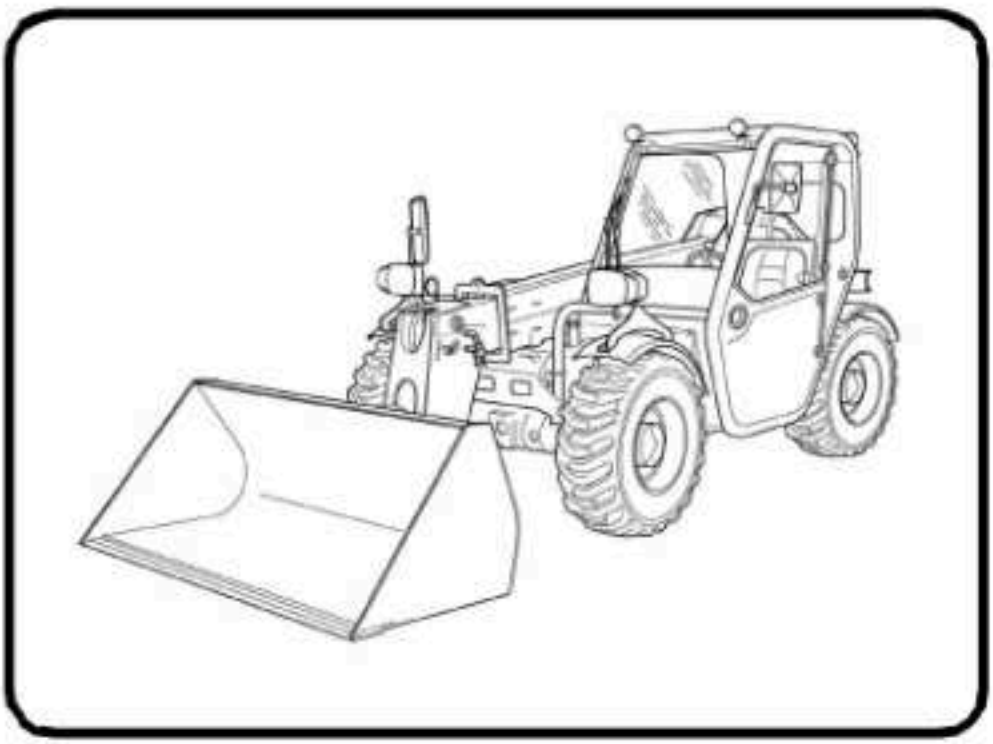
EN

Bobcat®

Operation & Maintenance Manual
T2250 Telescopic Handler

S/N AC1913000 & Above



6989550-EN (02-10)

Printed in Belgium
Original Instructions

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REFERENCE INFORMATION

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

Telescopic Handler Serial Number _____

Engine Serial Number _____

NOTES:

_____

_____

_____

_____

YOUR BOBCAT DEALER:

_____

ADDRESS:

_____

PHONE:

_____

CE

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 & maintenance of the Bobcat telescopic handler. READ AND UNDERSTAND THIS OPERATION & MAINTENANCE MANUAL BEFORE OPERATING YOUR BOBCAT TELESCOPIC HANDLER. If you have any questions, see your Bobcat dealer. This manual may illustrate options and accessories not installed on your telescopic handler.

DECLARATION OF CONFORMITY 7

BOBCAT COMPANY IS IS0 9001 CERTIFIED 8

REGULAR MAINTENANCE ITEMS 8
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- Lubricants, Fuel and Fluids 9

SERIAL NUMBER LOCATION 10
- Telescopic Handler Serial Number 10
- Engine Serial Number 10
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DELIVERY REPORT 10

