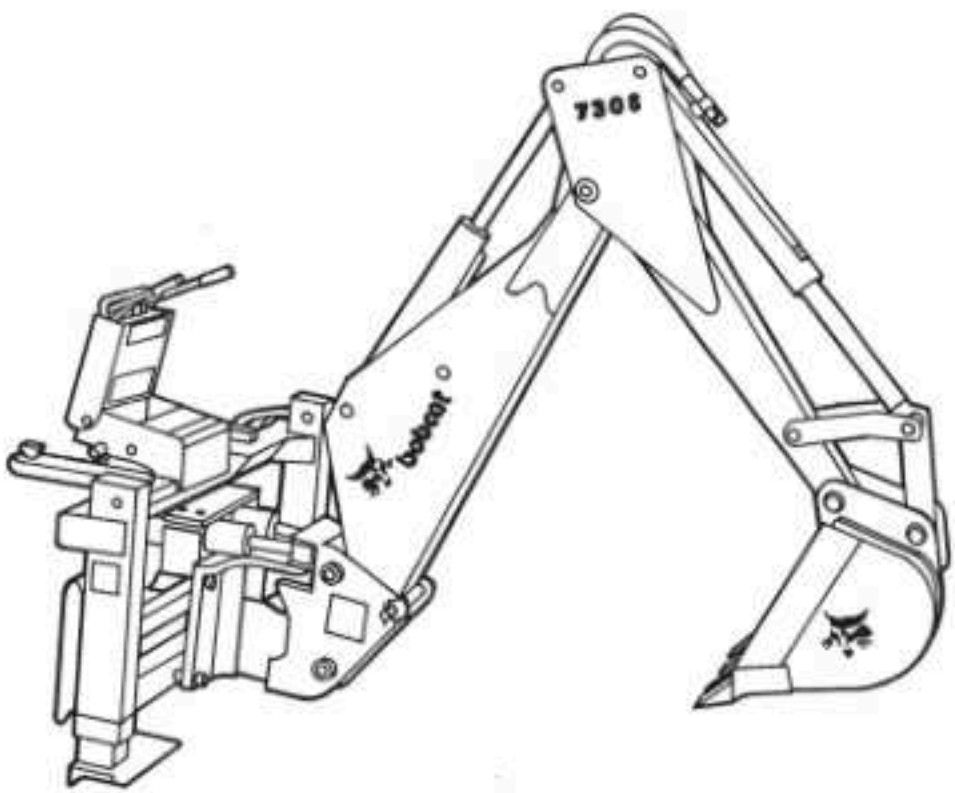
bobcat®

# 730S BACKHOE

# Operation & Maintenance Manual




MELROE
INGERSOLL-RAND

6720670 (2-97) Revised (5-99)

bobcat

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## REFERENCE INFORMATION

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

Backhoe Model Number ..... _____
Backhoe Serial Number ..... _____
_____

**NOTES:** _____

_____

_____

_____

_____

_____

_____

**YOUR LOADER/BACKHOE 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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## BACKHOE CONTROLS

### Operating Control Levers

Learn the function of the control levers before you start the engine to begin operation **[A]**.

