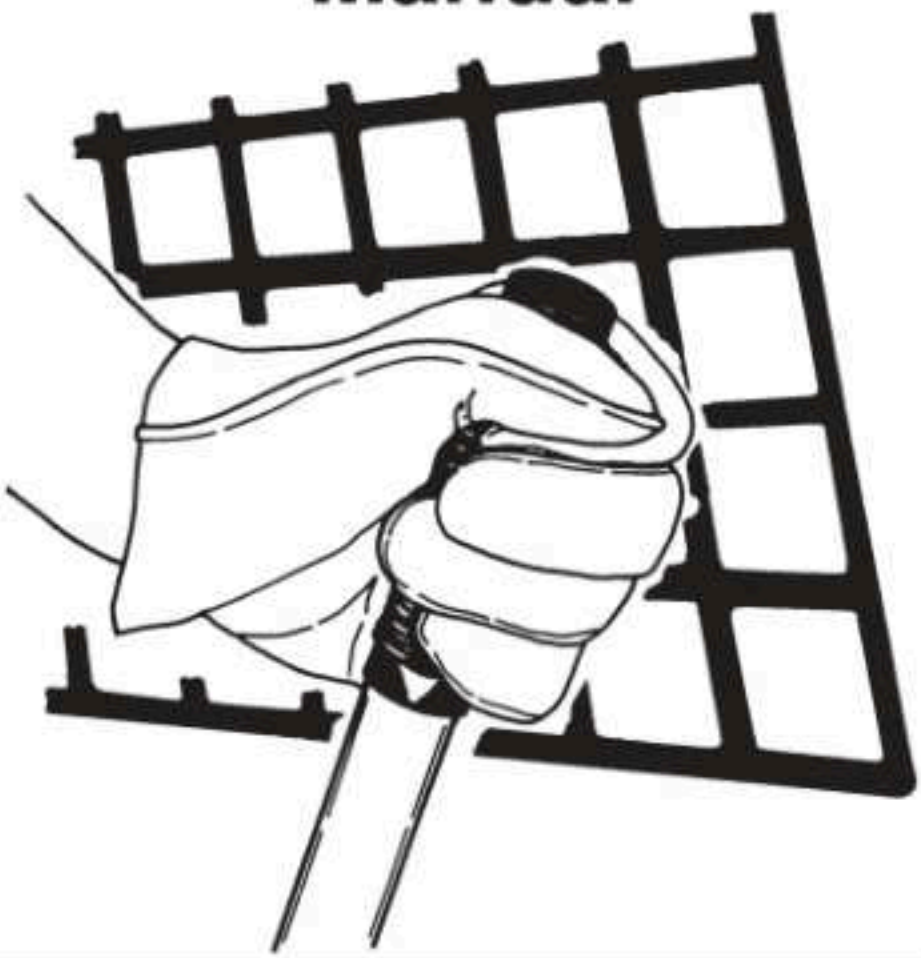
bobcat

GRADER

(S/N 802700871 & Below)

Operation & Maintenance Manual



MELROE
INGERSOLL-RAND

6722410 (1–97) Revised (9–97)

bobcat

© Melroe Company 1997
Printed in U.S.A.

MidWestTech | Bobcat Grader Grader Operation & Maintenance Manual | Publication 6722... Order the manual at mid-west-tech.com >

CONTENTS

FOREWORD iii
SAFETY vii
OPERATING INSTRUCTIONS 1
GRADER SERVICE 21
GRADER ATTACHMENTS 35
SPECIFICATIONS 49

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 Grader in the spaces below. Always use these numbers when referring to your Grader.

