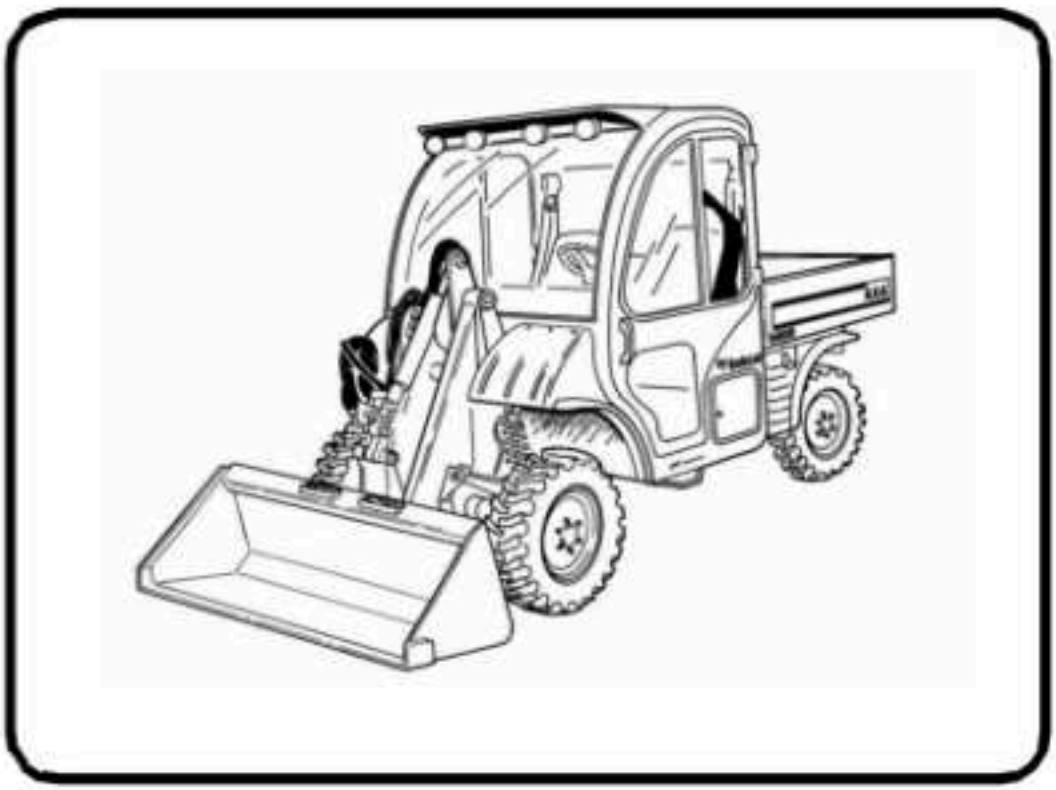
Bobcat®

Operation & Maintenance Manual
Toolcat™ 5600 Utility Work Machine

S/N A94Y11001 & Above



EQUIPPED WITH TOOLCAT INTERLOCK CONTROL SYSTEM (TICS™)

6990049 (12-10)

Printed in U.S.A.

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REFERENCE INFORMATION

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

Work Machine Serial Number _____

Engine 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 Toolcat utility work machine. READ AND UNDERSTAND THIS OPERATION & MAINTENANCE MANUAL BEFORE OPERATING YOUR BOBCAT TOOLCAT UTILITY WORK MACHINE. If you have any questions, see your Bobcat dealer. This manual may illustrate options and accessories not installed on your Toolcat utility work machine.

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SERIAL NUMBER LOCATIONS 8
- Utility Work Machine Serial Number 8
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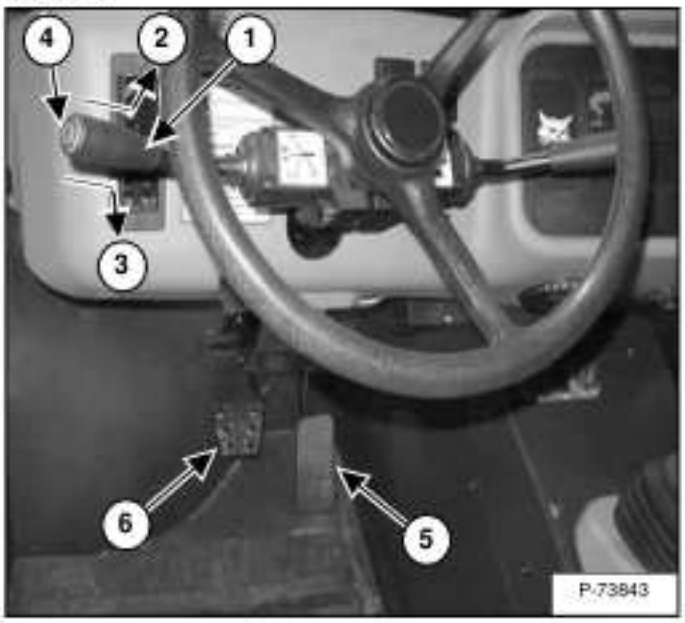
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TRAVEL DIRECTION CONTROL LEVER

Operation

Figure 17



The Travel Direction Control Lever (Item 1) **[Figure 17]** has three positions; Forward - PARK - Reverse (**FPR**).

