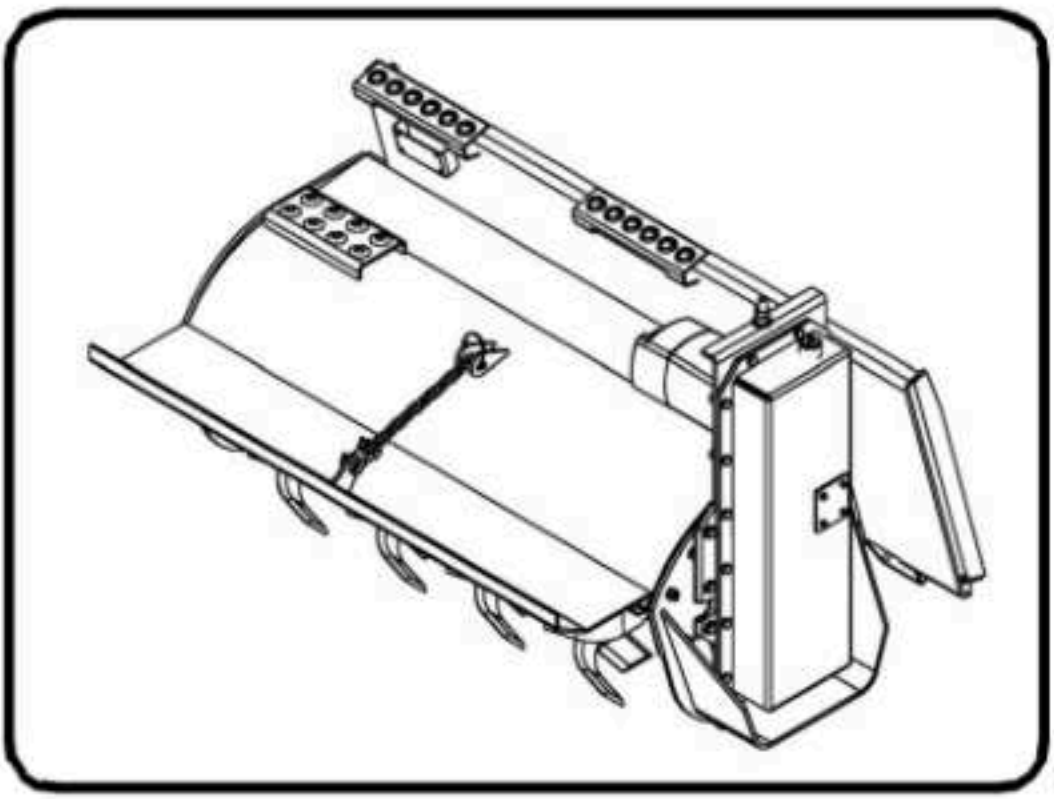
Bobcat®

Operation & Maintenance Manual
38 Inch Tiller

(38 Tiller) S/N 614400101 & Above



6901227 (4-08) Revised (5-10) (5)

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REFERENCE INFORMATION

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

Tiller 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 tiller. READ AND UNDERSTAND THIS OPERATION & MAINTENANCE MANUAL BEFORE OPERATING YOUR BOBCAT TILLER. If you have any questions, see your Bobcat dealer. This manual may illustrate options and accessories not installed on your tiller.

BOBCAT COMPANY IS ISO 9001 CERTIFIED 5

SERIAL NUMBER LOCATION 6
Attachment Serial Number 6

DELIVERY REPORT 6

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Standard Items 8

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Control Functions

⚠ WARNING

AVOID INJURY OR DEATH

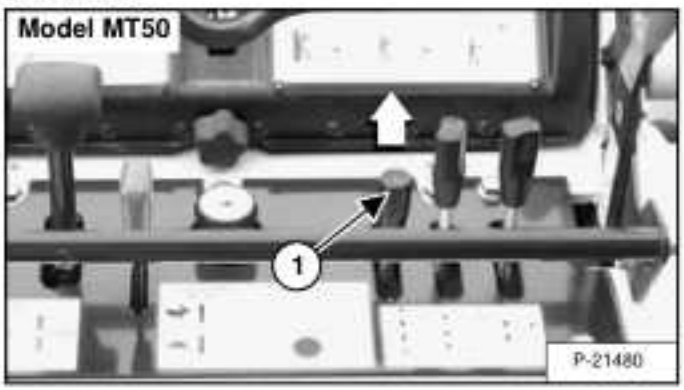
When operating the machine:

- **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

With the operator at the operator's position at the rear of the mini loader, start the engine.

