Toolcat™

5600

B-Series

Bobcat®

Operation & Maintenance Manual

S/N 424711001 & Above
S/N 424811001 & 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.

BOBCAT COMPANY IS ISO 9001:2000 CERTIFIED V

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DRIVE PEDAL

Operation

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

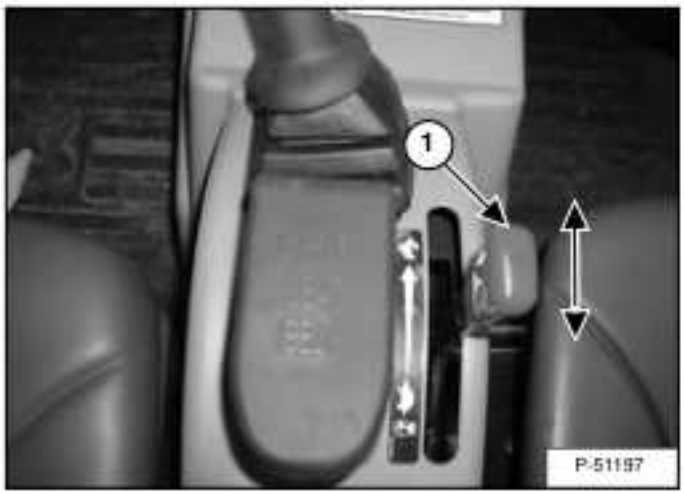
Operation

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.

ENGINE SPEED CONTROL

Operation

Figure OI-8



The engine speed control (Item 1) **[Figure OI-8]** is on the center console at the right side of the operator's seat. Move the engine speed control forward to increase the engine RPM and backward to decrease.

PARKING BRAKE

Operation

Figure OI-9



Press the button (Item 1) **[Figure OI-9]** to engage the parking brake. If the button is pressed, you must press it again to disengage.

NOTE: The parking brake is also engaged when the Travel Direction Control Lever is in PARK position. Brake is disengaged when the lever is moved to the Forward or Reverse position.

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LUBRICATION

Lubrication Locations

Lubricate as specified for the best performance of the machine (See SERVICE SCHEDULE on Page PM-5.)

Record the operating hours each time you lubricate the machine.

Always use a good quality lithium based multi-purpose grease. Apply lubricant until extra grease shows.

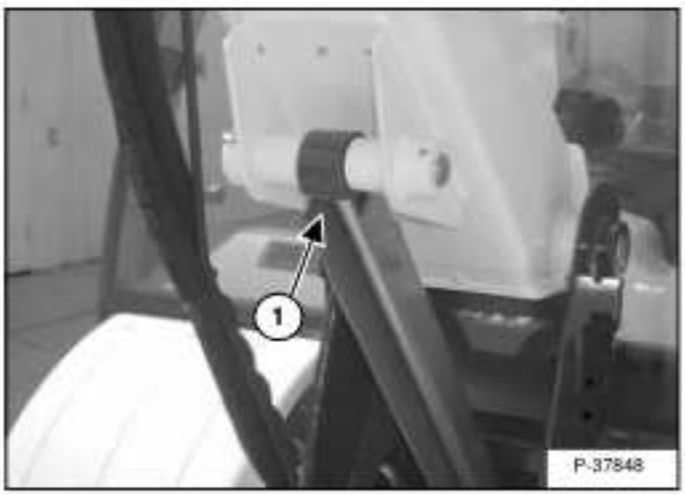
Lubricate the following:

⚠ WARNING

Never work on a machine with the lift arm up unless the lift arm is supported by an approved lift arm support device. Failure to use an approved lift arm support device can allow the lift arm or attachment to fall and cause injury or death.

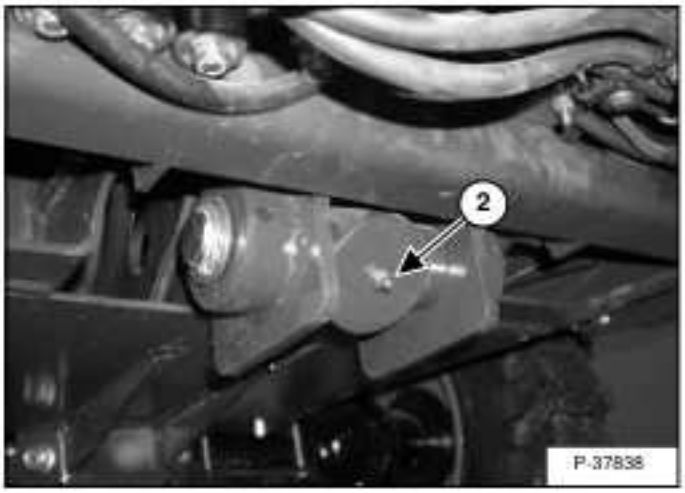
W-2447-1102

Figure PM-48



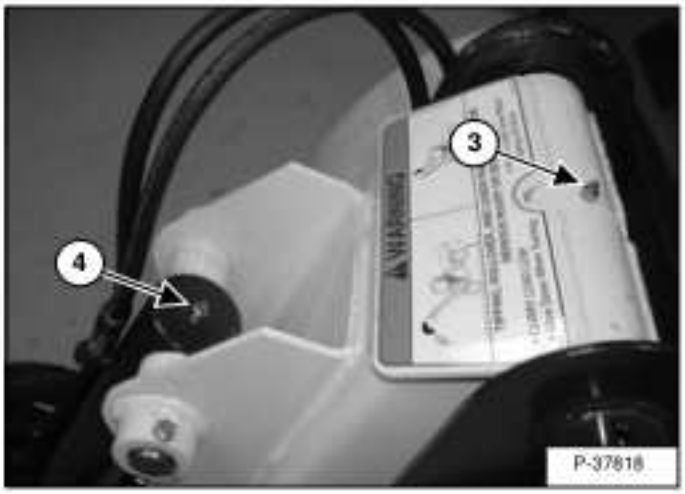
1. Rod End Lift Cylinder (1) **[Figure PM-48]**.

Figure PM-49



2. Base End Lift Cylinder (1) **[Figure PM-49]** (under machine).

Figure PM-50



3. Lift Arm Pivot Pin (1) **[Figure PM-50]**.

4. Base End Tilt Cylinder (1) **[Figure PM-50]**.

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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	5345 lb. (2424 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 and Rear 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 V2203-M-DI	Kubota V2003-M-DI-T
Fuel/Cooling	Diesel/Liquid	
Horsepower, Maximum	**Non-Turbo** 44 HP (32,8 kW)	**Turbo** 56 HP (41,8 kW)
Maximum Governed RPM	2850 RPM	
Number of Cylinders	4	
Displacement	134.0 cu. in. (2,2 L)	
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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