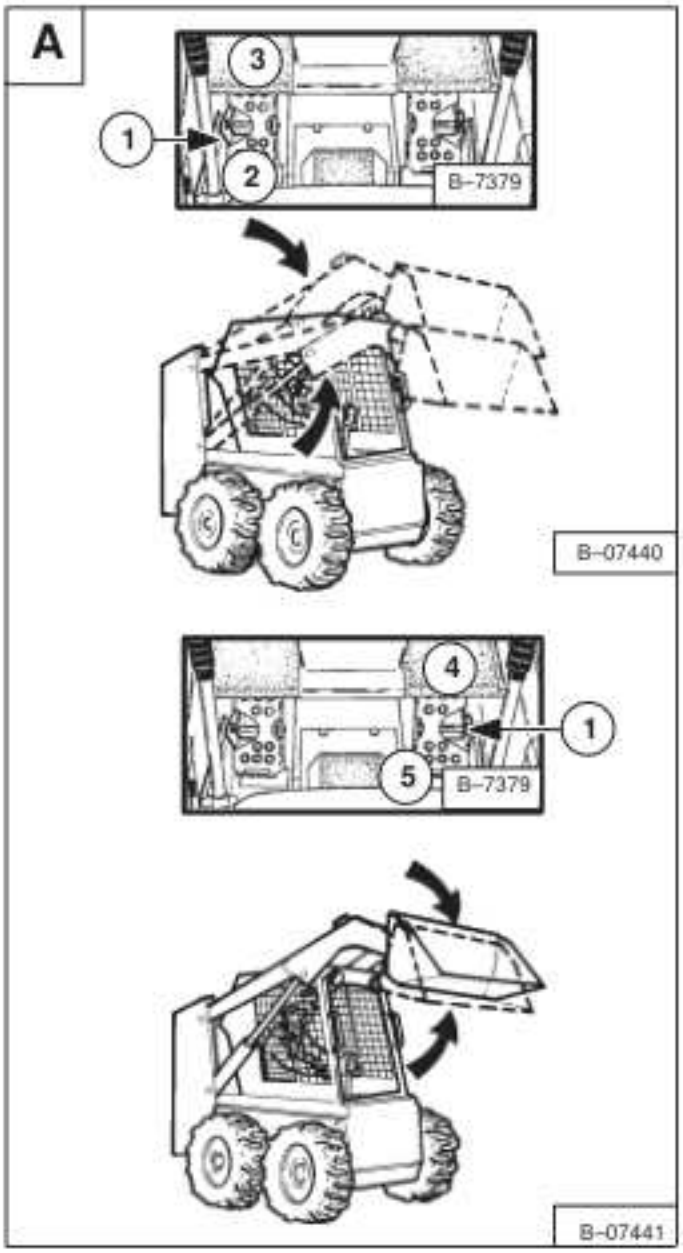
Push on the top (toe) (Item 3) **[A]** of the pedal to lower the lift arms.

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) **[A]** of the pedal to tilt the bucket forward.

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

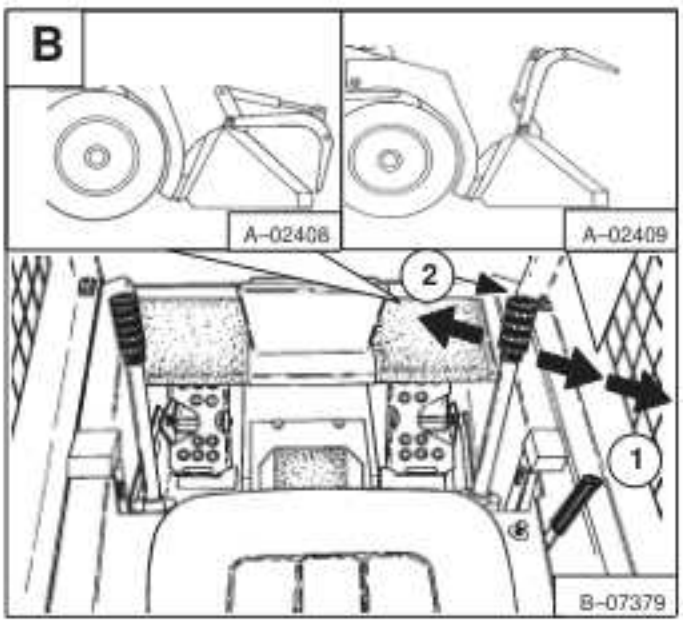


Auxiliary Lever Operation (Opt.)

The right steering lever is also the control lever for the auxiliary hydraulics **[B]**.

Move the right steering lever to the left or to the right to activate the auxiliary hydraulics and operate an attachment (Example: To open or close grapple teeth). Move the lever in the opposite direction to reverse the action of the attachment **[B]**.

Move the steering lever all the way to the right (Item 1) **[B]** to put the control valve into the *detent* position for a constant flow of hydraulic fluid under pressure to the quick couplers.



