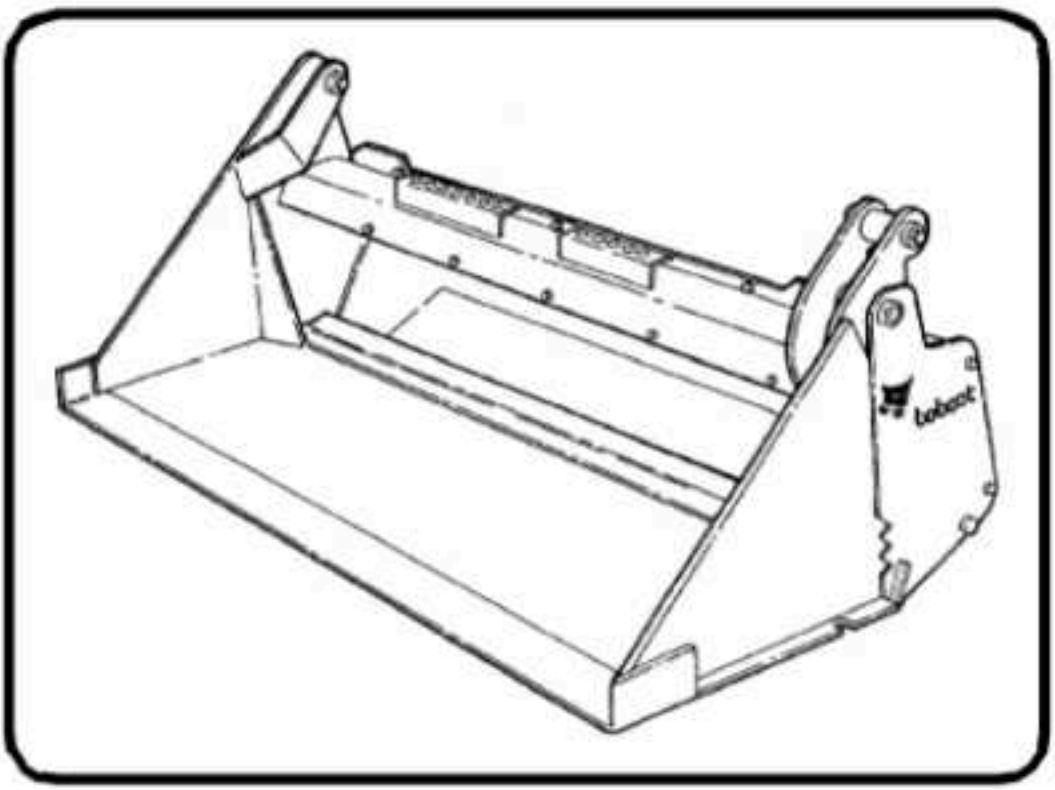
Bobcat®

Operation & Maintenance Manual
Combination Bucket

(60 In.) S/N 622500101 & Above
(60 In.) S/N 707200101 & Above
(62 In.) S/N 431300101 & Above
(66 In.) S/N 707000101 & Above
(66 In.) S/N 707400101 & Above
(68 In.) S/N 431500101 & Above
(74 In.) S/N 375900101 & Above
(74 In.) S/N 431400101 & Above
(74 In.) S/N 458500101 & Above
(80 In.) S/N 027800101 & Above
(84 In.) S/N 769200101 & Above
(84 In.) S/N 028000101 & Above



6902659 (11-07) Revised (8-08) (5)

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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
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 combination bucket. READ AND UNDERSTAND THIS OPERATION & MAINTENANCE MANUAL BEFORE OPERATING YOUR combination bucket. If you have any questions, see your Bobcat dealer.

BOBCAT COMPANY IS ISO 9001:2000 CERTIFIED V

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OPERATING PROCEDURE WITH UTILITY WORK MACHINES (CONT'D)

