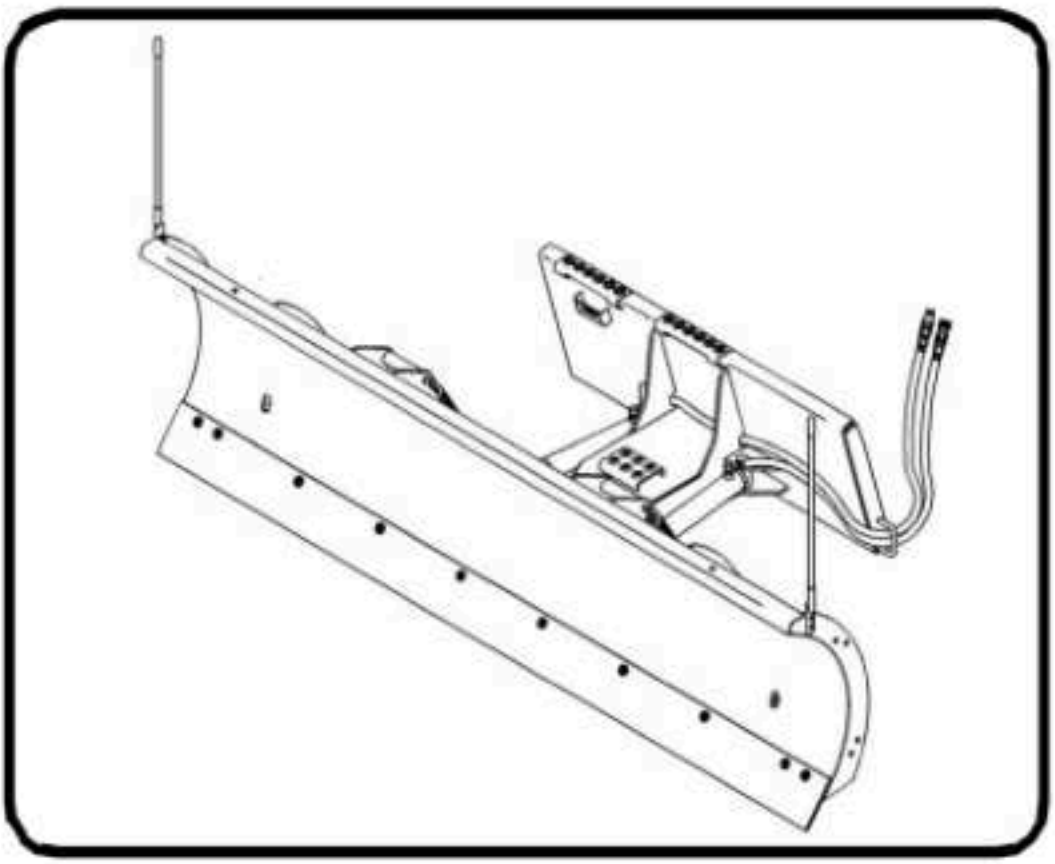
Bobcat®

Operation & Maintenance Manual
Snow Blade

(60 Snow Blade) S/N 610700101 & Above
(72 Snow Blade) S/N 223100101 & Above
(84 Snow Blade) S/N 683600101 & Above
(96 Snow Blade) S/N 683800101 & Above



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REFERENCE INFORMATION

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

Snow 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 snow blade. READ AND UNDERSTAND THIS OPERATION & MAINTENANCE MANUAL BEFORE OPERATING YOUR BOBAT SNOW BLADE. If you have any questions, see your Bobcat dealer.

BOBCAT COMPANY IS IS0 9001 CERTIFIED 5

SERIAL NUMBER LOCATION 7
Attachment Serial Number 7

DELIVERY REPORT 7

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FIRE PREVENTION



Maintenance

The machine and some attachments have components that are at high temperatures under normal operating conditions. The primary source of high temperatures is the engine and exhaust system. The electrical system, if damaged or incorrectly maintained, can be a source of arcs or sparks.

Flammable debris (leaves, straw, etc.) must be removed regularly. If flammable debris is allowed to accumulate, it can cause a fire hazard. Clean often to avoid this accumulation. Flammable debris in the engine compartment is a potential fire hazard.

The operator's area, engine compartment and engine cooling system must be inspected every day and cleaned if necessary to prevent fire hazards and overheating.

All fuels, most lubricants and some coolants mixtures are flammable. Flammable fluids that are leaking or spilled onto hot surfaces or onto electrical components can cause a fire.

