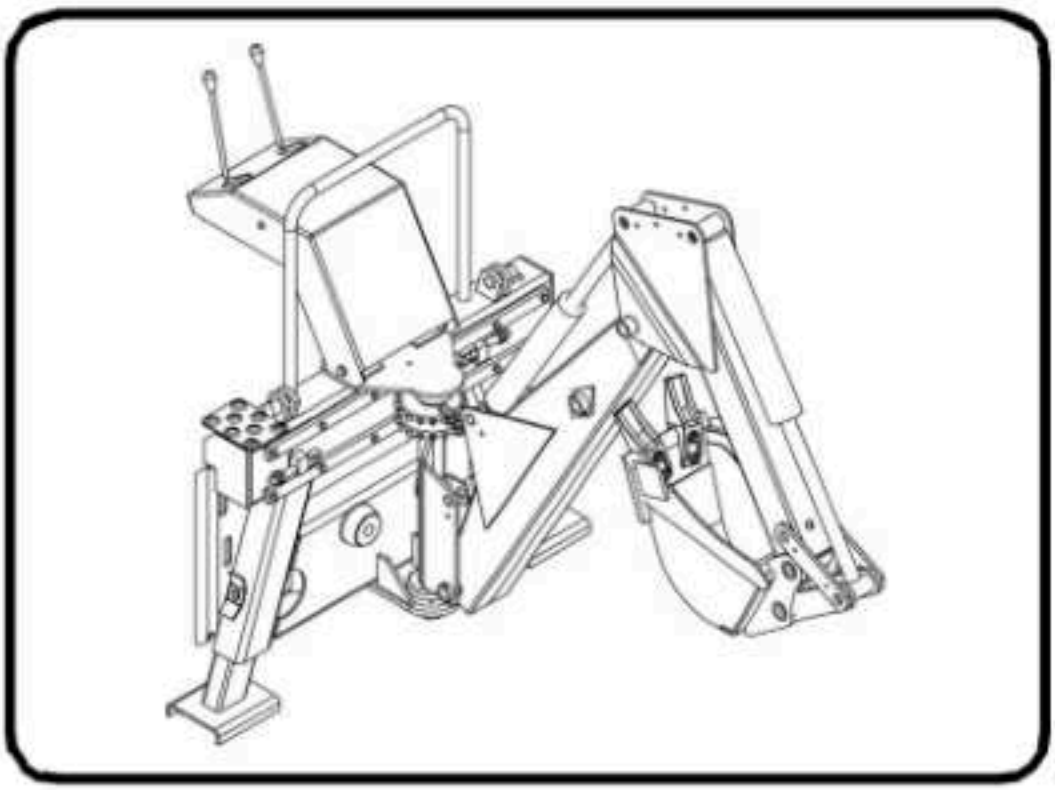
Bobcat

Operation & Maintenance Manual
406 & 506 Backhoe

(406) S/N 631010000 & Below
(406) S/N 631010001 & Above
(506) S/N 631110000 & Below
(506) S/N 631110001 & Above



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REFERENCE INFORMATION

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

Backhoe Serial Number _____

NOTES:

_____

_____

_____

YOUR BOBCAT® DEALER:

ADDRESS:

_____

PHONE:

_____

Bobcat Company
P.O. Box 128
Gwinner, ND 58040-0128

Bobcat Company Europe
Drève Richelle 167
B-1410 WATERLOO
Belgium

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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 backhoe. READ AND UNDERSTAND THIS OPERATION & MAINTENANCE MANUAL BEFORE OPERATING YOUR backhoe. If you have any questions, see your Bobcat dealer.

