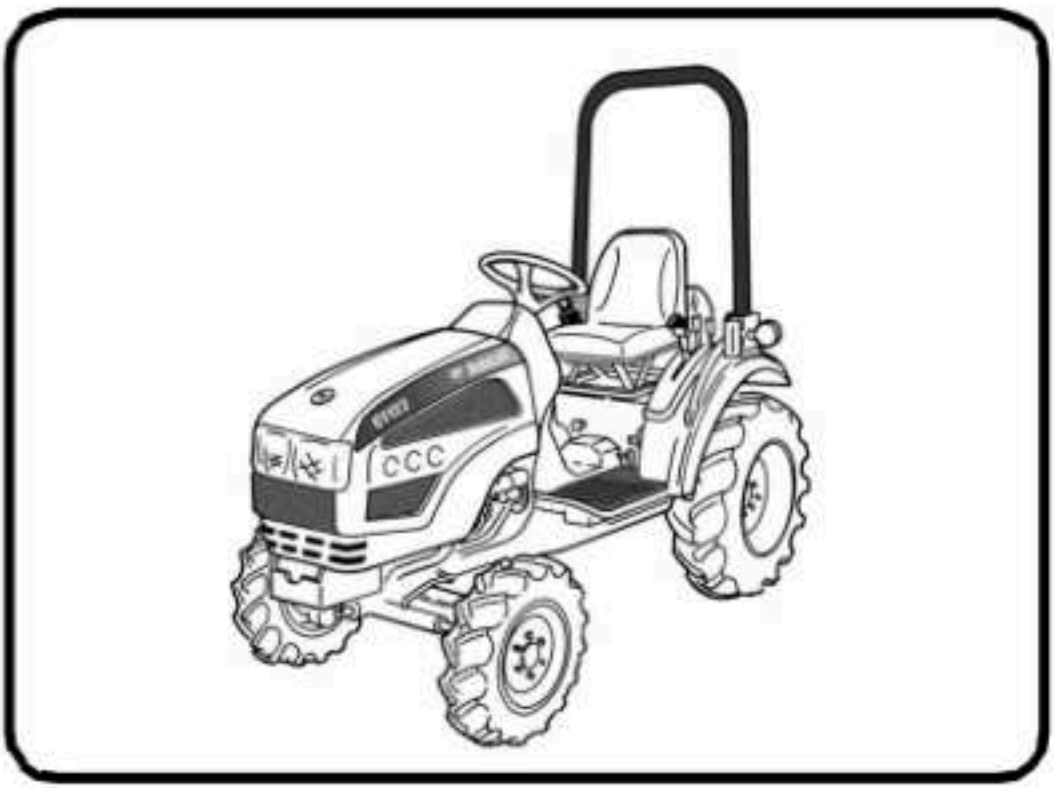
Bobcat®

Operation & Maintenance Manual
CT122 Compact Tractor

S/N ABF511001 & Above



6986919 (5-09) Revised (3-10) (3)

Printed in U.S.A.

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REFERENCE INFORMATION

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

Compact Tractor Serial Number _____

Engine Serial Number _____

Loader Serial Number (If Equipped) _____

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

BOBCAT COMPANY IS IS0 9001 CERTIFIED 7

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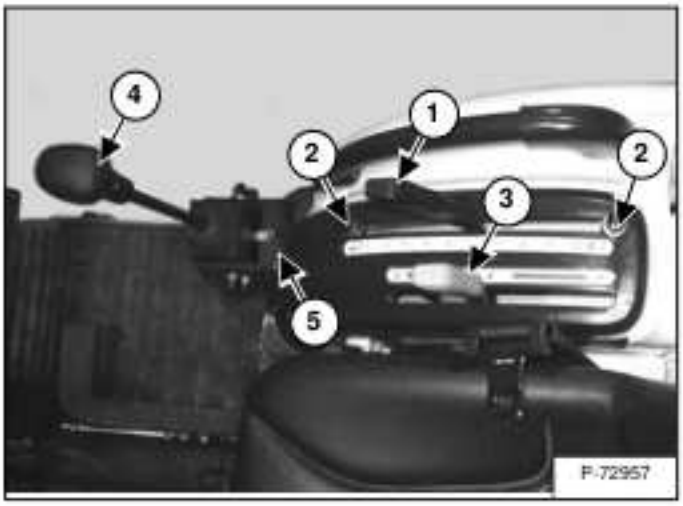
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Right Console

