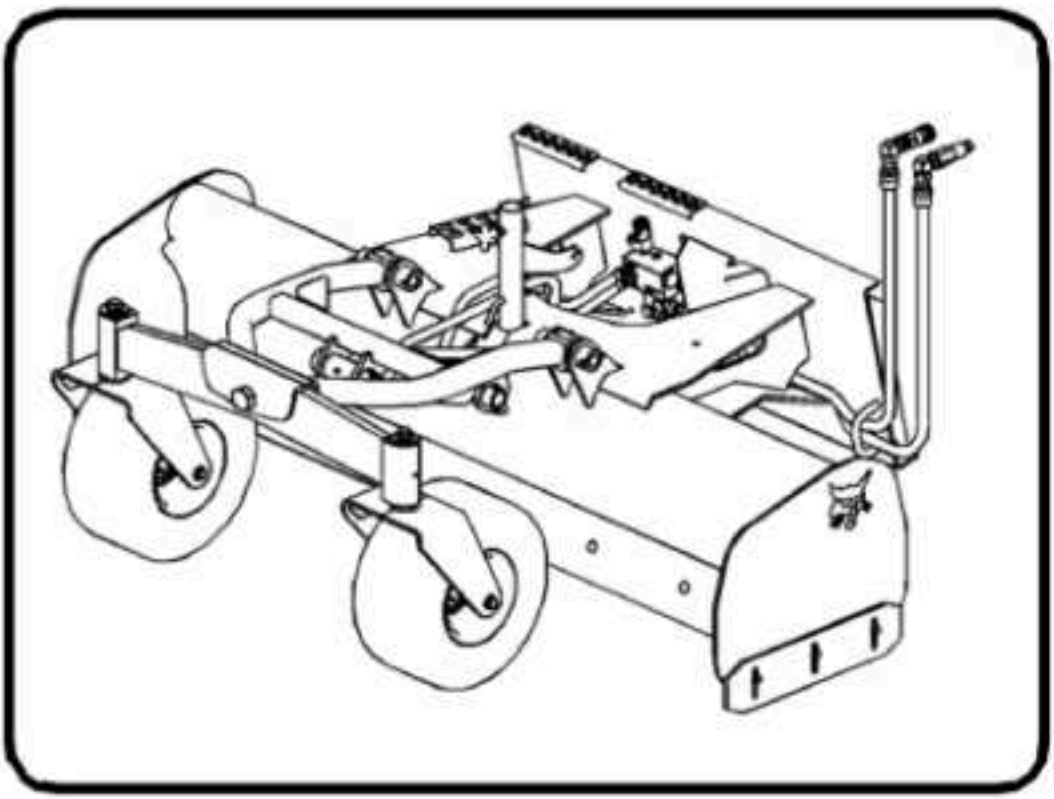
Bobcat®

Operation & Maintenance Manual
Box Blade

(Box Blade) S/N 657400101 & Above
(Box Blade Laser) S/N 657500101 & Above



6901435 (1-11) Revised (3-11) (7)

Printed in U.S.A.

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REFERENCE INFORMATION

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

Box Blade Serial Number _____

_____

NOTES:

_____

_____

_____

_____

YOUR BOBCAT DEALER:

_____

ADDRESS:

_____

PHONE:

_____

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

Doosan Benelux SA
Drève 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 Bobcat box blade. READ AND UNDERSTAND THIS OPERATION & MAINTENANCE MANUAL BEFORE OPERATING YOUR BOBCAT BOX BLADE. If you have any questions, see your Bobcat dealer. This manual may illustrate options and accessories not installed on your Bobcat box blade.

BOBCAT COMPANY IS IS0 9001 CERTIFIED 5

SERIAL NUMBER LOCATION 7
Attachment Serial Number 7

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Control Functions (Cont'd)

Control Functions (With Laser Option)

Figure 137

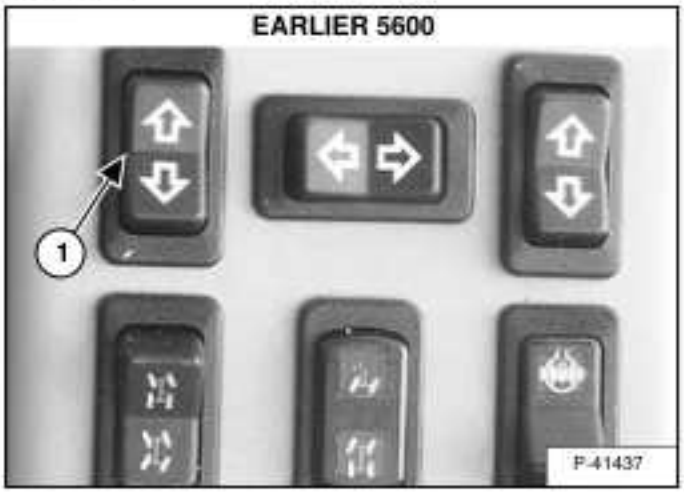
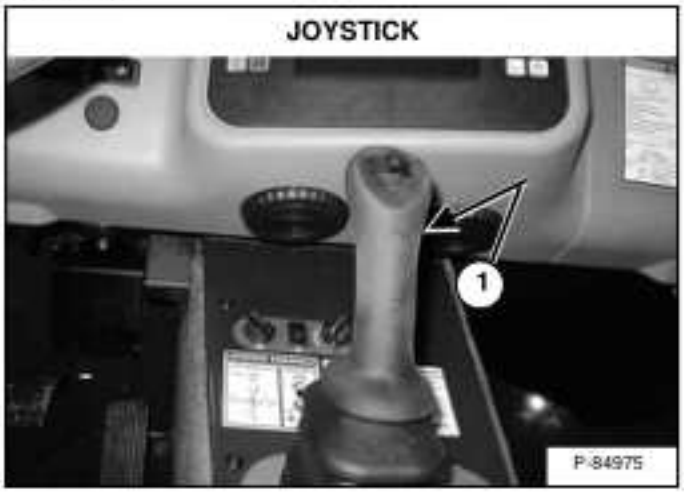


