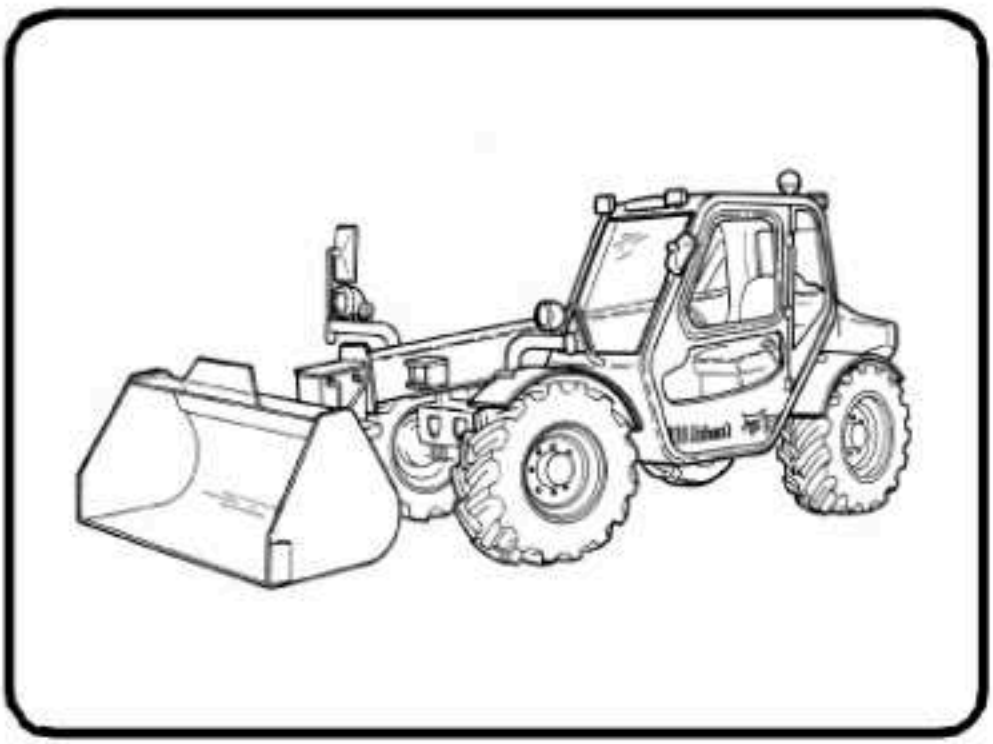
EN

Bobcat®

Operation & Maintenance Manual
T2556-T2566 Telescopic Handler

S/N A8FR13000 & Above
S/N A8G313000 & Above



6989552-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.

Disc 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.

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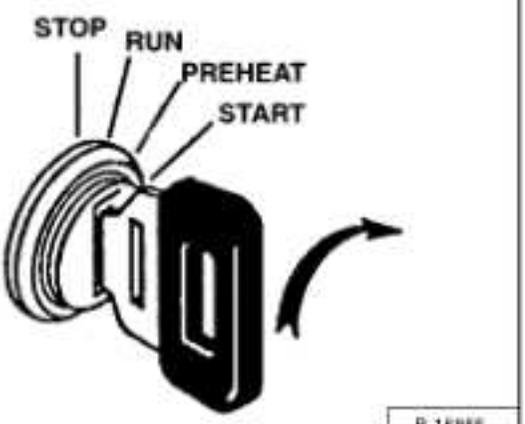
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STARTING THE ENGINE

Perform the *PRE-STARTING PROCEDURE*. (See PRE-STARTING PROCEDURE on Page 63.) (See DAILY INSPECTION on Page 61.) Put the Travel Direction Control Lever in neutral and all other controls in neutral.

Figure 44



Turn the key switch to RUN **[Figure 44]**. The instrument panel lights will come ON.

Turn the key switch to PREHEAT **[Figure 44]**. Hold the key in preheat position for 15 seconds.

NOTE: Do not activate glow plugs for more than 30 seconds or glow plug damage may occur.

Turn the key switch to START and release it when the engine starts. The key will return to the RUN position.

NOTE: Travel Direction Control Lever must be in neutral and the Front Auxiliary Hydraulics Detent Switch (Item 11, [Figure 13 on Page 43]) must be OFF to start the engine.

IMPORTANT

Do not engage the starter for longer than 30 seconds at a time. Longer use can damage the starter by overheating. Cool the starter for one minute between uses.

I-2209-0301

WARNING

AVOID INJURY OR DEATH

- **Engines can have hot parts and hot exhaust gas. Keep flammable material away.**
- **Do not use machines in atmosphere containing explosive gas.**

W-2051-1086

WARNING

AVOID INJURY OR DEATH

When an engine is running in an enclosed area, fresh air must be added to avoid concentration of exhaust fumes. If the engine is stationary, vent the exhaust outside. Exhaust fumes contain odorless, invisible gases which can kill without warning.

W-2050-0807

WARNING

Do not use ether with preheat systems. Explosion can result which can cause injury or death.

