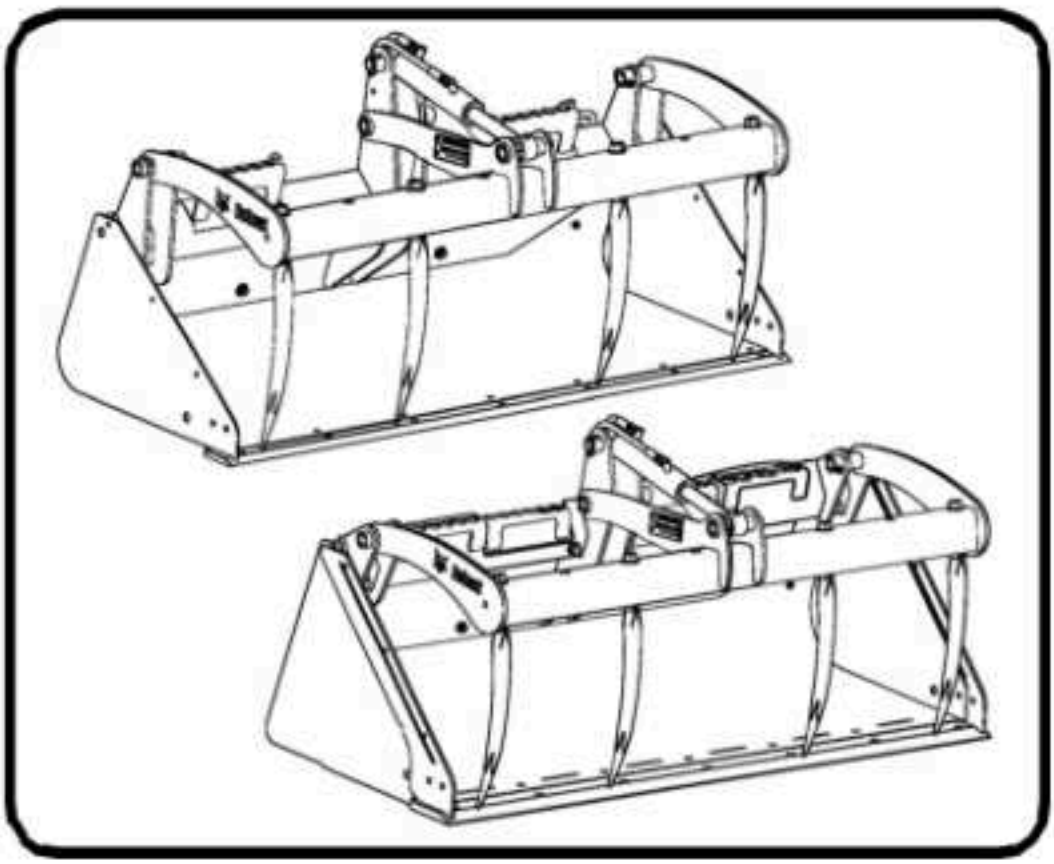
Bobcat®

Operation & Maintenance Manual
Utility Grapple

(GRAPPLE GP 55) S/N AH0C00101 & Above
(GRPL 55 C/I UTIL) S/N AH0V00101 & Above



6987411 (6-09) Revised (10-09) (1)

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REFERENCE INFORMATION

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

Utility Grapple Serial Number _____

NOTES:

_____

_____

_____

_____

_____

YOUR BOBCAT DEALER:

_____

ADDRESS:

_____

PHONE:

_____

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

Bobcat Company Europe
Drève Richelle 167
B-1410 WATERLOO
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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 utility grapple. READ AND UNDERSTAND THIS OPERATION & MAINTENANCE MANUAL BEFORE OPERATING YOUR UTILITY GRAPPLE. If you have any questions, see your Bobcat dealer.

