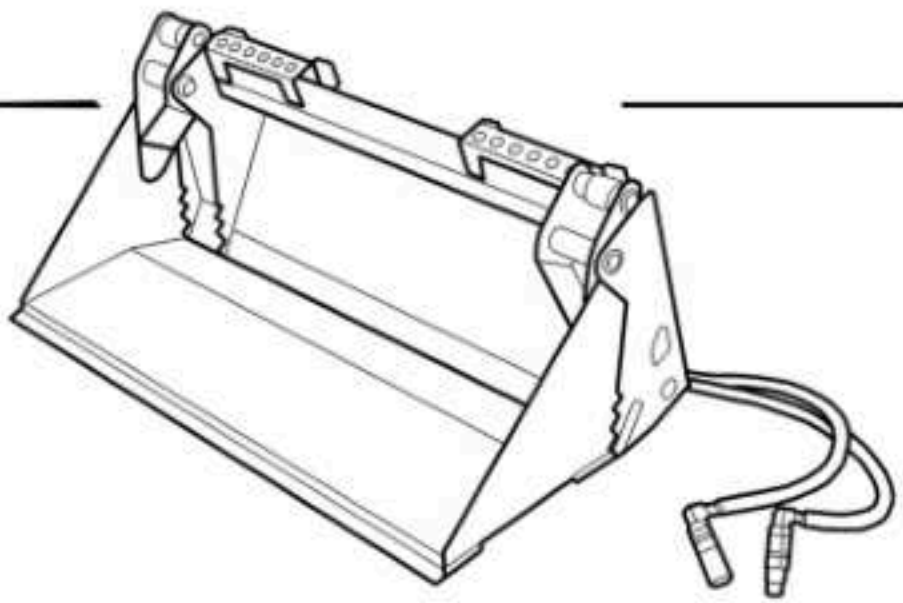
COMBINATION BUCKET

44 inch

Bobcat®

Operation & Maintenance Manual

S/N 030000101 & Above



An Ingersoll-Rand business

Printed in U.S.A.

6902572 (4-04)

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REFERENCE INFORMATION

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

Combination Bucket Serial Number _____

_____

_____

NOTES:

_____

_____

YOUR BOBCAT® DEALER:

_____

ADDRESS:

_____

PHONE:

_____

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

Bobcat Company Europe
J. Huysmanslaan 59
B-1651 LOT
BELGIUM

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OPERATING THE COMBINATION BUCKET ON MT50 AND MT52 MINI LOADERS

⚠ WARNING

AVOID INJURY OR DEATH

When operating the machine:

- **Operate only from the operator's position at the rear of the loader.**
- **Always keep your hands on the controls.**
- **Stay away from the tracks.**

W-2407-0801

⚠ WARNING

AVOID INJURY OR DEATH

When using the ride-on platform:

- **Operate only with feet on platform and hands on controls or grab handles.**
- **Always look in the direction of travel.**
- **Make sure swing area is clear of bystanders and objects.**
- **Avoid drop-offs and obstacles.**

W-2480-1003

⚠ WARNING

AVOID INJURY OR DEATH

- **Keep all bystanders 10 feet (3 m) away from equipment when operating.**
- **Do Not Operate with damaged or missing shields or parts.**
- **Stop the engine before cleaning or servicing.**
- **Contact with moving parts can cause injury or death.**

W-2491-0204

Mini Loader Control

With the operator in the proper position at the rear of the mini loader, start the engine.

Figure OI-32

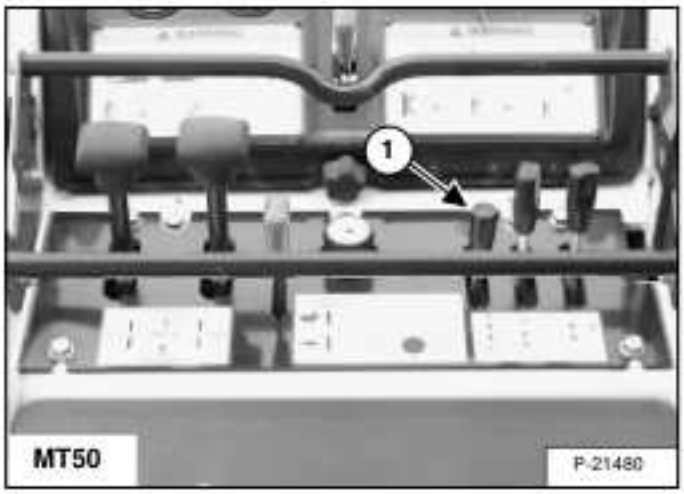
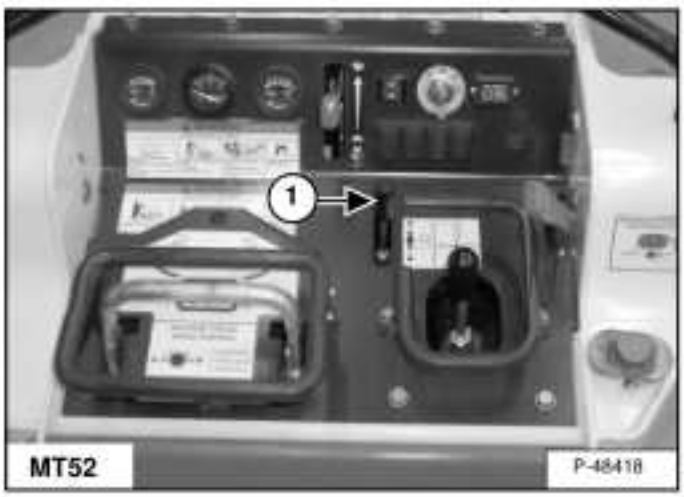


