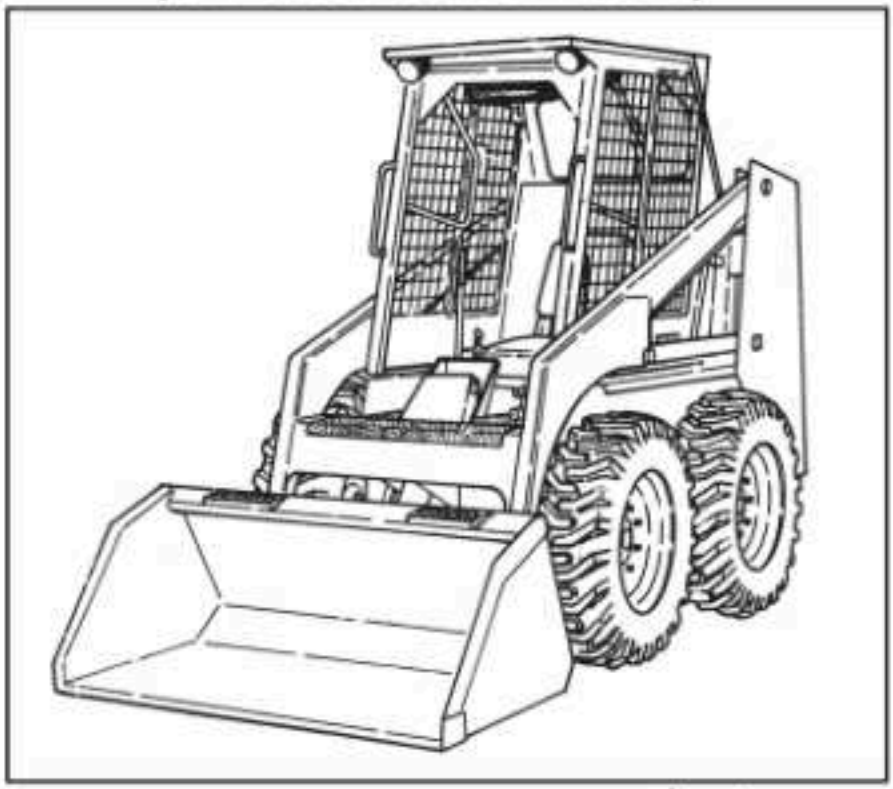
743B

Operation & Maintenance Manual

(S/N 509318000 & Above)



MELROE
INGERSOLL-RAND

bobcat

6722054 (4-96) Revised (8-97) 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

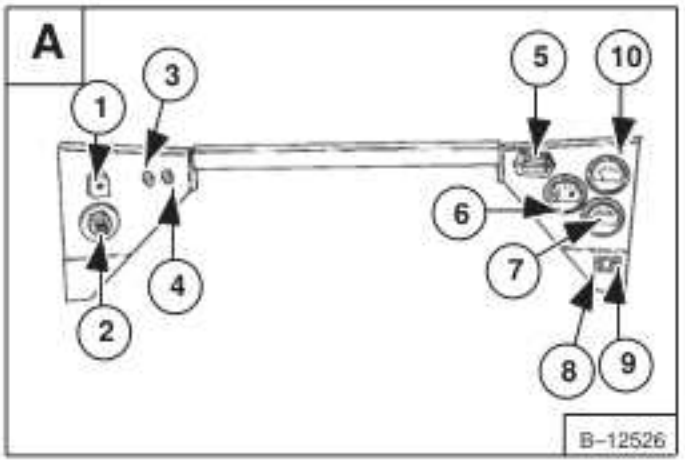
Melroe Europe
J. Huysmanslaan 59
B–1651 LOT
BELGIUM

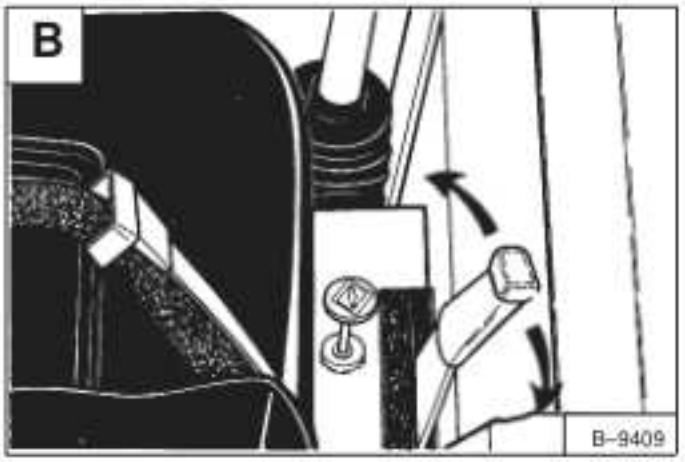
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INSTRUMENT PANEL

The instrument panel has the following instruments **[A]**:

1. **LIGHT SWITCH (OPT.)** – Controls the work and travel lights.
2. **IGNITION SWITCH** – For starting, stopping and *pre–heating* the engine.
3. **FUSE (ACCESSORIES)** – To protect the electrical system from overload.
4. **FUSE (IGNITION)** – To protect the electrical system from overload.
5. **HOURMETER** – Records the total operating hours of the loader.
6. **FUEL GAUGE** – Shows the amount of fuel in the fuel tank.
7. **ENGINE TEMPERATURE GAUGE** – Shows the engine coolant temperature.
8. **ENGINE WARNING LIGHT** – Engine oil pressure is low. Stop the engine if the light comes ON.
9. **TRANSMISSION WARNING LIGHT** – Low transmission charge pressure, hydraulic filter needs replacement or high fluid temperature. Stop the engine if the light comes ON.
10. **VOLTMETER** – Shows the condition of the battery and the rate of charge.