BOBCAT COMPANY IS IS0 9001 CERTIFIED 5

SERIAL NUMBER LOCATION 6
Attachment Serial Number 6

DELIVERY REPORT 6

ATTACHMENT IDENTIFICATION 7
(GRAPPLE GP 55) Utility Grapple 7
(GRPL 55 C/I UTIL) Utility Grapple 8

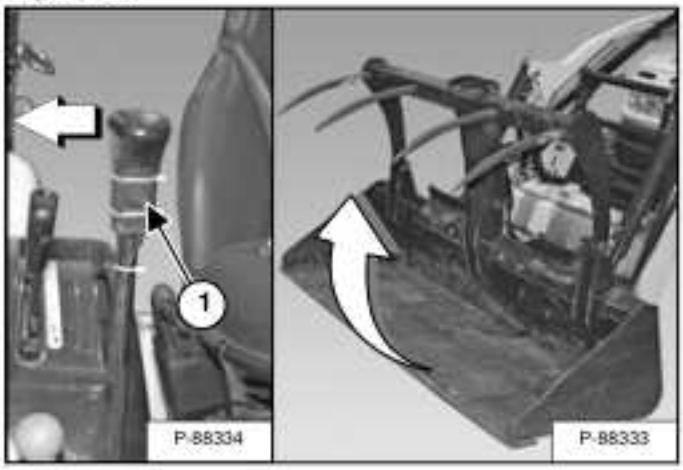
FEATURES AND ACCESSORIES 9
Standard Items 9
Options And Accessories 9
Special Applications Kit For Loaders 9

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OPERATING PROCEDURE WITH COMPACT TRACTORS (CONT'D)

Control Functions

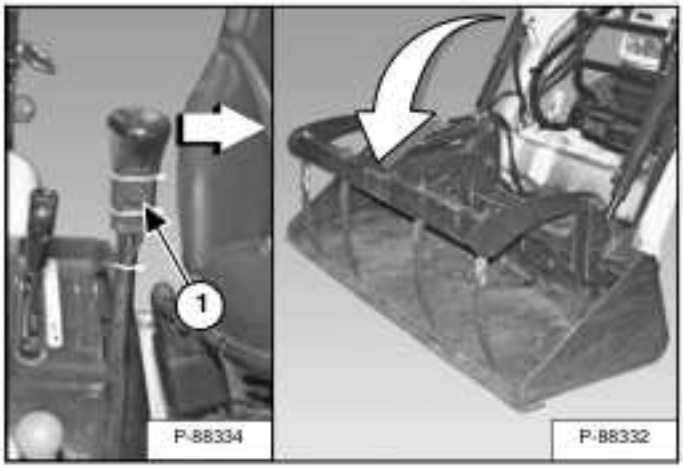
Figure 157



To open the grapple, press and hold the front auxiliary switch (Item 1) **[Figure 157]** and move the joystick control lever to the right (away from the seat) **[Figure 157]**.

NOTE: If the front auxiliary switch is released while moving the joystick control lever, the hydraulic oil flow to the attachment will stop and the oil flow will start flowing to the tilt cylinders on the loader.

Figure 158



To close the grapple, press and hold the front auxiliary switch (Item 1) **[Figure 158]** and move the joystick control lever to the left (towards the seat) **[Figure 158]**.

NOTE: If the front auxiliary switch is released while moving the joystick control lever, the hydraulic oil flow to the attachment will stop and the oil flow will start flowing to the tilt cylinders on the loader.

If the auxiliary function does not operate as described, stop the engine. Relieve the auxiliary hydraulic pressure. (See the compact tractor Operation & Maintenance Manual for the correct procedure.) Exit the machine and switch the hoses on the coupler assembly or hydraulic quick couplers on the attachment hoses.

Start the engine and release the parking brake.

Open and close the grapple bucket several times to remove any air from the compact tractor hydraulic system before using the grapple.

Check all the hydraulic lines and fittings for leaks.

⚠ WARNING

AVOID INJURY OR DEATH

Diesel fuel or hydraulic fluid under pressure can penetrate skin or eyes, causing serious injury or death. Fluid leaks under pressure may not be visible. Use a piece of cardboard or wood to find leaks. Do not use your bare hand. Wear safety goggles. If fluid enters skin or eyes, get immediate medical attention from a physician familiar with this injury.

