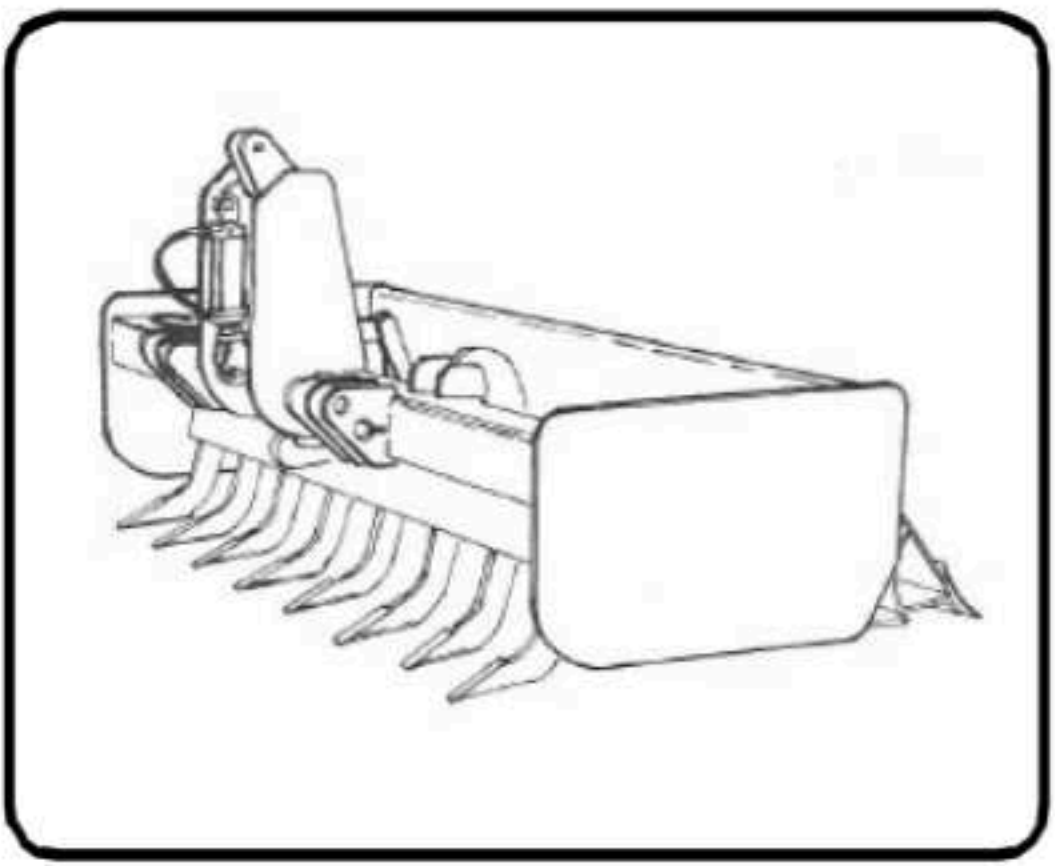
Bobcat®

Operation & Maintenance Manual
Heavy Duty Box Blade

(Blade 3HDBB72) S/N AF4N00101 & Above
(Blade 3HDBB84) S/N AF4P00101 & Above



6987241 (10-08) Revised (12-09) (1)

Printed in U.S.A.

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REFERENCE INFORMATION

Write the correct information for YOUR heavy duty box blade in the spaces below. Always use these numbers when referring to your heavy duty box blade.

Heavy Duty Box Blade Serial Number _____

NOTES:

_____

_____

_____

_____

_____

YOUR BOBCAT DEALER:

_____

ADDRESS:

_____

PHONE:

_____

Bobcat Company
P.O. Box 128
Gwinner, ND 58040-0128
UNITED STATES OF AMERICA

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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 heavy duty box blade. READ AND UNDERSTAND THIS OPERATION & MAINTENANCE MANUAL BEFORE OPERATING YOUR HEAVY DUTY BOX BLADE. If you have any questions, see your Bobcat dealer.