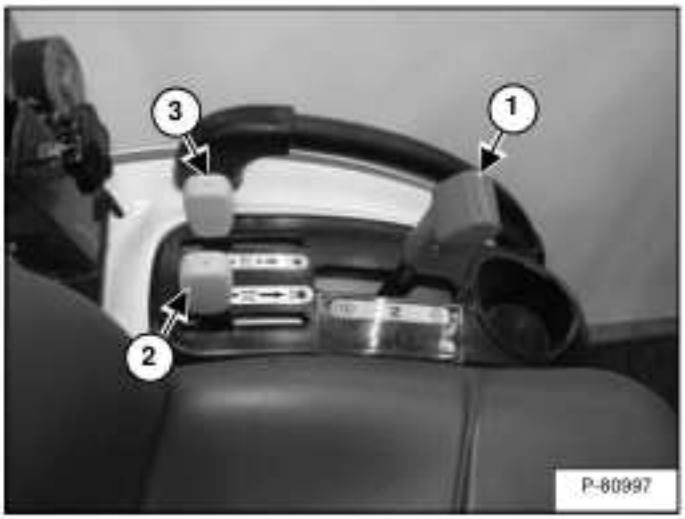
Figure 10



REF	DESCRIPTION	FUNCTION / OPERATION
1	Three-Point Hitch Position Lever	Move lever forward to lower the Three-Point Hitch lower links, move lever back to raise the Three-Point Hitch lower links. (See THREE-POINT HITCH on Page 51.)
2	Three-Point Hitch Position Lever Stops	Rotate depth stop knobs counter-clockwise to loosen, set minimum / maximum desired depth position. Turn clockwise and tighten the knob to the selected position. (See THREE-POINT HITCH on Page 51.)
3	Rear Auxiliary Hydraulic Lever (Rear Remote)	Move lever forward to pressurize the *A* coupler. Move lever back to pressurize the *B* coupler.(See REAR AUXILIARY HYDRAULICS (IF EQUIPPED) on Page 48.)
4	Joystick Control Lever (If Equipped)	Joystick controls the lift and tilt functions of the loader. (See LOADER CONTROLS (IF EQUIPPED) on Page 46.)
5	Joystick Lock Lever	Locks the joystick control lever. (See LOADER CONTROLS (IF EQUIPPED) on Page 46.)

Left Console

Figure 11



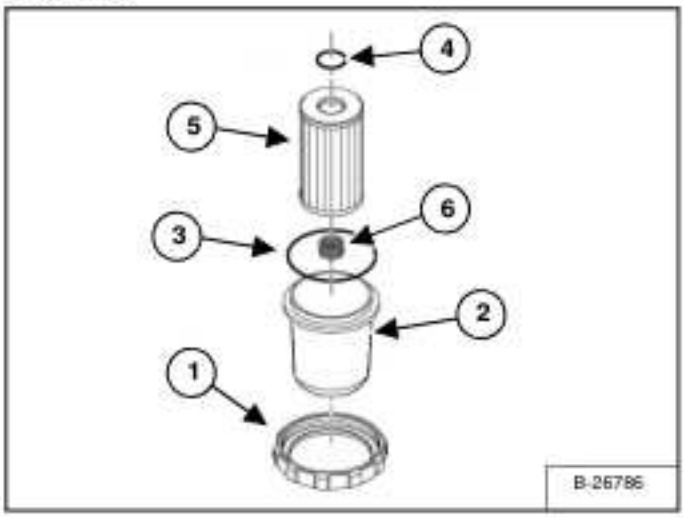
REF	DESCRIPTION	FUNCTION / OPERATION
1	Speed Range Lever (L-N-H)	Press the brake pedals and fully press clutch pedal, then move the lever forward for Low (L) speed range, center position for Neutral (N), back for High (H) speed range. (See SPEED RANGE LEVER on Page 41.)
2	Rear-PTO Lever (540 RPM)	Press the brake pedals and fully press clutch pedal, then move the lever forward to engage the rear-PTO. Move lever back to disengage.(See POWER TAKE-OFF (PTO) on Page 53.)
3	Mid-PTO Lever (If Equipped) (2000 RPM)	Press the brake pedals and fully press clutch pedal, then move the lever forward to engage the mid-PTO. Move lever back to disengage. (See POWER TAKE-OFF (PTO) on Page 53.)