BOBCAT TELESCOPIC HANDLER IDENTIFICATION 11

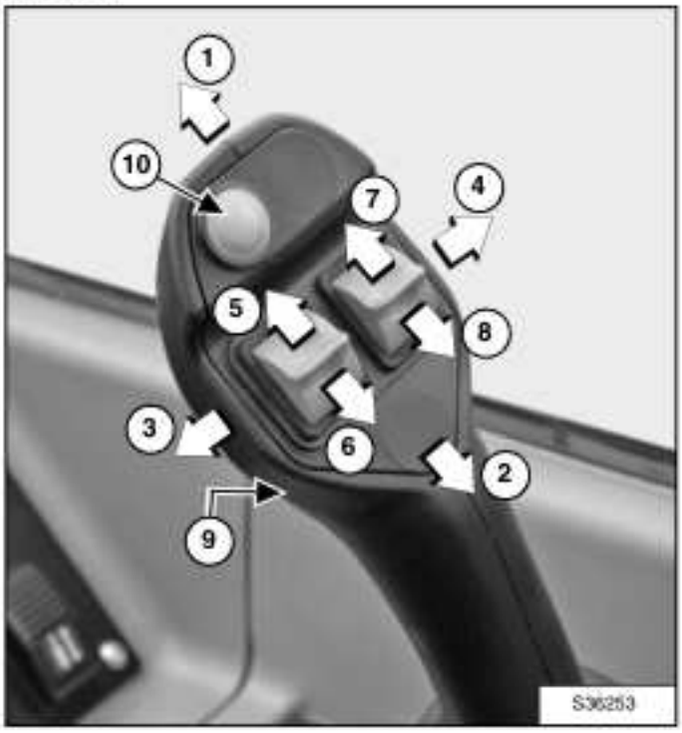
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HYDRAULIC CONTROLS

Hydraulic Control Lever (Joystick)

Figure 33



The Joystick controls the movement of the boom and attachment **[Figure 33]**.

1. Lower Boom
2. Raise Boom
3. Tilt Attachment Backward
4. Tilt Attachment Forward
5. Extend Telescopic Boom
6. Retract Telescopic Boom
7. Controls the function of the Front Auxiliary Hydraulics (Example: Close grapple teeth).
8. Controls the function of the Front Auxiliary Hydraulics (Example: Open grapple teeth).

The above joystick functions (Items 1 - 8) are proportional, the farther you move the control, the faster the hydraulic functions operate.

For the front auxiliary hydraulics functions (Items 7 and 8), front auxiliary hydraulics must first be enabled (See Centre Instrument Panel on Page 36.) (See Item 13)

9. Continuous Auxiliary Hydraulics Flow ON/OFF - Default flow direction is similar to (Item 7). To reverse direction, simultaneously operate the right thumbwheel while pressing button (Item 9).

10. Boom Float Button used in combination with Item 9 to engage the float control function (If Equipped) (See Levelling The Ground Using Float (If Equipped) on Page 73.)

NOTE: If equipped with secondary auxiliary hydraulic couplers, the switch (Item 1) [Figure 36] must be pressed to the top for switch (Item 7 and 8) [Figure 33] to supply flow to the primary front auxiliary hydraulic couplers.

⚠ WARNING

AVOID INJURY OR DEATH

Diesel fuel or hydraulic fluid under pressure can penetrate skin or eyes, causing serious injury or death. Fluid leaks under pressure may not be visible. Use a piece of cardboard or wood to find leaks. Do not use your bare hand. Wear safety goggles. If fluid enters skin or eyes, get immediate medical attention from a physician familiar with this injury.

W-2072-0807

⚠ WARNING

AVOID BURNS

Hydraulic fluid, tubes, fittings and quick couplers can get hot when running machine and attachments. Be careful when connecting and disconnecting quick couplers.

