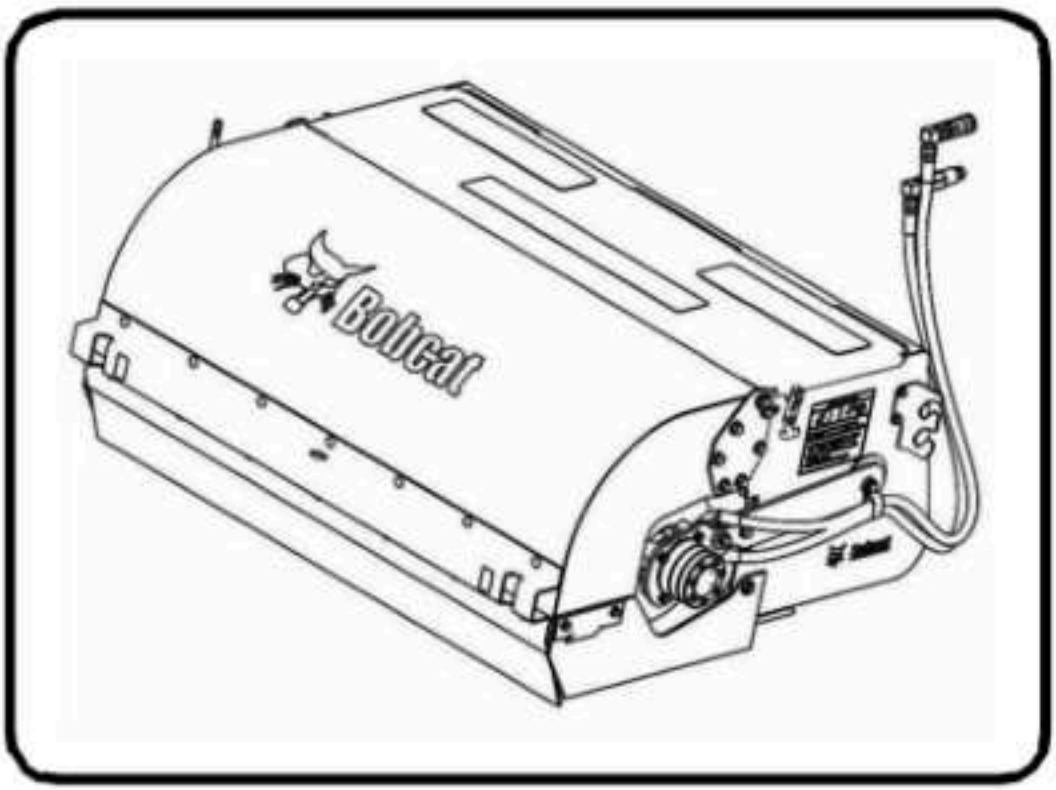
Bobcat®

Operation & Maintenance Manual
Sweeper

(36 Inch) S/N A7P200101 & Above
(44 Inch) S/N A7NW00101 & Above
(48 Inch) S/N A9T600101 & Above
(54 Inch) S/N A7NU00101 & Above



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REFERENCE INFORMATION

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

Sweeper Serial Number _____

_____

_____

_____

NOTES:

_____

_____

_____

YOUR BOBCAT® DEALER:

ADDRESS:

_____

PHONE:

_____

Bobcat Company
P.O. Box 128
Gwinner, ND 58040-0128

Bobcat Company Europe
Drève Richelle 167
B-1410 WATERLOO
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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 sweeper. READ AND UNDERSTAND THIS OPERATION & MAINTENANCE MANUAL BEFORE OPERATING YOUR sweeper. If you have any questions, see your Bobcat dealer.

BOBCAT COMPANY IS ISO 9001:2000 CERTIFIED V

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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 staring. 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 (Cont'd)

Standard Controls

Figure OI-36



Forward Travel

Press the switch (Item 1) **[Figure OI-36]** to engage the auxiliary hydraulics to rotate the broom counterclockwise. Move the loader forward and the broom will sweep debris into the bucket.

Press the switch (Item 1) **[Figure OI-36]** a second time to stop broom rotation.

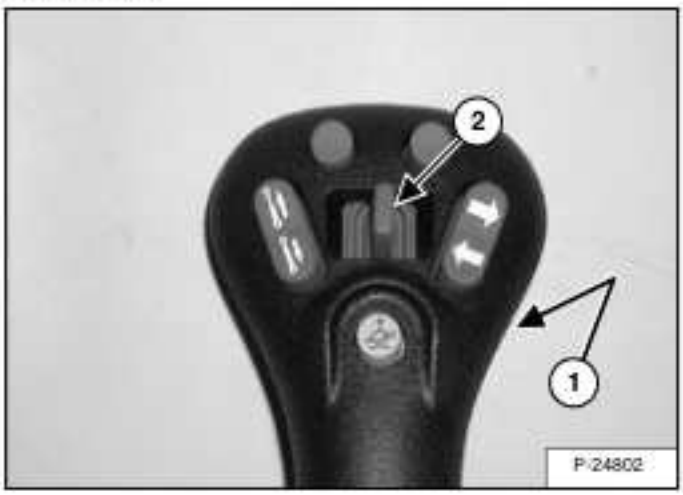
Reverse Travel

To rotate the broom clockwise, push the paddle switch (Item 2) to the left and press switch (Item 1) **[Figure OI-36]** while continuing to hold the paddle switch. Lower the cutting edge to the surface and move the loader backward. The attachment cutting edge will scrape the surface while the broom sweeps the debris into the bucket.

Press the switch (Item 1) **[Figure OI-36]** a second time to stop broom rotation.

Selectable Joystick Control (SJC)

Figure OI-37



Forward Travel

Press the trigger switch (Item 1) **[Figure OI-37]** to rotate the broom counterclockwise. Move the loader forward and the broom will sweep debris into the bucket.

