Toolcat™

5600

Bobcat®

Operation & Maintenance Manual

S/N 520511001 & Above



Equipped With Toolcat™ Interlock Control System (TICS)

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CALIFORNIA PROPOSITION 65 WARNING

Diesel Engine Exhaust And Some Of Its Constituents Are Known To The State Of California To Cause Cancer, Birth Defects And Other Reproductive Harm.

REFERENCE INFORMATION

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

Work Machine Serial Number _____

Engine Serial Number _____

_____

_____

NOTES:

_____

_____

_____

_____

YOUR BOBCAT® DEALER:

_____

ADDRESS:

_____

PHONE:

_____

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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 Toolcat™ Utility Work Machine. READ AND UNDERSTAND THIS OPERATION & MAINTENANCE MANUAL BEFORE OPERATING YOUR MACHINE. If you have any questions, see your Bobcat dealer.

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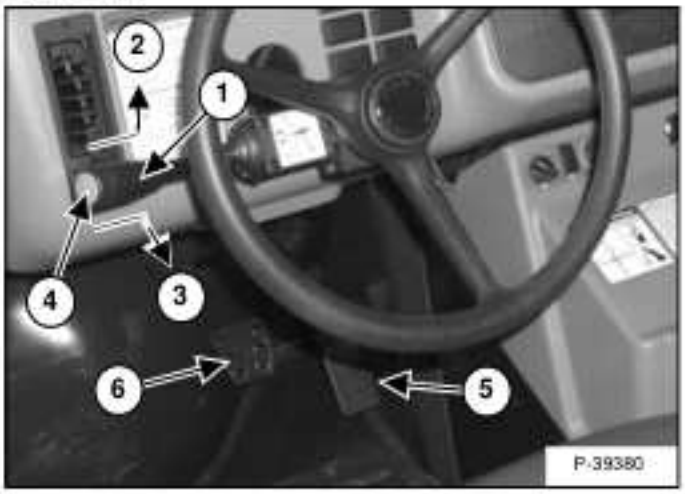
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TRAVEL DIRECTION CONTROL LEVER

Figure OI-7



Operation

The Travel Direction Control Lever (Item 1) **[Figure OI-7]** has three positions; Forward - PARK - Reverse (FPR).

Pull lever toward steering wheel and move the lever up (Item 2) **[Figure OI-7]** for forward travel.

Pull lever toward steering wheel and move the lever down (Item 3) **[Figure OI-7]** 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 OI-7]** at the end of lever to engage high range. Press again to disengage.

DRIVE PEDAL

Operation

Use the Travel Direction Control Lever to select Forward or Reverse travel then press the Drive Pedal (Item 5) 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 OI-7]** 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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CAB AIR FILTER

Cleaning And Maintenance

The heating system requires regular inspection and maintenance. For intervals (See SERVICE SCHEDULE on Page PM-5.)

Primary Filters

Figure PM-7



The primary filteris located in the locked compartment to the rear of the cab door for the operator **[Figure PM-7]**.

Open the compartment door.

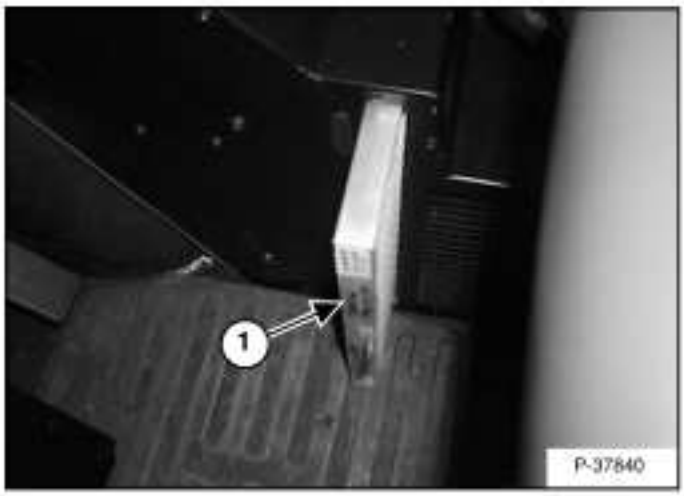
Remove the two thumb bolts and remove the filter housing (Item 1) **[Figure PM-7]**.

Remove the filter and shake it or use low air pressure to remove dirt. The filter can be cleaned several times in this manner then it must be replaced.

Reinstall the filter and housing.

Secondary Filters

Figure PM-8



The filter is located in the center console between the operator and passenger areas.

Remove the cover and pull the filter (Item 1) **[Figure PM-9]** out the operator's side.

Shake the filter or use low air pressure to remove dirt. The filter can be cleaned several times in this manner, then it must be replaced. If air flow from the fan is reduced, the filter may need replacement.

Reinstall the filter and cover.

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WORK MACHINE SPECIFICATIONS (CONT'D)

Performance

Load Capacity Loader Rated Operating Capacity Cargo Box Load (Maximum) Machine Rated Capacity Trailer Hitch Tongue Weight (Max) Total Rated Capacity	 1500 lb. (680 kg) 2000 lb. (907 kg) 2200 lb. (997 kg)* 500 lb. (227 kg) 4200 lb. (1905 kg)** * Combined weight of load on lift arm, cargo box load, operator and passenger. ** Combined weight of the load on lift arm, cargo box load, operator, passenger and tow weight (If equipped with receiver hitch.).
Tipping Load (SAE Rating)	3000 lb. (1362 kg)
Operating Weight	4400 lb. (1906 kg)
Travel Speed Low Range (Forward & Reverse) High Range (Forward Only)	 0 - 10 mph (0 - 16,1 km/hr.) 0 - 18 mph (0 - 28,9 km/hr.)

Controls

Vehicle Steering	Steering Wheel
Loader Hydraulics - Lift and Tilt - Front Auxiliary	 Joystick Switches on Joystick
Engine	Hand lever engine speed control; key-type starter switch (or optional keyless start).
Starting Aid	Glow Plugs automatically activated as needed.
Service Brake	Hydrostatic transmission system controlled by foot pedal.
Parking Brake (Std.)	Spring Applied Pressure Release (SAPR) activated by the park position of the travel direction control lever or automatically when engine stopped.

Engine

Make/Model	Kubota 2203
Fuel/Cooling	Diesel/Liquid
Horsepower, Maximum	44 HP (32,8 kW)
Maximum Governed RPM	2850 RPM
Number of Cylinders	4
Displacement	134.0 cu. in. (2195 cm^3)
Bore/Stroke	3.43 / 3.64 inch (87,0 mm / 92,4 mm)
Lubrication	Pressure System with Filter
Crankcase Ventilation	Open
Air Cleaner	Dry replaceable paper cartridge with safety element
Ignition	Diesel-Compression
Engine Coolant	Propylene Glycol / Water Mixture
Starting Aid	Glow Plugs

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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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