W-2072-0807

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LUBRICATING THE ATTACHMENT

Lubrication Locations

Always use a good quality lithium base multi-purpose grease when lubricating the utility grapple. Apply lubricant until extra grease shows.

⚠ WARNING

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

- **Pressurized fluids and springs or other stored energy components.**
- **Flying debris or loose material is present.**
- **Engine is running.**
- **Tools are being used.**

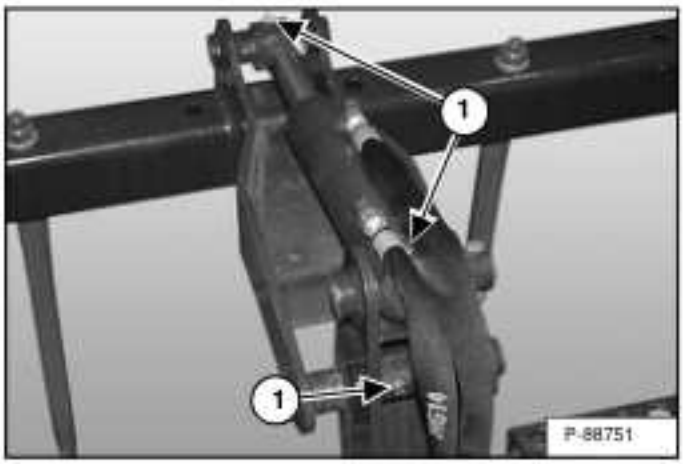
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IMPORTANT

Fluid such as engine oil, hydraulic fluid, coolants, grease, etc. must be disposed of in an environmentally safe manner. Some regulations require that certain spills and leaks on the ground must be cleaned in a specific manner. See local, state and federal regulations for the correct disposal.

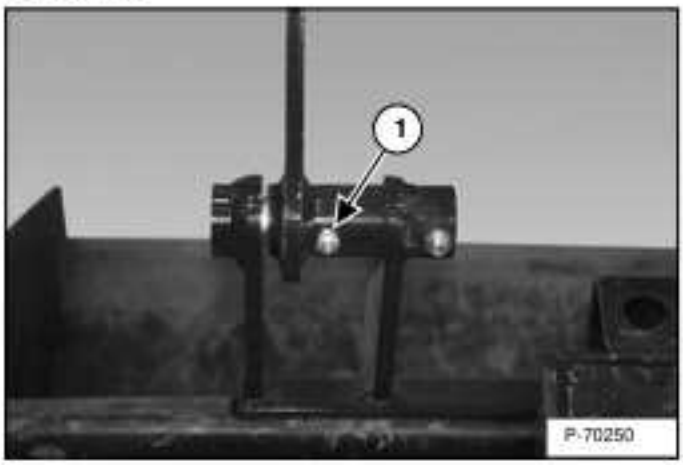
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Figure 172



Lubricate the cylinder and center pivot grease fittings (Item 1) **[Figure 172]** EVERY 8 - 10 hours.