Press the switch (Item 1) **[Figure OI-37]** a second time to stop broom rotation.

Reverse Travel

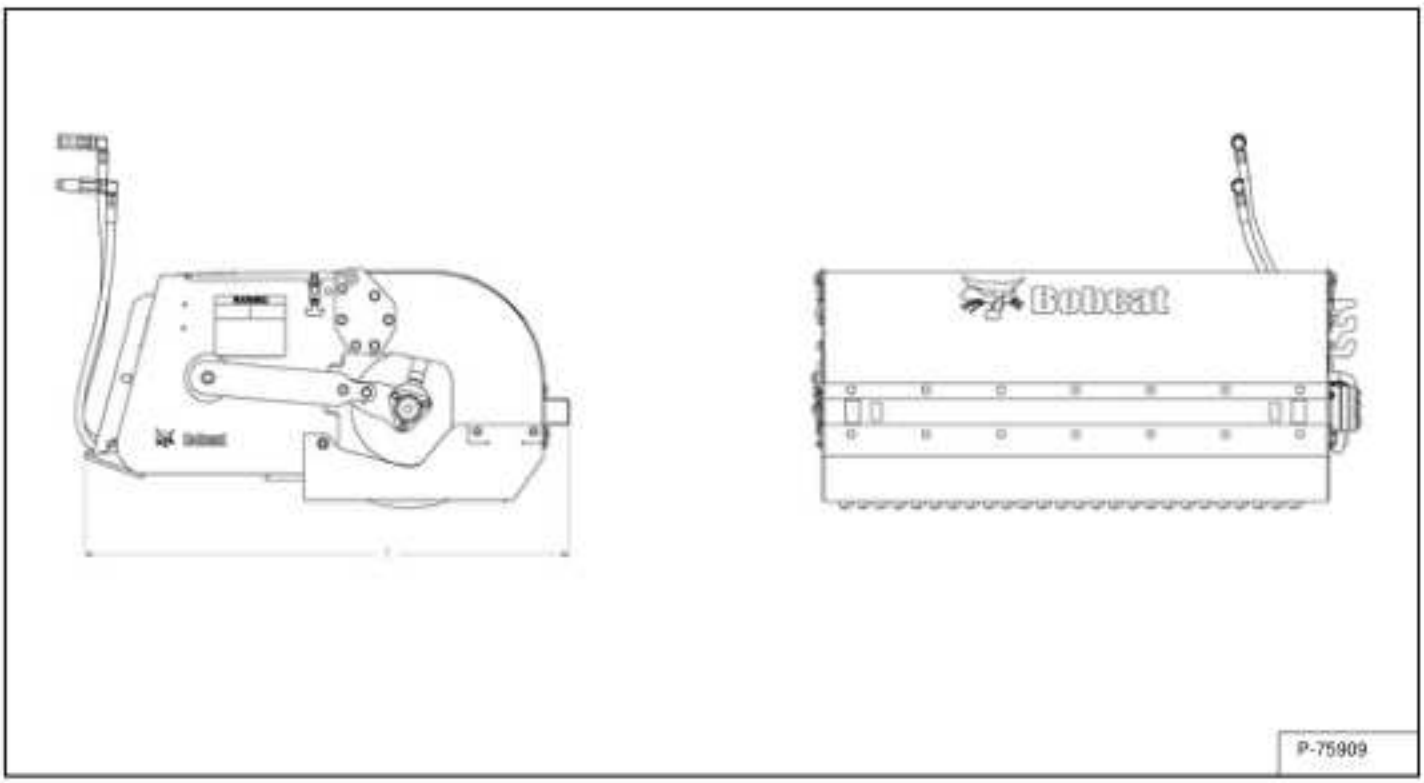
To rotate the broom clockwise, push the paddle switch (Item 2) to the left and press trigger switch (Item 1) **[Figure OI-37]** while continuing to hold the paddle switch. Lower the cutting edge to the surface and move the loader backward. The attachment cutting edge will scrape the surface while the broom sweeps the debris into the bucket.

Press the trigger switch (Item 1) **[Figure OI-37]** a second time to stop broom rotation.

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SWEEPER ATTACHMENT SPECIFICATIONS

- 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	36 INCH SWEEPER	44 INCH SWEEPER	48 INCH SWEEPER	54 INCH SWEEPER
Overall Width (A)	40.29 in. (1023 mm)	48.29 in. (1227 mm)	52.29 in. (1328 mm)	58.29 in. (1481 mm)
Overall Length (B)	50.96 in. (1294 mm)	50.96 in. (1294 mm)	50.96 in. (1294 mm)	50.96 in. (1294 mm)
Overall Height (C)	22.87 in. (581 mm)	22.87 in. (581 mm)	22.87 in. (581 mm)	22.87 in. (581 mm)
Weight	510 lb. (231 kg)	555 lb. (252 kg)	595 lb. (270 kg)	650 lb. (295 kg)
Swept Capacity	4.6 cu.-ft. (.12 cu-m)	5.3 cu.-ft. (.12 cu-m)	5.8 cu.-ft. (.16 cu-m)	6.6 cu.-ft. (.19 cu-m)
Heaped Capacity	5.3 cu.-ft. (.15 cu-m)	6.6 cu.-ft. (.19 cu-m)	7.3 cu.-ft. (.21 cu-m)	8.2 cu.-ft. (.23 cu-m)
Broom Diameter	21.5 in. (546 mm)	21.5 in. (546 mm)	21.5 in. (546 mm)	21.5 in. (546 mm)
Broom RPM @15 GPM (57 L/min.)	185 RPM	185 RPM	185 RPM	185 RPM
Number Of Bristle Sections	17	21	23	26

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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.

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