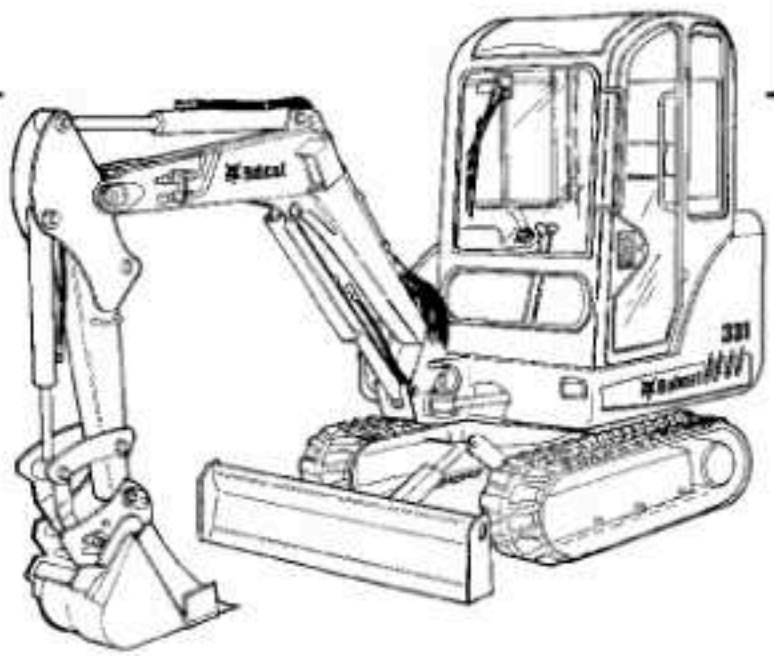
331
331E
334

EN

Bobcat®

Operation
&
Maintenance
Manual

331 - S/N 234311001 & Above
331E - S/N 234411001 & Above
334 - S/N 234511001 & Above
(G Series)



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SPECIFICATIONS SPEC-1

REFERENCE INFORMATION

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

Bobcat Excavator Serial Number _____

Engine Serial Number _____

_____

_____

NOTES _____

_____

_____

_____

_____

YOUR BOBCAT® EXCAVATOR DEALER:

_____

ADDRESS:

_____

PHONE:

_____

Bobcat Company Europe
J. Huysmanslaan 59
B-1651 LOT
Belgium

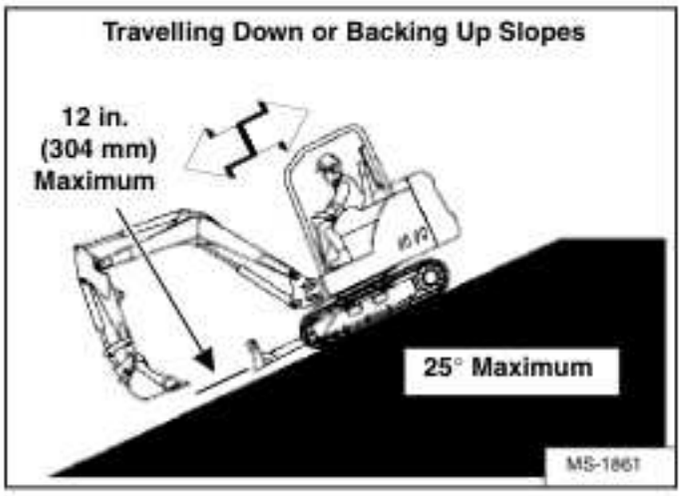
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Operating On Slopes

When going down a slope, control the speed with the steering levers and the speed control lever.

Figure OI-84



When going down slopes that exceed 15 degrees, put the machine in the position shown, and run the engine slowly **[Figure OI-84]**.

Operate as slowly as possible and avoid sudden changes in lever direction.

Avoid travelling over objects such as rocks, trees, stumps, etc.

Stop the machine before moving the upper equipment controls. Never allow the blade to strike a solid object. Damage to the blade or hydraulic cylinder may result.