W-2220-0396

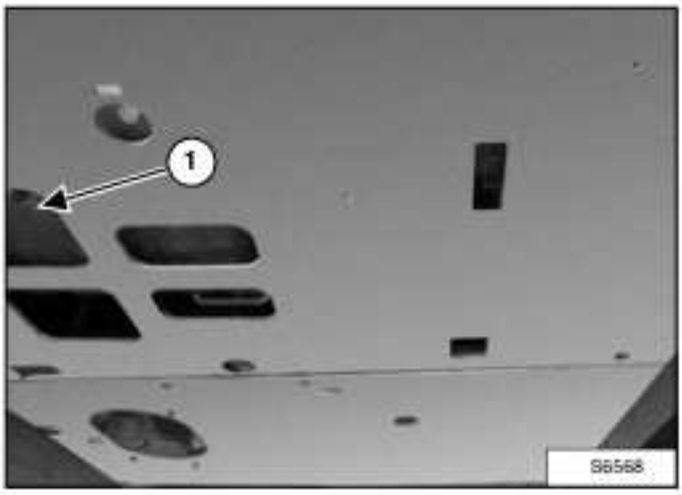
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Removing And Replacing Oil And Filter

See the SERVICE SCHEDULE for the service interval for replacing the engine oil and filter. (See SERVICE SCHEDULE on Page 83.)

Run the engine until it is at operating temperature. Stop the engine.

Figure 103



Remove the oil plug (Item 1) **[Figure 103]** from the engine oil pan through the opening in the bottom of the engine compartment.

Drain the oil into a container and recycle or dispose of used oil in an environmentally safe manner.

Install the oil plug (Item 1) **[Figure 103]**.

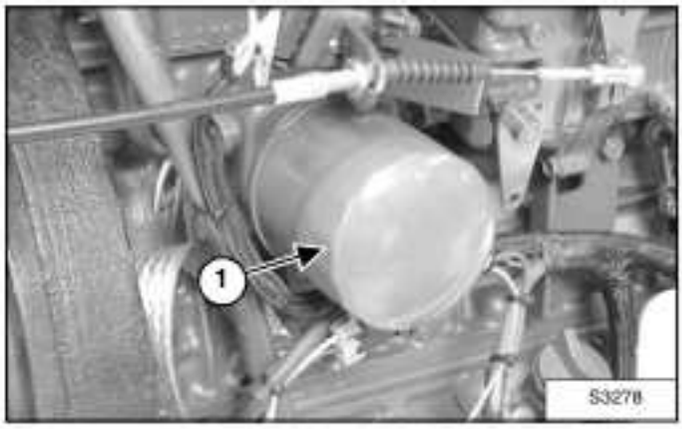
⚠ WARNING

AVOID INJURY OR DEATH

Always clean up spilled fuel or oil. Keep heat, flames, sparks or lighted tobacco away from fuel and oil. Failure to use care around combustibles can cause explosion or fire.

W-2103-0508

Figure 104



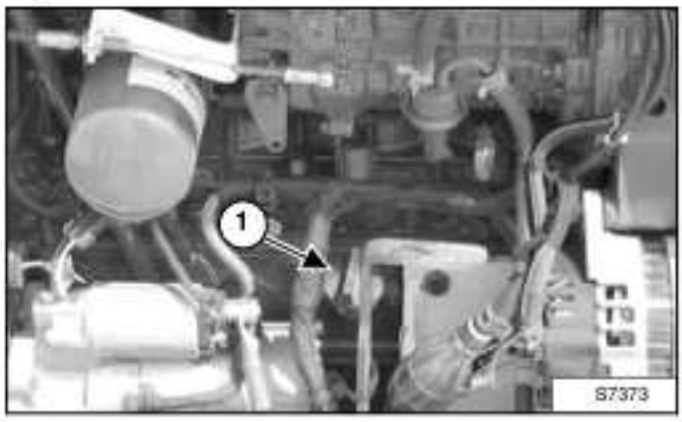
Open the engine cover. (See ENGINE COVER on Page 87.).

Remove the oil filter (Item 1) **[Figure 104]**.

Clean the filter housing surface.

Put clean oil on the new oil filter gasket. Install the filter and hand tighten.

Figure 105



Remove the fill cap (Item 1) **[Figure 105]**.

Put oil in the engine. For capacity, see "Fluid Capacities" on page 134. For type, see "Engine Oil Chart" on page 93.

