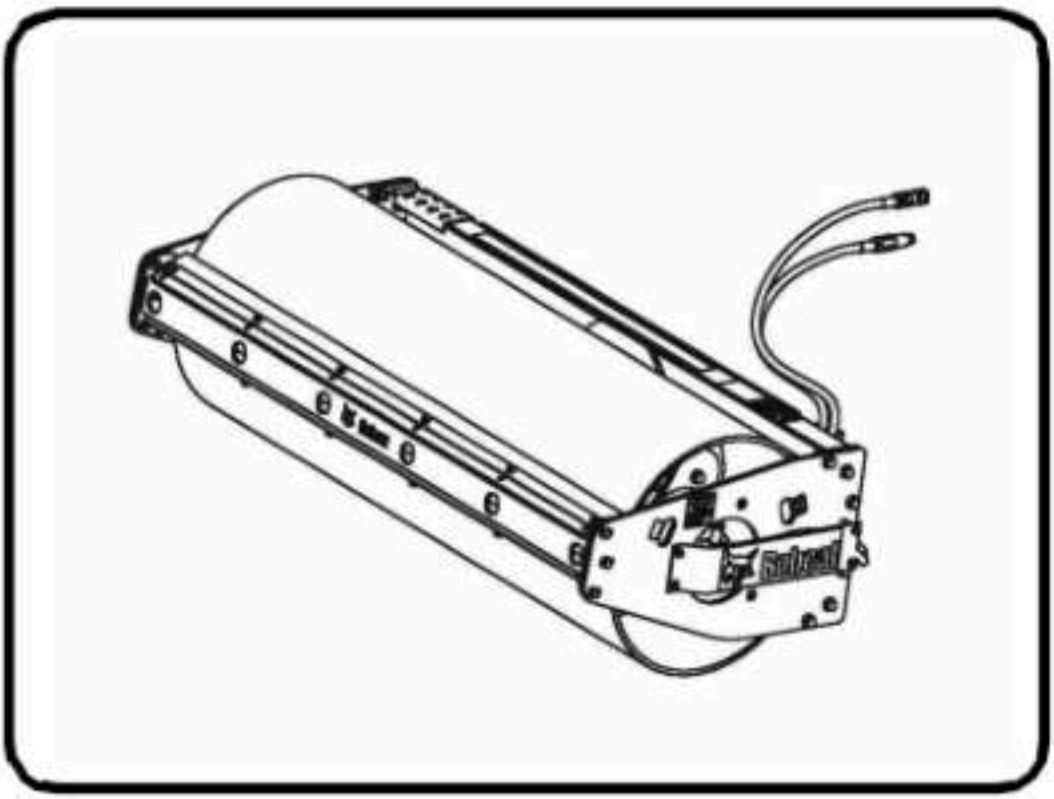
Bobcat®

Operation & Maintenance Manual
Vibratory Roller

(Roller 48 Padded) S/N AFLJ00101 & Above
(Roller 48 Smooth) S/N AFLK00101 & Above
(Roller 73 Padded) S/N AFLD00101 & Above
(Roller 73 Smooth) S/N AFLE00101 & Above
(Roller 80 Smooth) S/N AFLC00101 & Above



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CONTENTS

FOREWORD 3

SAFETY & TRAINING RESOURCES 11

OPERATING INSTRUCTIONS 21

PREVENTIVE MAINTENANCE 43

MACHINE SIGN TRANSLATIONS 55

SPECIFICATIONS 61

WARRANTY 73

INSTALLATION INSTRUCTIONS 77

ALPHABETICAL INDEX 87

REFERENCE INFORMATION

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

Vibratory Roller 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 vibratory roller. READ AND UNDERSTAND THIS OPERATION & MAINTENANCE MANUAL BEFORE OPERATING YOUR BOBCAT VIBRATORY ROLLER. If you have any questions, see your Bobcat dealer.This manual may illustrate options and accessories not installed on your Bobcat vibratory roller.

