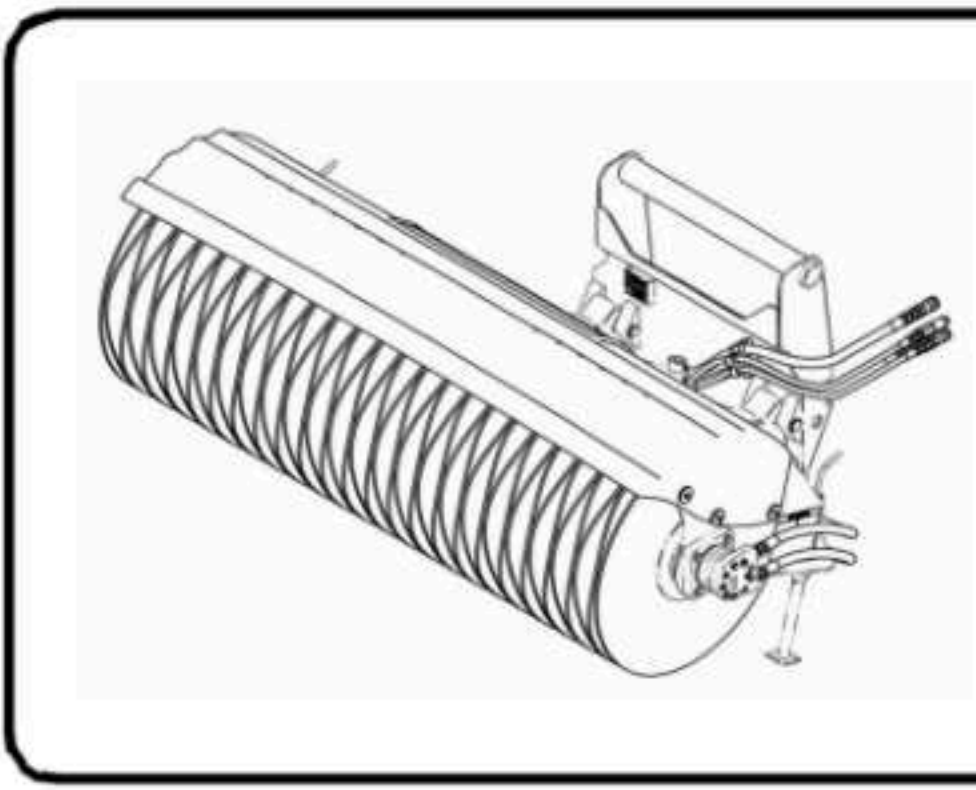
Bobcat®

VersaHANDLER®

Operation & Maintenance Manual
84 In. Angle Broom

S/N 662700101 & Above



6901385 (3-07) Revised (1-08) (2)

Printed in U.S.A.

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REFERENCE INFORMATION

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

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

BOBCAT COMPANY IS ISO 9001:2000 CERTIFIED V

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Operation With VersaHANDLERS

Operating The Angle Broom

Figure OI-26

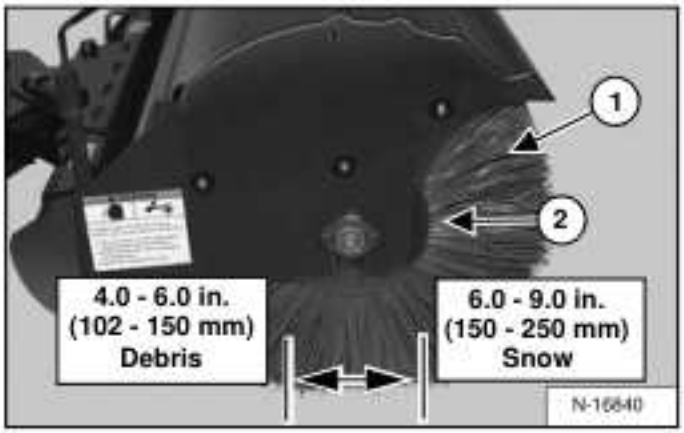


Have the boom fully retracted when operating the angle broom. Tilt the angle broom back fully and lower the boom fully **[Figure OI-26]**.

Use the correct amount of ***down pressure***, which is a measure of how much coverage the broom has on the surface or the length of the bristle in contact with the surface.

Change the down pressure by tilting the mounting frame towards or away from the VersaHANDLER.

