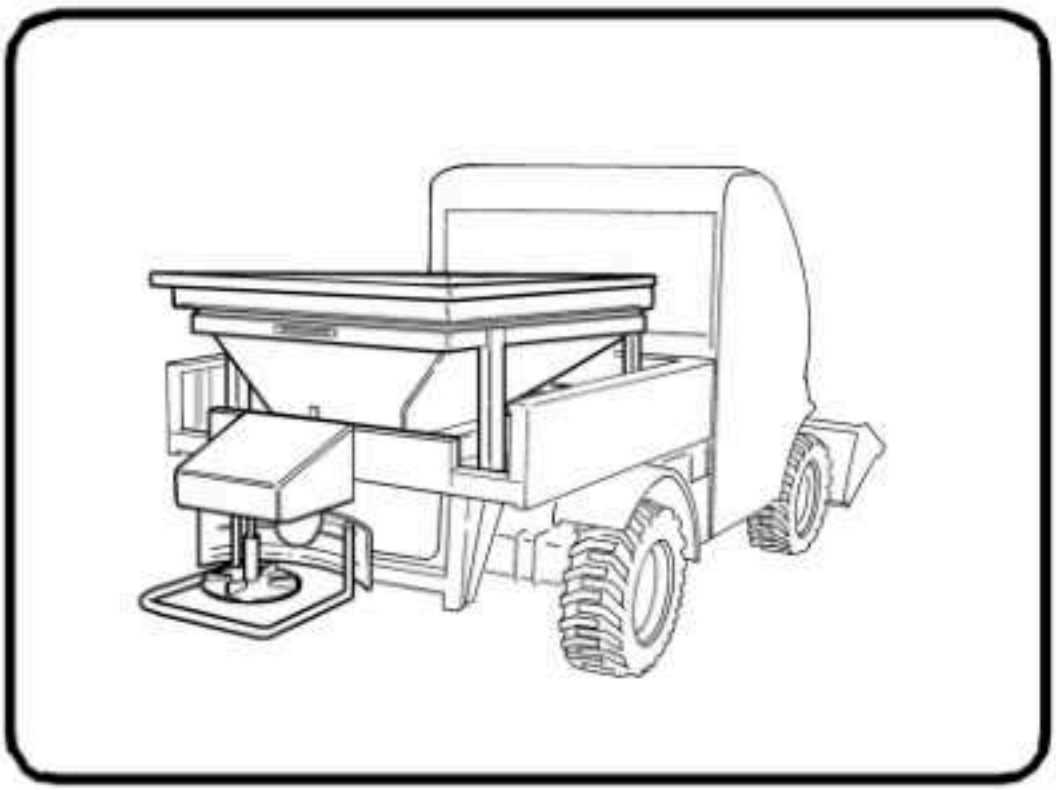
Bobcat®

Operation & Maintenance Manual
Sand Spreader

S/N 006600101 & Above



6902779 (10-07) Revised (6-08) (4)

Printed in U.S.A.

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REFERENCE INFORMATION

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

Sand Spreader Serial Number _____

_____

_____

_____

NOTES:

_____

_____

_____

YOUR BOBCAT® DEALER:

ADDRESS:

_____

PHONE:

_____

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

Bobcat Company Europe
Dréve 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 sand spreader. READ AND UNDERSTAND THIS OPERATION & MAINTENANCE MANUAL BEFORE OPERATING YOUR sand spreader. If you have any questions, see your Bobcat dealer.

