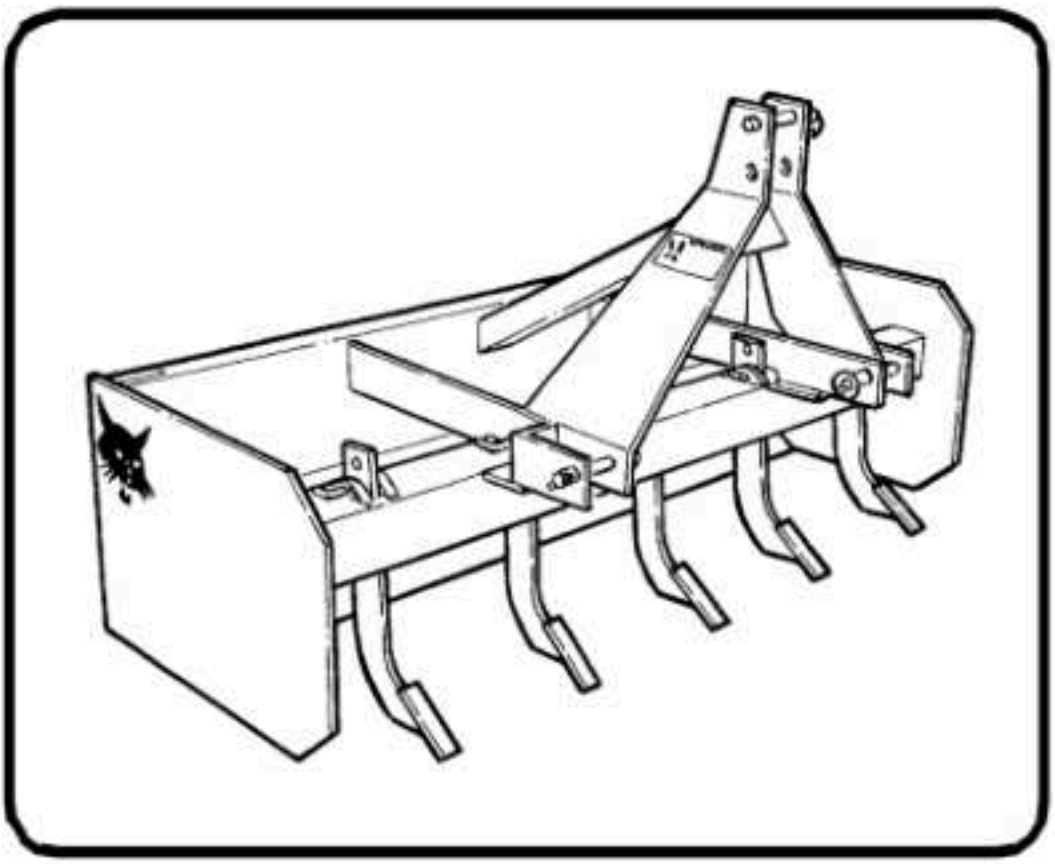
Bobcat®

Operation & Maintenance Manual
Three-Point Box Blade

(3BB60) S/N AL1600101 & Above
(3BB72) S/N AL1700101 & Above
(3BB84) S/N AL1800101 & Above



6989542 (1-10) Revised (3-10) (1)

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REFERENCE INFORMATION

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

Three-Point 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 three-point box blade. READ AND UNDERSTAND THIS OPERATION & MAINTENANCE MANUAL BEFORE OPERATING YOUR THREE-POINT BOX BLADE. If you have any questions, see your Bobcat dealer. This manual may illustrate options and accessories not installed on your three-point tine rake.

BOBCAT COMPANY IS IS0 9001 CERTIFIED 5

SERIAL NUMBER LOCATION 6
Implement Serial Number 6

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FIRE PREVENTION



Maintenance

The machine and some implements 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 COMPACT TRACTORS (CONT'D)

Control Functions Three-Point Hitch

The three-point hitch will be used to raise or lower the implement. (See the compact tractor's Operation & Maintenance Manual and Operator's Handbook for detailed information on operating the three-point hitch).

Operation With The Compact Tractor

Driving The Implement And Tractor To Worksite

Read and understand the implement's Operation & Maintenance Manual and the compact tractor's Operation & Maintenance Manual prior to installing or using any implement.

⚠ WARNING

AVOID INJURY OR DEATH

- **Steering and braking can be affected by the loader attachment, implements, front wheel assist and the rear differential lock. Always install the correct ballast. Do not exceed the Loader or Three-Point Hitch lift capacities.**
- **Always carry loads low. Slow down when turning.**
- **Always lock the brake pedals together for road travel.**
- **Unlock the brake pedals only when using brake pedals to assist in slow speed turns in work applications.**
- **Make sure that the brakes are adjusted correctly so the compact tractor does not pull to one side when braking.**

W-2738-0708

⚠ WARNING

AVOID INJURY OR DEATH

- **Use ROPS and fasten the seat belt.**
- **Install the correct front ballast.**
- **Never modify equipment or use unapproved implements.**
- **Operate the compact tractor from the operator's seat only.**
- **Keep bystanders away. Never carry riders.**

W-2667-0907

Figure 41



Enter the compact tractor. (See Entering And Exiting The Compact Tractor on Page 35.) Start the engine.

