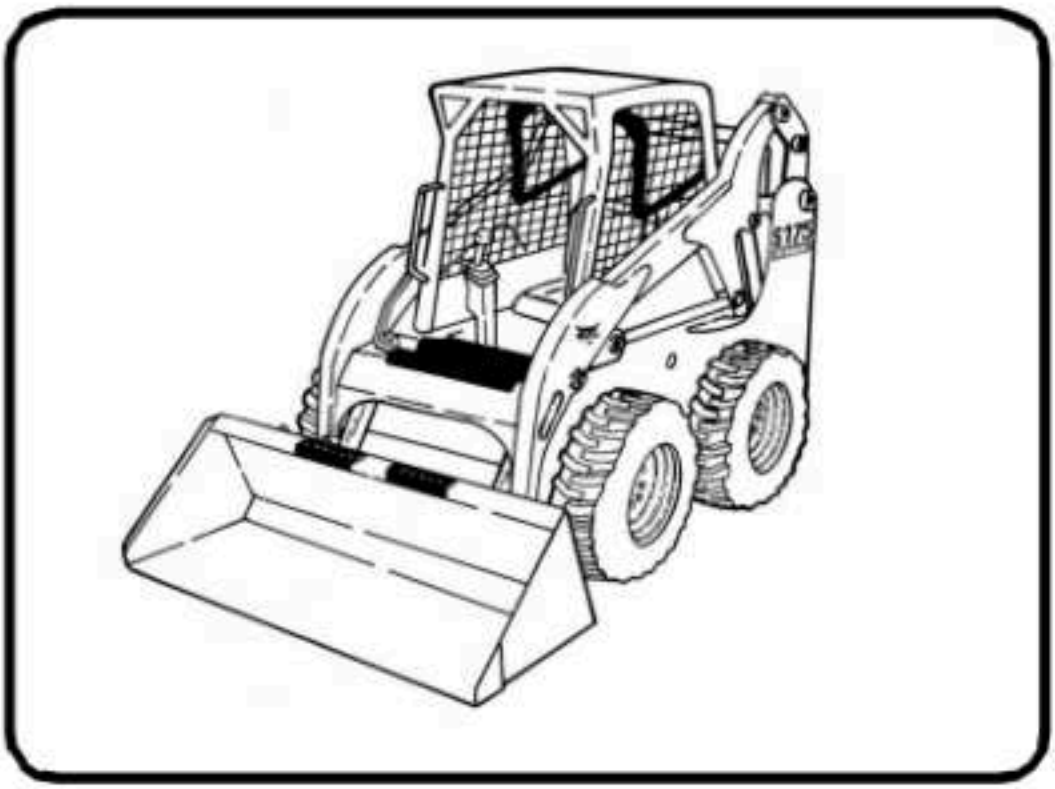
Bobcat®

Operation & Maintenance Manual
S175 Skid-Steer Loader

S/N A3L511001 - A3L519999



EQUIPPED WITH BOBCAT INTERLOCK CONTROL SYSTEM (BICS)

6986967 (3-08) Revised (4-08) (2)

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

BOBCAT COMPANY IS ISO 9001:2000 CERTIFIED V

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HYDRAULIC CONTROLS

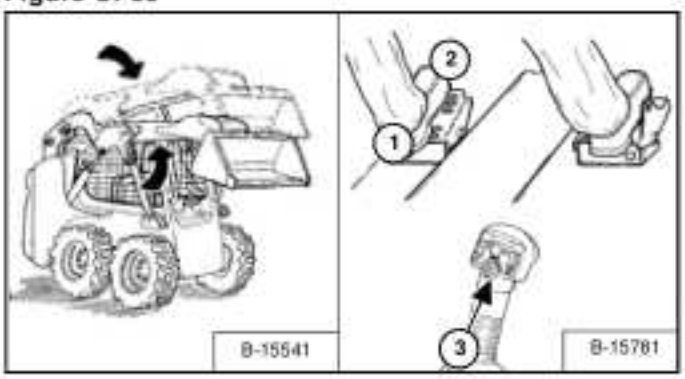
Description

Two foot pedals (or optional hand controls) control the hydraulic cylinders for the lift and tilt functions.

Put your feet on the pedals (or footrests) and KEEP THEM THERE any time you operate the loader.

Standard Controls (Also ACS In FOOT Pedal Mode)

Figure OI-35



Lift Arm Operation - (Left Pedal)

Push the heel (Item 1) **[Figure OI-35]** of the pedal to raise the lift arms.

Push the toe (Item 2) **[Figure OI-35]** of the pedal to lower the lift arms.

Lift Arm Float Position Operation - (Left Pedal)

Push the toe (Item 2) **[Figure OI-35]** of the pedal all the way forward until it locks into the float position.

