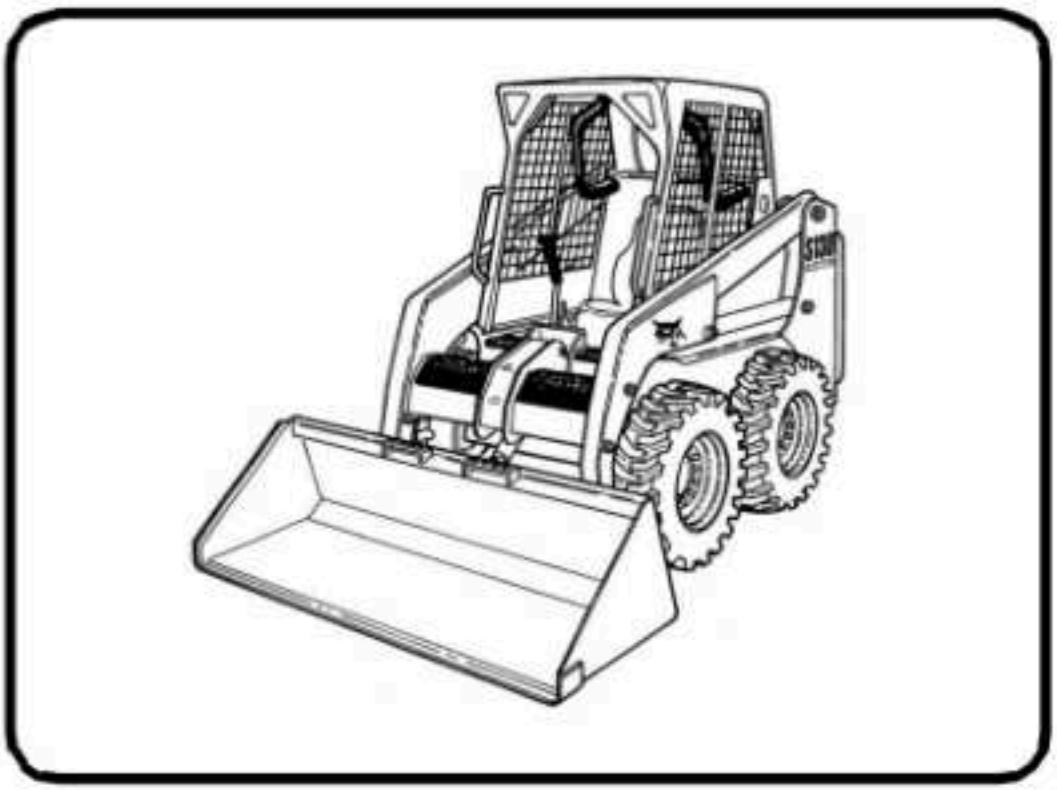
Bobcat®

Operation & Maintenance Manual
S130 Skid-Steer Loader

S/N 529211001 & Above
S/N 529611001 & Above
S/N A1Z711001 - A1Z759999
S/N A84W11001 & Above
S/N A8NW11001 & Above
S/N A8KA11001 - A8KA59999



EQUIPPED WITH BOBCAT INTERLOCK CONTROL SYSTEM (BICS)

6904119 (10-07) Revised (4-08) (11)

Printed in U.S.A.

© Bobcat Company 2008

MidWestTech | Bobcat S130 Skid-Steer Loader Operation & Maintenance Manual | Publica... Order the manual at mid-west-tech.com >

CONTENTS

FOREWORD III

SAFETY & TRAINING RESOURCES XI

OPERATING INSTRUCTIONS OI-1

PREVENTIVE MAINTENANCE PM-1

SYSTEM SETUP & ANALYSIS SA-1

MACHINE SIGN TRANSLATIONS MST-1

SPECIFICATIONS SPEC-1

WARRANTY WARRANTY-1

ALPHABETICAL INDEX INDEX-1

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 BOBCAT DEALER:

_____

ADDRESS:

_____

PHONE:

_____

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

Bobcat Company Europe
Drève Richelle 167
B-1410 WATERLOO
Belgium

MidWestTech | Bobcat S130 Skid-Steer Loader Operation & Maintenance Manual | Publica... Order the manual at mid-west-tech.com >

FOREWORD

This Operation & Maintenance Manual was written to give the owner/operator instructions on the safe operation and maintenance of the Bobcat Loader. READ AND UNDERSTAND THIS OPERATION & MAINTENANCE MANUAL BEFORE OPERATING YOUR BOBCAT LOADER. If you have any questions, see your Bobcat dealer. This manual may illustrate options and accessories not installed on your loader.