Pull lever toward steering wheel and move the lever up (Item 2) **[Figure 17]** for forward travel.

Pull lever toward steering wheel and move the lever down (Item 3) **[Figure 17]** for reverse travel.

Put the lever in PARK whenever you stop the machine. The PARK position automatically engages the parking brake.

NOTE: The Travel Direction Control Lever must be in PARK to start the engine.

Two-Speed Control

Press the button (Item 4) **[Figure 17]** at the end of lever to engage high range. (High Speed icon, Item 36, **[Figure 8]**, will be ON.) Press again to disengage.

DRIVE PEDAL

⚠ WARNING

AVOID INJURY OR DEATH

- **Always keep bystanders away from the work area and travel path.**
- **The operator must always look in the direction of travel.**

W-2813-1209

Operation

Use the Travel Direction Control Lever to select Forward or Reverse travel then slowly press the Drive Pedal (Item 5) **[Figure 17]** to move the machine. To increase the speed of the machine, continue to press the Drive Pedal. Release the Drive Pedal to stop the machine.

BRAKE PEDAL

Operation

Press the Brake Pedal (Item 6) **[Figure 17]** to stop the machine. The Brake Pedal will decelerate the machine faster than releasing the Drive Pedal only. Continue to press and hold the Brake Pedal to temporarily hold the machine in position until the Travel Direction Control Lever is returned to the PARK position or drive operation is resumed.

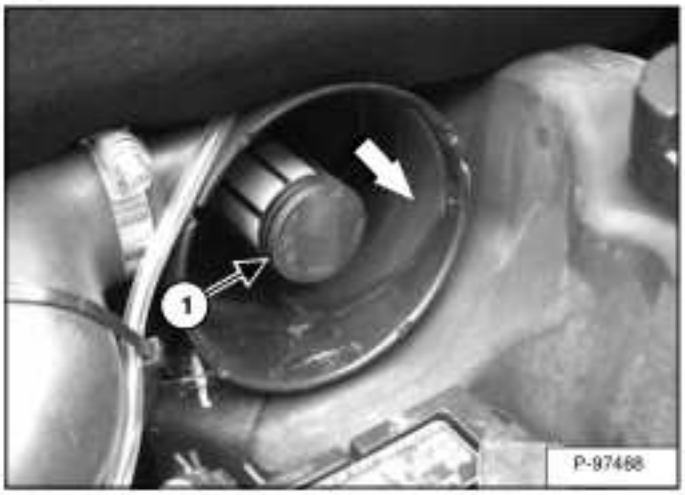
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Replacing Filter Elements (Cont'd)

Inner Filter

Replace the inner filter every third time the outer filter is replaced or when the red ring still shows in the indicator window after the outer filter has been replaced.

Figure 110



Twist the outer filter element (Item 1) **[Figure 109]** approximately 1/8 turn counterclockwise and remove.

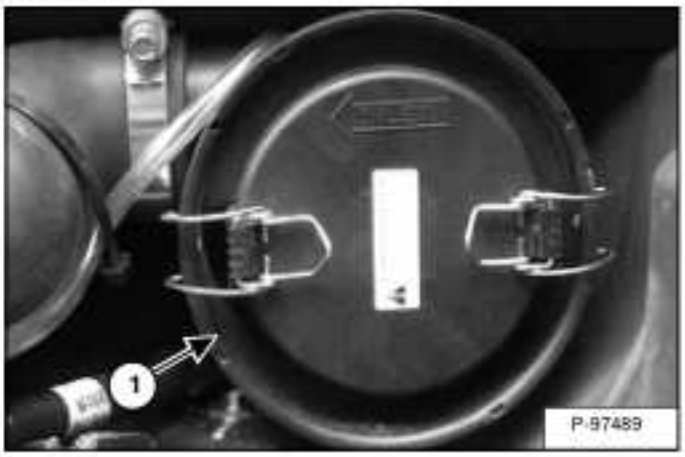
Remove the inner element (Item 1) **[Figure 110]**, if required, by sliding the element straight out.

Clean the inside of the filter housing with a damp cloth. (Do not use compressed air.)

NOTE: The locking tabs in the air cleaner housing that hold the outer filter in place MUST be thoroughly cleaned to ensure proper seating of both filters.

Install the inner element (if removed). Install the outer element taking care to properly engage it into the air cleaner housing locking tabs. Turn the element approximately 1/8 turn clockwise to lock in place.

Figure 111



Install the cover (Item 1) **[Figure 111]** ensuring correct orientation and engage the fasteners.

Remove the cargo box support device and lower the cargo box. (See CARGO BOX SUPPORT DEVICE on Page 79.)

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MACHINE LOAD CAPACITIES

Loader Rated Operating Capacity (ROC)

The operating load on the lift arm with a standard dirt bucket is **680 kg (1500 lb)**. If longer buckets or other attachments such as a Pallet Fork is used, the load center is moved forward and lift arm capacity is reduced.