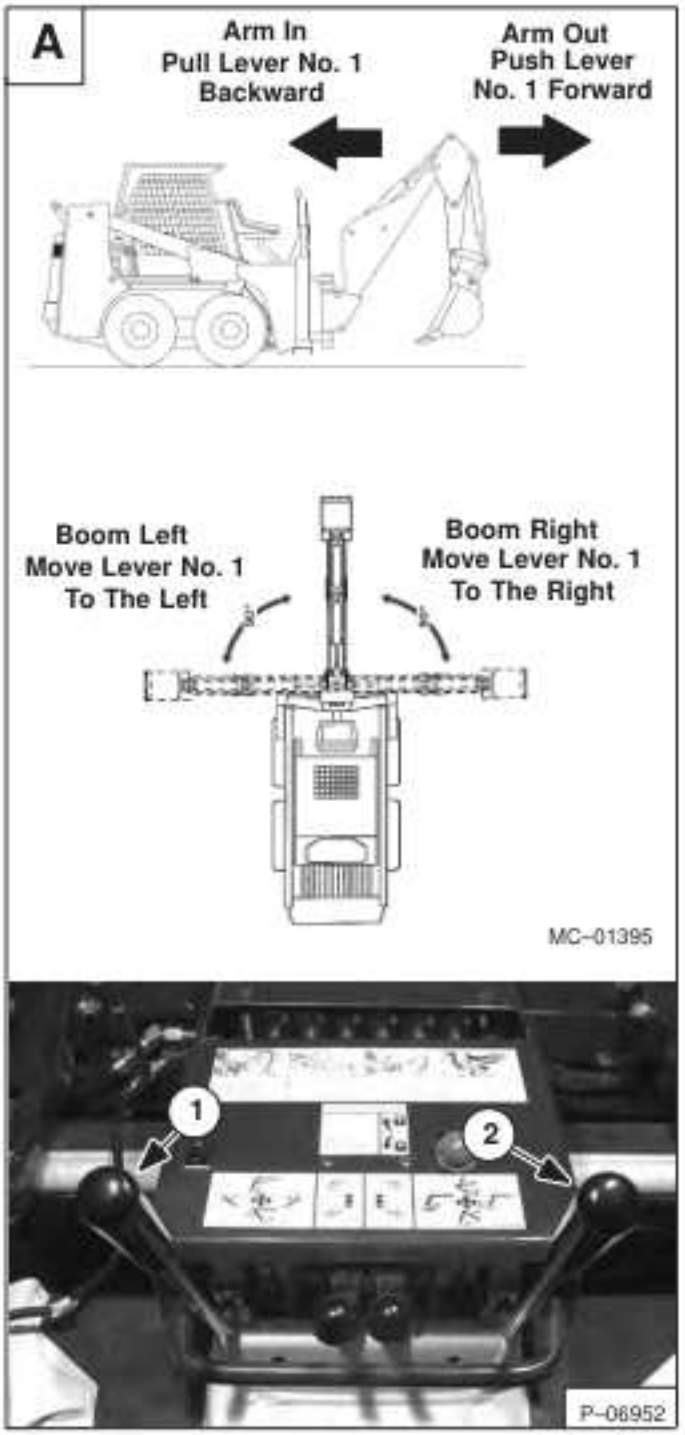
LEVER NO. 1 **[A]** – Arm and Swing

To move the arm out, push the lever forward.

To move the arm in, pull the lever backward.

To swing the boom to the left, move the lever to the left.

To swing the boom to the right, move the lever to the right.









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## LUBRICATION OF THE BACKHOE

**⚠ WARNING**

**AVOID INJURY OR DEATH**

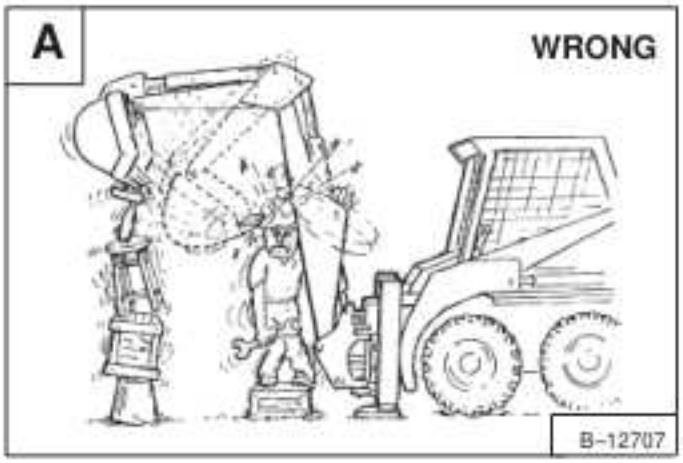
**Always lower the Backhoe attachment to the ground before lubricating or servicing [A].**