BOBCAT COMPANY IS ISO 9001:2000 CERTIFIED V

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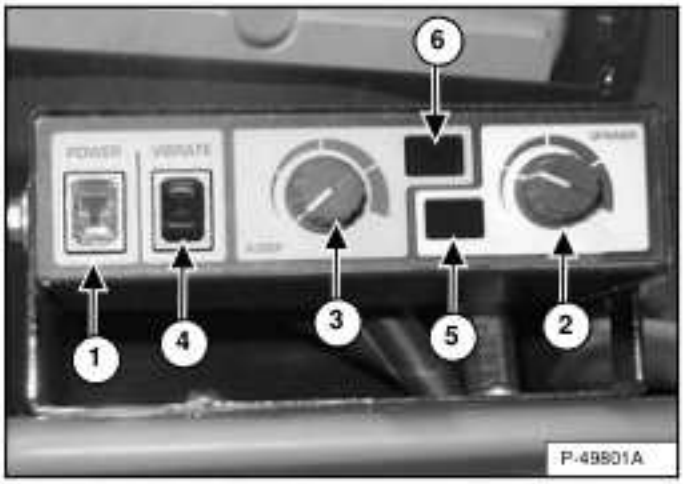
SERIAL NUMBER LOCATION VI
Attachment Serial Number Location VI

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OPERATING PROCEDURE WITH UTILITY WORK MACHINES (CONT'D)

Control Functions

Figure OI-83



The sand spreader controller is equipped with the following:

- The power switch (Item 1) **[Figure OI-83]** turns the controller ON and OFF.
- The spinner switch (Item 2) **[Figure OI-83]** increases (clockwise) and decreases (counterclockwise) the spinner wheel RPM.
- The auger switch (Item 3) **[Figure OI-83]** increases (clockwise) or decreases (counterclockwise) the material auger RPM.
- The vibrator switch (Item 4) **[Figure OI-83]** turns ON and OFF the hopper vibrator.
- Monitor panels (Items 5 & 6) **[Figure OI-83]** to display the system status and warning codes. (See TROUBLESHOOTING on Page PM-3.)

Clearing Jammed Auger (Auto-Reverse "AR" Function)

When using the sand spreader and an audible beeping occurs with the monitor panel (Items 5 or 6) **[Figure OI-83]** reading "OL" (overload) or "OH" (overheat) this could indicate a jammed auger.

The Auto-Reverse "AR" function may be used to try and clear the jammed auger.

How to engage the Auto-Reverse "AR" function:

1. Shut the power switch (Item 1) **[Figure OI-83]** OFF for 3 seconds.
2. Turn the power switch (Item 1) **[Figure OI-83]** ON. The spreader will start in the Auto-Reverse "AR" sequence, with the auger rotating in reverse to clear the jam.

After the auger momentarily stops, the auger will automatically return to the correct rotation.

If the jam was not cleared, the monitor panel (Items 5 or 6) **[Figure OI-83]** on the controller will again display "OL" or "OH".

Steps 1 and 2 may be repeated for a second and third time if the auger jam was not cleared.

⚠ WARNING

AVOID INJURY OR DEATH

Before cleaning, servicing or inspecting the Sand Spreader, turn the Power switch OFF, stop the engine and disconnect the electrical harnesses from the machine.

W-2486-1003

If after the third try the monitor panel (Items 5 or 6) **[Figure OI-83]** on the controller still displays "OL" or "OH", the foreign material or object jamming the auger must be manually removed.

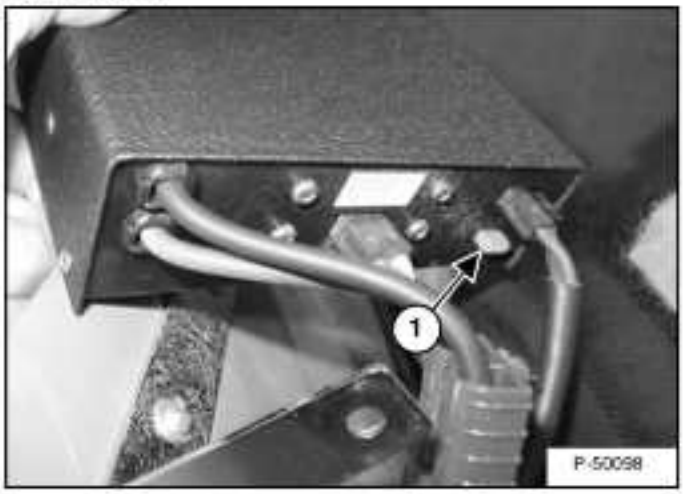
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REGULAR MAINTENANCE ITEMS