Grader Serial Number ..... _____

_____

_____

_____

NOTES: _____

_____

_____

_____

_____

_____

_____

_____

_____

YOUR LOADER DEALER:

_____

ADDRESS:

_____

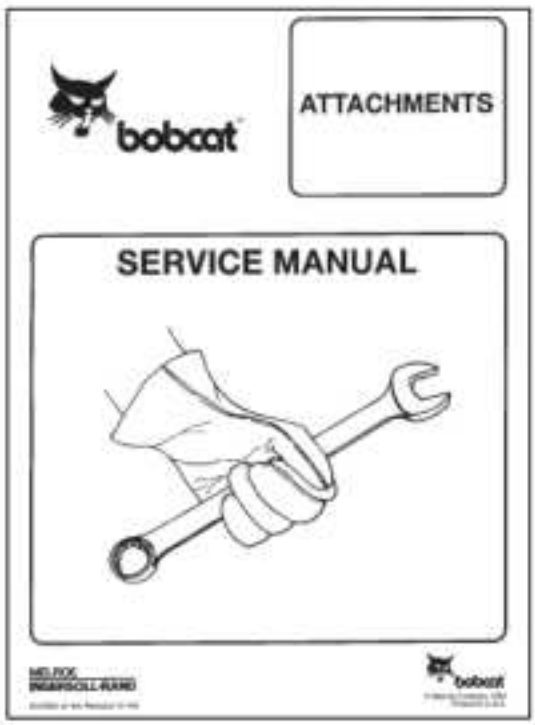
PHONE:

_____

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

Melroe Europe
J. Huysmanslaan 59
B–1651 LOT
Belgium

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.



MidWestTech | Bobcat Grader Grader Operation & Maintenance Manual | Publication 6722... Order the manual at mid-west-tech.com >

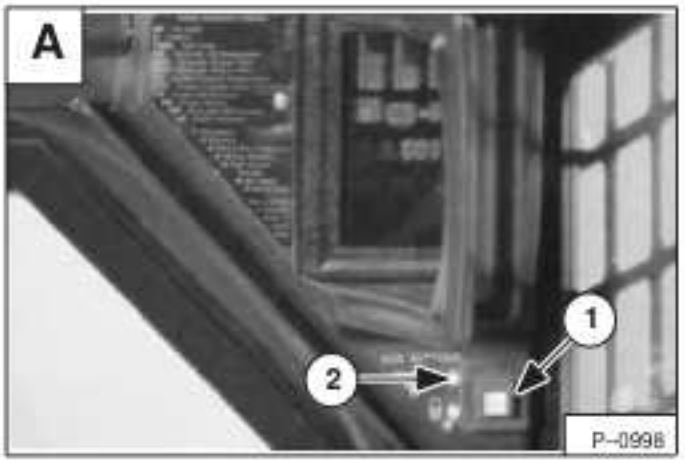
50 Series Loaders

NOTE: Lighting only one light (Item 2) [A] on the right instrument panel will provide hydraulic flow on demand to function the Grader.

Press the auxiliary hydraulic button (Item 1) **[A]** once to activate the switches on the steering levers. The light (Item 2) **[A]** will come ON.

Press the auxiliary hydraulic button twice more to disengage the auxiliary hydraulics and the light will be OFF.

Both lights must be off and engine must be off before leaving the operator cab



LEFT CONTROL HANDLE **[B]:**

The front button (Item 1) **[B]** swings the moldboard left (counterclockwise).

RIGHT CONTROL HANDLE **[B]:**

The front button (Item 2) **[B]** swings the moldboard right (clockwise).

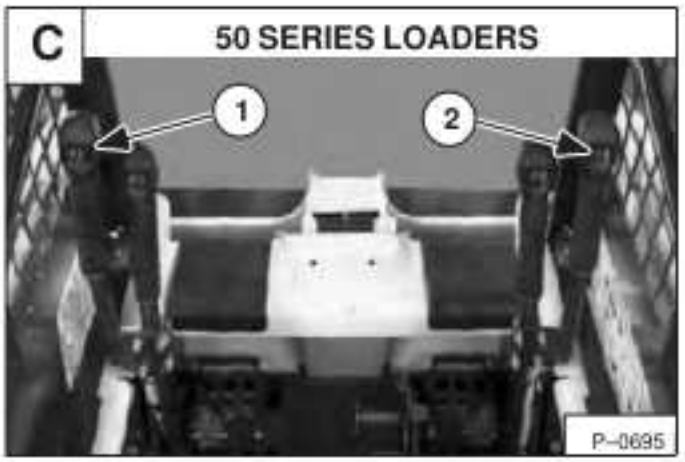


LEFT CONTROL HANDLE **[C]:**

Rear button (Item 1) **[C]** raises or lowers the left side of the moldboard.