Figure OI-33



To open the bucket, pull back on lever (Item 1) **[Figure OI-32]**, MT50 models or (Item 1) **[Figure OI-33]** MT52 models.

To close the bucket, push forward on lever (Item 1) **[Figure OI-32]**, MT50 models or (Item 1) **[Figure OI-33]** MT52 models.

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TROUBLESHOOTING

⚠ WARNING

Instructions are necessary before operating or servicing machine. Read and understand the Operation & Maintenance Manual, Operator's Handbook and signs (decals) on machine. Follow warnings and instructions in the manuals when making repairs, adjustments or servicing. Check for correct function after adjustments, repairs or service. Untrained operators and failure to follow instructions can cause injury or death.

W-2003-0903

If the combination bucket is not working correctly, check the hydraulic system of the Bobcat 463 Loader or Mini Loader thoroughly before making any repairs on the combination bucket. Combination bucket problems can be affected by a hydraulic system that is not operating to specifications or such problems as a plugged fuel filter or hydraulic filter in the loader or mini loader. Connect a flow meter to the loader to check the hydraulic pump output, relief valve setting and tubelines to check flow and pressure. (See the Loader or Mini Loader Service manual for the correct procedure to connect the flow meter.)

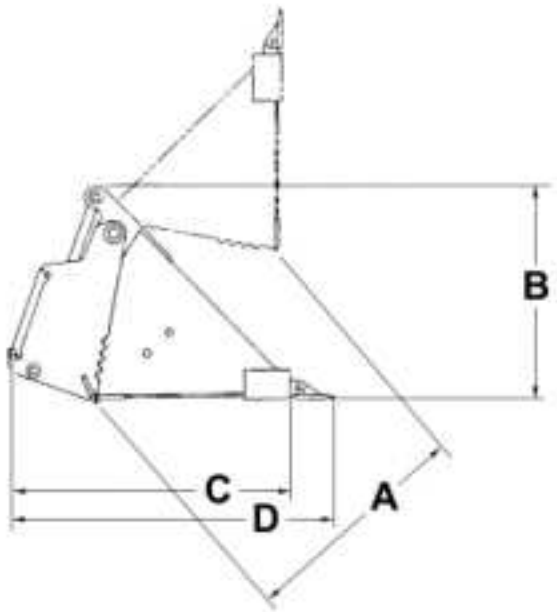
TROUBLESHOOTING THE COMBINATION BUCKET

PROBLEM	CAUSE	CORRECTION
Combination Bucket does not mount properly on the Bob-Tach.	Bob-tach wedges are not fully retracted.	Retract Bob-Tach wedges.
	Mud, dirt or stones are lodged between the Bob-Tach and the Combination Bucket mount.	Remove debris between Bob-Tach and Combination Bucket mount.
Combination Bucket does not open or close.	No hydraulic flow.	Activate loader front auxiliary hydraulics.
		Check quick couplers connection. Check for damaged hose ends and fittings.

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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.



B-23146

44 INCH			
A	21.47 (545)	C	27.83 (707)
B	20.78 (528)	D	30.58 (777)

COMBINATION BUCKET	
Width	44.5 Inches (1130 mm)
Capacity - Heaped	5.83 ft^3 (.165 m^3)
Weight (w/teeth)	310 lbs. (141 kg)
Weight (w/o teeth)	294 lbs. (133 kg)
Number of Teeth	7
Cylinders	2
Bore	2.0 (50.8)
Rod	1.0 (25.4)
Stroke	5.0 (127)

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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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