Install the fill cap, start the engine and let it run for several minutes.

Stop the engine, and check for leaks at the oil filter.

Remove the dipstick (Item 2) and check the oil level. Add oil as needed if it is not at the top mark **[Figure 105]** on the dipstick.

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(T2556) TELESCOPIC HANDLER SPECIFICATIONS (CONT'D)

Performance Specifications

Crowding force	4721 lbf. (2100 daN)
Drawbar pull	6969 lbf. (3100 daN)
Ground pressure on tyres	87 PSI (600 kPa)
Rated operation capacity*	4850 lb. (2200 kg)
Capacity at max. height	4850 lb. (2200 kg)
Capacity at max. reach (Bob-Tach™)	2205 lb. (1000 kg)
Capacity at max. reach (Quick-Tach)	2095 lb. (950 kg)
Push force	6969 lbf. (3100 daN)
Tipping load	2723 lb. (1235 kg)
Lifting height (Bob-Tach™)	206 in. (5230 mm)
Lifting height (Quick-Tach)	205 in. (5210 mm)
Max. reach (Bob-Tach™)	118.5 in. (3010 mm)
Max. reach (Quick-Tach)	119 in. (3030 mm)

* Static and dynamic tests have been carried out and passed according to EN1459.

Weights

Weight (unladen)	10351 lb (4695 kg)
Front axle weight unladen	3913 lb. (1775 kg)
Rear axle weight unladen	6437.5 lb. (2920 kg)
Total weight with pallet frame and forks	11111.5 lb. (5040 kg)
Front axle weight with pallet frame and forks	4883 lb. (2215 kg)
Rear axle weight with pallet frame and forks	6250 lb. (2835 kg)
Total weight with bucket	11012 lb. (4995 kg)
Front axle weight with bucket	4927.5 lb. (2235 kg)
Rear axle weight with bucket	6085 lb. (2760 kg)

Engine

Make / Model	KUBOTA / V3800-DI Turbo
Fuel	Diesel
Cooling	Liquid
Rated power (DIN 6271) at 2400 RPM	75 HP (55.9 kW)
Rated speed	2400 RPM
Maximum torque at 1600 RPM	202 ft.-lb. (274 Nm)
Number of cylinders	4
Displacement	1 Gal. (3.8 L)
Bore	3.94 in. (100 mm)
Stroke	4.72 in. (120 mm)
Ignition	Diesel-compression

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No-Text Safety Signs (Cont'd)

3. Falling Off Attachment (79523.7)

The safety sign is located on the boom head.



⚠ WARNING

Do not use the forks as lift for personnel or work platform.
Do not transport passengers.
Danger of serious injury or death from falling.

---

4. Lowering Attachment or Load (79524.5)

The safety sign is located on the boom head.



⚠ WARNING

Danger of serious injury or death from dropping or lowering an attachment or load.
Keep bystanders away.

---

5. Welding (92941.4)

The safety sign is located on both sides of the back of the machine.



⚠ WARNING

Read instructions before welding.

(See Welding And Grinding on Page 20.)

6. Electrocution (79526.0)

The safety sign is located at the back of the engine compartment.



⚠ WARNING

Danger of electrocution or explosion of the battery.

(See Electrical on Page 19.)

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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 operating the machine. Untrained operators can cause injury or death.

W-2001-0502

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 telescopic handler 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 co-ordination while working. An operator who is taking prescription drugs must get medical advice to determine if he or she can safely operate a machine.

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. For driving on public roads, the machine must be equipped as stipulated by the local regulations authorising operation on public roads in your specific country. 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 or structures 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 Rated Load Capacity of the machine (as indicated on the Load Capacity Charts). 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.
- Wear tight fitting clothing. Always wear safety glasses when doing maintenance or service. Safety glasses, respiratory equipment, hearing protection or windscreen grill are required for some work See your Bobcat dealer about Bobcat Safety Equipment.

SI VH EMEA-1009

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