Figure OI-27



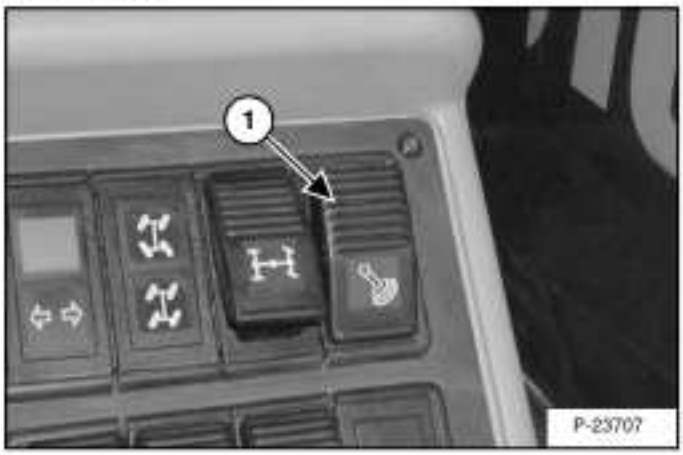
For debris removal, a 4.0 - 6.0 in. (102 - 150 mm) contact with the surface is recommended. This will allow the tips or ends of the bristle to dig and break up and throw the material **[Figure OI-27]**.

For snow removal, a 6.0 - 9.0 in. (150 - 250 mm) contact with the ground is recommended **[Figure OI-27]**.

Correct down pressure will increase your sweeping performance and bristle life.

Excessive down pressure while trying to dig and break up the debris can result in adverse bristle deflection resulting in accelerated bristle wear (Item 1) or the bristle can break at the ring (Item 2) **[Figure OI-27]**.

Figure OI-28



When traveling on a road with the VersaHANDLER, always carry the attachment low. Always press the top of Hydraulic Control Lockout switch (Item 1) **[Figure OI-28]** to lockout all the joystick functions. This will prevent accidental and unwanted movement of the boom and attachment while moving the VersaHANDLER.

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LUBRICATING THE ATTACHMENT

Lubrication Locations

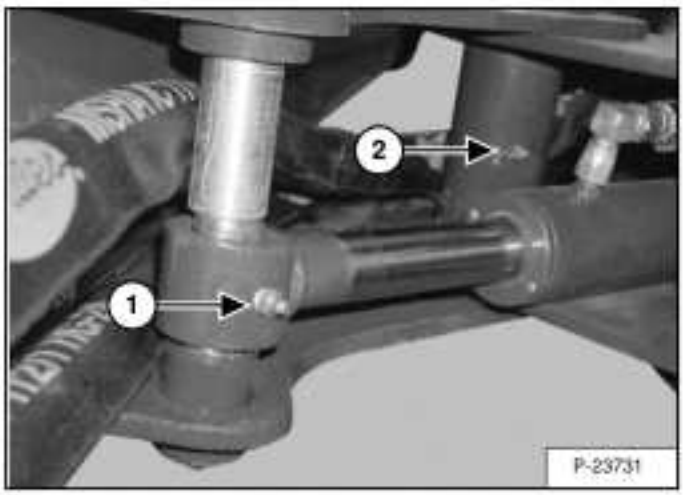
Always use a good quality lithium base multi-purpose grease when lubricating the angle broom. Apply the lubricant until extra grease shows.

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

Figure PM-1

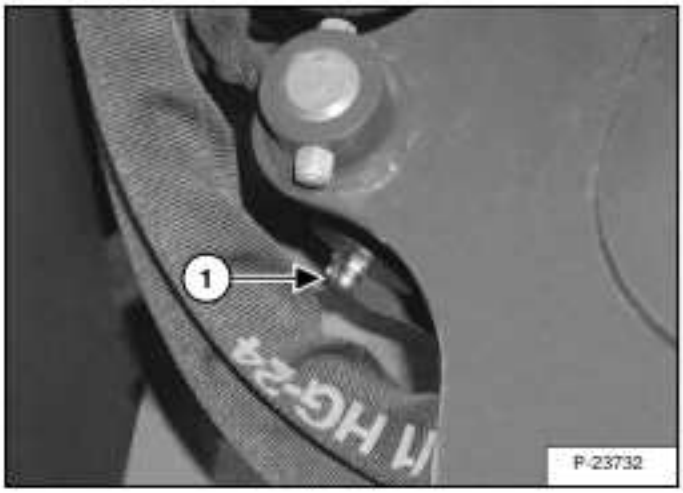


Lubricate the three grease fittings, **EVERY 20 hours**:

Cylinder rod end (Item 1) **[Figure PM-1]**.