Operation

Do not use the machine where exhaust, arcs, sparks or hot components can contact flammable material, explosive dust or gases.

Electrical



Check all electrical wiring and connections for damage. Keep the battery terminals clean and tight. Repair or replace any damaged part or wires that are loose or frayed.

Battery gas can explode and cause serious injury. Use the procedure in the Operation & Maintenance Manual for connecting the battery and for jump starting. Do not jump start or charge a frozen or damaged battery. Keep any open flames or sparks away from batteries. Do not smoke in battery charging area.

Hydraulic System

Check hydraulic tubes, hoses and fittings for damage and leakage. Never use open flame or bare skin to check for leaks. Hydraulic tubes and hoses must be properly routed and have adequate support and secure clamps. Tighten or replace any parts that show leakage.

Always clean fluid spills. Do not use gasoline or diesel fuel for cleaning parts. Use commercial nonflammable solvents.

Fueling



Stop the engine and let it cool before adding fuel. No smoking! Do not refuel a machine near open flames or sparks. Fill the fuel tank outdoors.

Starting

Do not use ether or starting fluids on any engine that has glow plugs. These starting aids can cause explosion and injure you or bystanders.

Use the procedure in the Operation & Maintenance Manual for connecting the battery and for jump starting.

Spark Arrestor Exhaust System

The spark arrestor exhaust system is designed to control the emission of hot particles from the engine and exhaust system, but the muffler and the exhaust gases are still hot.

Check the spark arrestor exhaust system regularly to make sure it is maintained and working properly. Use the procedure in the Operation & Maintenance Manual for cleaning the spark arrestor muffler (if equipped).

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OPERATING PROCEDURE WITH LOADERS (CONT'D)

Control Functions

Electric Auxiliary Hydraulic Controls

Enter the loader. Fasten the seat belt, lower the seat bar and start the engine. Release the parking brake.

Engage the auxiliary hydraulics. (See your loader's Operation & Maintenance Manual and Operator's Handbook for correct procedure.)

NOTE: Auxiliary hydraulics must be activated prior to attachment operation.

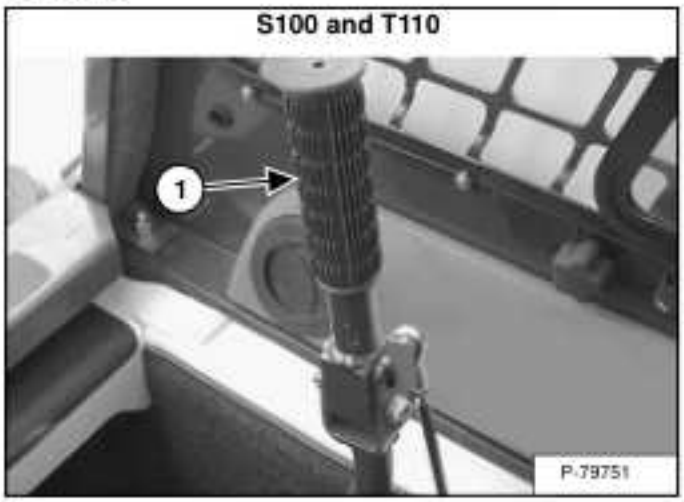
Figure 55



To angle the snow blade to the right, move the switch (Item 1) **[Figure 55]** on the right steering lever or joystick to the right.

To angle the snow blade to the left, move the switch (Item 1) **[Figure 55]** on the right steering lever or joystick to the left.

Figure 56



NOTE: Remove the hydraulic control lockout bolt from the right control lever before using the auxiliary control for the first time. See the loader's Operation & Maintenance Manual for correct procedure.

The handle of the right steering lever (Item 1) **[Figure 56]** is also the control lever for the auxiliary hydraulics.

Move the handle to the right to angle the snow blade to the right.