BOBCAT COMPANY IS ISO 9001:2000 CERTIFIED V

DELIVERY REPORT VI

FEATURES, ACCESSORIES AND ATTACHMENTS VIII
- Attachments IX
- Buckets Available IX
- Options and Accessories VIII
- Special Applications Kit X
- Special Applications Kit Inspection And Maintenance X
- Standard Items VIII

LOADER IDENTIFICATION VII

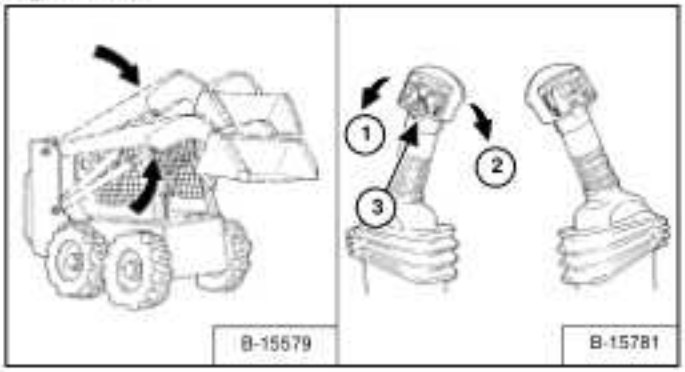
REGULAR MAINTENANCE ITEMS V

SERIAL NUMBER LOCATIONS VI
- Engine Serial Number VI
- Loader Serial Number VI

MidWestTech | Bobcat S130 Skid-Steer Loader Operation & Maintenance Manual | Publica... Order the manual at mid-west-tech.com >

Advanced Control System (ACS) in HAND Control Mode

Figure OI-34



Lift Arm Operation - (Left Hand Lever)

Move the lever outward (Item 1) **[Figure OI-34]** to raise the lift arms.

Move the lever inward (Item 2) **[Figure OI-34]** to lower the lift arms.

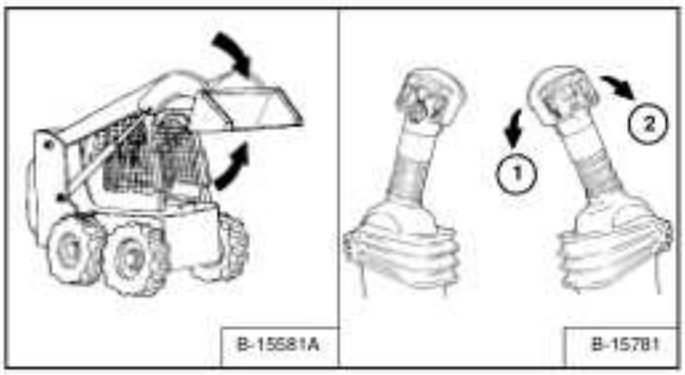
Lift Arm Float Position - (Left Hand Lever)

Press and hold the Float button (Item 3) **[Figure OI-34]** while the lever is in neutral. Move the lever to lift arm down position (Item 2) **[Figure OI-34]**, then release the button.

Press Float button (Item 3) **[Figure OI-34]** again or move the lever to lift arm up position to disengage.

Use the float position of the lift arms to level loose material while driving backward.

Figure OI-35



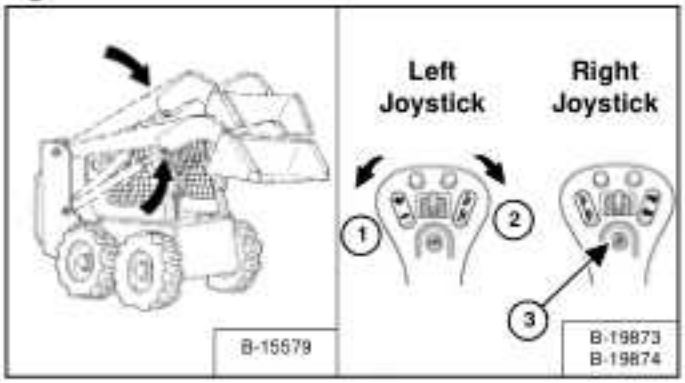
Tilt Operation - (Right Hand Lever)

Move the lever inward (Item 1) **[Figure OI-35]** to tilt the bucket backward.