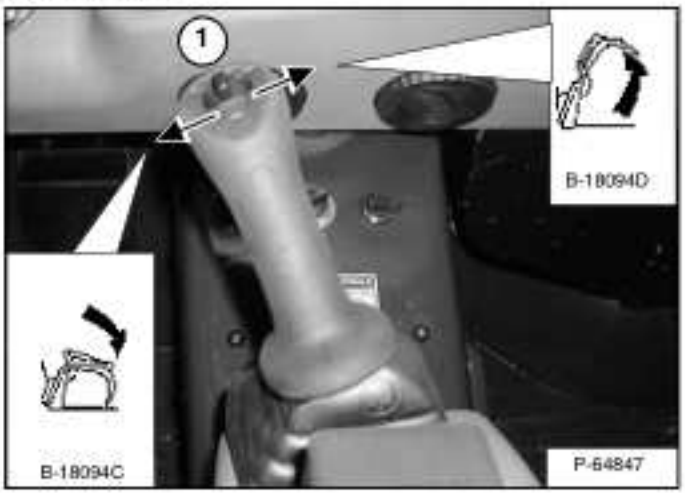
Control Functions

Engage auxiliary hydraulics. (See your work machine's Operation & Maintenance Manual and Operator's Handbook for correct procedure.)

Note: The auxiliary hydraulics must be activated prior to attachment operation.

Enter the work machine. (See Entering And Exiting The Work Machine on Page OI-63.)

Figure OI-154



The thumb switch (Item 1) **[Figure OI-154]** on the joystick now controls the front auxiliary hydraulic functions.

To open the bucket, push switch (Item 1) **[Figure OI-154]** to the right.

To close the combination bucket, push switch (Item 1) **[Figure OI-154]** to the left.

NOTE: If the bucket does not function as explained above, stop the engine. Relieve the auxiliary hydraulic pressure. (See the work machine's Operation & Maintenance Manual for correct procedure.) Exit the work machine and switch the hydraulic quick couplers on the hoses.

Always warm the engine and the hydraulic system before operating the machine.

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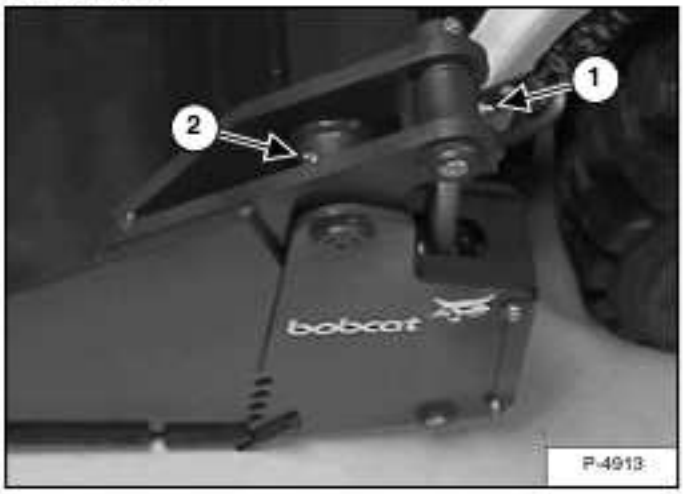
LUBRICATING THE ATTACHMENT

Lubrication Locations

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

Lubricate the grease fittings, EVERY 8-10 hours.

Figure PM-1



Apply grease to the cylinder rod end grease fittings (Item 1) and to the bucket pivot points (Item 2) **[Figure PM-1]**.

Figure PM-2

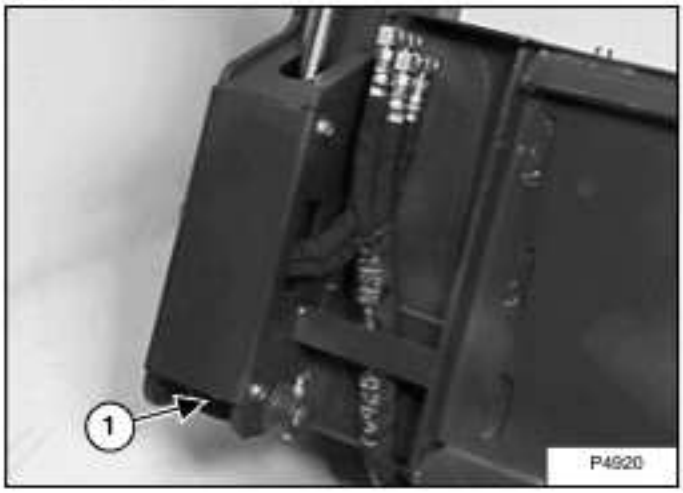
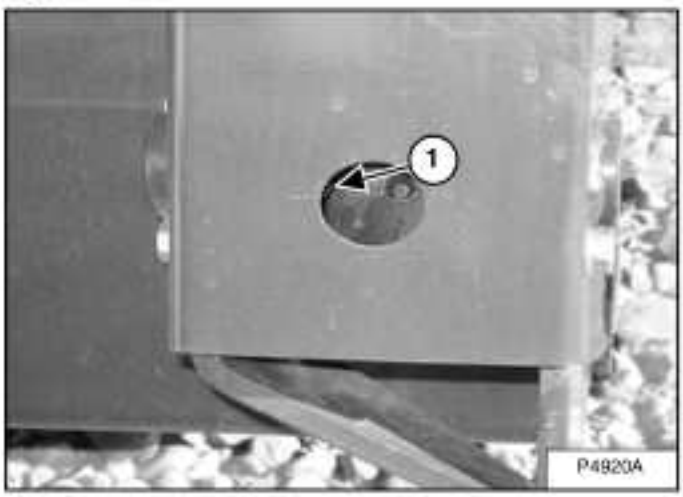