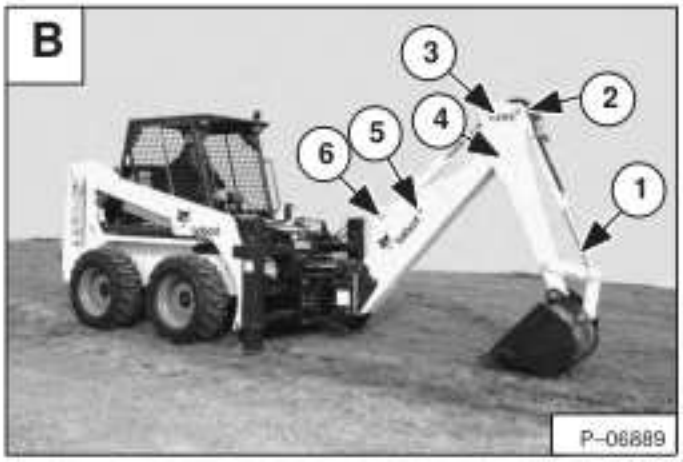
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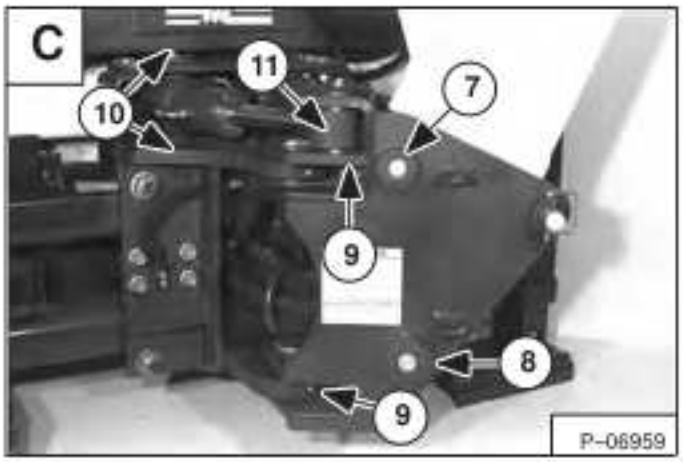
Use only a good quality, Lithium based, multi–purpose grease when you lubricate the backhoe. Add grease to the fittings until the extra grease shows.

Lubricate the backhoe every **8 HOURS** of operation **[B]** & **[C]**.

| Item | Description (# of Fittings) |
|---|---|
| 1. | Bucket Cylinder Rod End (1) |
| 2. | Bucket Cylinder Base End (1) |
| 3. | Arm Cylinder Rod End (1) |
| 4. | Arm Pivot Bushing (1) |
| 5. | Boom Cylinder Base End (1) |
| 6. | Arm Cylinder Base End (1) |
| 7. | Boom Cylinder Rod End (1) |
| 8. | Boom Pivot Bushing (1) |
| 9. | Swing Frame Pivot Bushings (2) |
| 10. | Swing Cylinders Pivot Bushings (4) |
| 11. | Swing Cylinder Rod End (2) |