BOBCAT COMPANY IS IS0 9001 CERTIFIED 5

SERIAL NUMBER LOCATION 7
Implement Serial Number 7

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OPERATING PROCEDURE WITH COMPACT TRACTORS (CONT'D)

Operation With The Compact Tractor (Cont'd)

Operating The Three-Point Implement (Scraper Blade)

⚠ WARNING

AVOID INJURY OR DEATH

Before you leave the operator's seat:

- **Fully lower the loader arms, put the attachment flat on the ground (if equipped).**
- **Fully lower the implement(s) to the ground (if equipped).**
- **Lock brake pedals together and engage the parking brake.**
- **Place F-N-R lever in neutral (SST models only).**
- **Place all controls in neutral.**
- **Stop the engine, unfasten the seat belt and remove the key.**

W-2569-0909

When at the area to be scraped, stop the tractor, lower the heavy duty box blade from the travel position to the ground.

Exit the compact tractor. (See Entering And Exiting The Compact Tractor on Page 37.)

Adjust the top link to set the cutting edge at the correct angle. (See Top Link on Page 41.)

Enter the compact tractor. (See Entering And Exiting The Compact Tractor on Page 37.)

Slowly drive the tractor forward scraping the heavy duty box blade across the ground with the three-point lift control in the float position.

Watch for and avoid obstructions and obstacles that may cause damage to the heavy duty box blade and compact tractor.

NOTE: Avoid obstructions and obstacles that could cause damage to heavy duty box blade.

When done with the pass, lift the heavy duty box blade, turn the tractor around, lower the box blade to the ground and continue until the area is finished.

The hydraulic lift scarifier can be raised for un-packed material and be lowered to help penetrate hard-packed material. The scarifier has a maximum working depth of 3 in. (76.2 mm). (See the compact tractor Operation & Maintenance Manual and Operator's Handbook for detailed information on operating the auxiliary hydraulics).

NOTE: Always return the auxiliary hydraulics control lever to the center position. Failure to do so can result in overheating the hydraulics causing permanent damage to the compact tractor or to the heavy duty box blade.

Operating The Three-Point Implement (Backfill Blade)

The top link is critical in all backfilling operations. Adjust the top link so the blade is tilted down at the rear, causing the blade to move across the ground and not digging into the ground. (See Top Link on Page 41.)

NOTE: Use a slow speed and caution to prevent damage to the heavy duty box blade while using the backfill blade.

The backfilling operation should be performed with the load in the center of the blade. Avoids loads at the ends of the blades.

Do not ram into a load, this may cause damage to the heavy duty box blade and compact tractor.

Perform all backfilling operations at slow speeds to prevent damage if the blade hits an object.

Moving snow with the backfilling blade is a delicate operation and should be done at a slower speed and with caution.

NOTE: Damage to the heavy duty box blade and compact tractor may occur by hitting hidden objects.

Damage to the heavy duty box blade may occur by hitting objects that can be hidden easily in the snow, or a snow bank that is too much material to move.

Use caution when using the heavy duty box blade for snow removal because the compact tractor may suddenly lose and regain traction causing a sudden surge of ground speed.

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LUBRICATING THE IMPLEMENT

Lubrication Locations

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

⚠ WARNING

AVOID INJURY OR DEATH

Wear safety glasses to prevent eye injury when any of the following conditions exist:

- **When fluids are under pressure.**
- **Flying debris or loose material is present.**
- **Engine is running.**
- **Tools are being used.**