Move the lever outward (Item 2) **[Figure OI-35]** to tilt the bucket forward.

Selectable Joystick Control (SJC) In 'H' Control Pattern

Figure OI-36



Lift Arm Operation (Left Hand Joystick)

Move the joystick outward (Item 1) **[Figure OI-36]** to raise the lift arms.

Move the joystick inward (Item 2) **[Figure OI-36]** to lower the lift arms.

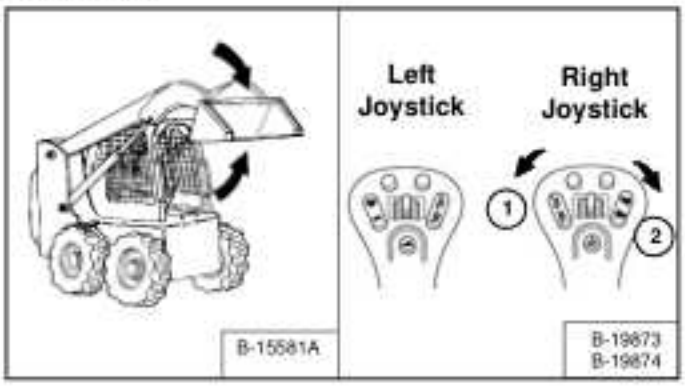
Lift Arm Float Position - (Left & Right Hand Joysticks)

Press and hold the Float button (Item 3) **[Figure OI-36]** while the joysticks are in neutral. Move the left joystick to lift arm down position (Item 2) **[Figure OI-36]**, then release the button.

Press Float button (Item 3) **[Figure OI-36]** again or move the left joystick to lift arm up position to disengage.

Use the float position of the lift arms to level loose material while driving backward.

Figure OI-37



Tilt Operation - (Right Hand Joystick)

Move the joystick inward (Item 1) **[Figure OI-37]** to tilt the bucket backward.

Move the joystick outward (Item 2) **[Figure OI-37]** to tilt the bucket forward.

MidWestTech | Bobcat S130 Skid-Steer Loader Operation & Maintenance Manual | Publica... Order the manual at mid-west-tech.com >

LUBRICATING THE LOADER

Lubrication Locations

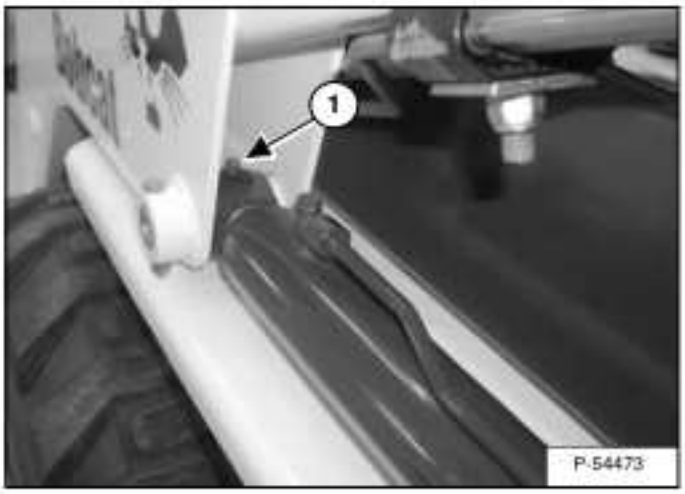
Lubricate the loader as specified for the best performance of the loader. (See SERVICE SCHEDULE on Page PM-7.)

Record the operating hours each time you lubricate the Bobcat Loader.

Always use a good quality lithium based multi-purpose grease when you lubricate the loader. Apply the lubricant until extra grease shows.