W-2391-0301

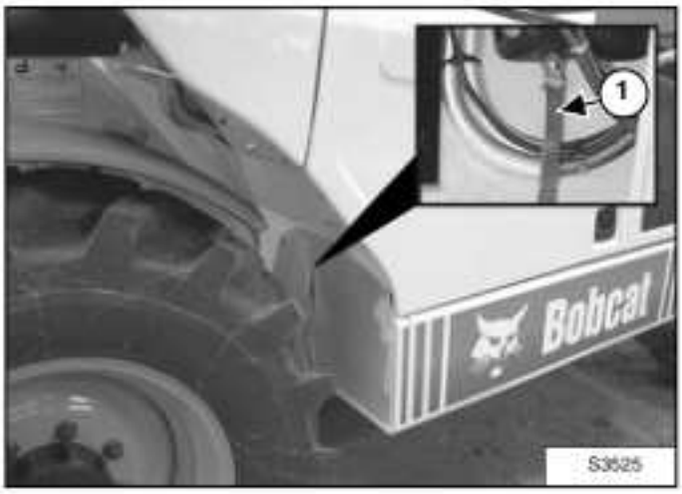
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Removing And Replacing Oil And Filter

See the SERVICE SCHEDULE for the service interval for replacing the engine oil and filter. (See SERVICE SCHEDULE on Page 87.)

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

Figure 95



Remove the access panel at the rear of the engine compartment. Route the hose (Item 1) **[Figure 95]** out through the access hole. Remove the cap.

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

Install cap and put the drain hose into the engine compartment, install the access cover.

⚠ 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-2103-0506

Figure 96



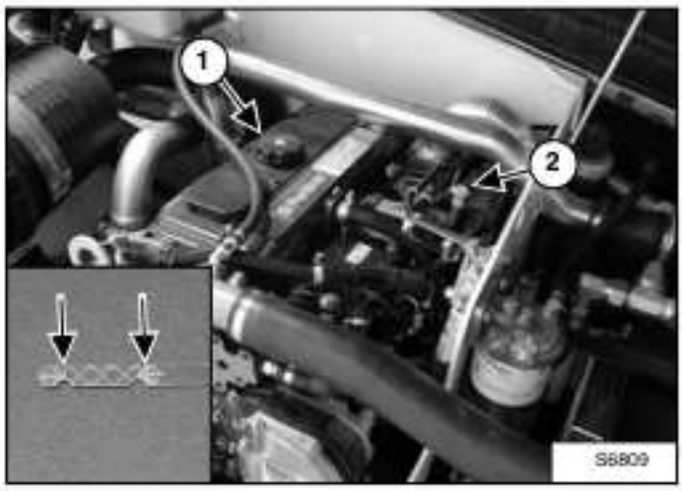
Open the engine cover. (See ENGINE COVER on Page 90.).

Remove the oil filter (Item 1) **[Figure 96]**.

Clean the filter housing surface.

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

Figure 97



Remove the filler cap (Item 1) **[Figure 97]**.

Put oil in the engine. For capacity, see "Fluid capacities" under "SPECIFICATIONS" on page 125. For type, see "Engine Oil Chart" on page 97.

Install 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) **[Figure 97]** and check the oil level. Add oil as needed if it is not at the top mark on the dipstick.

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(T2566) TELESCOPIC HANDLER SPECIFICATIONS (CONT'D)

Performance Specifications

Crowding force	8093 lbf. (3600 daN)
Drawbar pull	8542.5 lbf. (3800 daN)
Ground pressure on tyres	87 PSI (600 kPa)
Rated operation capacity*	5511.5 lb. (2500 kg)
Capacity at max. height	4850 lb. (2200 kg)
Capacity at max. reach	1984 lb. (900 kg)
Push force	-
Tipping load	-
Lifting height	250 in. (6350 mm)
Max. reach	163.5 in. (4150 mm)

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

Weights

Weight (unladen)	11795 lb. (5350 kg)
Front axle weight unladen	4651 lb. (2110 kg)
Rear axle weight unladen	7143 lb. (3240 kg)
Total weight with pallet frame and forks	78551 lb. (5630 kg)
Front axle weight with pallet frame and forks	7143 lb. (3240 kg)
Rear axle weight with pallet frame and forks	5666 lb. (2570 kg)
Total weight with bucket	12809 lb. (5810 kg)
Front axle weight with bucket	7804 lb. (3540 kg)
Rear axle weight with bucket	5004 lb. (2270 kg)

Engine

Make / Model	PERKINS / 1104D-44TA Turbo
Fuel	Diesel
Cooling	Liquid
Rated power (DIN 6271) at 2200 RPM	100 HP (74.5 kW)
Rated speed	2200 RPM
Maximum torque at 1400 RPM	302.4 ft.-lb. (410 Nm)
Number of cylinders	4
Displacement	1.2 Gal. (4.4 L)
Bore	4.13 in. (105 mm)
Stroke	5 in. (127 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 22.)

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 21.)

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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 Front Window Guard are required for some work See your Bobcat dealer about Bobcat Safety Equipment.

SI VH EMEA-1009

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