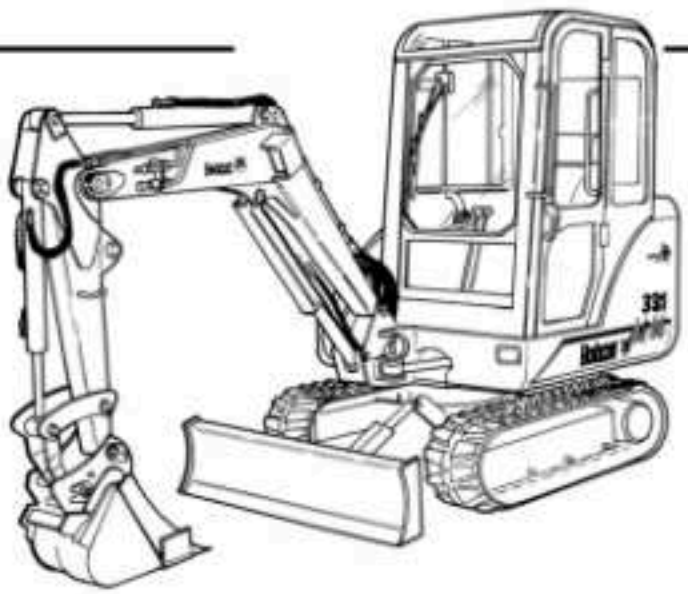
331
331E
334

Bobcat®

Operation & Maintenance Manual

331 - S/N 232511001 & Above
331E - S/N 232711001 & Above
334 - S/N 232611001 & Above
(D Series)



An Ingersoll-Rand business

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

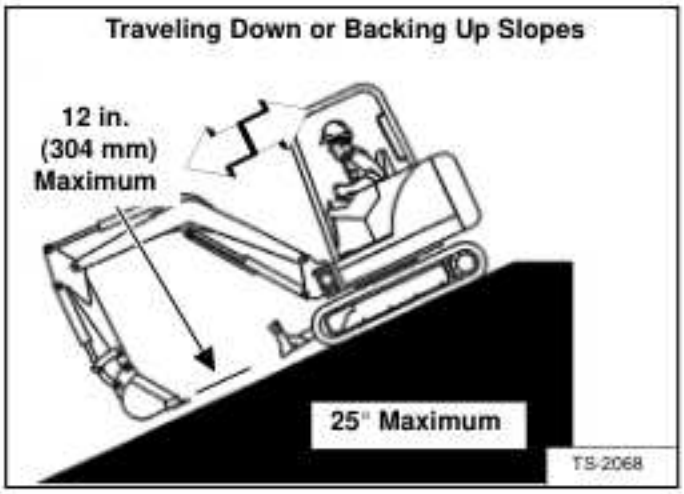
Bobcat Company Europe
J. Huysmanslaan 59
B-1651 LOT
Belgium

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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-80



When going down grades that exceed 15 degrees, put the machine in the position shown, and run the engine slowly **[Figure OI-80]**.

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.

⚠ 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-81

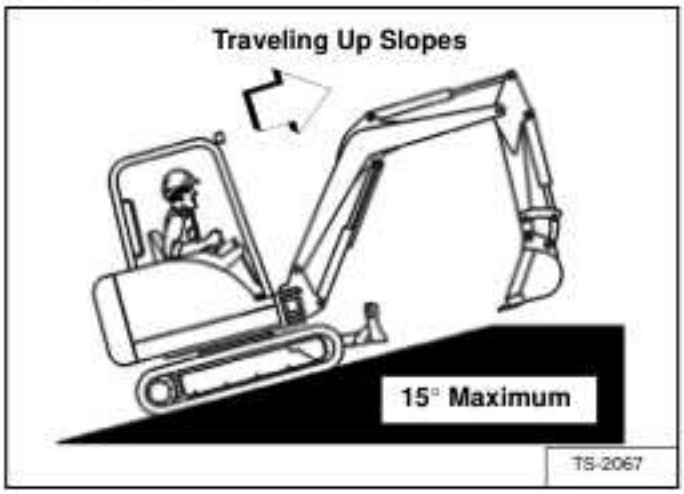
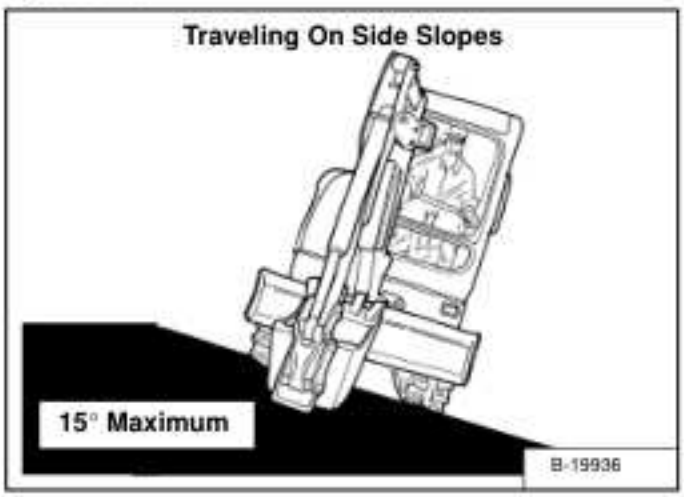