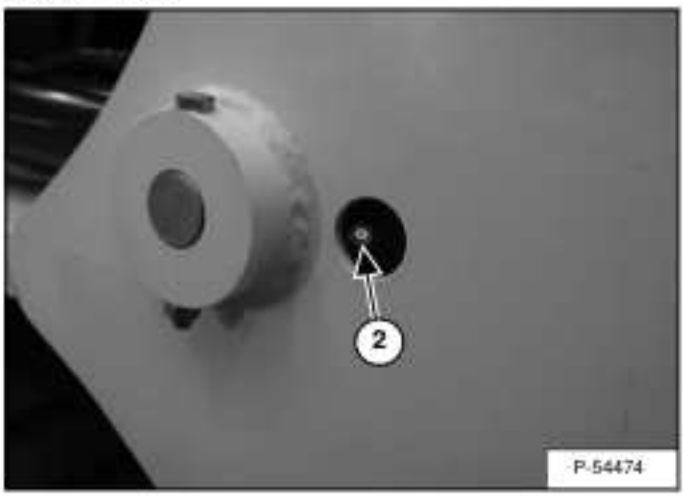
Lubricate the following locations on the loader:

Figure PM-67



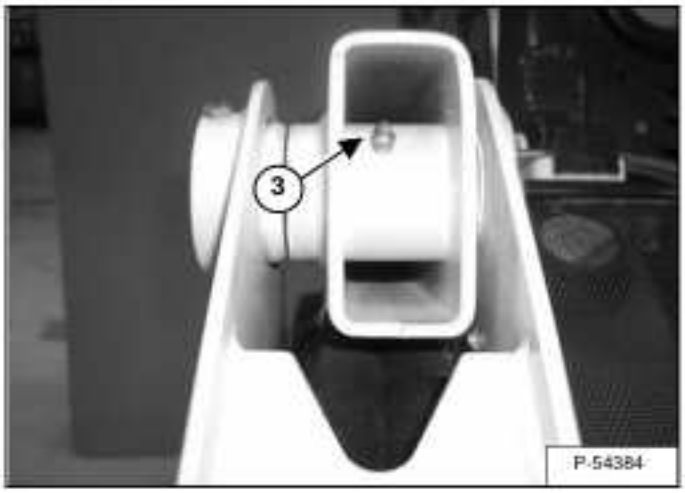
1. Rod End Lift Cylinder (Both Sides) **[Figure PM-67]**.

