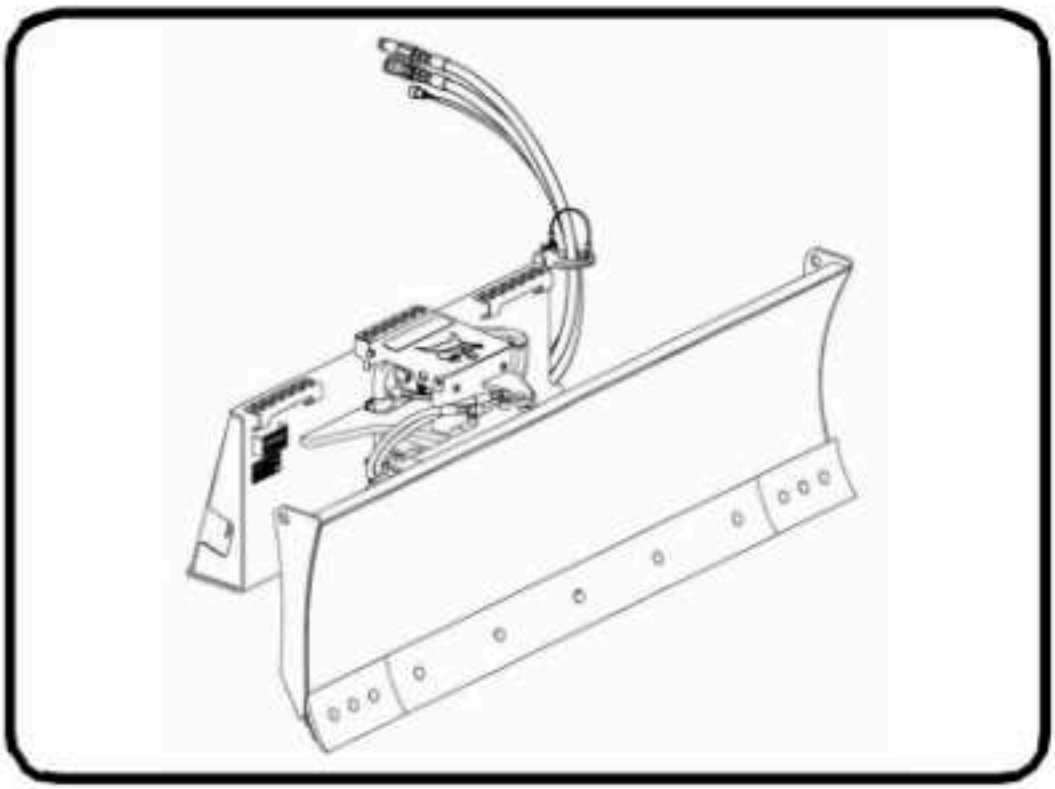
Bobcat®

Operation & Maintenance Manual
Dozer Blade

(Dozer 68) S/N 224300101 & Above
(80 Dozer) S/N 232111101 & Above
(90 Dozer) S/N 231911101 & Above



6900819 (1-11) Revised (3-11) (9)

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REFERENCE INFORMATION

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

Dozer 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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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 UTILITY WORK MACHINES (CONT'D)

Control Functions

NOTE: The auxiliary hydraulics must be activated prior to attachment operation.

Start the engine.

Enter the work machine. (See Entering And Exiting The Work Machine on Page 48.)

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

To Oscillate The Dozer Blade

NOTE: When the dozer blade is oscillated, the right / left side of the moldboard will be raised / lowered.