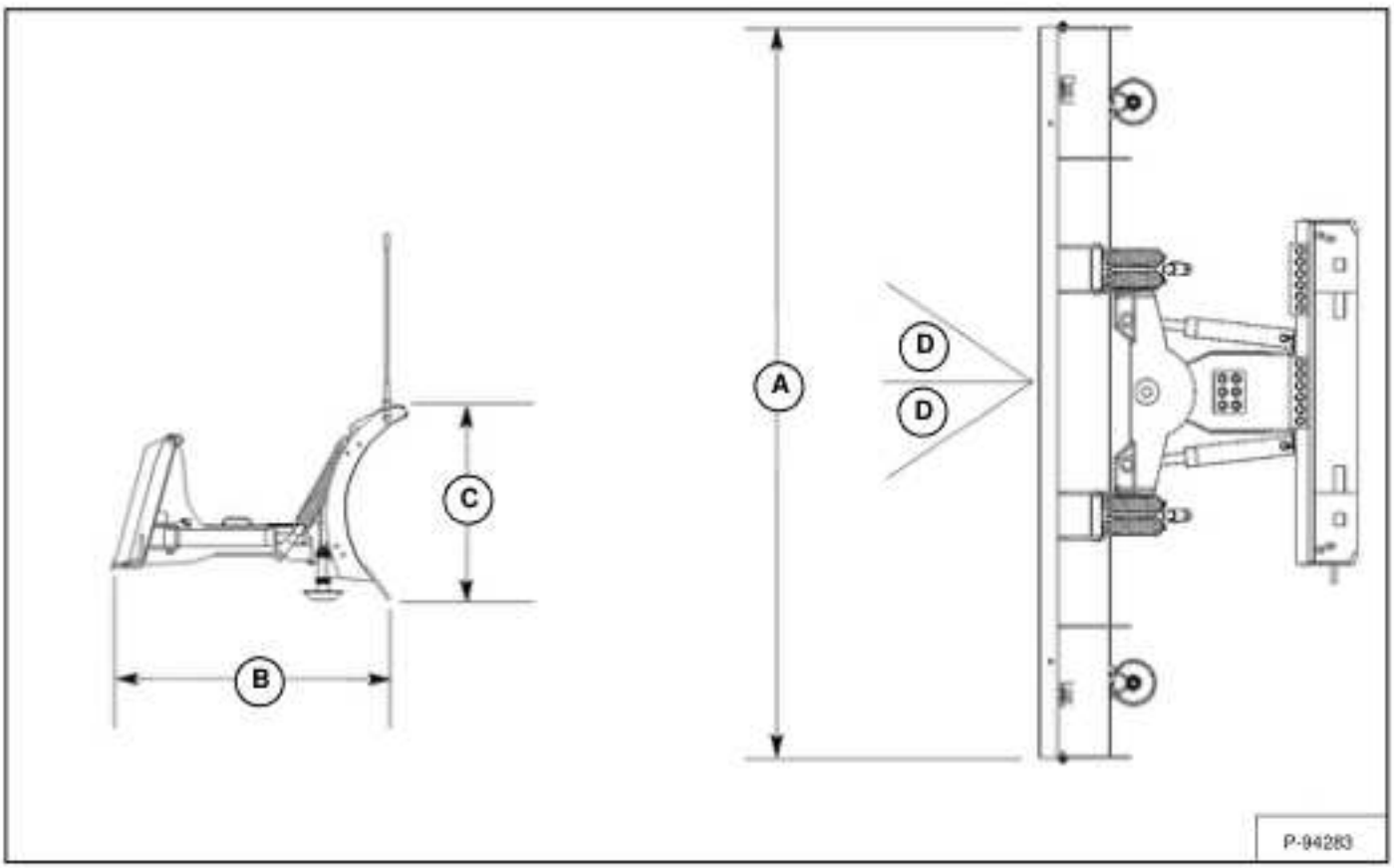
Move the handle to the left to angle the snow blade to the left.

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(60, 72, 84 AND 96) SNOW BLADE SPECIFICATIONS

Dimension

- 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	60 SNOW BLADE	72 SNOW BLADE	84 SNOW BLADE	96 SNOW BLADE
Working Width (full angle) (A)	1346 mm (52 in)	1600 mm (63 in)	1854 mm (73 in)	2108 mm (83 in)
Length (B)	1067 mm (42 in)	1067 mm (42 in)	1067 mm (42 in)	1067 mm (42 in)
Height (C)	711 mm (28 in)	711 mm (28 in)	711 mm (28 in)	711 mm (28 in)
Angle (D)	30°	30°	30°	30°

Performance

DESCRIPTION	60 SNOW BLADE	72 SNOW BLADE	84 SNOW BLADE	96 SNOW BLADE
Weight	263 kg (580 lb)	272 kg (600 lb)	281 kg (620 lb)	299 kg (660 lb)
Cylinder Bore	51 mm (2 in)	51 mm (2 in)	51 mm (2 in)	51 mm (2 in)
Cylinder Rod	32 mm (1.25 in)	32 mm (1.25 in)	32 mm (1.25 in)	32 mm (1.25 in)
Cylinder Stroke	244 mm (9.6 in)	244 mm (9.6 in)	244 mm (9.6 in)	244 mm (9.6 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.

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