Figure PM-68



2. Base End Lift Cylinder (Both Sides) **[Figure PM-68]**.

Figure PM-69



3. Lift Arm Pivot Pin (Both Sides) **[Figure PM-69]**.

Figure PM-70



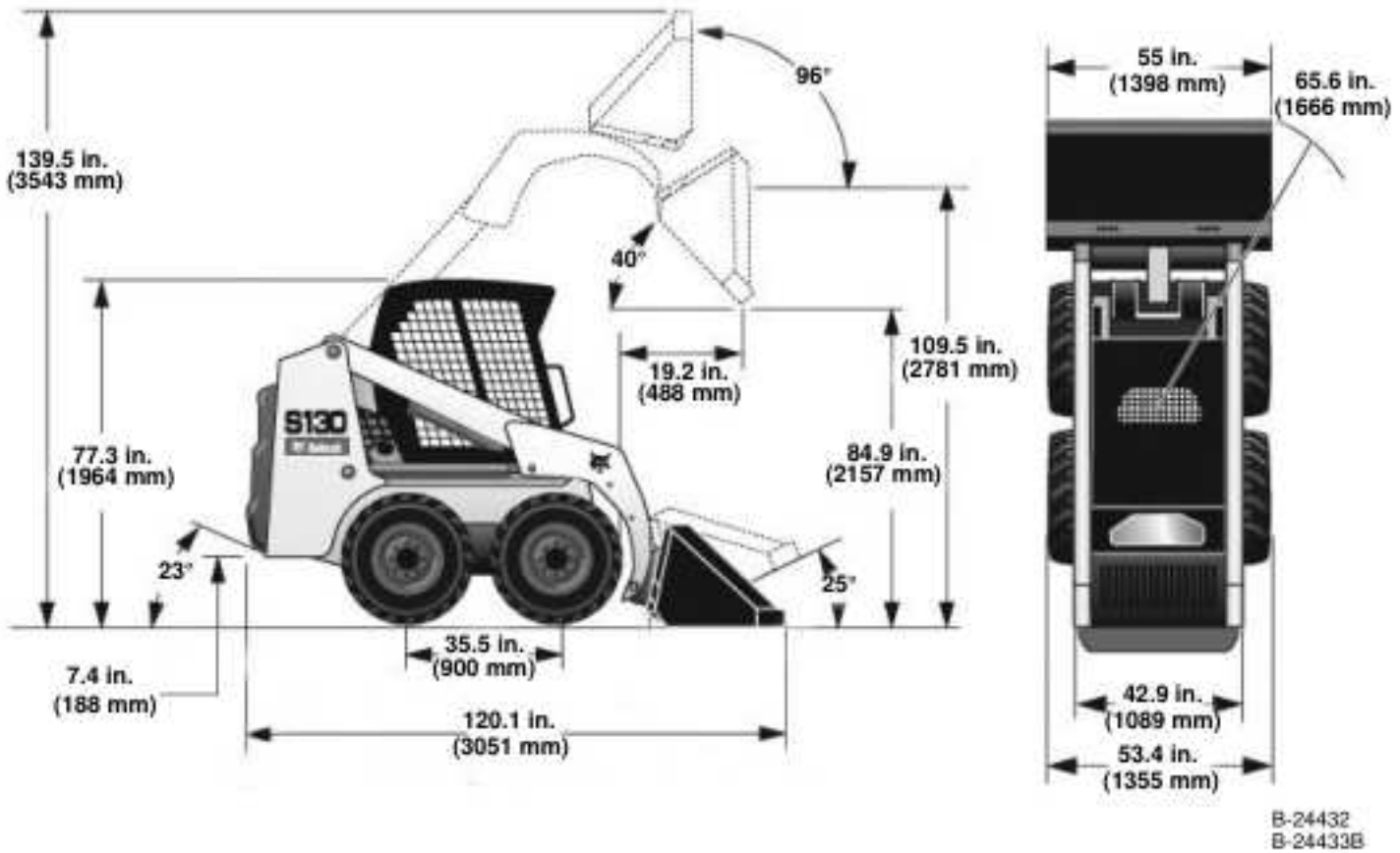
4. Base End Tilt Cylinder (Both Sides) **[Figure PM-70]**.

MidWestTech | Bobcat S130 Skid-Steer Loader Operation & Maintenance Manual | Publica... Order the manual at mid-west-tech.com >

(S130) LOADER SPECIFICATIONS

Machine Dimensions

- Dimensions are given for loader equipped with standard tires and 54 inch dirt bucket and may vary with other bucket types. All dimensions are shown in inches. Respective metric dimensions are given in millimeters enclosed by parentheses.
- Where applicable, specification conform to SAE or ISO standards and are subject to change without notice.



Changes of structure or weight distribution of the loader can cause changes in control and steering response and can cause failure of the loader parts.

MidWestTech | Bobcat S130 Skid-Steer Loader Operation & Maintenance Manual | Publica... Order the manual at mid-west-tech.com >

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

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

The Bobcat loader 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.

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.
- Operator Training Courses are available from your Bobcat dealer in English and Spanish. They provide information for safe and efficient equipment operation. Safety videos are also available.
- Service Safety Training Courses are available from your Bobcat dealer. They provide information for safe and correct service procedures.

Know the Work Conditions

- Know the weight of the materials being handled. Avoid exceeding the Rated Operating Capacity (ROC) of the machine. Material which is very dense will be heavier than the same volume of less dense material. Reduce the size of the 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 *Before Operation* Section of this manual.
- Wear tight fitting clothing. Always wear safety glasses when doing maintenance or service. Safety glasses, respiratory equipment, hearing protection or Special Applications Kits are required for some work. See your Bobcat dealer about Bobcat Safety Equipment for your model.

SI SSL-1007

MidWestTech | Bobcat S130 Skid-Steer Loader Operation & Maintenance Manual | Publica... Order the manual at mid-west-tech.com >