W-2019-0907

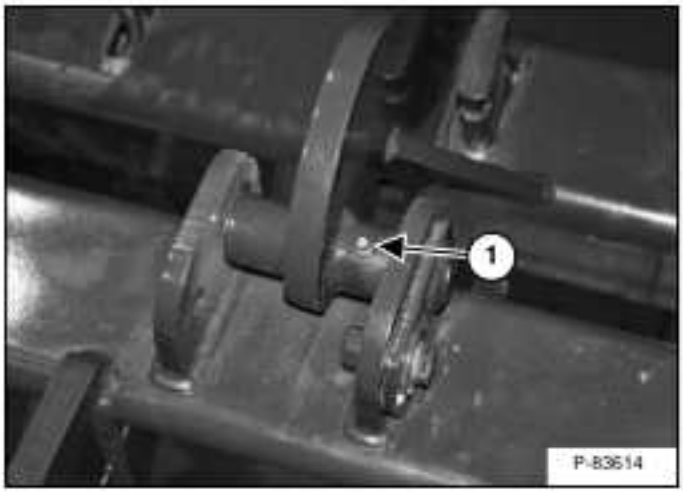
IMPORTANT

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

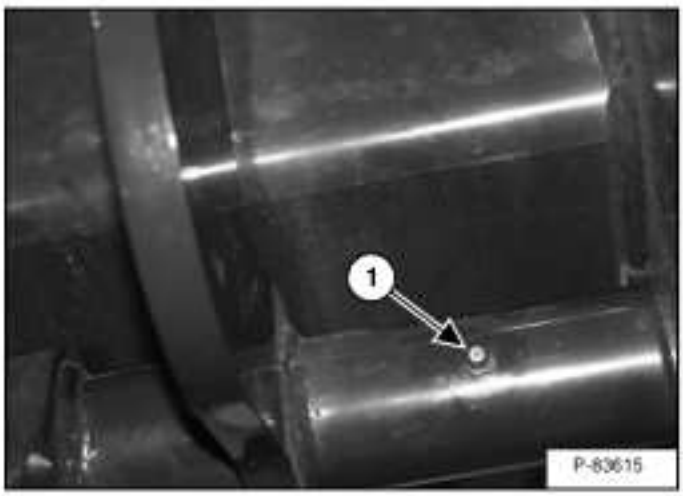
Lubricate the following locations on the heavy duty box blade **every 8 hours**:

Figure 57



One grease point (Item 1) **[Figure 57]** is located on each shank holder pivot.