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Fuel Filter

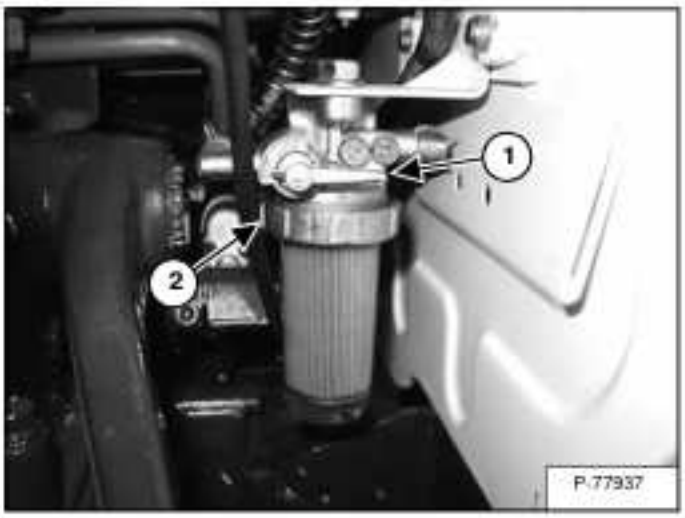
Remove water from or replace the fuel filter at the correct interval. (See SERVICE SCHEDULE on Page 127.)

Figure 192



The fuel filter assembly consists of the following: Locking Collar (Item 1), Bowl (Item 2), O-ring (Item 3), O-ring (Item 4), Filter (Item 5), and Spring (Item 6) **[Figure 192]**.

Figure 193



Removing Water:

The fuel filter is located under the fuel tank and next to the right rear fender **[Figure 193]**.

Clean the area around the filter housing.

Move the fuel shut off lever to the OFF position (Item 1) **[Figure 193]**.

Place a drain pan under the fuel filter.

Remove the locking collar (Item 2) **[Figure 193]** at the filter element and remove the fuel bowl and filter.

Remove the filter and drain the fuel, water and any sediment into the drain pan. Dispose of the used fuel in an environmentally safe manner.

Reinstall the filter and bowl. Turn the lever to the ON position **[Figure 194]**.

Replacing Filter:

Clean the area around the filter housing.

Move the fuel shut off lever to the OFF position (Item 1) **[Figure 193]**.

Place a drain pan under the fuel filter.

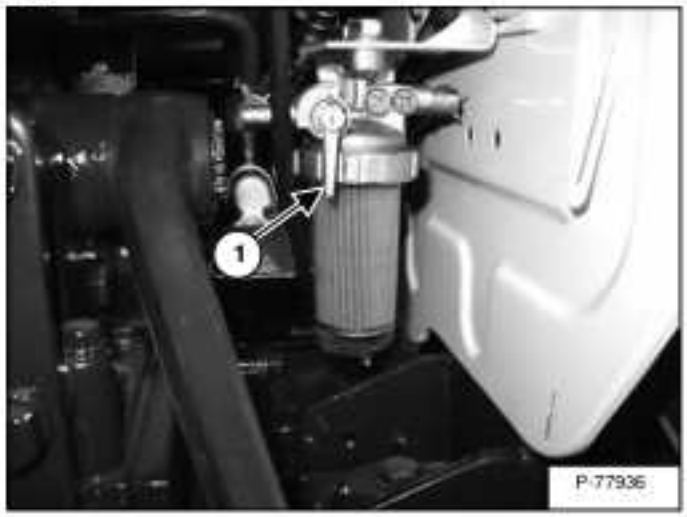
Remove the locking collar (Item 2) **[Figure 193]** at the filter element and remove the fuel bowl and filter.

Remove the filter and drain the fuel, water and any sediment into the drain pan. Dispose of the used fuel and filter in an environmentally safe manner.

Put clean oil on the O-rings.

Install the new fuel filter, bowl and locking collar.

Figure 194



Return the shutoff lever to the ON position (Item 1) **[Figure 194]**.

Remove air from the fuel system. (See Removing Air From The Fuel System on Page 148.)