Figure 52



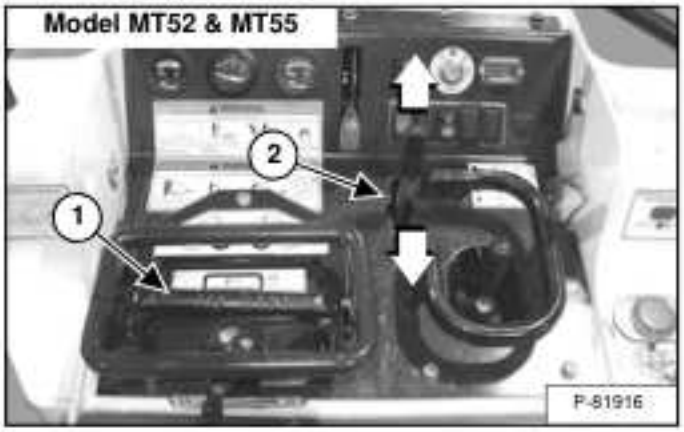
Push the Auxiliary Hydraulic Control Lever (Item 1) **[Figure 52]** all the way forward until it locks (detent position) for clockwise rotation.

Pull the Auxiliary Hydraulic Control Lever (Item 1) **[Figure 52]** back until it locks (detent position) for counterclockwise rotation.

Return the Auxiliary Hydraulic Control Lever (Item 1) **[Figure 52]** to the center position to stop rotation.

NOTE: Clockwise and counterclockwise viewed from the right side of the attachment.

Figure 53



While holding the Continuous Flow Shutoff Lever (Item 1) down, push the Auxiliary Hydraulic Control Lever (Item 2) **[Figure 53]** all the way forward until it locks (detent position) for counterclockwise rotation.

While holding the Continuous Flow Shutoff Lever (Item 1) down, push the Auxiliary Hydraulic Control Lever (Item 2) **[Figure 53]** all the way backward until it locks (detent position) for clockwise rotation.

If the Continuous Flow Shutoff Lever (Item 1) is released while in continuous flow, the Auxiliary Hydraulic Control Lever (Item 2) **[Figure 53]** will return to neutral after one to three seconds and auxiliary hydraulic oil flow will stop.

To resume the continuous flow operation, make sure the Auxiliary Hydraulic Control Lever (Item 1) is in neutral and press down on the Continuous Flow Shutoff Lever. Move the Auxiliary Hydraulic Control Lever (Item 2) **[Figure 53]** all the way forward or backward until it locks (detent position) for forward or reverse rotation.

NOTE: The Continuous Flow Shutoff Lever (Item 1) must be in the UP position and the Auxiliary Hydraulic Control Lever (Item 2) [Figure 53] must be in NEUTRAL to start the engine.

NOTE: The Continuous Flow Shutoff Lever (Item 1) [Figure 53] must return to the UP position when released.

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REGULAR MAINTENANCE ITEMS

300 Hour Inspection

⚠ WARNING

AVOID INJURY OR DEATH

- **Keep bystanders away.**
- **No riders.**
- **Stop engine before servicing.**
- **Keep hands and feet away from moving parts.**

W-2702-1207

Put the tiller on the ground so the chaincase cover is level with the ground.

