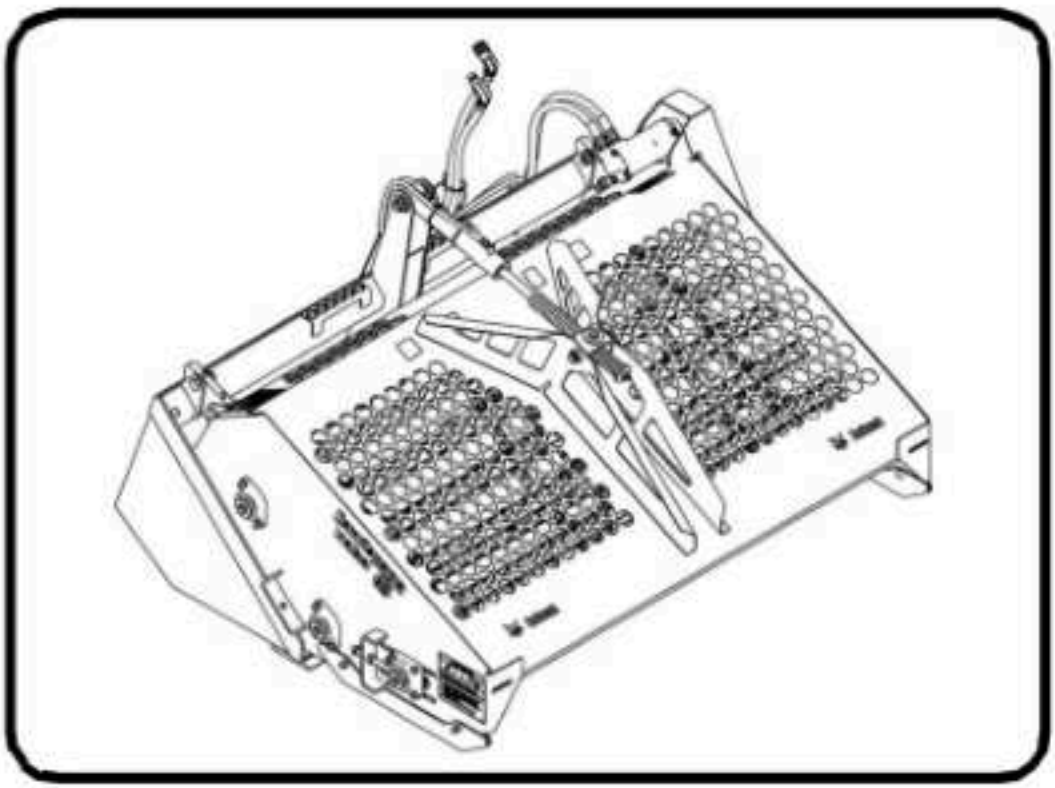
Bobcat®

# Operation & Maintenance Manual
# Landscape Rake

**(LR 5B) S/N 910700101 & Above**
**(5B3) S/N 062700101 & Above**
**(LR 6B) S/N 063000101 & Above**
**(6B3) S/N 062500101 & Above**



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**REFERENCE INFORMATION**

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

Landscape Rake 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 landscape rake. READ AND UNDERSTAND THIS OPERATION & MAINTENANCE MANUAL BEFORE OPERATING YOUR BOBCAT LANDSCAPE RAKE. If you have any questions, see your Bobcat dealer.


BOBCAT COMPANY IS ISO 9001 CERTIFIED . . . . . 5

SERIAL NUMBER LOCATION . . . . . 7
Attachment Serial Number . . . . . 7

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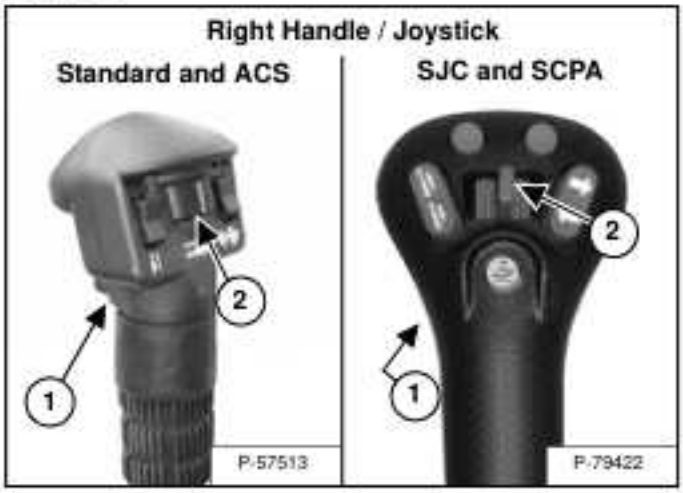


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## Control Functions (Cont'd)