⚠ WARNING

AVOID INJURY OR DEATH

- **Fasten seat belt, start and operate only from the operator seat.**
- **Never wear loose clothing when working near machine.**

W-2135-1188

Figure OI-85

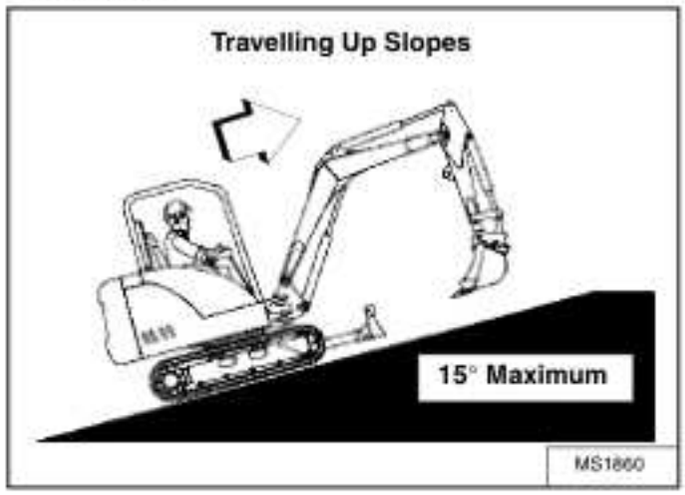
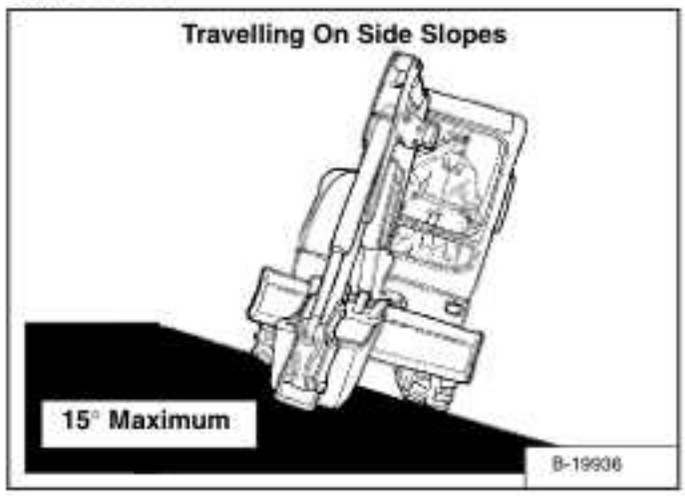


Figure OI-86



When travelling up slopes or on side slopes that are 15 degrees or less, position the machine as shown and run the engine slowly **[Figure OI-85]** & **[Figure OI-86]**.

⚠ WARNING

AVOID INJURY OR DEATH

- **Do not travel across or up slopes which are over 15 degrees to the side or back of machine or 25 degrees to the front. Keep boom centred while travelling.**
- **Keep attachments as low as possible when travelling on slopes or in rough conditions.**

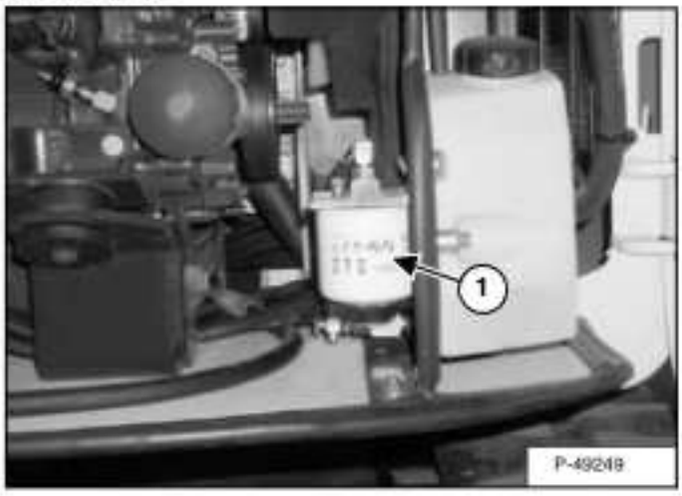
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Fuel Filter

See the SERVICE SCHEDULE (See "SERVICE SCHEDULE" on Page PM-5.) for the service interval when to replace the fuel filter.