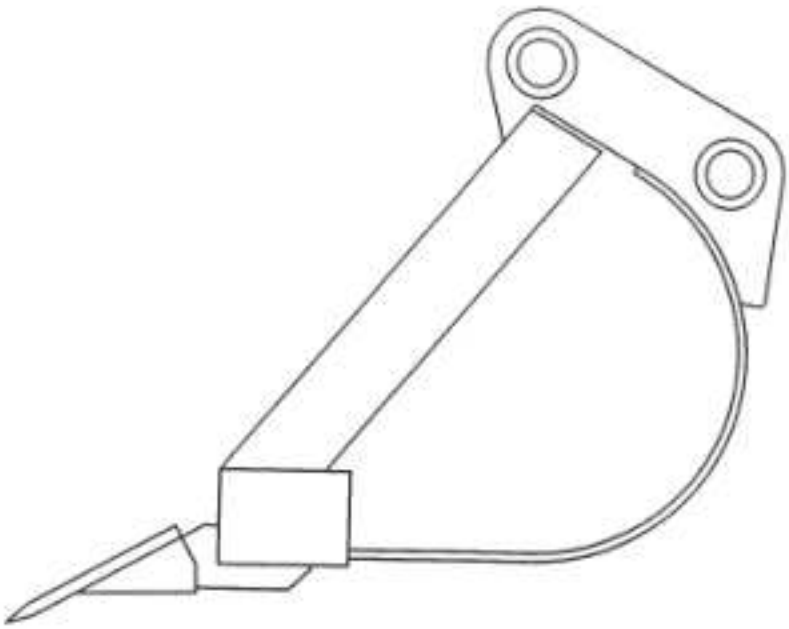






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## BUCKET SPECIFICATIONS



MC–01411

| Pin On Bucket | Bucket Size | Capacity SAE Heaped | Shipping Weight |
|---|---|---|---|
| | 12 in. (305) | 1.52 cu. ft. (0,043 cu. m.) | 130 lbs. (59 kg) |
| | 16 in. (406) | 2.11 cu. ft. (0,060 cu. m.) | 145 lbs. (66 kg) |
| | 20 in. (508) | 2.81 cu. ft. (0,080 cu. m.) | 160 lbs. (73 kg) |
| | 24 in. (610) | 3.62 cu. ft. (0,103 cu. m.) | 181 lbs. (82 kg) |
| | 30 in. (762) | 4.60 cu. ft. (0,130 cu. m.) | 227 lbs. (103 kg) |

| X–Change™ Buckets | Bucket Size | Capacity SAE Heaped | Shipping Weight |
|---|---|---|---|
| | 13 in. (330) | 1.48 cu. ft. (0,042 cu. m.) | 149 lbs. (68 kg) |
| | 16 in. (406) | 1.98 cu. ft. (0,056 cu. m.) | 1469 lbs. (77 kg) |
| | 20 in. (508) | 2.68 cu. ft. (0,076 cu. m.) | 196 lbs. (90 kg) |
| | 24 in. (610) | 3.37 cu. ft. (0,095 cu. m.) | 221 lbs. (100 kg) |
| | 30 in. (762) | 4.43 cu. ft. (0,125 cu. m.) | 248 lbs. (113 kg) |
| | 36 in. (914) | 5.45 cu. ft. (0,154 cu. m.) | 282 lbs. (128 kg) |
| | 39 in. (990) | 5.15 cu. ft. (0,146 cu. m.) | 276 lbs. (125 kg) |



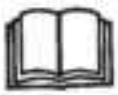
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# SAFETY INSTRUCTIONS

## SAFETY IS THE OPERATOR'S RESPONSIBILITY

The Bobcat® Loader or Compact Excavator and Melroe Approved Attachments are designed to give maximum safety; but no machine design can prevent operator error or carelessness.

## READ THIS MANUAL BEFORE YOU OPERATE THE BOBCAT LOADER OR EXCAVATOR AND ATTACHMENT.



B–10731

**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 operating Bobcat loader or excavator and approved attachment. Untrained operators can cause injury or death.**

W–2253–0996

This Operation & Maintenance Manual was written to give the owner/operator instructions on the safe operation and maintenance of this Melroe Approved Attachment. READ AND UNDERSTAND *THIS* OPERATION & MAINTENANCE MANUAL AND THE LOADER OR EXCAVATOR OPERATION & MAINTENANCE MANUAL BEFORE OPERATING YOUR BOBCAT LOADER OR EXCAVATOR AND ATTACHMENT. If you have any questions, see your dealer.

**⚠ 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, loader or excavator Operator's Handbook and Operation & Maintenance Manual, the attachment Operation & Maintenance 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 demonstration and verbal instruction. This training is given by your dealer before the attachment is delivered.
  - The new operator must start in an area without bystanders and use all the controls until he can operate the machine safely under all conditions of the work area.
  - Operator Training Courses are available for the Skid Steer Loader, Compact Excavator, Backhoe and Planer Attachments. Courses provide information for safe and efficient equipment operation. See your dealer for availability.
- KNOW THE WORK CONDITIONS
  - The operator must know any prohibited uses or work areas for the equipment.
  - Know the locations of underground lines. Call local utilities or the TOLL FREE phone number in the *SAFETY INSTRUCTIONS* Section of this manual.

* For an operator to be qualified, he must not use drugs or alcoholic drinks which change 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.

SIA30–0399



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