*Electrical Control Handle*

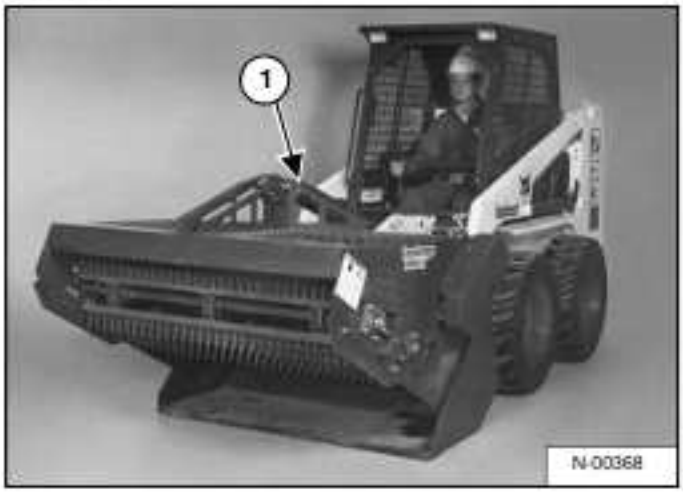
**Figure 49**




To start landscape rake rotation, press the switch (Item 1) **[Figure 49]**.

To stop landscape rake rotation, press the switch (Item 1) **[Figure 49]** a second time.

**Figure 50**




To retract the landscape rake cylinder (Item 1) **[Figure 50]**, move the switch (Item 2) **[Figure 49]** to the left. Hold the switch in this position until the rake is opened the desired amount.

To extend the landscape rake cylinder (Item 1) **[Figure 50]**, move the switch (Item 2) **[Figure 49]** to the right, until the bucket is completely closed. As the rake closes, the rake chain will rotate.

**NOTE: When installing the landscape rake on a loader equipped with high flow auxiliary hydraulics the loader auxiliary hydraulics must be operated in standard flow. High flow operation will cause damage to the landscape rake.**

**IMPORTANT**

**If high-flow switch is in the ON position, High-Flow Hydraulics will flow through the front auxiliary quick coupler. Damage to unapproved attachments can result.**

I-2237-0505



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## LUBRICATING THE ATTACHMENT

### Lubrication Locations

*B Series*

**Figure 143**

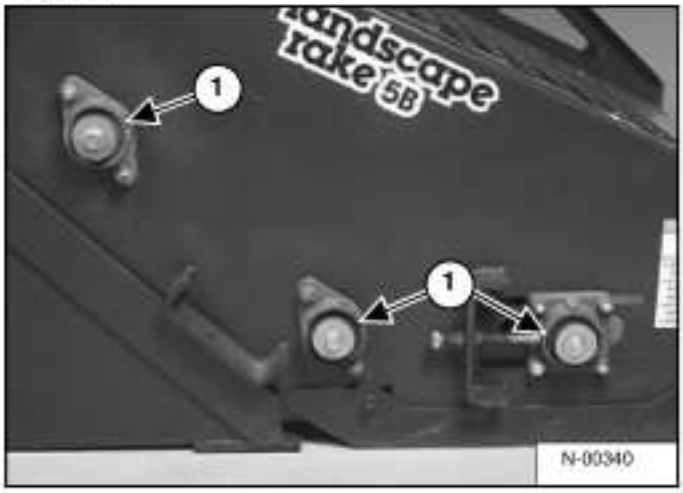
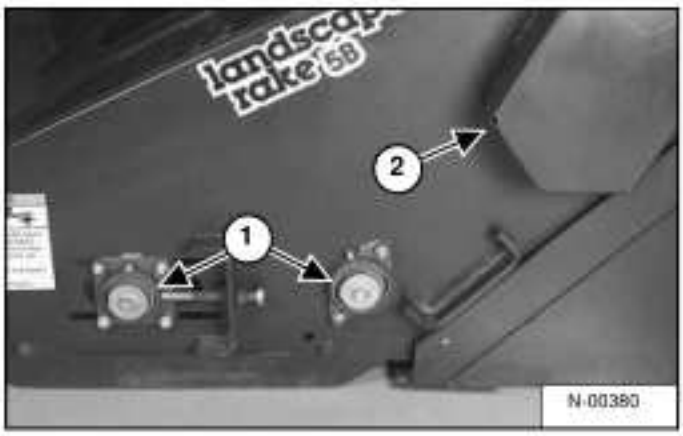


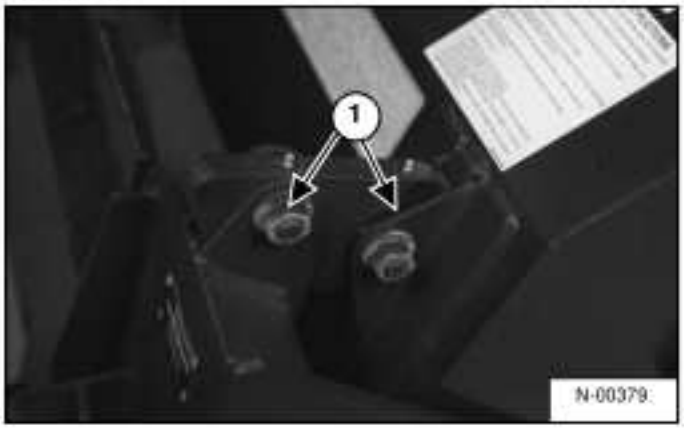

**Figure 144**




Lubricate the grease fittings on the rake chain mounting bearings (Item 1) **[Figure 143]** and **[Figure 144]** every eight hours.