BOBCAT COMPANY IS ISO 9001:2000 CERTIFIED V

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Operation With The Loader

Operating The Control Levers

Figure OI-49

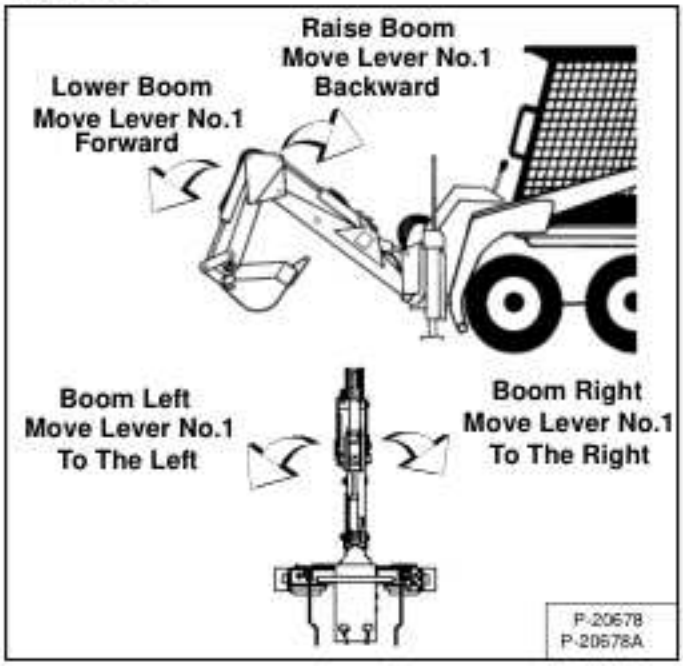
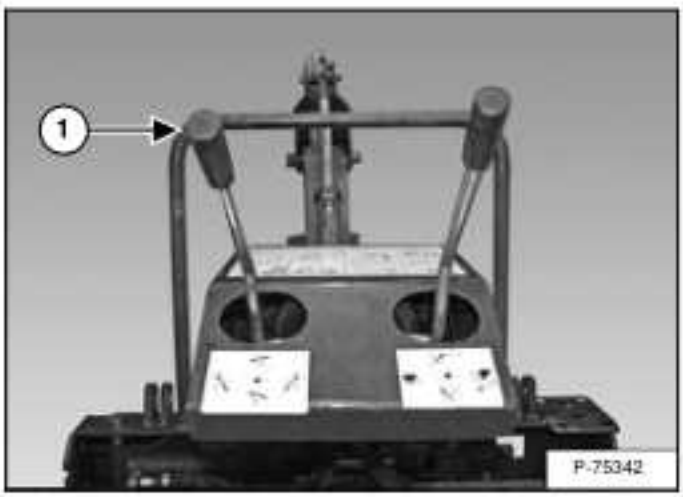


Figure OI-50



Learn the function of the control levers before you start the engine to begin operation.

LEVER NO. 1 **[Figure OI-49]** and **[Figure OI-50]** - Boom and Swing

To lower the boom, push the lever forward.

To raise the boom, 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.

Figure OI-51

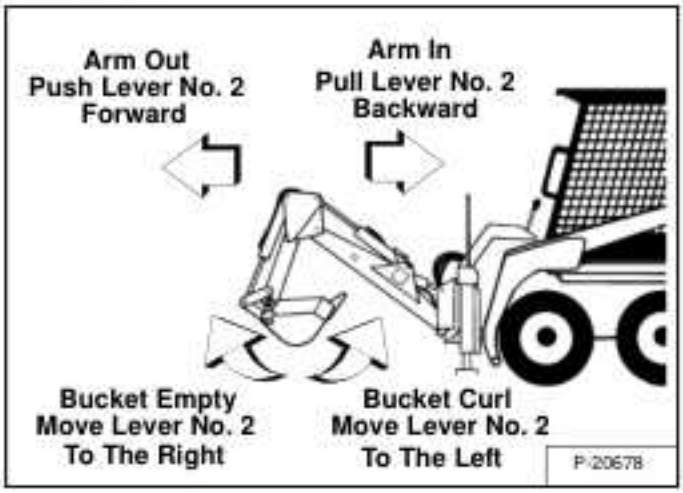
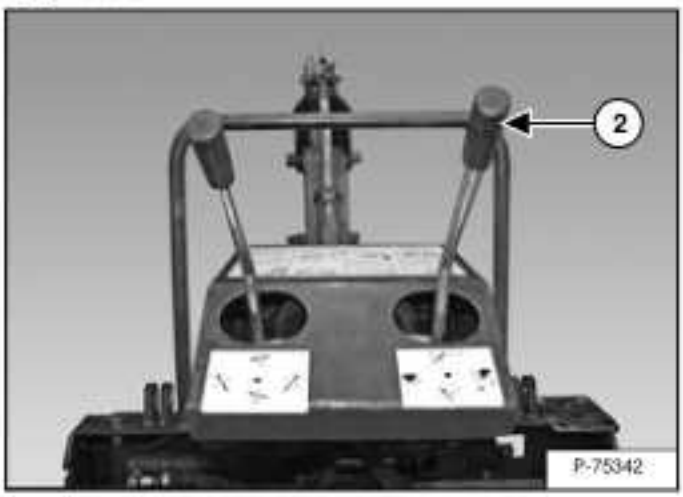