Figure PM-16



Remove the filter (Item 1) **[Figure PM-16]**.

Clean the area around the filter housing.

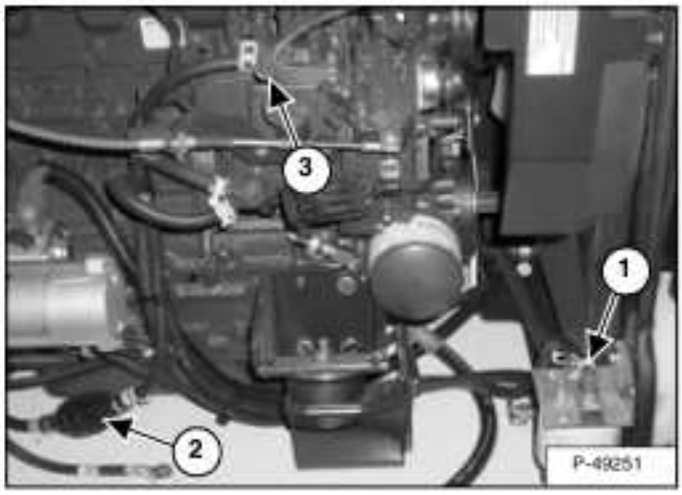
Put oil on the seal of the new filter.

Install the fuel filter, and hand tighten.

Removing Air From The Fuel System

After replacing the fuel filter or when the fuel tank has run out of fuel, air must be removed from the fuel system before starting the engine.

Figure PM-17



Open the fuel filter vent (Item 1) and operate the hand pump (priming bulb) (Item 2) **[Figure PM-17]** until the fuel flows from the vent with no air bubbles.

Close the vent (Item 1) **[Figure PM-17]**.

Start the engine. It may be necessary to open the vent (Item 3) **[Figure PM-17]** (at the fuel injection pump) briefly until the engine runs smoothly.

⚠ WARNING

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 doctor familiar with this injury.

W-2072-0496

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Weights 331 Excavator

Operating weight with ROPS canopy, rubber tracks, counterweight, 610 mm bucket	3273 kg
Additional weight for ROPS cab with heater	119 kg
Additional weight for ROPS cab with HVAC	141 kg
Additional weight for steel tracks	72 kg
Reduction for shipping weight	Not available

Weights 331E Excavator

Operating weight with ROPS canopy, rubber tracks, counterweight, 610 mm bucket	3519 kg
Additional weight for ROPS cab with heater	119 kg
Additional weight for ROPS cab with HVAC	141 kg
Additional weight for steel tracks	72 kg
Reduction for shipping weight	Not available

Weights 334 Excavator

Operating weight with ROPS canopy, rubber tracks, counterweight, 610 mm bucket	3433 kg
Additional weight for ROPS cab with heater	119 kg
Additional weight for ROPS cab with HVAC	141 kg
Additional weight for steel tracks	72 kg
Reduction for shipping weight	Not available

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Before Operating the Bobcat Compact Excavator

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 may 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

WARNING

Warnings on the machine and in the manuals are for your safety. Failure to obey warnings may cause injury or death.

W-2044-1285

The Bobcat Excavator 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 must not use drugs or alcoholic drinks which impair his alertness or co-ordination while working. An operator who is taking prescription drugs must get medical advice to determine if he 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 (transfers).
- Check the rules and regulations at your location. The rules may include your 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.

Know the Work Conditions

- Know the weight of the materials being handled. Avoid exceeding the Rated Lifting Capacity of the machine. 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 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, hearing protection or special applications kit are required for some work. See your dealer about Bobcat Safety equipment.

SI23-1003

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