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ATTACHMENTS AND BUCKETS

⚠ WARNING

Never use attachments or buckets which are not approved by Melroe Company. Buckets and attachments for safe loads of specified densities are approved for each model. Unapproved attachments can cause injury or death.

W–2052–1285

The dealer can identify, for each model loader, the attachments and buckets approved by Melroe Company. The buckets and attachments are approved for Rated operating Capacity and for secure fastening to the Bob–Tach.

The Rated Operating Capacity for this loader is shown on a label in the operator cab (See the *SPECIFICATIONS* Page 53).

It is determined by using a standard dirt bucket, and material of normal density, such as dirt or dry gravel. If longer buckets are used the load center moves forward and reduces the Rated Operating Capacity. If very dense material is loaded, the volume must be reduced.

Exceeding the Rated Operating Capacity can cause the following problems **[A]**.

Steering the loader may be difficult.

Tires may wear faster.

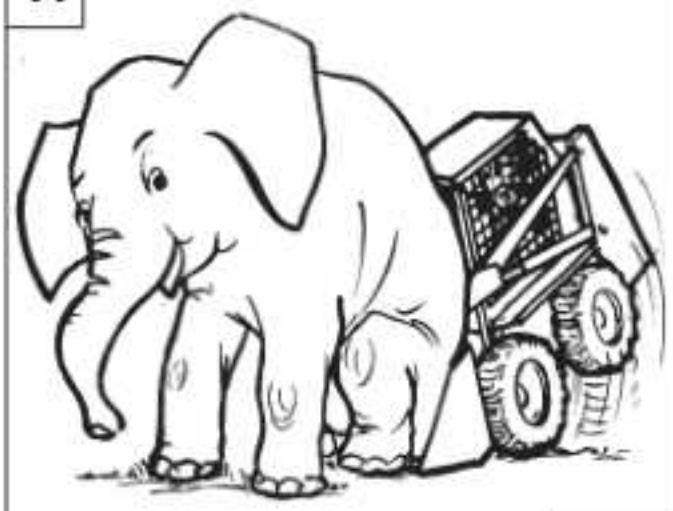
There will be a loss of stability.

The life of the Bobcat loader will be reduced.

Use the correct size bucket for the type and density of material being handled. For safe handled. For safe handling of materials and avoiding machine damage, the attachment (or bucket) should handle a full load without going over the Rated Operating Capacity for the loader. Partial loads make steering more difficult.

Maximum loads to be carried when using a pallet fork are shown in photo **[B]**.

A



B–08587

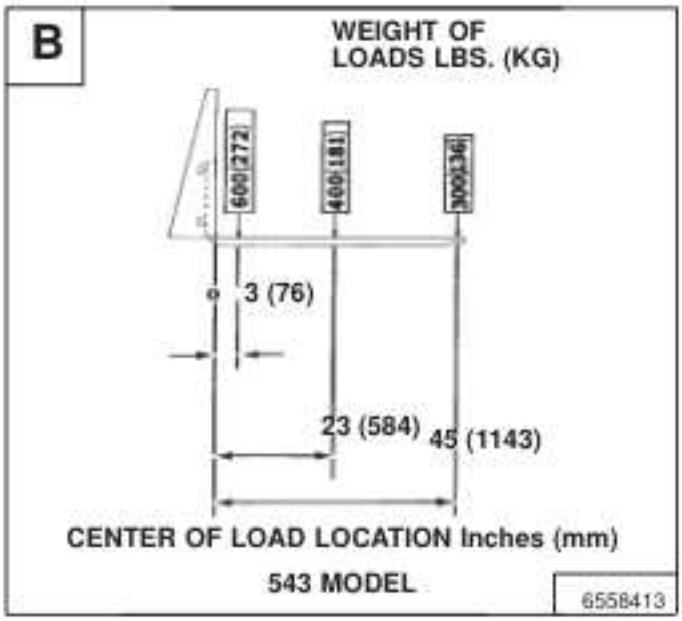
⚠ WARNING

AVOID INJURY OR DEATH

Do not exceed rated operating capacity. Excessive load can cause tipping or loss of control.

W–2053–0887

B



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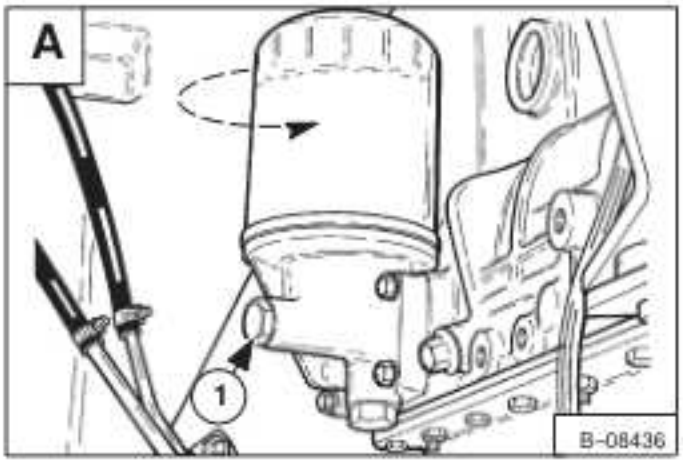
Remove the filter element **[A]**.

