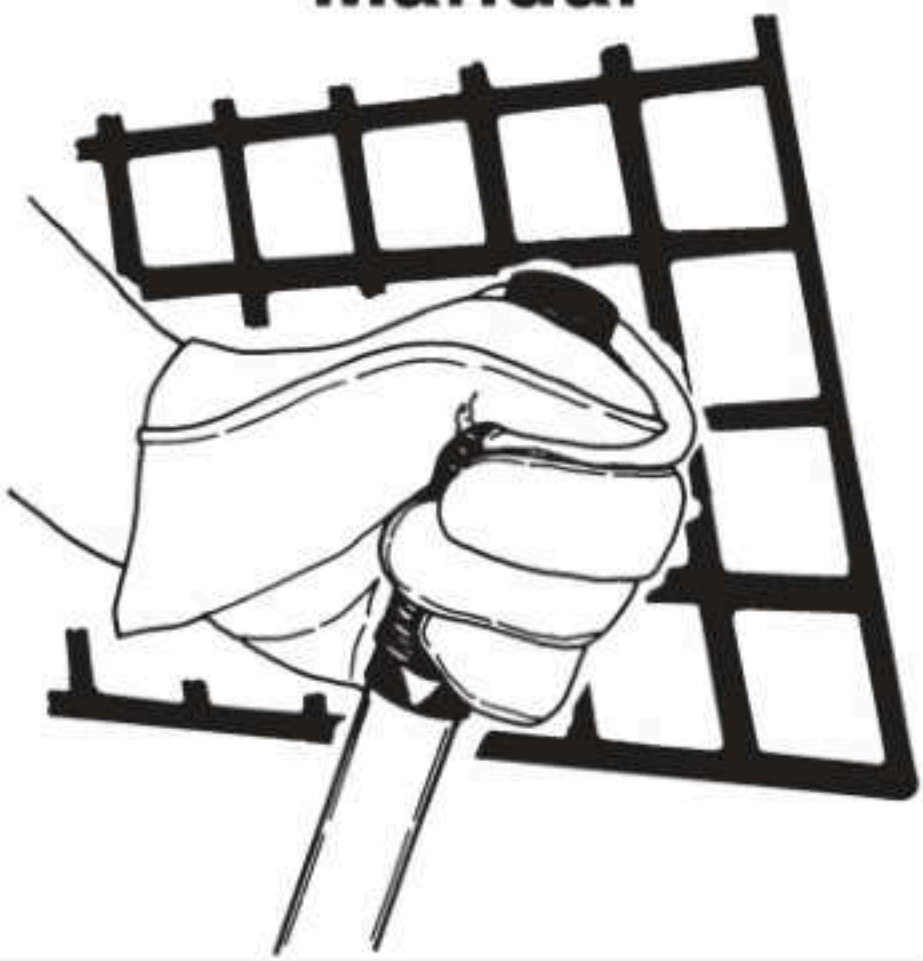
bobcat®

WHEEL SAW
WS18 & WS12

Operation & Maintenance Manual



MELROE
INGERSOLL-RAND

6722612 (9–96) Revised (8–98)

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FOREWORD

SAFETY

OPERATING INSTRUCTIONS

WHEEL SAW SERVICE

SPECIFICATIONS

REFERENCE INFORMATION

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

Wheel Saw Serial Number ..... _____

_____

_____

_____

NOTES: _____

_____

_____

_____

_____

_____

_____

_____

YOUR BOBCAT LOADER DEALER:

_____

ADDRESS:

