Vibratory Roller

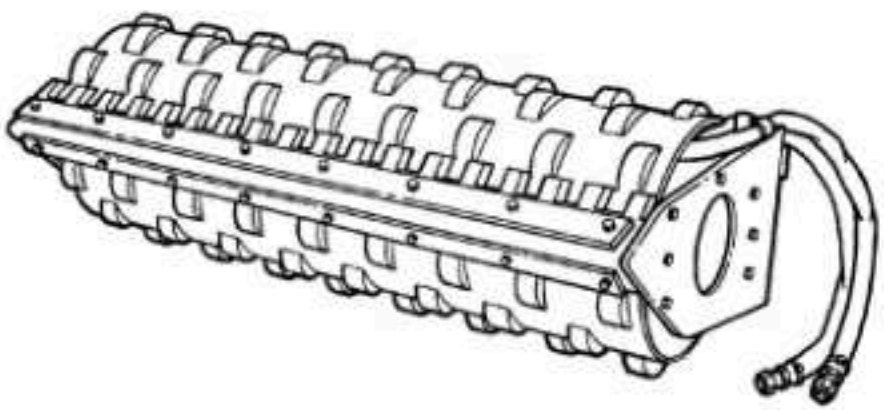
48 Inch

72 Inch

Bobcat®

Operation & Maintenance Manual

(48 Inch) S/N 802900101 & Above
(48 Inch) S/N 803400101 & Above
(48 Inch) S/N 054800101 & Above
(48 Inch) S/N 063100101 & Above
(72 Inch) S/N 054900101 & Above
(72 Inch) S/N 063200101 & Above



Ingersoll Rand
Compact Vehicle Technologies

6570634 (6-00) Revised (11-06) (3)

Printed in U.S.A.

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PREVENTIVE MAINTENANCE PM-1

SPECIFICATIONS SPEC-1

REFERENCE INFORMATION

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

Vibratory Roller Serial Number _____

_____

_____

_____

NOTES:

_____

_____

_____

_____

_____

_____

YOUR BOBCAT® DEALER:

ADDRESS:

_____

PHONE:

_____

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

Bobcat Company Europe
Dréve 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 Vibratory Roller. READ AND UNDERSTAND THIS OPERATION & MAINTENANCE MANUAL BEFORE OPERATING YOUR Vibratory Roller. If you have any questions, see your Bobcat dealer.

ATTACHMENT DELIVERY REPORT VII

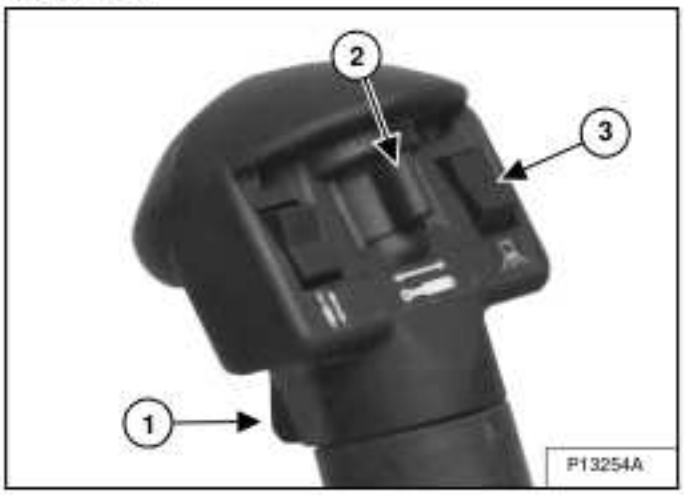
IDENTIFICATION AND MACHINE SIGNS (DECALS) VIII

SERIAL NUMBER LOCATION VII

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Operating The Vibratory Roller

Figure OI-32



Activate the front auxiliary hydraulic. (See Auxiliary Hydraulics on Page OI-14.)

To vibrate and rotate the roller, press the front switch (Item 1) **[Figure OI-32]** on the right handle.

To stop vibration and rotation, press the switch (Item 1) **[Figure OI-32]** on the right handle a second time.

To vibrate and rotate in the opposite direction, press the switch (Item 2) **[Figure OI-32]** to the left and hold in this position.

To stop vibration and rotation, release the switch (Item 2) **[Figure OI-32]** on the right handle.

NOTE: The loader should move in the same direction that the vibration roller rotates for best results. If rotation of the drum is opposite of what is desired, switch the male and female couplers on the hoses on the attachment.

For G Series Loaders Only;

To vibrate and rotate continuously in the opposite direction, press the switch (Item 2) to the left and press the switch (Item 1) **[Figure OI-32]**.

To stop vibration and rotation, press the switch (Item 1) **[Figure OI-32]** a second time.

For vibratory rollers equipped with the optional water kit, the deluxe handle switch (Item 3) **[Figure OI-32]** is used for activating the water kit.

Raise the vibratory roller above the work surface when turning the loader.

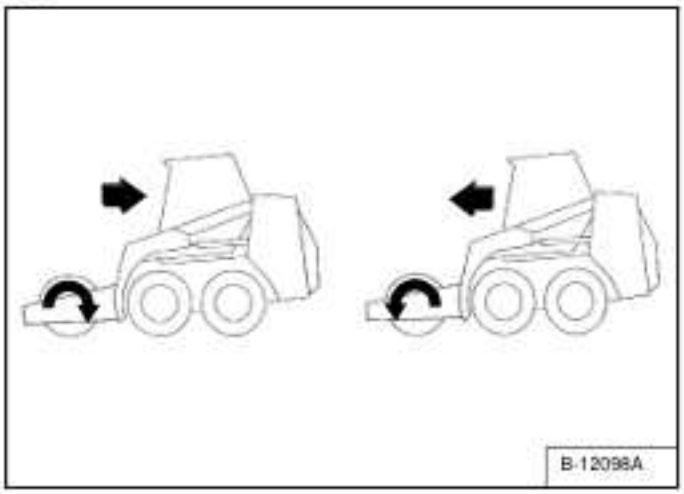
DO NOT run the vibratory roller motor while standing still, while vibratory roller is raised above work surface, or on already compacted or hard surfaces.