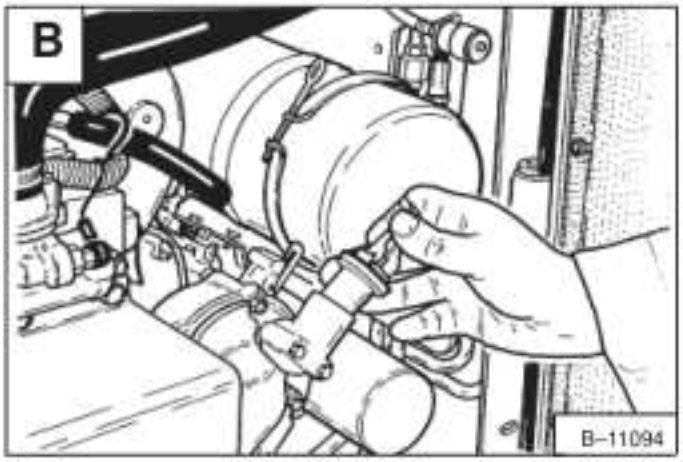
Clean the filter housing surface. Put clean oil on the gasket of the new filter. Install the filter element and hand tighten only.

Turn the plug (Item 1) **[A]** on the filter housing.

Install the cap on the end of the drain hose and tighten.

Remove the oil fill cap **[B]**.

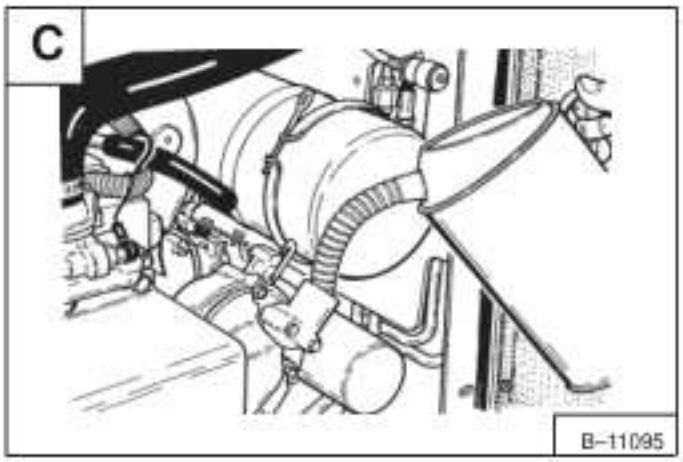




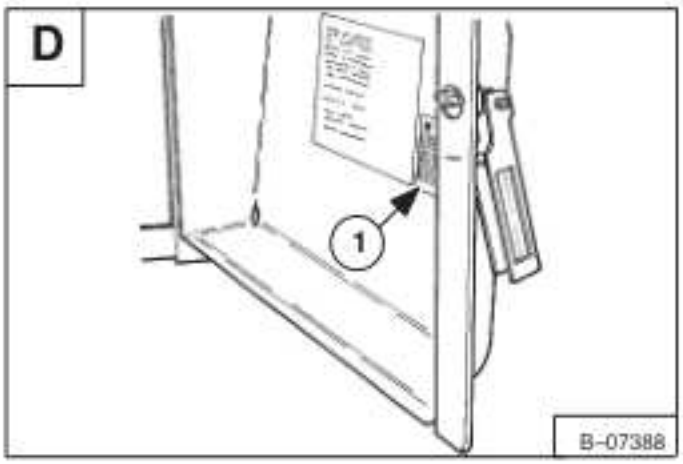
Fill to capacity (See *SPECIFICATION* Page 53 for correct capacity) **[C]**.

Start the engine and let it run for about 5 minutes. Check for leaks at the filter.

Stop the engine. Check the oil level. Add oil until the level is at the *Full* mark on the dipstick. Install the fill cap.



Record the operating hours of the loader on the decal (Item 1) **[D]** on the rear door.



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BEFORE OPERATING THE BOBCAT LOADER

Safety Alert Symbol: This Safety Symbol is used for important safety messages. When you see this symbol follow the safety message to avoid personal injury or death.

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.

WARNING

Warnings on the machine 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 and plastic handbook, EMI Safety Manual (available in Spanish) and machine signs (decals).
  - Check the rules and regulations at your location. The rules may include an employer's work safety requirements. Regulations may identify a hazard such as utility supply line.
- HAVE TRAINING WITH ACTUAL OPERATION
  - Operator training must consist of a demonstration 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.
- 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.
  - Wear tight fitting clothing. Always wear safety glasses when maintaining or servicing loader. Safety glasses, hearing protection or loader special application kits are required for some work. See your dealer about Melroe safety equipment.

* For an operator to 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.

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