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

Raise the lift arms to disengage the float position.

Lift Arm Float Position (With ACS) - (Left Pedal)

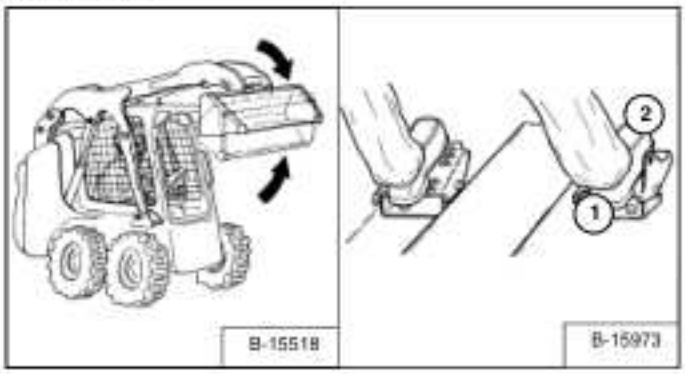
Press and hold the Float button (Item 3) **[Figure OI-35]**.

Push the toe (Item 2) **[Figure OI-35]** of the pedal forward to lower the lift arms. Then release the float button.

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

Raise the lift arms to disengage the float position.

Figure OI-36



Tilt Operation - (Right Pedal)

Push the heel (Item 1) **[Figure OI-36]** of the pedal to tilt the bucket backward.

Push the toe (Item 2) **[Figure OI-36]** of the pedal to tilt the bucket forward.

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HEATING SYSTEM

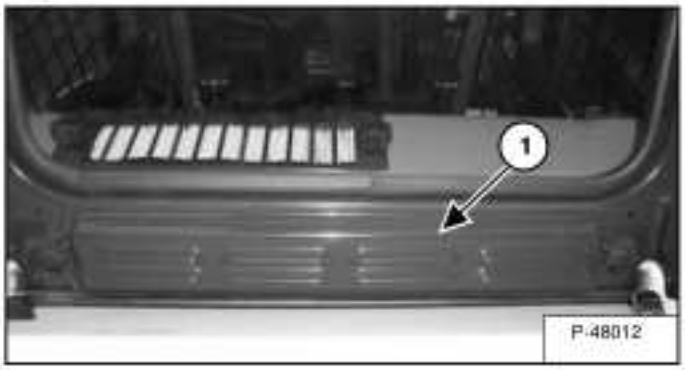
This machine may be equipped with a Heating System.

Cleaning And Maintenance

The heating system requires regular inspection and maintenance.

Filters

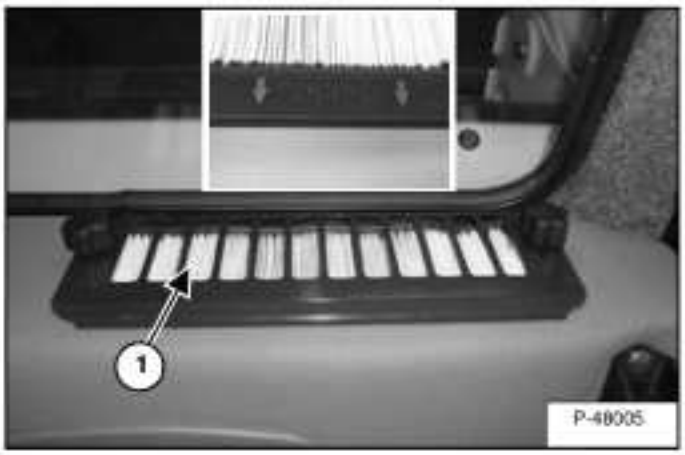
Figure PM-20



The *Fresh Air Filter* (Item 1) **[Figure PM-20]** is located below the rear window outside the cab. Remove the clamping knobs, filter cover and filter.

Shake the filter or use low pressure air to remove dirt. This can be done several times before replacement is required. Install the filter, filter cover and clamping knobs.

Figure PM-21



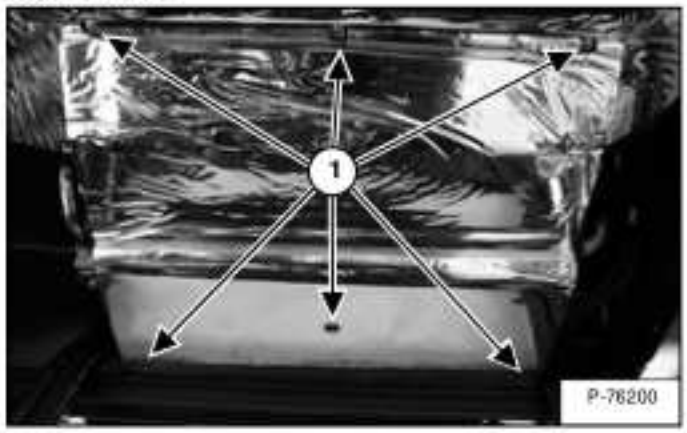
The *Recirculation Filter* (Item 2) **[Figure PM-21]** is located in front of the rear window inside the cab. Remove the clamping knobs, filter cover, and filter.