RIGHT CONTROL HANDLE **[C]:**

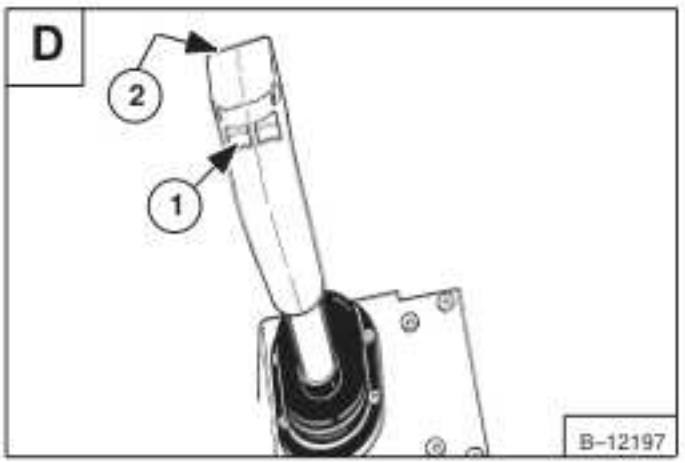
Rear button (Item 2) **[C]** raises or lowers the right side of the moldboard.



1600 – 2410 Detent

To engage the front auxiliary couplers, press buttons (Items 1 & 2) **[D]** at the same time.

To disengage the quick couplers, press either button (Items 1 & 2) **[D]**.



MidWestTech | Bobcat Grader Grader Operation & Maintenance Manual | Publication 6722... Order the manual at mid-west-tech.com >

LUBRICATION OF THE GRADER

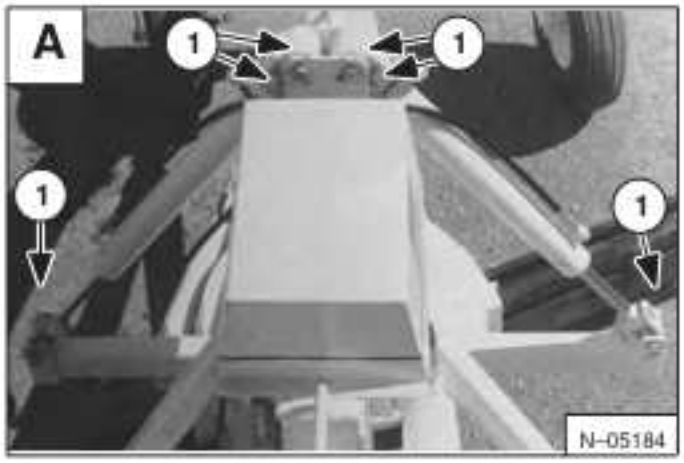
Procedure

Lubricate the grader with a multi–purpose lithium base grease. Apply the lubricant until the extra grease shows.

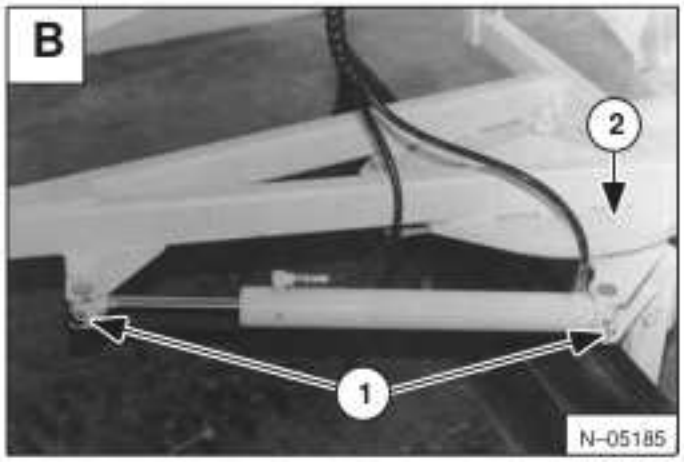
Add lubricant to the following grease fittings **EVERY 8 – 10 HOURS:**

All Hydraulic Cylinder Ends; (Older Graders Only)
6 fittings (Item 1) **[A]**.
2 fittings (Item 1) **[B]**.