Figure 173



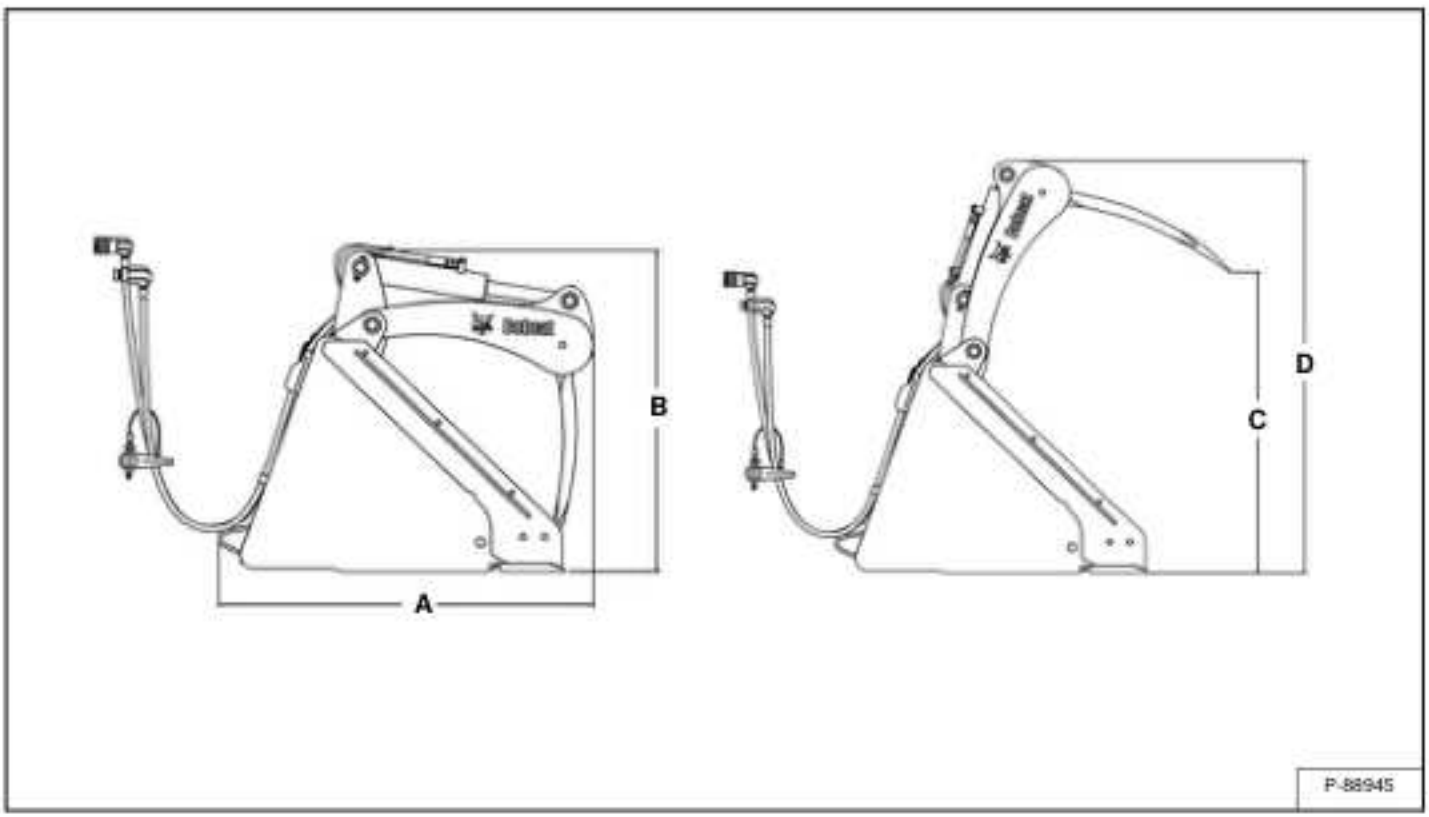
Lubricate both outer pivot grease fittings (Item 1) **[Figure 173]** EVERY 8 - 10 hours (Right pivot area shown.)

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(GRPL 55 C/I UTIL) UTILITY GRAPPLE 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	GRPL 55 C/I UTIL
Overall Depth Of Grapple (Dim A)	34.29 in. (871,0 mm)
Closed Height of Grapple (Dim B)	29.30 in. (744,3 mm)
Inside Height of Grapple (Dim C)	30.53 in. (775,4 mm)
Opened Height Of Grapple (Dim D)	41.86 in. (1063,2 mm)
Overall Width of Grapple	55.75 in. (1416,1 mm)
Cylinder Stroke	6.00 in. (152,4 mm)
Cylinder Bore Diameter	2.00 in. (50,8 mm)
Cylinder Rod Diameter	1.25 in. (31,8 mm)
Number of Grapple Teeth (Std/Max)	4/8

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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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