Figure OI-82



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-81]** & **[Figure OI-82]**.

⚠ 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

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HEATER AIR FILTERS (WITH CAB OPTION ONLY)

Figure PM-9

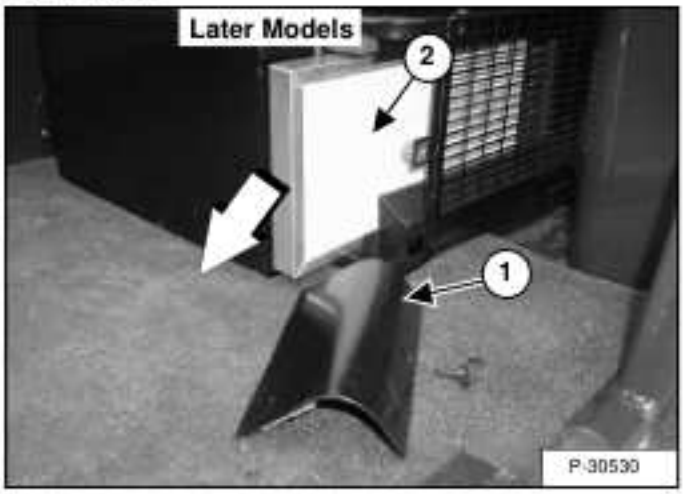
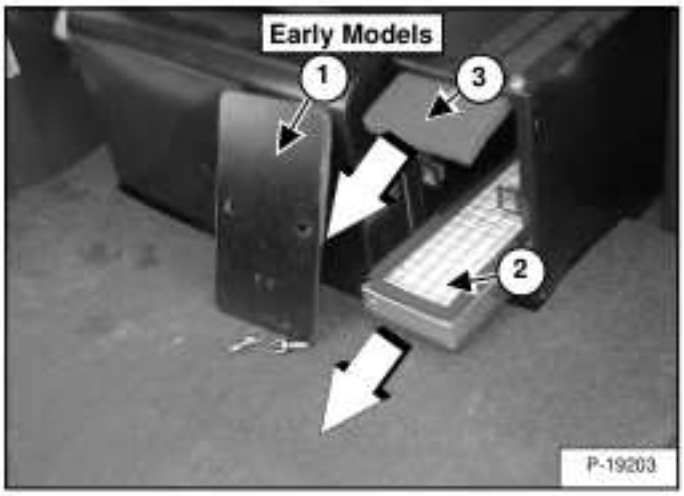


Figure PM-10



The heater filter(s) must be cleaned regularly. The filter (s) are located at the left of the operator seat **[Figure PM-9]** & **[Figure PM-10]**.

Fresh Air Filter

Remove the cover (Item 1) **[Figure PM-9]** & **[Figure PM-10]**.

Remove the filter (Item 2) **[Figure PM-9]** & **[Figure PM-10]**. Use low air pressure to clean the filter; or replace when very dirty.

Install the filter and the cover.

Recirculation Filter (Early Models Only)

Remove the cover (Item 1) **[Figure PM-9]** & **[Figure PM-10]**.