Figure PM-3



Apply grease to the cylinder base end grease fittings (Item 1) **[Figure PM-2]** or **[Figure PM-3]**.

Clean the debris and/or dirt from between the hydraulic cylinder and the back of the bucket as needed.

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COMBINATION BUCKET ATTACHMENT SPECIFICATIONS (CONT'D)

Dimensions (Cont'd)

- All dimensions are shown in inches. Respective metric dimensions are given in millimeters enclosed by parentheses.
- Where applicable, specifications conform to **SAE & ISO** standards and are subject to change without notice.

DESCRIPTION	60 IN. BUCKET	62 IN. BUCKET	66 IN. BUCKET	68 IN. BUCKET
Width	61.8 (1572)	62.0 (1575)	68.5 (1740)	68.0 (1727)
Capacity - Heaped	11.44 ft.^{3} (0,32 m^3)	11.44 ft.^{3} (0,32 m^3)	12.89 ft.^{3} (0,37 m^3)	12.89 ft.^{3} (0,36 m^3)
Weight (w/teeth)	779 lb. (349 kg)	797 lb. (362 kg)	877 lb. (393 kg)	821 lb. (373 kg)
(w/o teeth)	749 lb. (236 kg)	745 lb. (338 kg)	847 lb. (380 kg)	768 lb. (349 kg)
Number of Teeth	9	7	7	7
Cylinders				
Bore	2.50 (63,5)	2.50 (63,5)	2.50 (63,5)	2.50 (63,5)
Rod	1.25 (31,8)	1.25 (31,8)	1.25 (31,8)	1.25 (31,8)
Stroke	8.00 (203)	8.00 (203)	8.00 (203)	8.00 (203)

DESCRIPTION	74 IN. BUCKET S/N 375900101 & ABOVE S/N 458500101 & ABOVE	74 IN. BUCKET S/N 431500101 & ABOVE	80 IN. BUCKET
Width	75.0 (1879)	74.0 (1879)	80.75 (2051)
Capacity - Heaped	13.85 ft.^{3} (0,39 m^3)	13.85 ft.^{3} (0,39 m^3)	19.0 ft.^{3} (0,53 m^3)
Weight (w/teeth)	919 lb. (417 kg)	1044 (473 kg)	1190 lb. (540 kg)
(w/o teeth)	870 lb. (395 kg)	981 lb. (445 kg)	1126 lb. (511 kg)
Number of Teeth	8	8	8
Cylinders			
Bore	2.50 (63,5)	2.50 (63,5)	2.50 (63,5)
Rod	1.25 (31,8)	1.25 (31,8)	1.25 (31,8)
Stroke	8.00 (203)	8.00 (203)	8.00 (203)

DESCRIPTION	84 IN. BUCKET S/N 769200101 & ABOVE	84 IN. BUCKET S/N 028000101 & ABOVE
Width	85.4 (2169)	85.4 (2169)
Capacity - Heaped	21.8 ft.^{3} (0,61 m^3)	20.3 ft.^{3} (0,57 m^3)
Weight (w/teeth)	1278 lb. (580 kg)	1234 lb. (560 kg)
(w/o teeth)	1210 lb. (549 kg)	1166 lb. (529 kg)
Number of Teeth	9	9
Cylinders		
Bore	2.50 (63,5)	2.50 (63,5)
Rod	1.25 (31,8)	1.25 (31,8)
Stroke	8.00 (203)	8.00 (203)

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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

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-0208

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