_____

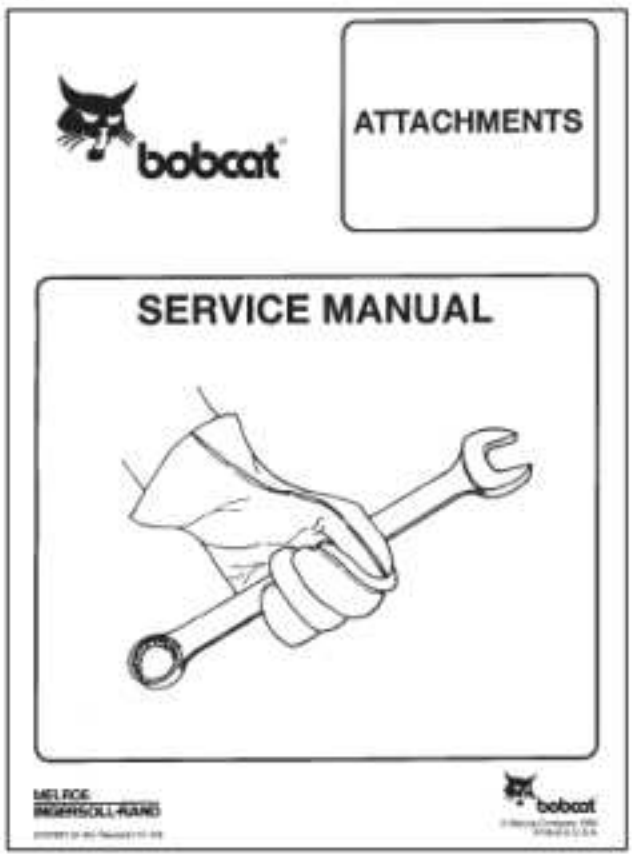
PHONE:

_____

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

Melroe Europe
J. Huysmanslaan 59
B–1651 LOT
Belgium

The Attachment Service Manual P/N 6722922 gives complete repair procedures for your attachment components. You can order the Melroe Attachment Service Manual from your Melroe dealer.



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FOREWORD

This Operation & Maintenance Manual was written to give the owner/operator instructions on the safe operation and maintenance of the Wheel Saw. READ AND UNDERSTAND THIS OPERATION & MAINTENANCE MANUAL BEFORE OPERATING YOUR WHEEL SAW. If you have any questions, see your Bobcat loader dealer.

SERIAL NUMBER LOCATION v

ATTACHMENT DELIVERY REPORT v

WHEEL SAW IDENTIFICATION vi

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⚠ WARNING

Instructions are necessary before operating or servicing machine. Read Operation & Maintenance Manual, Handbook and signs (decals) on machine. Follow warnings and instructions in the manuals when making repairs, adjustments or servicing. Check for correct function after adjustments, repairs or service. Failure to follow instructions can cause injury or death.

W–2003–0797

If the Wheel Saw is not working correctly, check the hydraulic system of the machine thoroughly before making any repairs on the Wheel Saw. Wheel Saw problems can be affected by a hydraulic system that is not operating to specifications. Connect a flow meter to the loader to check the hydraulic pump output, relief valve setting and tubelines to check flow and pressure. (See the loader Service Manual for the correct procedure to connect the flow meter.)

Use the following troubleshooting chart to locate and correct problems which most often occur with the Wheel Saw.

Chart

PROBLEM	CAUSE	CORRECTION
Wheel Saw loses power.	Wheel Saw control valve solenoid failure.	Remove/clean or replace solenoid cartridge or replace O–rings.
	Auxiliary system relief pressure too low.	Check and replace any relief valve. Check settings.
	Loader/auxiliary pump failure.	Replace auxiliary pump.
Auxiliary power fails to disengage.	Auxiliary mode switch failure. Wheel Saw control valve solenoid failure.	Check/replace switch and control valve solenoid.
Wheel continues to rotate with power disengaged.	Residual system pressure sufficient for drive motor creep.	Add supplemental load check to pressure line of drive motor in the direction of flow.
Wheel Saw drive motor leaks at shaft seal.	Excess motor case drain pressure.	Replace motor shaft seal and check coupler connection on loader.

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WHEEL SAW SPECIFICATIONS
WS18 Specifications 29
WS 12 Specifications 30

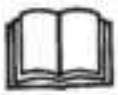
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SAFETY INSTRUCTIONS

SAFETY IS THE OPERATOR'S RESPONSIBILITY

The Bobcat Skid Steer 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 Skid Steer Loader, Compact Excavator, and Backhoe operation. 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.

SIA30–0698

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