Shake the filter or use a vacuum to clean. This can be done several times before replacement is required. Install the filter with the arrows pointing forward (Inset) **[Figure PM-21]**, install the filter cover and clamping knobs.

Heater Coil

Raise the operator cab. (See Raising on Page PM-14.)

Figure PM-22



Remove the cover screws (Item 1) **[Figure PM-22]** and remove the cover.

Figure PM-23



Use low pressure air or water to remove debris from the heater coil (Item 1) **[Figure PM-23]**.

Install the cover and lower the operator cab. (See Lowering on Page PM-15.)

Troubleshooting

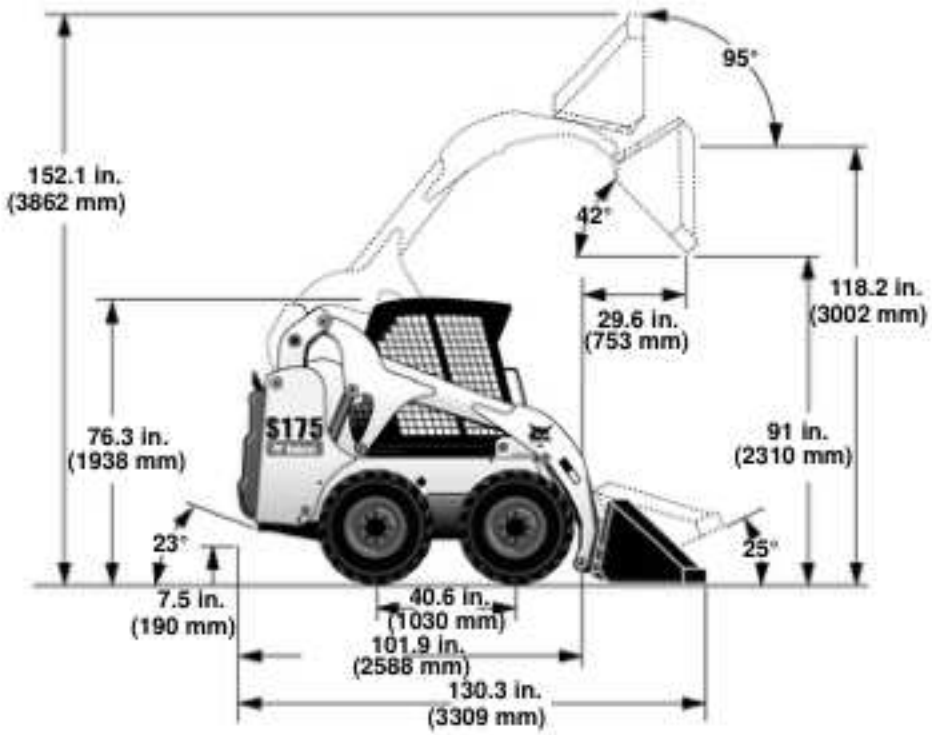
If the fan does not run, check the fuse. (See ELECTRICAL SYSTEM on Page PM-28.)

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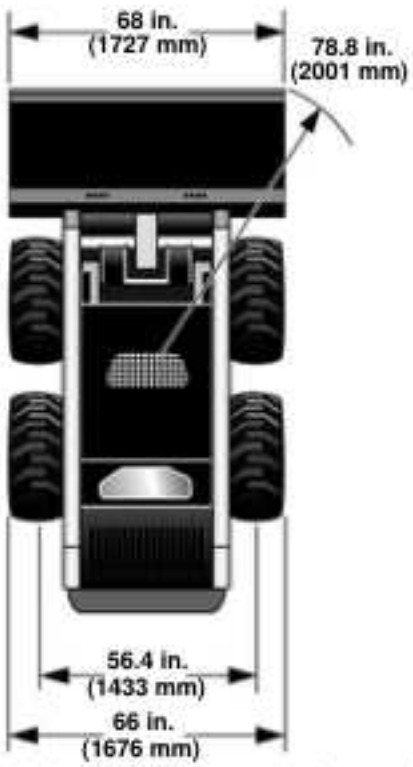
(S175) LOADER SPECIFICATIONS

Dimensions

- Dimensions are given for loader equipped with standard tires and 68 inch Construction & Industrial 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, specifications conform to SAE or ISO standards and are subject to change without notice.



B-16431



B-16432

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.

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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

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