Fuses

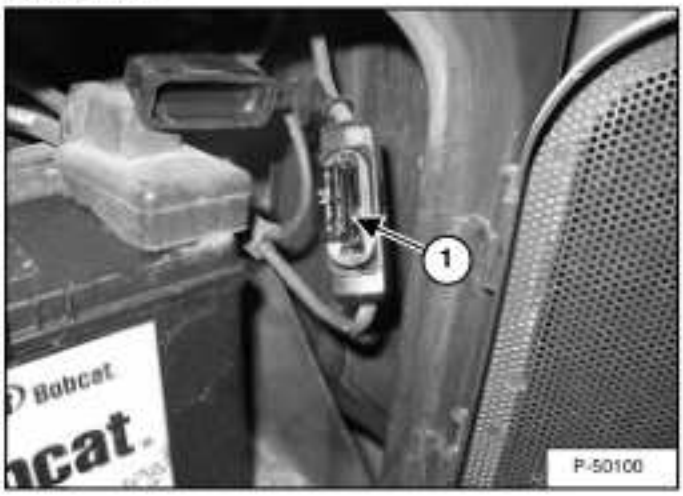
There are 2 fuses used in the sand spreader electrical circuit. Inspect both fuses if there is any electrical problem with the sand spreader. Always replace the fuses with the same style and size fuse as originally supplied.

Figure PM-1



A 15 amp fuse (Item 1) **[Figure PM-1]** is located in the rear of the controller.

Figure PM-2



A 60 amp fuse (Item 1) **[Figure PM-2]** is located in line in the sand spreader positive (red) cable.

LUBRICATING THE ATTACHMENT

Lubrication Locations

Always use a good quality lithium based grease when lubricating the sand spreader. Apply the lubricant until extra grease shows.

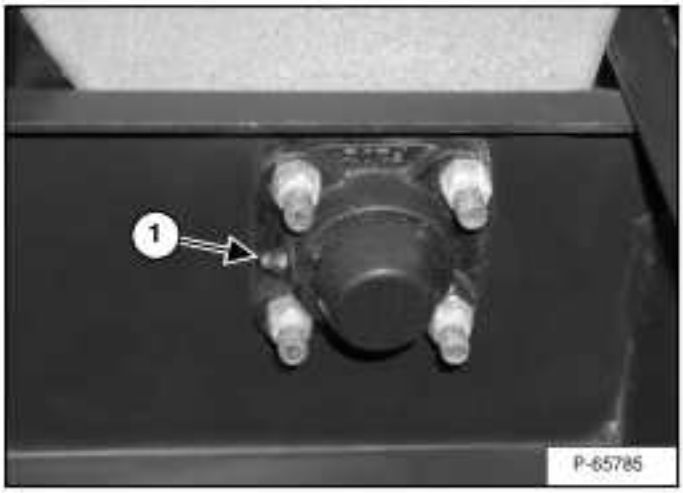
IMPORTANT

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

Lubricate the following grease fitting every **8 to 10 hours**:

Figure PM-3



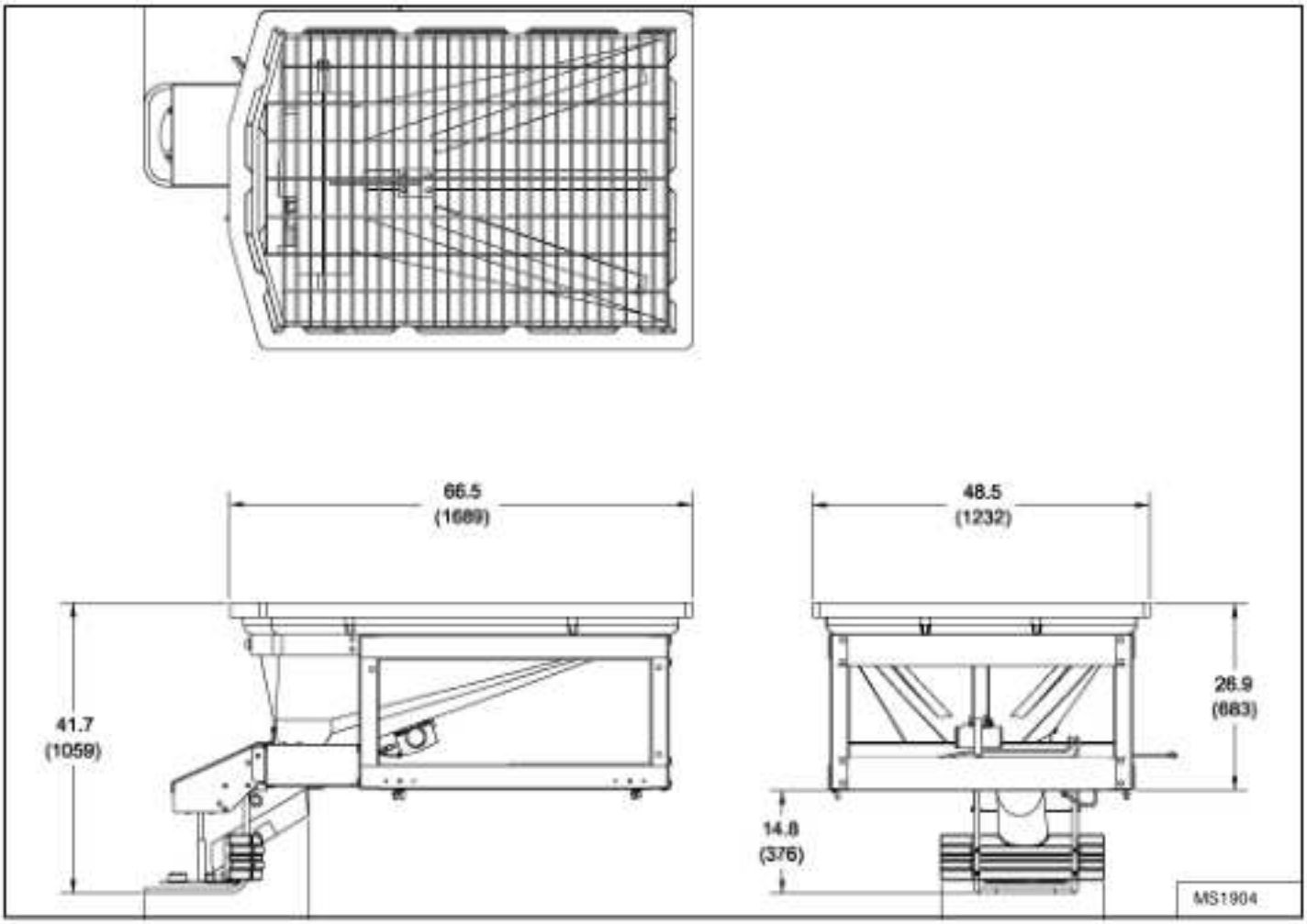
Auger shaft bearing (Item 1) **[Figure PM-3]**.

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SAND SPREADER ATTACHMENT SPECIFICATIONS (CONT'D)

Dimensions

- All dimensions are shown in inches. Respective metric dimensions are given in millimeters enclosed by parentheses.
- Where applicable, specifications conform to **SAE and ISO** standards and are subject to change without notice.



DESCRIPTION	SAND SPREADER
Width	48.5 in. (1232 mm)
Height (without vehicle)	41.7 in. (1059 mm)
Length	78.5 in. (1994 mm)
Weight (hopper empty)	325 lb. (147,2 kg)
Hopper Capacity	13-1/2 cu.-ft. (1/2 cu. yard) (.38 cu.m.)
Power Supply	12 volts (60 amp fused circuit)

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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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