ENGINE SPEED CONTROL

The throttle control is at the right side of the operator seat **[B]**.

Engine speed is controlled by moving the throttle forward to increase the engine RPM and backward to decrease the engine RPM.

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⚠ 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. (Also see the Specifications section, Page 65.)

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.

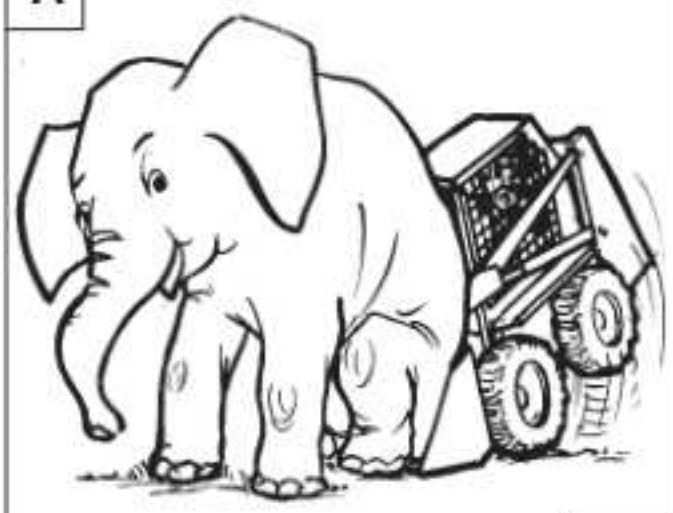
Exceeding the Rated Operating Capacity can cause the following problems **[A]**.

1. Steering the loader may be difficult.
2. Tires may wear faster.
3. There will be a loss of stability.
4. 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 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 figure **[B]**.

A



B–6587

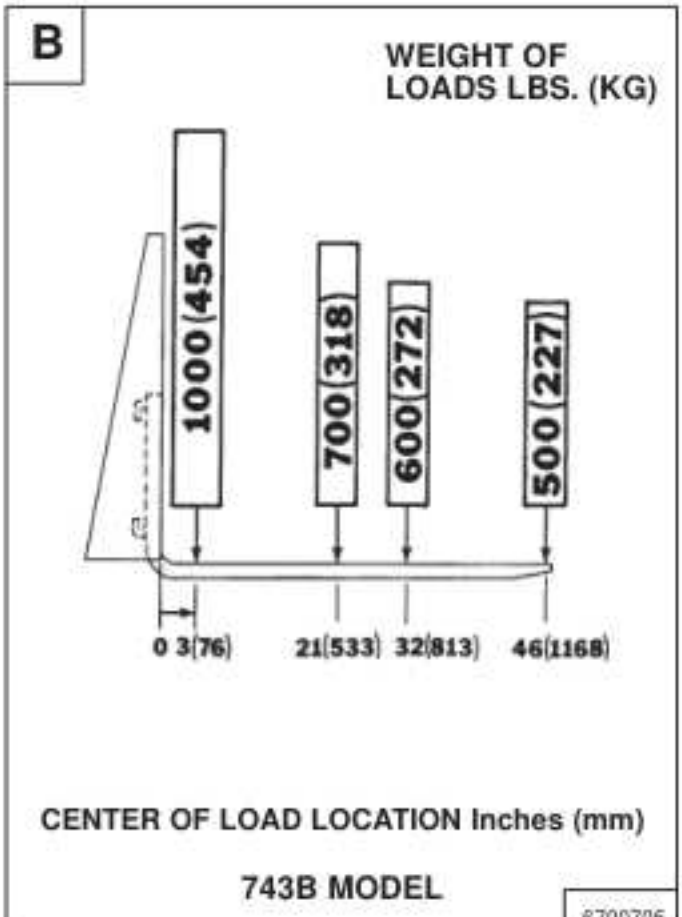
⚠ WARNING

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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AIR CLEANER SERVICE (Cont'd)

Remove the large filter element.

NOTE: Make sure all sealing surfaces are free of dirt and debris.

Install the new filter element and tighten the wing nut.

Install the dust cover and tighten the wing nut.

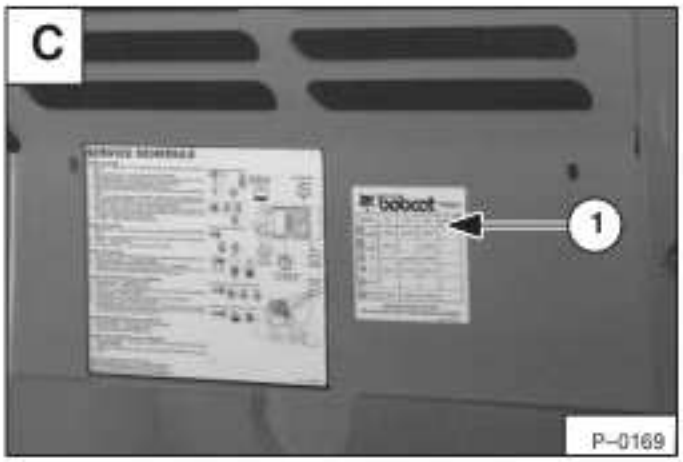


Only replace the inner filter element under the following conditions **[B]**.

1. Replace the inner filter element every third time the outer filter is replaced.
2. Replace the inner filter element when the red ring still shows in the condition indicator window after the outer filter is replaced.



Record the operating hours of the loader on the decal (Item 1) **[C]** inside 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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