Figure 102

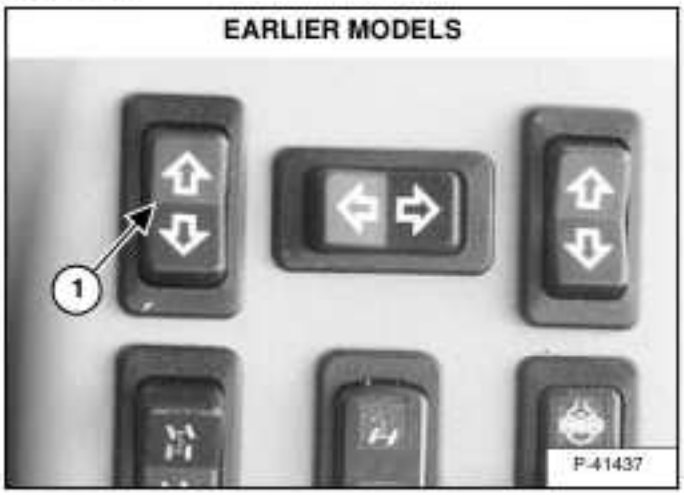
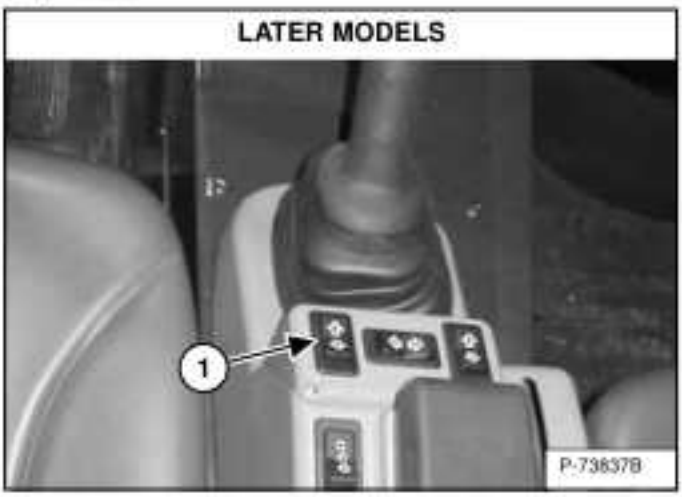


Figure 103



To oscillate the dozer blade counter-clockwise, push the top of the switch (Item 1) **[Figure 102]** or **[Figure 103]**.

To oscillate the dozer blade to the clockwise, push the bottom of the switch (Item 1) **[Figure 102]** or **[Figure 103]**.

To Rotate The Dozer Blade

NOTE: When the dozer blade is rotated, the right / left side of the moldboard will move in / out.

Figure 104

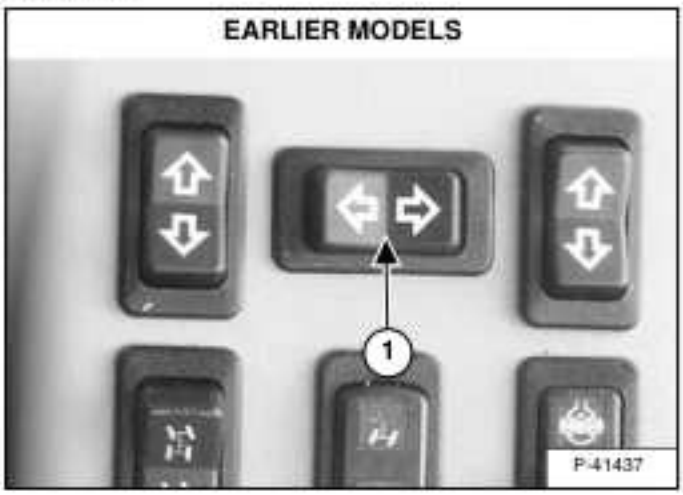
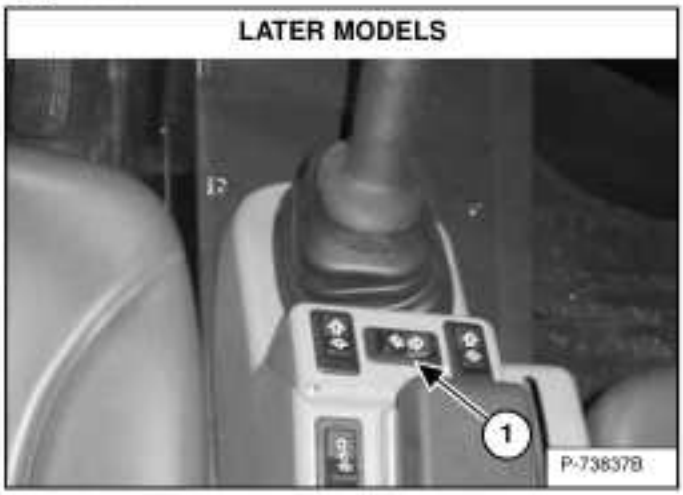


Figure 105



To rotate the dozer blade to the left, push the switch (Item 1) **[Figure 104]** or **[Figure 105]** to the left.