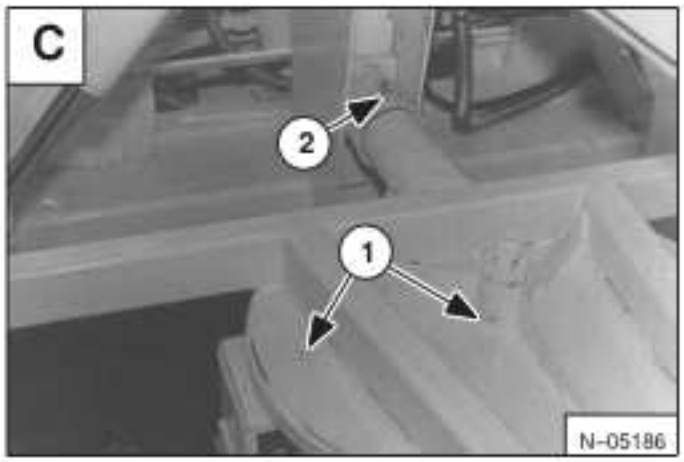
NOTE: Current grader cylinders need no lubrication.



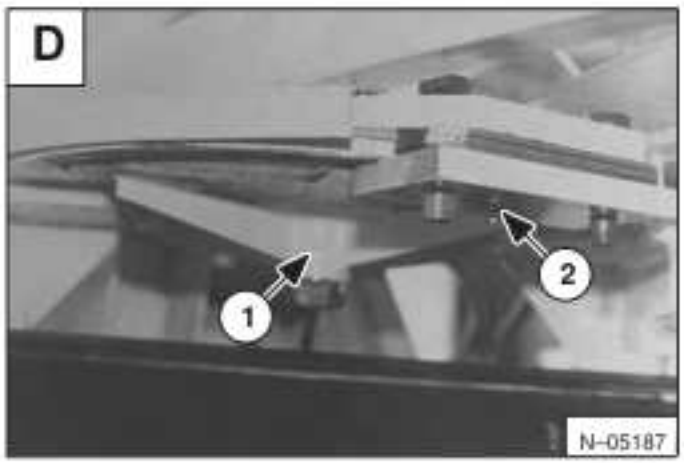
Turntable
1 fitting (Item 2) **[B]**.
2 fittings (Item 1) **[C]**.
1 fitting (Item 1) **[D]**.



Sliding Pipe
1 fitting (Item 2) **[C]**.



Turntable Clamp
1 fitting (Item 2) **[D]**.



MidWestTech | Bobcat Grader Grader Operation & Maintenance Manual | Publication 6722...
Order the manual at mid-west-tech.com >

SPECIFICATIONS

OPERATION & PERFORMANCE 51

MidWestTech | Bobcat Grader Grader Operation & Maintenance Manual | Publication 6722...

Order the manual at mid-west-tech.com >

SAFETY INSTRUCTIONS

SAFETY IS THE OPERATOR'S RESPONSIBILITY

The Bobcat skid steer loader 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 AND ATTACHMENT

⚠ WARNING

Operator must have instructions before operating Bobcat loader or excavator and approved attachment. Untrained operators can cause injury or death.

W-2253-0996



B–10731

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 OPERATION & MAINTENANCE MANUAL BEFORE OPERATING YOUR BOBCAT LOADER 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 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 identify a hazard such as an underground utility line.
- HAVE TRAINING WITH ACTUAL OPERATION
  - Operator training must consist of a demonstration and verbal instruction. This training is given by the Bobcat dealer before the attachment is delivered.
  - The new operator must start in an area without bystanders and use all the controls until he can control the loader and attachment safely under all conditions of the work area.
- KNOW THE WORK CONDITIONS
  - The operator must know any prohibited uses or work areas for the equipment. For example, he needs to know the locations of underground lines.

* 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.

MidWestTech | Bobcat Grader Grader Operation & Maintenance Manual | Publication 6722... Order the manual at mid-west-tech.com >