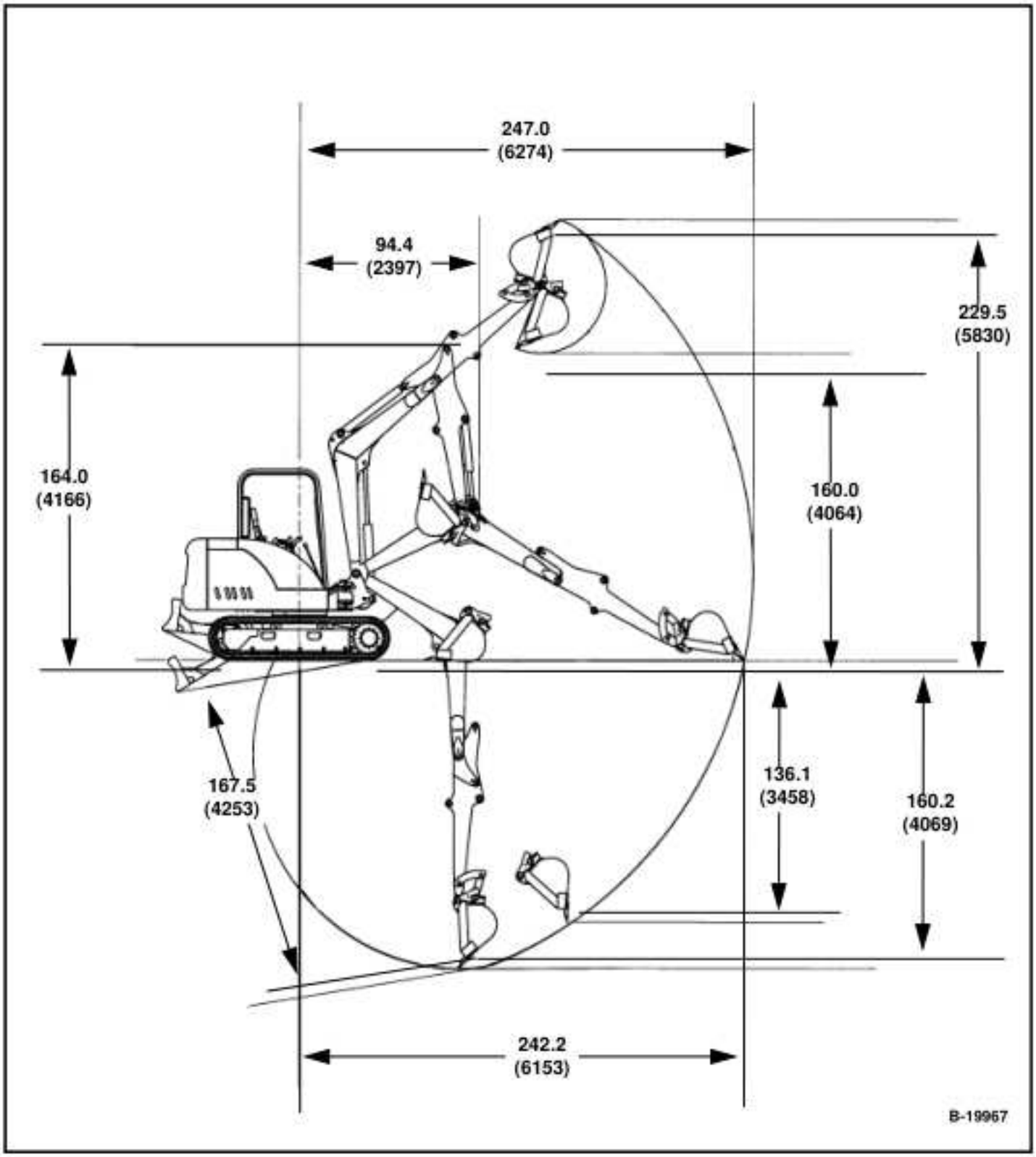
Remove the filter (Item 3) **[Figure PM-9]** & **[Figure PM-10]** and wash the filter with a mild detergent and water.

Install the filter (after dry) and the cover.

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Dimensional Specifications (Cont'd)

- All dimensions are shown in inches. Respective metric dimensions are given in millimeters enclosed by parentheses.
- Where applicable, specification conform to SAE or ISO standards and are subject to change without notice.



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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

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 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.

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 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.
- 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 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, hearing protection or Special Applications Kits are required for some work. See your Bobcat dealer about Bobcat Safety Equipment for your model.

SI EXC-0604

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