# 337
# 341

# Bobcat®

# Operation & Maintenance Manual

**337 - S/N 233311001 & Above**
**341 - S/N 233211001 & Above**
**(D Series)**



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**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
P.O. Box 128
Gwinner, ND 58040-0128

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





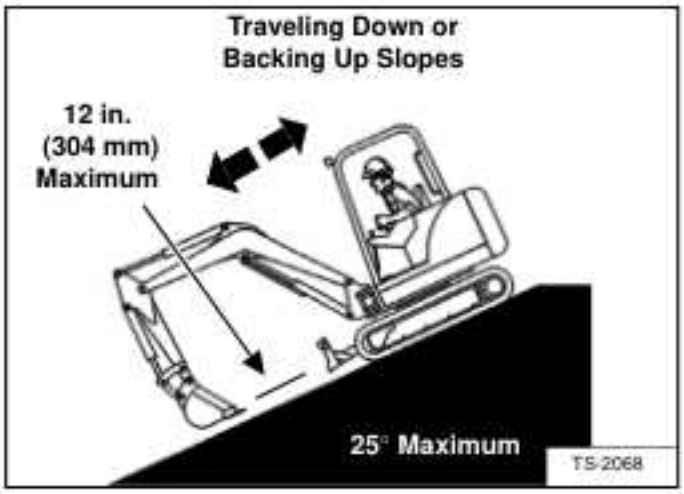


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## Operating On Slopes

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

Figure OI-73



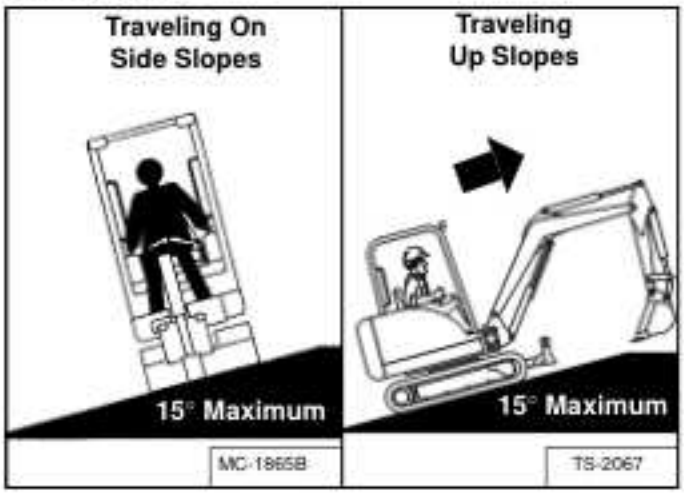

When going down grades that exceed 15 degrees, put the machine in the position shown, and run the engine slowly **[Figure OI-73]**.

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

Avoid traveling 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 can result.

Figure OI-74




When traveling up slopes or on side slopes that are 15 degrees or less, position the machine as shown and run the engine slow **[Figure OI-74]**.

**⚠ WARNING**

**AVOID INJURY OR DEATH**

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

W-2199-0595

**⚠ 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



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**Replacing The Filters (Cont'd)**

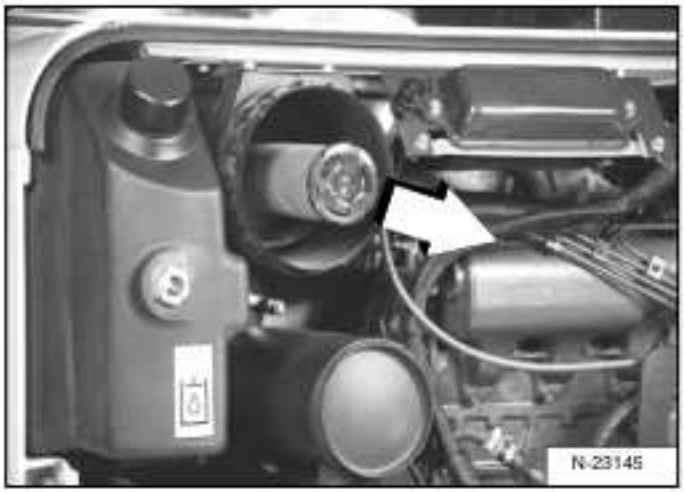
*Inner Filter*

Only replace the inner filter under the following conditions:

- Replace the inner filter every *third* time the outer filter is replaced.
- After the outer filter has been replaced, press the button (Item 3) **[Figure PM-6 on Page 7]** on the top of the condition indicator and start the engine. Run at full RPM, then reduce engine speed and stop the engine. If the red ring shows in the condition indicator, replace the inner filter.
- Remove the dust cup, outer filter and inner filter.

**NOTE: Make sure all sealing surfaces are free of dirt and debris.**

**Figure PM-7**




Install the new inner filter **[Figure PM-7]**.

Install the outer filter and the dust cup **[Figure PM-6 on Page 7]**.

Press the button on the condition indicator to remove the red ring.



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## 341 EXCAVATOR SPECIFICATIONS (CONT'D)

### Performance

| | |
|---|---|
| Operating Weight | w/ Canopy 5198 lbs. (11460 kg)* |
| (w/ 24 inch Bucket) | w/ Cab 5409 lbs. (11570 kg) |
| Travel Speed<br><br>* includes counterweight | Low Range 1.9 MPH (3,06 km/h)<br>High Range 3.2 MPH (5,15 km/h) |

### Engine

| | |
|---|---|
| Make/Model | Kubota V2003-T-EB-MELROE-LS |
| Fuel/Cooling | Diesel/Liquid (Antifreeze mixture) |
| Horsepower (SAE Net) | 53 HP (39,5 kW) @ 2500 RPM) |
| Number Of Cylinders | 4 |
| Lubrication | Pressure System with Filter |
| Air Cleaner | Dry replaceable cartridge, dual element |

### Controls

| | |
|---|---|
| Steering | Two hand levers or foot pedals |
| Hydraulics | Two hand operated levers (joysticks) control boom, bucket, arm and cab swing |
| Auxiliary Hydraulics | Electric switches in joysticks |
| Brakes | |
| Travel | |
| Service & Parking | Hydraulic lock on motor |
| Swing | Spring applied, hyd. released |
| Service | Hydraulic lock on motor |

### Drive System

| | |
|---|---|
| Final Drive | Each track is independently driven by an Axial Piston Motor |
| Type of Reduction | Two-stage planetary gear reduction |

### Hydraulic System

| | |
|---|---|
| Piston Pump | 47 GPM (178 L/m) |
| Auxiliary Flow | 20 GPM (75,7 L/m) |
| System Relief Setting | |
| Implement * Circuit | 3000 PSI (206,8 BAR) |
| Travel Circuit | 3807 PSI (262,5 BAR) |
| Swing Circuit | 2800 PSI (193 BAR) |
| * Boom, Arm, Bucket, Blade, Auxiliary Hydraulics | |

### Electrical

| | |
|---|---|
| Alternator | 12 Volt, 90 Amp, open, negative ground |
| Battery | 12 Volt - 530 CCA @ 0° F (-18°C) |
| **Instrumentation** - Hourmeter, temperature and fuel gauges, audible alarm, and visual warning for engine functions. Optional Keyless start. | |

Fluid Capacities and Type - See "FUEL, COOLANT AND LUBRICANTS" on Page SPEC-11.



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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 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

**WARNING**

**Warnings on the machine and in the manuals are for your safety. Failure to obey warnings can 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 coordination 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, Safety Manual 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 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.
- Service Safety Training Courses are available from your Bobcat dealer. They provide information for safe and correct service procedures.

### Know the Work Conditions

- Know the weight of the materials being handled. Avoid exceeding the Rated Lift 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. Call local utilities or the TOLL FREE phone number found in the *SAFETY INSTRUCTIONS* Section of this manual.
- 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.

SI23-0603



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