BOBCAT COMPANY IS IS0 9001 CERTIFIED 5

SERIAL NUMBER LOCATION 6
Attachment Serial Number 6

DELIVERY REPORT 6

ATTACHMENT IDENTIFICATION 7

FEATURES AND ACCESSORIES 9
Standard Items 9
Options And Accessories 9

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OPERATING PROCEDURE WITH LOADERS (CONT'D)

Control Functions

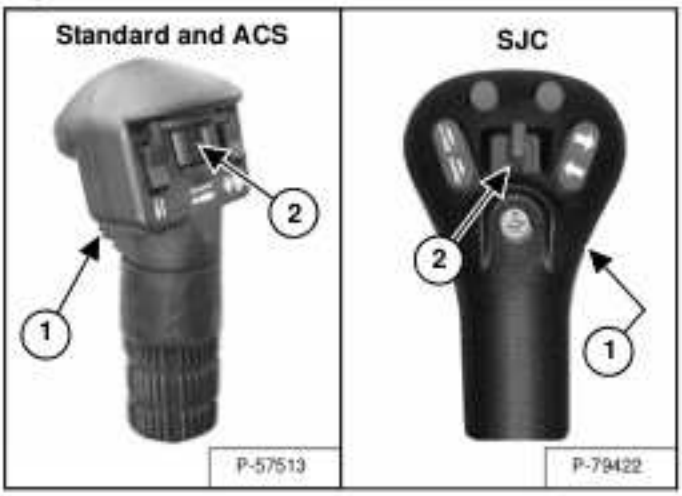
With the operator in the operator's seat of the loader, the seat belt fastened and the seat bar lowered, start the engine.

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

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

NOTE: Always start and stop the vibrating action at a low RPM.

Figure 33



To activate vibration and rotation of the roller, press the front switch (Item 1) **[Figure 33]** on the right handle.

To de-activate vibration and rotation, press the switch (Item 1) **[Figure 33]** on the right handle a second time.

To activate vibration and rotation in the opposite direction, press and hold the switch (Item 2) **[Figure 33]** to the left.

To de-activate vibration and rotation, release the switch (Item 2) **[Figure 33]** on the right handle.

NOTE: The loader should move in the same direction that the vibratory roller rotates for best results.

Continuous (Detent) Reverse Direction Operation - Later Models Only

To activate vibration and rotation continuously in the opposite direction, press the switch (Item 2) to the left and press the switch (Item 1) **[Figure 33]**.

To de-activate vibration and rotation, press the switch (Item 1) **[Figure 33]** a second time.

For vibratory rollers equipped with the optional water kit, the auxiliary toggle switch is used for activating the water kit.

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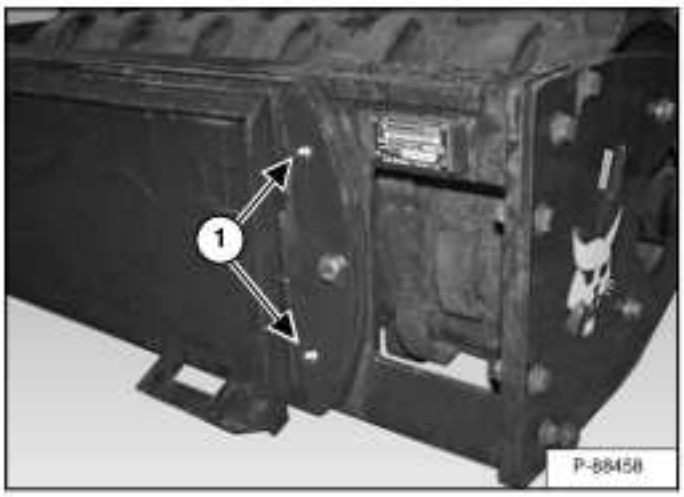
LUBRICATING THE ATTACHMENT

Lubrication Locations

Roller 48 Padded And Roller 48 Smooth Models

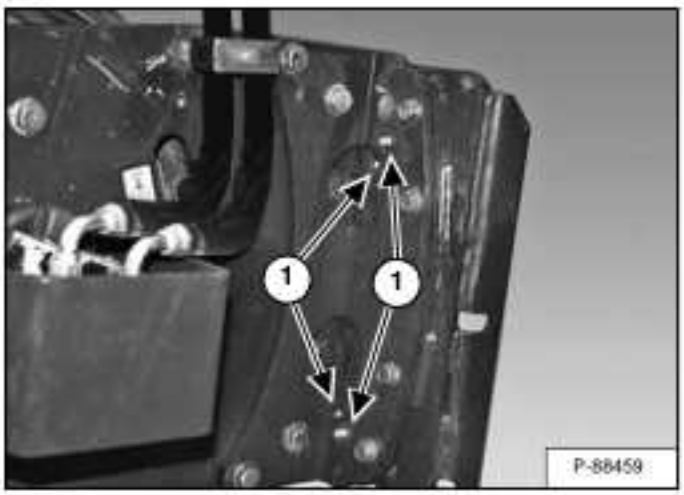
For lubrication intervals. (See SERVICE SCHEDULE on Page 46.)