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

At low engine RPM, engage the auxiliary hydraulics. (See Auxiliary Hydraulics on Page OI-14.)

Put the lift arms in the *FLOAT* position.

Figure OI-33



For best results, drive the loader in the direction of drum rotation **[Figure OI-33]**.

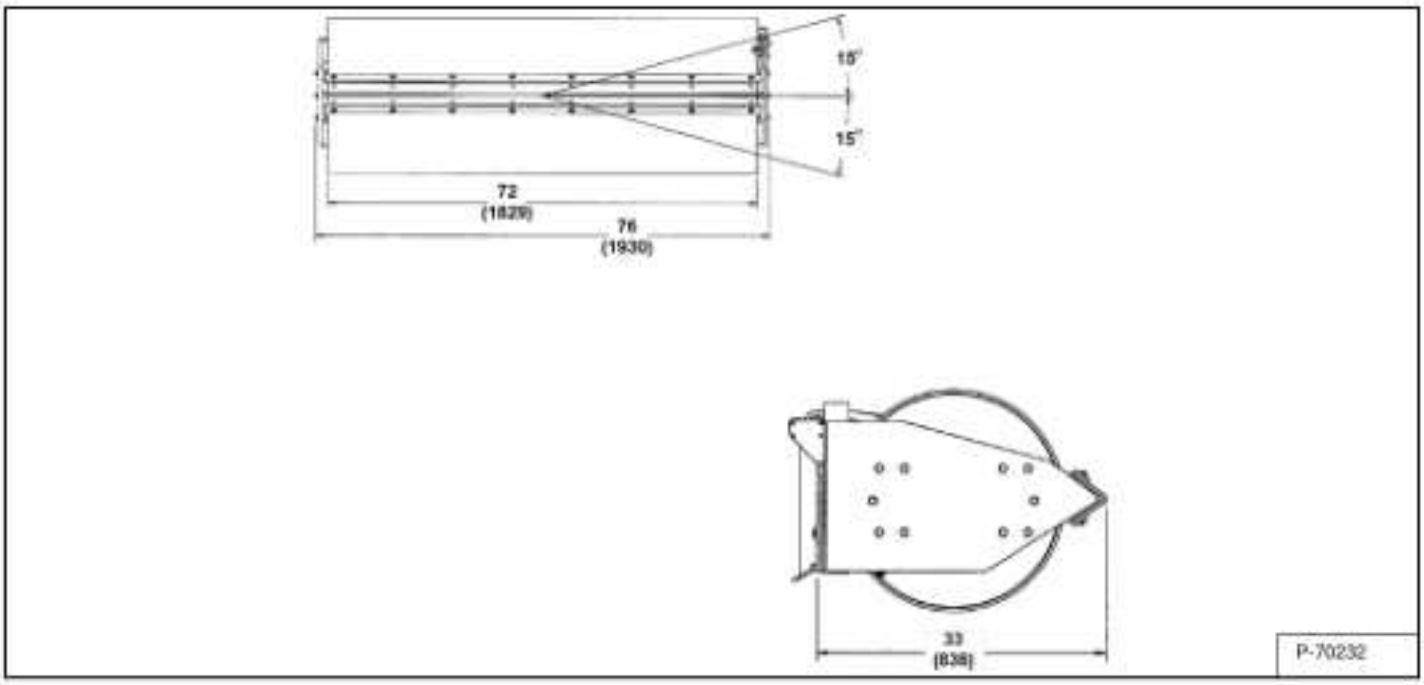
Determine drum rotation by setting the drum on work surface and engage auxiliary hydraulics. The drum will vibrate and rotate in one direction.

Keep the scraper/cleaner bar adjusted as close to the drum as possible.

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SPECIFICATIONS (CONT'D)

- 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	72 in. (Padded)	72 in. (Smooth)
Operating Weight	1934 lb. (877,2 kg)	1902 lb. (862.7 kg)
Drum Width	72 in. (1829 mm)	72 in. (1829 mm)
Width (Over tires)	76 in. (1930,4 mm)	76 in. (1930,4 mm)
Drum Offset (To the right)	3 in. (76,2 mm)	3 in. (76,2 mm)
Covers Right Side Tires On	78 in. wide loaders	78 in. wide loaders
Drum Diameter	25.4 in. (645 mm)	26 in. (660 mm)
Number of Pads	102	102
Drum Oscillation	+/- 15 degrees	+/- 15 degrees
Dynamic Force	4600 lb. @ 18 GPM	4600 lb. @ 18 GPM
	9857 lb. @ 26 GPM	9857 lb. @ 26 GPM
Frequency	2350 vpm @ 18 GPM	2350 vpm @ 18 GPM
	3391 vpm @ 26 GPM	3391 vpm @ 26 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 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.

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 *USE SAFETY RULES* Section of this manual.
- Wear tight fitting clothing. Always wear safety glasses when doing maintenance or service. Safety glasses, 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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