Figure 138



To adjust the bolster move the switch (Item 1) **[Figure 137]** or **[Figure 138]** up to raise the box blade, and down to lower the box blade.

Figure 139



The switch (Item 1) **[Figure 139]** allows the operator to switch between manual and self-leveling modes.

Operation With The Work Machine

Operating The Box Blade (Without Laser Option)

Figure 140



Enter the work machine. (See Entering And Exiting The Work Machine on Page 60.)

Fasten seat belt. Lower the operator arm rest, start the engine, and release the parking brake.

Lower the box blade to the ground, distributing weight evenly to all four tires of the work machine **[Figure 140]**.

While moving forward raise or lower the bolster to adjust the digging depth. (See Control Functions on Page 70.)

This operating position will provide the best grading results.

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REGULAR MAINTENANCE ITEMS

Cutting Edge

⚠ WARNING

AVOID INJURY OR DEATH

Securely block up the attachment before working underneath.

W-2795-0409

⚠ WARNING

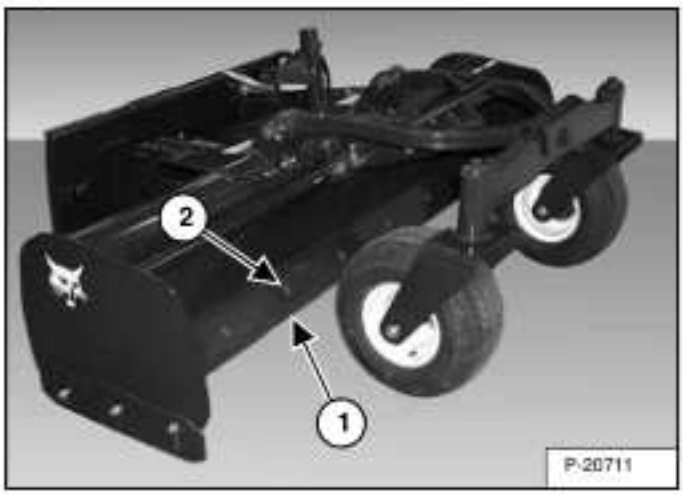
AVOID INJURY OR DEATH

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

Figure 168



Inspect the cutting edge (Item 1), replace if any damage or excessive wear is visible. Tighten or replace any loose or missing bolts or nuts (Item 2) **[Figure 168]**. (See Procedure on Page 92.)

LUBRICATING THE ATTACHMENT

Lubrication Locations

Always use a good quality lithium base multi purpose grease when lubricating the attachment. Apply 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

⚠ WARNING

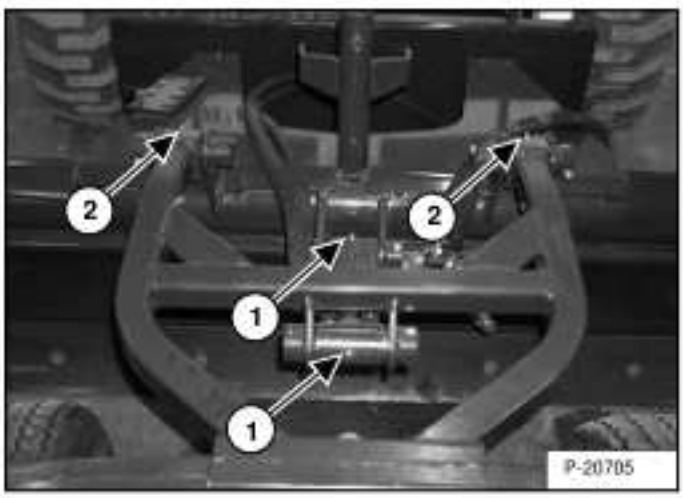
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- **When fluids are under pressure.**
- **Flying debris or loose material is present.**
- **Engine is running.**
- **Tools are being used.**