Figure 59



Apply lubricant to the grease fittings (Item 1) **[Figure 59]** until it shows.

Figure 60



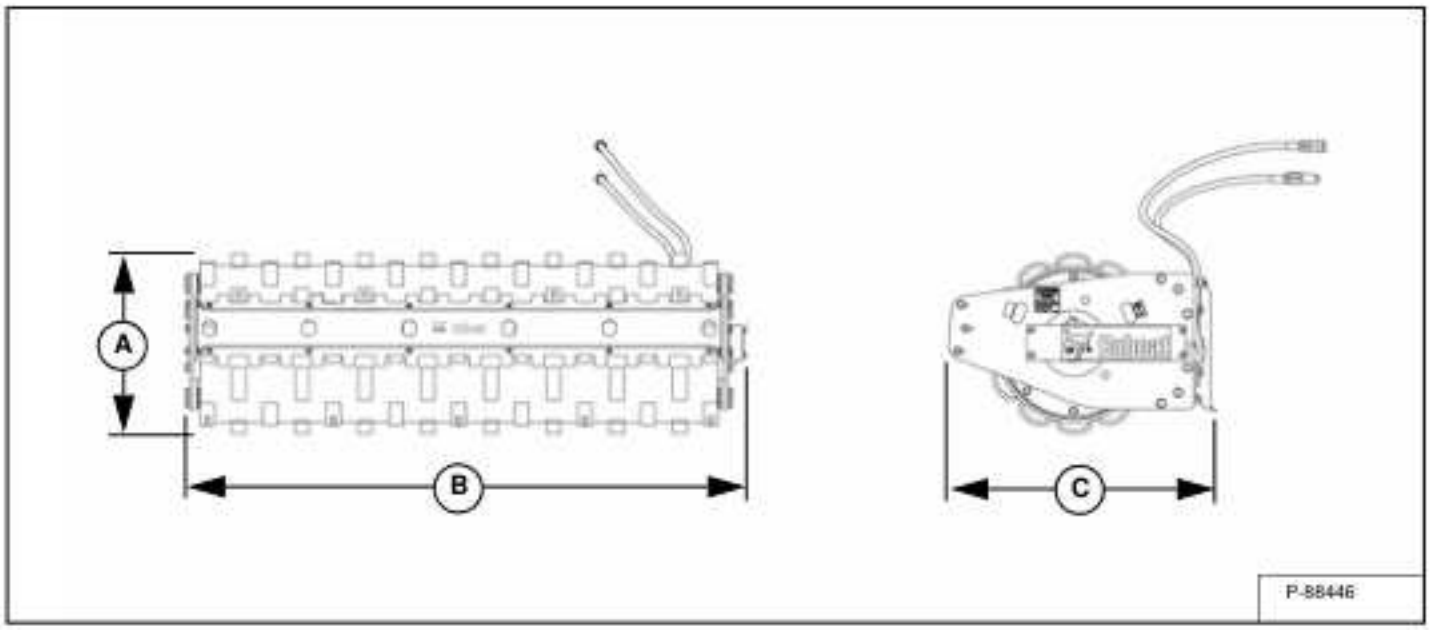
Apply lubricant to the grease fittings (Item 1) **[Figure 60]** until it shows.

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(ROLLER 73 SMOOTH) 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



Height (A)	660 mm (26 in)
Width (B)	2006 mm (79 in)
Length (C)	963 mm (37.9 in)

Performance

Drum Diameter	660 mm (26 in)
Operating Weight	1002 kg (2208 lb)
Operating Weight With Smooth Shells	N/A
Number of Pads	0
Drum Oscillation	+/- 7.5°
Dynamic Force	3246 kg (7156 lb) @ 64,35 L/min (17 U.S. gpm)
	4493 kg (9905 lb) @ 75,71 L/min (20 U.S. gpm)
	6470 kg (14263 lb) @ 90,85 L/min (24 U.S. gpm)
Frequency	2041 vpm @ 64,35 L/min (17 U.S. gpm)
	2401 vpm @ 75,71 L/min (20 U.S. gpm)
	2882 vpm @ 90,85 L/min (24 U.S. gpm)

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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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