Maximum Cargo Box Load

The maximum load that can be carried in the Cargo Box of the machine is **907 kg (2000 lb)**.

Machine Rated Capacity

The total capacity that the machine can handle when the lift arm and cargo box are used together is up to **997 kg (2200 lb)**. This includes the combined weight of load on lift arm, cargo box load, operator and passenger.

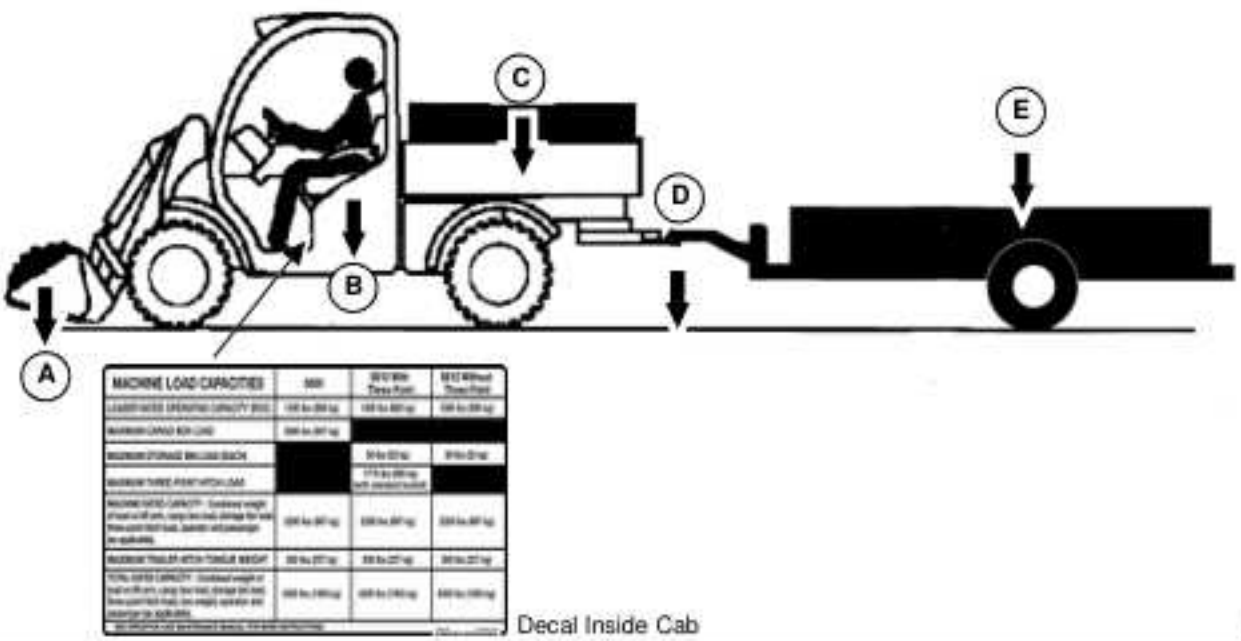
Maximum Trailer Hitch Tongue Weight

The maximum vertical load that can be applied to the receiver hitch (if equipped) is **227 kg (500 lb)**.

Total Rated Capacity

The maximum load that can be applied to the machine while towing is **1905 kg (4200 lb)**. This includes the combined weight of the load on the lift arm, cargo box load, operator, passenger and tow weight (if equipped with receiver hitch).

Figure 193



Decal Inside Cab

B-22493

Refer to **[Figure 193]** for references below.

A - Loader **R**ated **O**perating **C**apacity (ROC)* = **680 kg (1500 lb) Maximum**

B - Operator and Passenger Weight

C - Maximum Cargo Box Load = **907 kg (2000 lb)**

D - Maximum Trailer Hitch Tongue Weight = **227 kg (500 lb)**

E - Tow Weight = **1814 kg (4000 lb)** (Including weight of trailer) (If **A plus C** = 0 lb.)

Machine Rated Capacity = **A plus B plus C = 997 kg (2200 lb)**

(A) must not exceed **680 kg (1500 lb)**

Total Rated Capacity (when towing) = **A plus B plus C plus E = 1905 kg (4200 lb) Maximum**

(A) must not exceed **680 kg (1500 lb)**

(C) must not exceed **907 kg (2000 lb)**

A + B + C must not exceed **997 kg (2200 lb)**

* Loader **ROC** is determined by using a standard dirt bucket and material of normal density, such as dirt or dry gravel. If longer buckets or other attachments such as Pallet forks are used, the load center is moved forward and the lift arm capacity is reduced. If very dense material is loaded, the volume must be reduced.

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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 utility work 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 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 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.
- Operator Training Courses are available from your Bobcat dealer in English and Spanish. They provide information for safe and efficient equipment operation. Safety videos are also available.

Know the Work Conditions

- Know the weight of the materials being handled. Avoid exceeding the Rated Machine Load Capacities of the machine. Material which is very dense will be heavier than the same volume of less dense material. Reduce the size of the 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, respiratory equipment, hearing protection or Special Applications Kits are required for some work. See your Bobcat dealer about Bobcat Safety Equipment for your model.

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