Figure 58



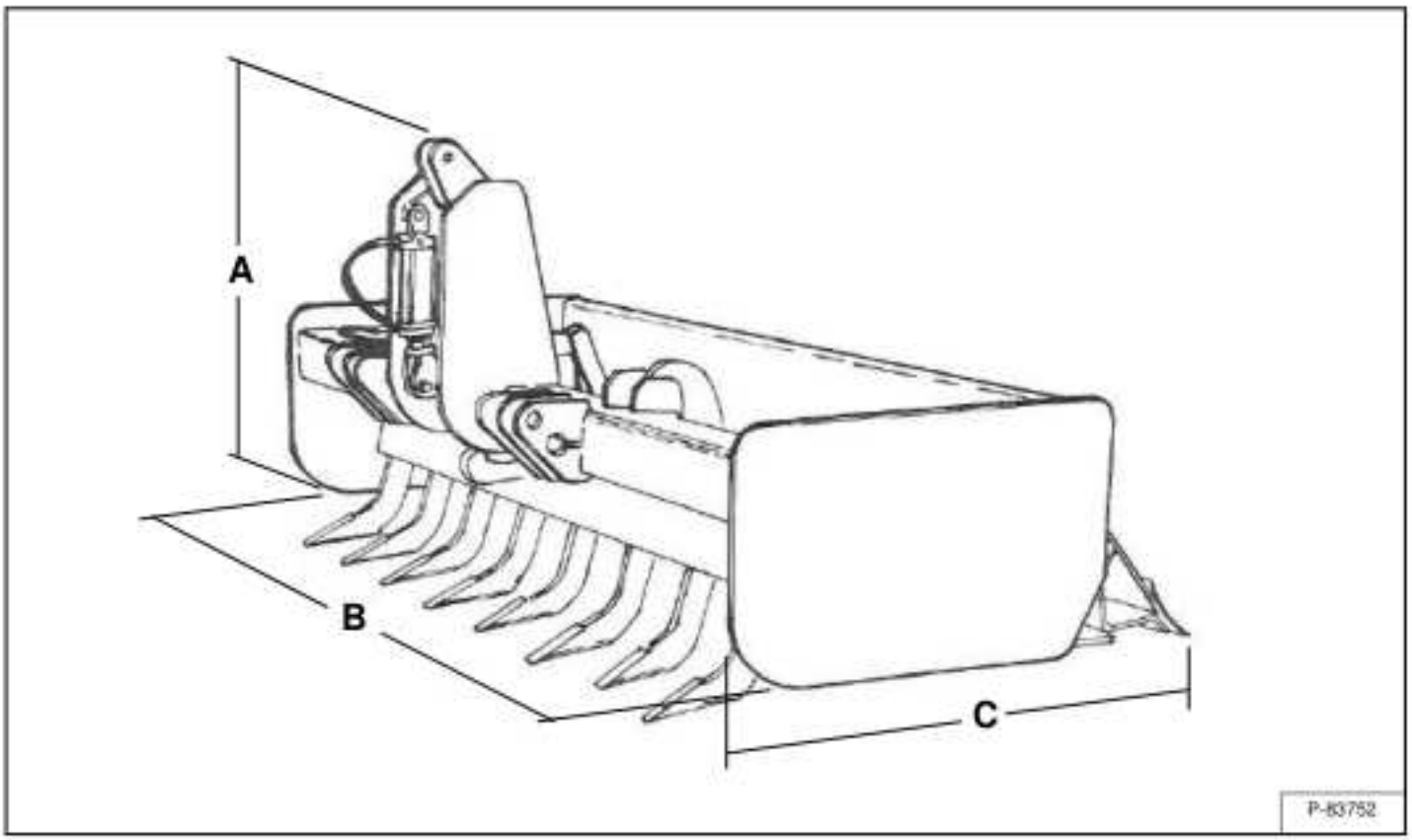
One grease point (Item 1) **[Figure 58]** is located on the cylinder pivot weldment.

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HEAVY DUTY BOX BLADE IMPLEMENT SPECIFICATIONS

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	BLADE 3HDBB72 (72 in.)	BLADE 3HDBB84 (84 in.)
Overall Height (A)	35 in. (889 mm)	35 in. (889 mm)
Overall Width (B)	73.5 in. (1866,9 mm)	85.5 in. (2171,7 mm)
Overall Depth (C)	46 in. (1168,4 mm)	46 in. (1168,4 mm)

Performance

DESCRIPTION	BLADE 3HDBB72 (72 in.)	BLADE 3HDBB84 (84 in.)
Working Width	72 in. (1828,8 mm)	84 in. (2133,6mm)
Number of Shanks	8	8
Shank Penetration	0-3 in. (0-76,2 mm)	0-3 in. (0-76,2 mm)
Shank Size	0.75 in. x 2.5 in. (19,05 mm x 63,5 mm)	0.75 in. x 2.5 in. (19,05 mm x 63,5 mm)
Main Frame	5 in. x 5 in. x 5/16 in. (127 mm x 127 mm x 7,9 mm)	5 in. x 5 in. x 5/16 in. (127 mm x 127 mm x 7,9 mm)
Hitch Type	CAT I - CAT II	CAT I - CAT II
Number of Cutting Edges/Size	2/ 0.5 in. x 6 in. (12,7 mm x 152,4 mm)	2/ 0.5 in. x 6 in. (12,7 mm x 152,4 mm)
Weight With Scarifiers	958 lb. (434,5 kg)	1068 lb. (484,5 kg)

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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 implement 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 implement.

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 implement safely under all conditions of the work area. Fasten seat belt securely when Roll-Over Protective Structure (ROPS) is up and locked. DO NOT wear the seat belt if ROPS is down.

Know the Work Conditions

- Know the weight of the materials being handled. Avoid exceeding the machine and implement 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.

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