Figure OI-52



Learn the function of the control levers before you start the engine to begin operation.

LEVER NO. 2 **[Figure OI-51]** and **[Figure OI-52]** - Arm and Bucket

To move the arm out, push the lever forward.

To move the arm in, pull the lever backward.

To curl the bucket, move the lever to the left.

To empty the bucket, move the lever to the right.

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LUBRICATING THE ATTACHMENT

Lubrication Points

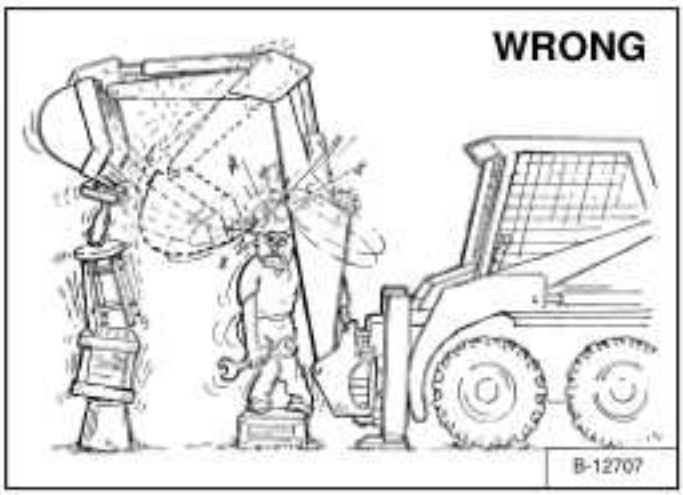
Always use a good quality lithium base multi purpose grease when lubricating the attachment. Apply lubricant until extra grease shows.

IMPORTANT

Fluid such as engine oil, hydraulic fluid, coolants, grease, etc. must be disposed of in an environmentally safe manner. Some regulations require that certain spills and leaks on the ground must be cleaned in a specific manner. See local, state and federal regulations for the correct disposal.

I-2067-0499

Figure PM-1



⚠ WARNING

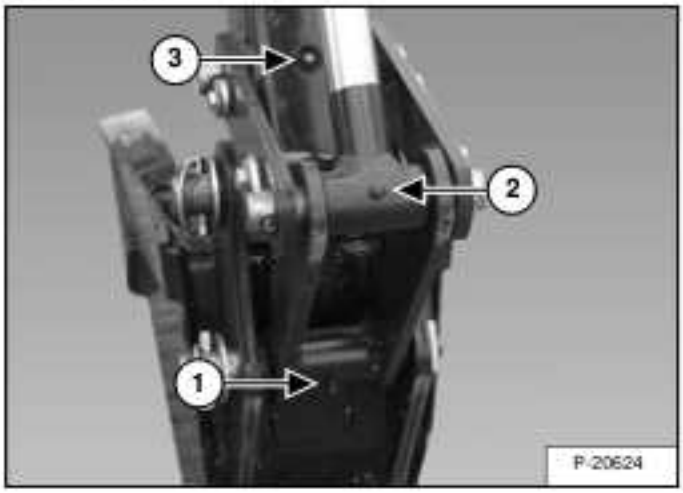
AVOID INJURY OR DEATH

Always lower the Backhoe attachment to the ground before lubricating or servicing.