**NOTE: The grease fitting on the drive sprocket bearing is located under the drive motor shield (Item 2) [Figure 144].**

**Figure 145**




Lubricate the grease fittings (Item 1) **[Figure 145]** on the rake hinges.

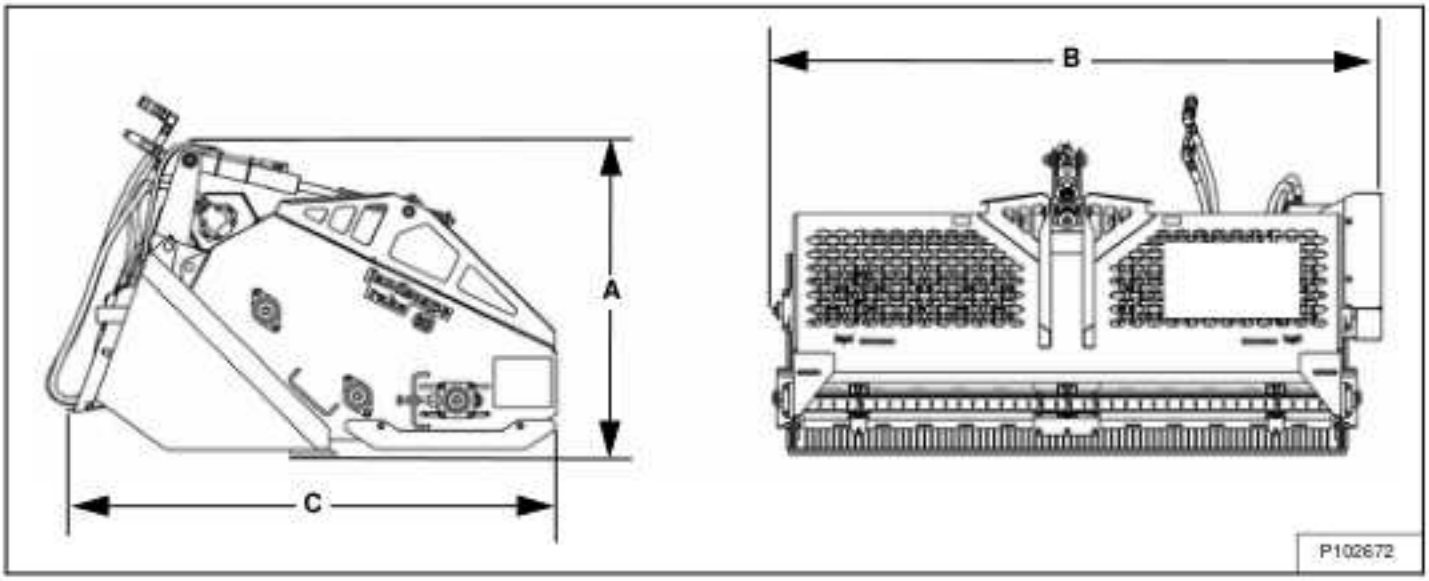


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## (LR 5B, 5B3, LR 6B, 6B3) LANDSCAPE RAKE SPECIFICATIONS

### Dimensions

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




| | LR5B | 5B3 | LR6B | 6B3 |
|---|---|---|---|---|
| Height (A) | 1027 mm (40.4 in) | 1027 mm (40.4 in) | 1027 mm (40.4 in) | 1027 mm (40.4 in) |
| Width (B) | 1693 mm (66.6 in) | 1693 mm (66.6 in) | 1997 mm (78.6 in) | 1997 mm (78.6 in) |
| Length (C) | 1607 mm (63.2 in) | 1607 mm (63.2 in) | 1607 mm (63.2 in) | 1607 mm (63.2 in) |

### Performance

| | LR5B | 5B3 | LR6B | 6B3 |
|---|---|---|---|---|
| Total Weight | 503 kg (1109 lb) | 503 kg (1109 lb) | 561 kg (1237 lb) | 561 kg (1237 lb) |
| Bucket Capacity | 0.34 $m^3$ (12.1 $ft^3$) | 0,34 $m^3$ (12.1 $ft^3$) | 0,40 $m^3$ (14.3 $ft^3$) | 0,40 $m^3$ (14.3 $ft^3$) |
| Rake Bars | Rectangular steel tubing of 50,8 x 25,4 x 3,175 mm wall (2 x 1 x 0.125 in wall) | | | |
| No. of Rake Teeth | 384 | | 456 | |
| Rake Chain | 2060H Roller Chain | | | |
| Drive Chain | #80H Roller Chain | | | |
| Bearings | Sealed | | | |
| | Rake Tooth | | | |
| Thickness | 4,8 mm (0.1875 in) | | | |
| Length | 76 mm (3 in) | | | |

### Hydraulic System

| | LR5B | 5B3 | LR6B | 6B3 |
|---|---|---|---|---|
| Hydraulic Motor Displacement | 394 $m^3$ (24 $in^3$) | | | |
| Relief Valve Setting | 6205 kPa (bar 62,0) (900 psi) | | | |



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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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