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COMPACT TRACTOR CAPACITIES

Compact Tractor Loader Lift Capacity

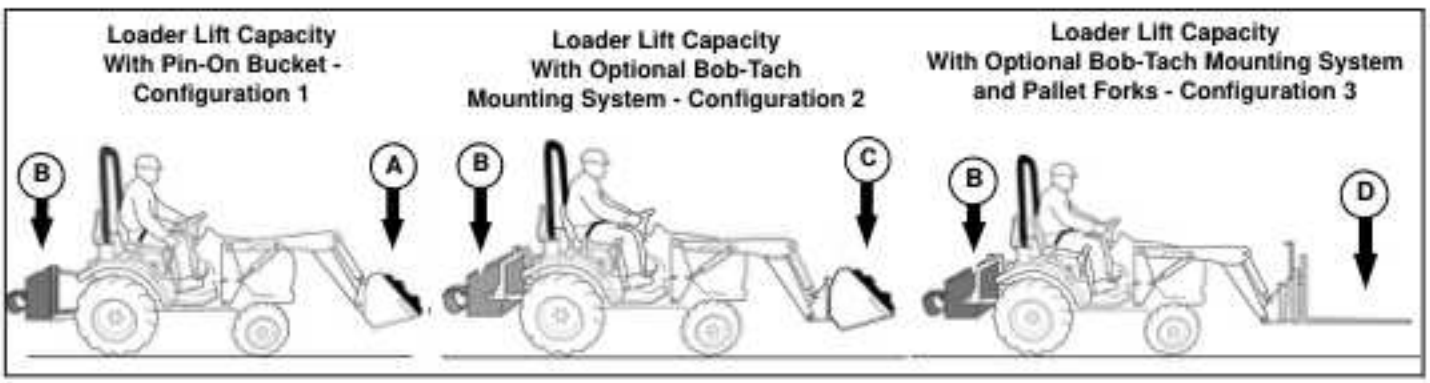
The compact tractor lift capacity with the loader and standard bucket, correct rear ballast, and tires with the correct load rating is listed in the chart below.

The following items will **reduce** the loader lift capacity:

- Use of larger buckets or attachments which moved the load center forward.
- The loader is equipped with the optional Bob-Tach mounting system.
- If the weight of the rear ballast is reduced.
- Tires with a lower load rating are used.

Ballast (Rear)

The correct rear ballast must be installed on the compact tractor for maximum loader lift capacity. Install a three-point hitch ballast box (see chart below).



		6TL S/N AL4C00101 & Above, AKP600101 & Above		6TL S/N A9OY00101 & Above	
		(**A**) 56 in. (1422 mm) Pin-On Bucket	(**C**)56 in. (1422 mm) Bob-Tach Bucket	(**A**) 54 in. (1372) Pin-On Bucket	(**C**) 54 in. (1372) Bob-Tach Bucket
Bucket Weight		178 lb. (81 kg)	209 lb. (95 kg)	154 lb. (70 kg)	154 lb. (70 kg)
Rear Ballast Weight (**B**)		670 lb. (304 kg)	670 lb. (304 kg)	670 lb. (304 kg)	670 lb. (304 kg)
Loader lift capacity at full height with Bucket (Model 6TL Loader and or Rear Ballast (**B**) installed)	Measured at pivot pin	1075 lb. (488 kg)	866 lb. (393 kg)	1140 lb. (517 kg)	980 lb. (445 kg)
	Measured at 500 mm from pivot	744 lb. (338 kg)	645 lb. (293 kg)	830 lb. (376 kg)	700 lb. (318 kg)
Loader lift capacity at 59 in. lift height with Bucket (Model 6TL Loader and Rear Ballast (**B**) installed)	Measured at pivot pin	1112 lb. (505 kg)	989 lb. (449 kg)	N/A	N/A
	Measured at 500 mm from pivot	849 lb. (385 kg)	793 lb. (360 kg)	N/A	N/A
Boom breakout force	Measured at pivot pin	1788 lb. (811 kg)	1709 lb. (775 kg)	N/A	N/A
	Measured at 500 mm from pivot	1290 lb. (585 kg)	1177 lb. (534 kg)	N/A	N/A
Bucket rollback force measured at 500 mm from pivot pins	Measured at maximum lift height	1501 lb. (681 kg)	1417 lb. (643 kg)	N/A	N/A
	Measured at 59 in. lift height	1616 lb. (733 kg)	1665 lb. (755 kg)	N/A	N/A
	Measured at ground level	1453 lb. (659 kg)	1378 lb. (625 kg)	N/A	N/A
(**D**) Loader lift capacity at full height with 42 in. (1067 mm) pallet forks (Model 6TL Loader and Rear Ballast (**B**) installed). Pallet forks weight 364 lb. (165 kg)	Measured at 24 in. (610 mm) in front of pallet fork frame	N/A	420 lb. (191 kg)	N/A	400 lb. (181 kg)

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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 / implement 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 / implement.

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 / implement safely under all conditions of the work area. Fasten seat belt securely when Roll-Over Protective Structure (ROPS) is up and locked. DO NOT wear the seat belt if ROPS is down.

Know the Work Conditions

- Know the weight of the materials being handled. Avoid exceeding the machine and attachment / implement 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 *Before Operation* Section of this manual.
- Wear tight fitting clothing. Always wear safety glasses when doing maintenance or service. Safety glasses, hearing protection, or respiratory equipment are required for some work. See your Bobcat dealer about Bobcat Safety equipment for your machine.

SI CT-1008

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