Center pivot pin (Item 2) **[Figure PM-1]**.

Figure PM-2



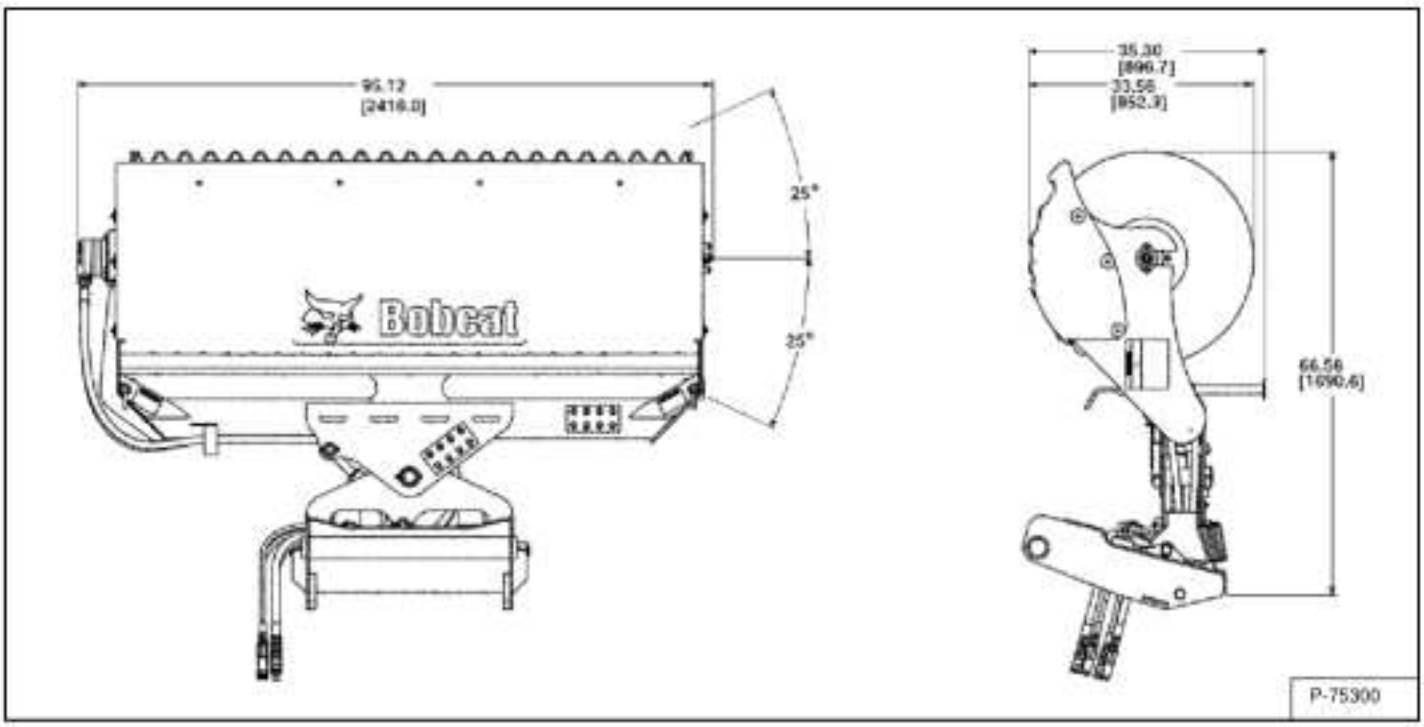
Cylinder base end (Item 1) **[Figure PM-2]**.

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ANGLE BROOM 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	84 IN. ANGLE BROOM
Operating Weight	970 lb. (440kg)
Maximum Hydraulic Flow	32 GPM (121 LPM)
Maximum Hydraulic Pressure	3000 PSI (207 bar)
Number Of Bristle Sections	44 Convoluted / 2 Flat
Bristle Diameter	32.0 in. (813 mm)
Sweeping Width	84.0 in. (2134 mm)
Broom Speed	185 rpm @ 24 GPM (91 LPM)

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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

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 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-1007

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