W-2019-0907

Figure 169



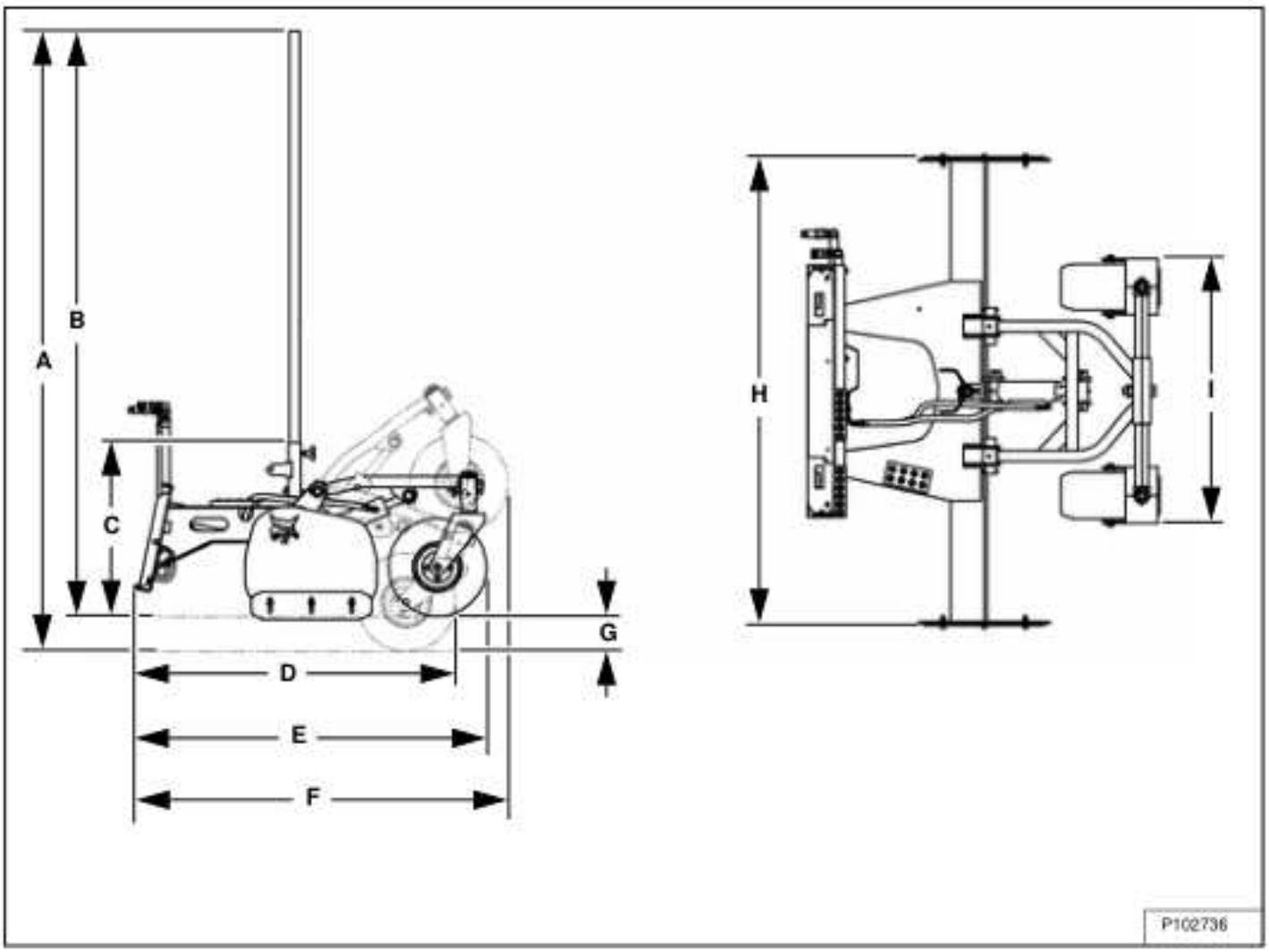
Add grease to the fittings on each end of the bolster cylinder (Item 1) and to the rear bolster pivot bushings (Item 2) **[Figure 169]**.

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BOX BLADE SPECIFICATIONS

Dimensions

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



DESCRIPTION	BOX BLADE	BOX BLADE LASER
Height W / Bolster Fully Lowered (A)	2875 mm (113.18 in)	2875 mm (113.18 in)
Height W / Bolster Level Parallel With Ground (B)	2713 mm (106.79 in)	2713 mm (106.79 in)
Height W / O Laser Pole (C)	807 mm (31.79 in)	807 mm (31.79 in)
Length W / Bolster Fully Lowered (D)	1489 mm (58.63 in)	1489 mm (58.63 in)
Length W / Bolster Level Parallel With Ground (E)	1634 mm (64.33 in)	1634 mm (64.33 in)
Length W / Bolster Fully Raised (F)	1734 mm (68.28 in)	1734 mm (68.28 in)
Bolster Depth Below Cutting Edge (G)	162 mm (6.39 in)	162 mm (6.39 in)
Overall Width (H)	2172 mm (85.50 in)	2172 mm (85.50 in)
Bolster Width (I)	1226 mm (48.25 in)	1226 mm (48.25 in)

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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 operating the machine. Untrained operators can cause injury or death.

W-2001-0502

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-0509

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