W-2178-0295

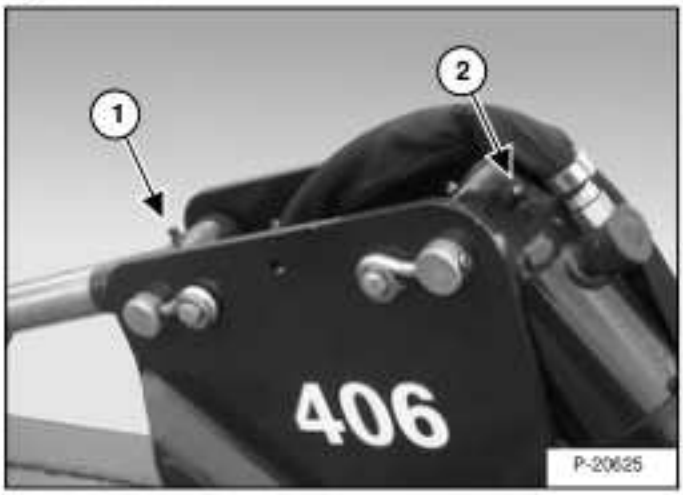
Lubricate the backhoe every **8 HOURS** of operation:

Figure PM-2



Lubricate the bucket link fitting (Item 1), rod end of the bucket cylinder (Item 2) and the two fittings (Item 3) **[Figure PM-2]** on the bucket link.

Figure PM-3



Lubricate the rod end of the arm cylinder (Item 1) and the base end of the bucket cylinder (Item 2) **[Figure PM-3]**.

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BUCKET MOUNTING SYSTEM	
Pin-on	
WEIGHT	
Backhoe Weight (W/O Bucket) (Model 406)	507 lb. (230 kg)
Backhoe Weight (W/O Bucket) (Model 506)	531 lb. (241 kg)
AVAILABLE BUCKET WIDTHS	
9 in. (229 mm)	
12 in. (305 mm)	
16 in. (406 mm)	
20 in. (508 mm)	

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SAFETY INSTRUCTIONS

Safe Operation Is The Operator's Responsibility

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 running the machine. Untrained operators can cause injury or death.

W-2001-1285

IMPORTANT

This notice identifies procedures which must be followed to avoid damage to the machine.

I-2019-0284

DANGER

The signal word DANGER on the machine and in the manuals indicates a hazardous situation which, if not avoided, will result in death or serious injury.

D-1002-1107

WARNING

The signal word WARNING on the machine and in the manuals indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

W-2044-1107

The Bobcat machine and attachment must be in good operating condition before use.

Check all of the items on the Bobcat Service Schedule Decal under the 8-10 hour column or as shown in the Operation & Maintenance Manual.

Safe Operation Needs A Qualified Operator

For an operator to be qualified, he or she must not use drugs or alcoholic drinks which impair alertness or coordination while working. An operator who is taking prescription drugs must get medical advice to determine if he or she can safely operate a machine and the attachment.

A Qualified Operator Must Do The Following:

Understand the Written Instructions, Rules and Regulations

- The written instructions from Bobcat Company include the Delivery Report, Operation & Maintenance Manual, Operator's Handbook, Safety 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 a Slow Moving Vehicle (SMV) 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 Bobcat dealer before the product is delivered.
- The new operator must start in an area without bystanders and use all the controls until he or she can operate the machine and attachment safely under all conditions of the work area. Always fasten seat belt before operating.

Know the Work Conditions

- Know the weight of the materials being handled. Avoid exceeding the machine load capacities. Material which is very dense will be heavier than the same volume of less dense material. Reduce the size of load if handling dense material.
- The operator must know any prohibited uses or work areas, for example, he or she needs to know about excessive slopes.
- Know the location of any underground lines. Call local utilities or the TOLL FREE phone number found in the *Call Before You Dig* Section of this manual.
- Wear tight fitting clothing. Always wear safety glasses when doing maintenance or service. Safety glasses, respiratory equipment, hearing protection, Special Applications Kits or a Front Window Guard are required for some work. See your Bobcat dealer about Bobcat Safety equipment for your machine.

SI ATT-0208

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