Figure 62

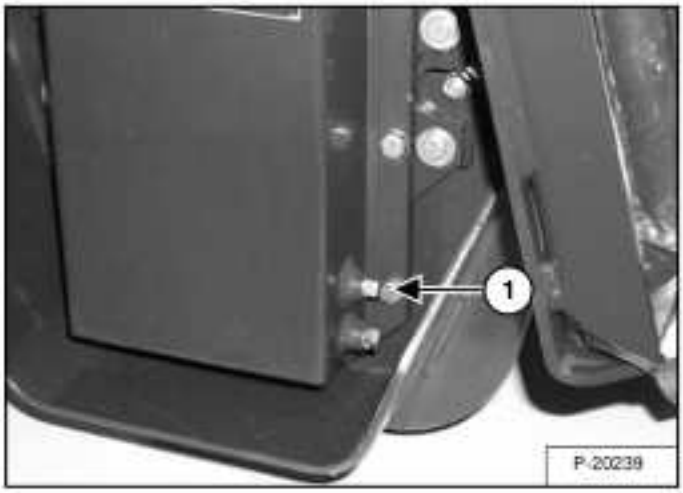
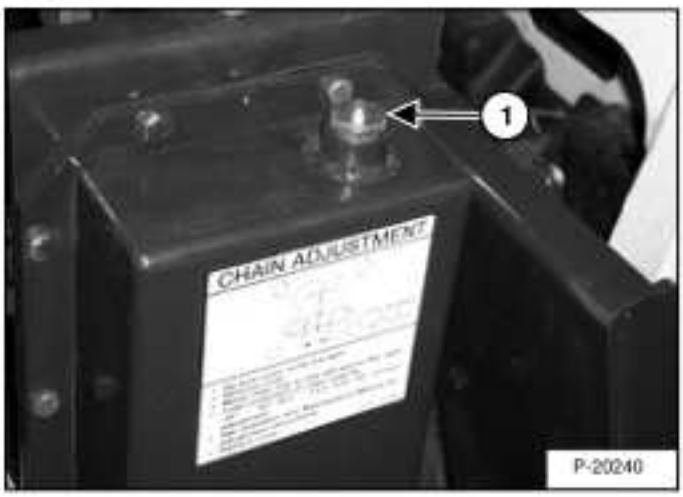


Figure 63



Remove the check plug (Item 1) **[Figure 62]** to check gear lube level. If the gear lube does not come out the check plug hole, remove the breather (Item 1) **[Figure 63]** and add 90W gear lube until it comes out the check plug hole.

Install and tighten the check plug and breather.

Adjusting The Drive Chain

⚠ WARNING

AVOID INJURY OR DEATH

Wear safety glasses to prevent eye injury when any of the following conditions exist:

- **When fluids are under pressure.**
- **Flying debris or loose material is present.**
- **Engine is running.**
- **Tools are being used.**

W-2019-0907

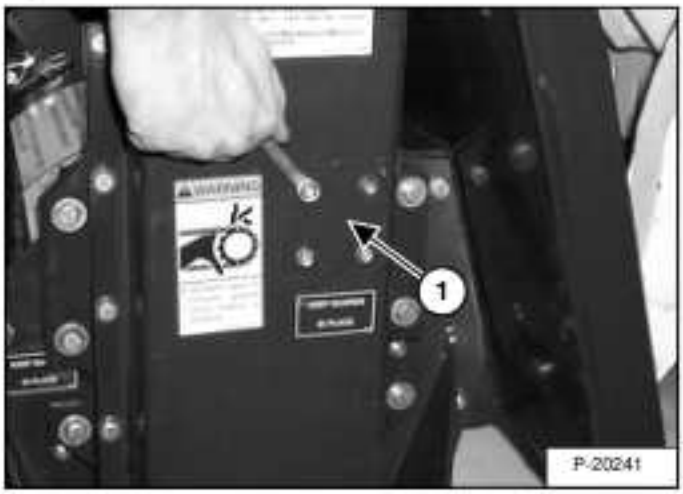
⚠ WARNING

AVOID INJURY OR DEATH

Never operate with covers or guards removed.

W-2121-0788

Figure 64



Adjust the drive chain when the chain movement is greater than correct tension of 1/4 - 1/2 in. (6,4 - 12,7 mm) total movement at the center of the chain.