Raise the three-point box blade to the travel position **[Figure 41]**. (See the compact tractor's Operation & Maintenance Manual for detailed information on operating the three-point hitch.)

Drive the compact tractor and implement to the work area.

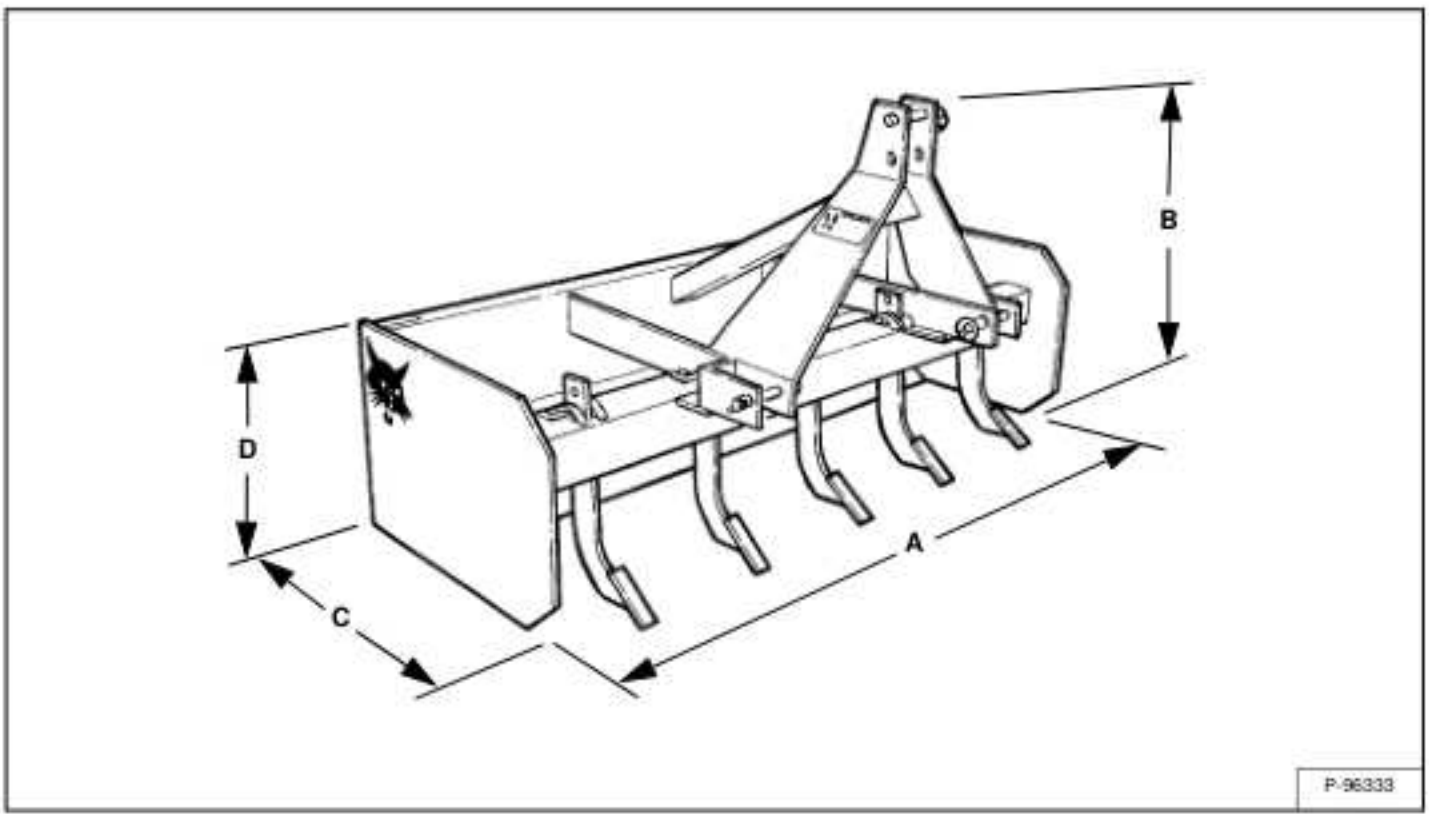
When operating on a public road or highway, always follow local regulation. For example: Slow Moving Vehicle (SMV) emblem or directional signals and hazard / flasher lights may be required.

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THREE-POINT BOX BLADE 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	60 IN. (3BB60)	72 IN. (3BB72)	84 IN. (3BB84)
Overall Width (A)	61.5 in. (1507 mm)	73.5 in. (1867 mm)	85.5 in. (2172 mm)
Overall Height (B)	35.75 in. (908 mm)		
Overall Length (C)	31.5 in. (876 mm)		
Moldboard Height (D)	17 in. (432 mm)		
Cutting Edge Height	6 in. (152 mm)		
Cutting Edge Thickness	0.5 in. (13 mm)		

Performance

DESCRIPTION	60 IN. (3BB60)	72 IN. (3BB72)	84 IN. (3BB84)
Operating Weight	436 lb. (198 kg)	483 lb. (219 kg)	530 lb. (240 kg)
Working Width	61.5 in. (1562 mm)	73.5 in. (1867 mm)	85.5 in. (2172 mm)
Hitch Type	Category I		
Number of Cutting Edges	2		
Scarifier Shanks Penetration	1 - 4 in. (25 - 102 mm)		

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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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