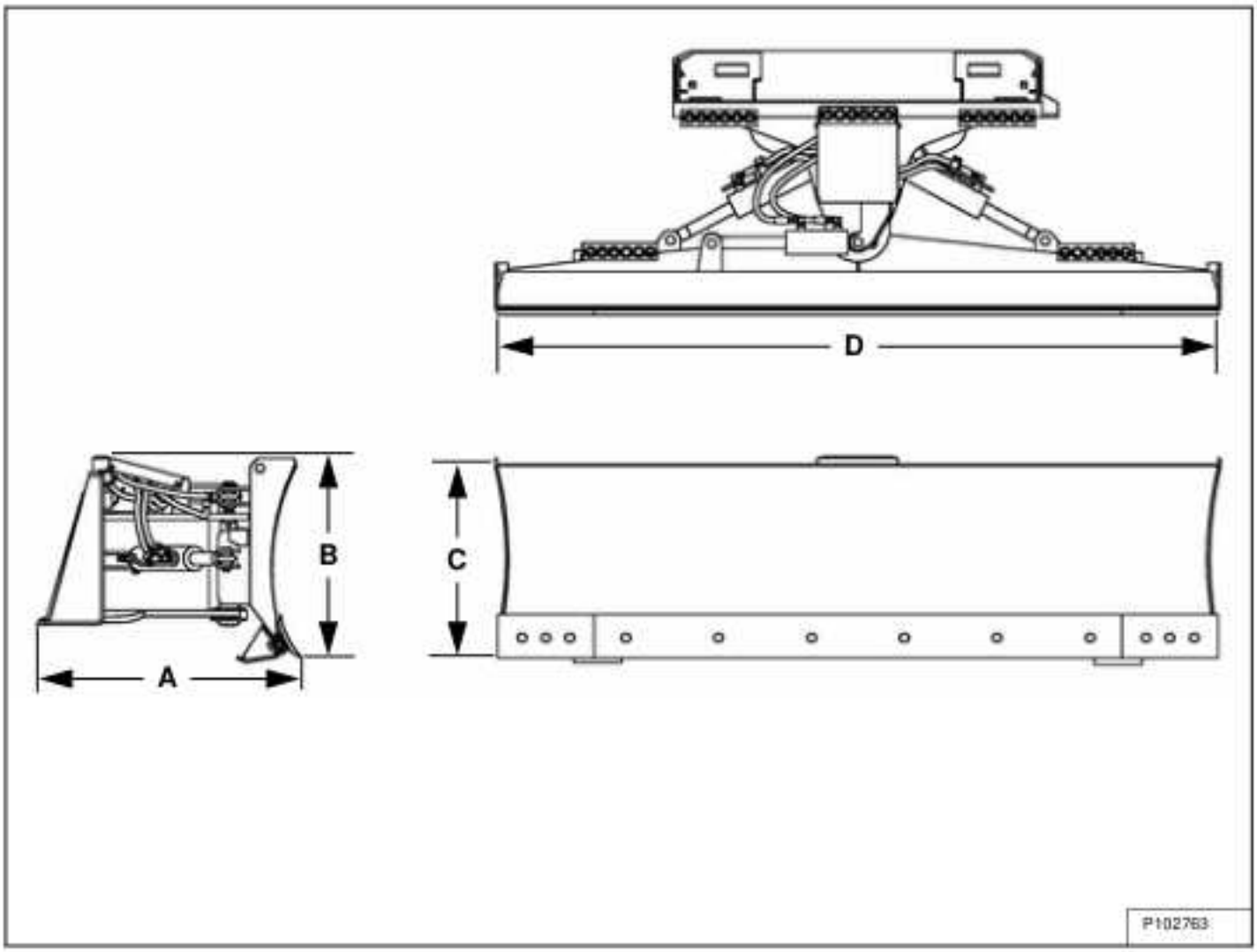
To rotate the dozer blade to the right, push the switch (Item 1) **[Figure 104]** or **[Figure 105]** to the right.

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DOZER BLADE ATTACHMENT 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	DOZER 68	80 DOZER	90 DOZER
Length (A)	783 mm (31.8 in)	783 mm (31.8 in)	837 mm (33.0 in)
Height (B)	701 mm (27.6 in)	701 mm (27.6 in)	639 mm (25.2 in)
Moldboard Height (C)	610 mm (24.0 in)	610 mm (24.0 in)	615 mm (24.2 in)
Total Width (D)	1745 mm (68.7 in)	2050 mm (80.7 in)	2286 mm (90.0 in)
Working Width (Fully Angled)	1496 mm (58.9 in)	1760 mm (69.3 in)	1981 mm (78.0 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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