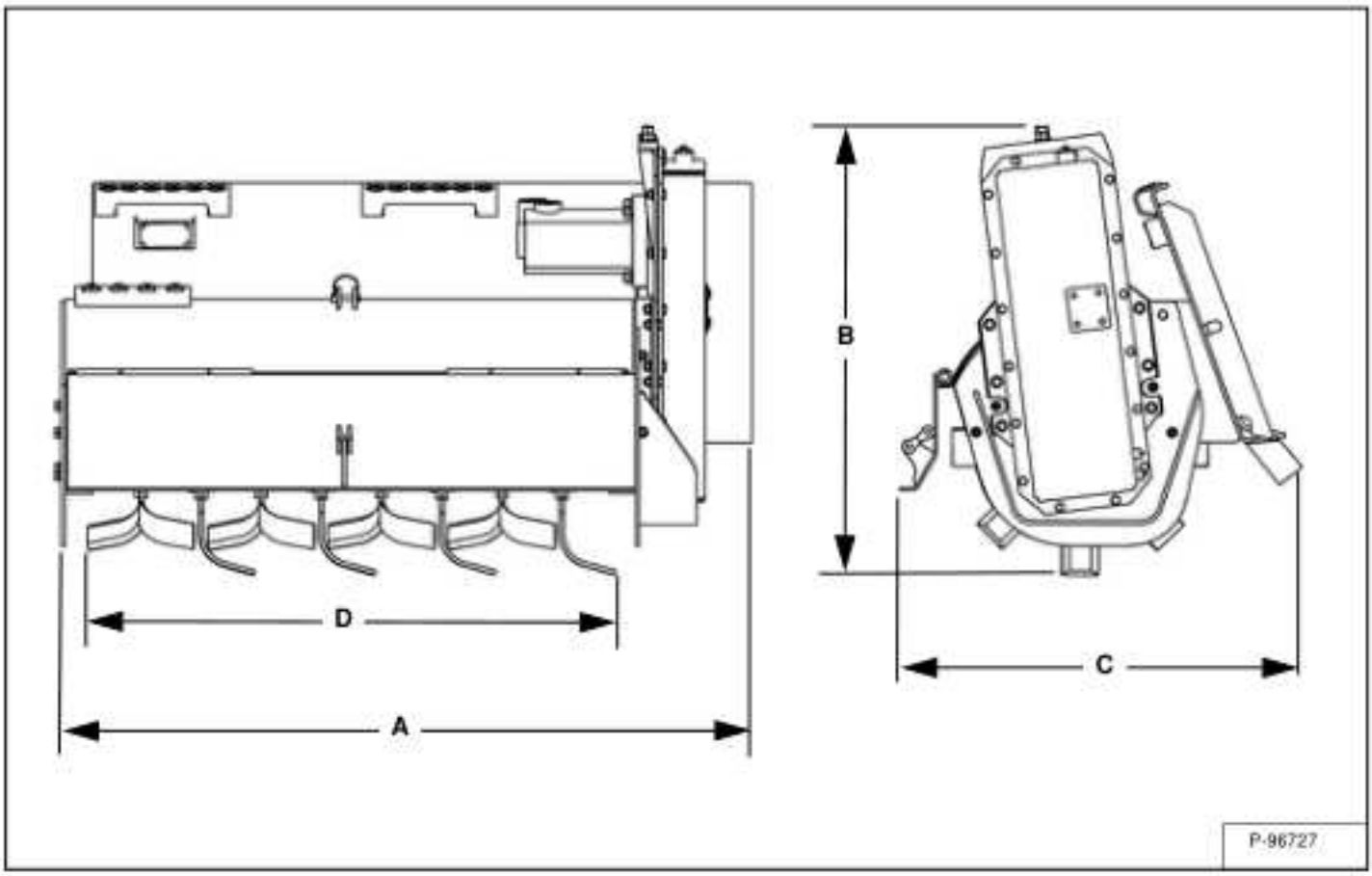
Remove the plate (Item 1) **[Figure 64]** from the drive chain cover.

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TILLER SPECIFICATIONS

Dimensions

- 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	38 IN. TILLER
Overall Width (A)	48.04 in. (1220 mm)
Overall Height (B)	31.22 in. (793 mm)
Overall Length (C)	27.93 in. (709 mm)
Working Width (D)	38 in. (965 mm)

Performance

DESCRIPTION	38 IN. TILLER
Weight	575 lb. (261 kg)
Working Depth	4 in. (102 mm) Max.
Drive	Hydraulic with Chain Drive in Oil Bath
Travel Direction	Forward / Reverse
Tine Rotation	Bi-Rotational
Number of Tines	32
Tine Shaft RPM	122 at 10 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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