EN

444

Excavator

Bobcat

Operation and Maintenance Manual

S/N 5322 11001
& Above



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An Ingersoll Rand business

Printed in Europe

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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	

CE

Bobcat Europe
J. Huysmanslaan 59
B-1651 LOT
Belgium

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FOREWORD

IMPORTANT

This Operation & Maintenance Manual was written to give the owner/operator instructions on the safe operation and maintenance of the Bobcat excavator.

READ AND UNDERSTAND THIS OPERATION & MAINTENANCE MANUAL BEFORE OPERATING YOUR Bobcat excavator. If you have any questions, see your Bobcat dealer.

Read this manual completely and know the Bobcat excavator before operating and servicing it. All references to left or right on the excavator are given in relation to the operator's left or right hand while in the operator's seat.

Bobcat Company is ISO 9001:2000 certified iv

Items needed for regular maintenance iv

Serial number locations v
- Bobcat excavator serial number v
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Operating on slopes

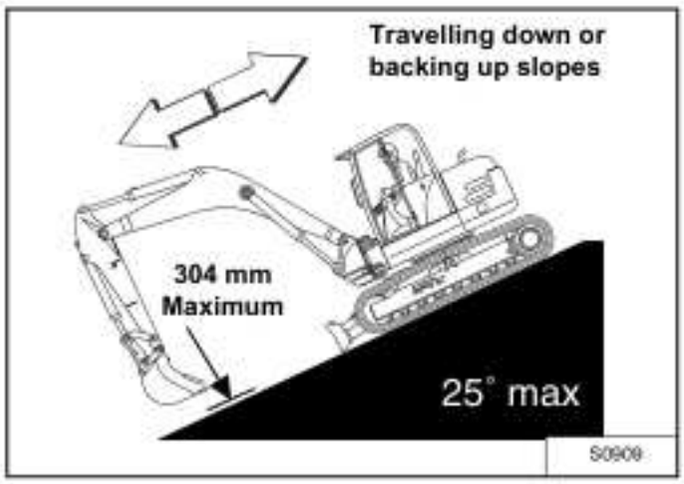
WARNING

AVOID INJURY OR DEATH

- **Do not travel across or up slopes that are over 15 degrees.**
- **Do not travel down or back up slopes that exceed 25 degrees.**
- **Look in the direction of travel.**

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

Figure 93



When going down grades that exceed 15 degrees, put the machine in the position shown, and run the engine slowly **[Figure 93]**.

Operate as slow 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 can result.

WARNING

AVOID INJURY OR DEATH

- **Avoid steep areas or banks that could break away.**
- **Keep boom centred and attachments as low as possible when travelling on slopes or in rough conditions. Look in the direction of travel.**
- **Always fasten seat belt.**

Figure 94

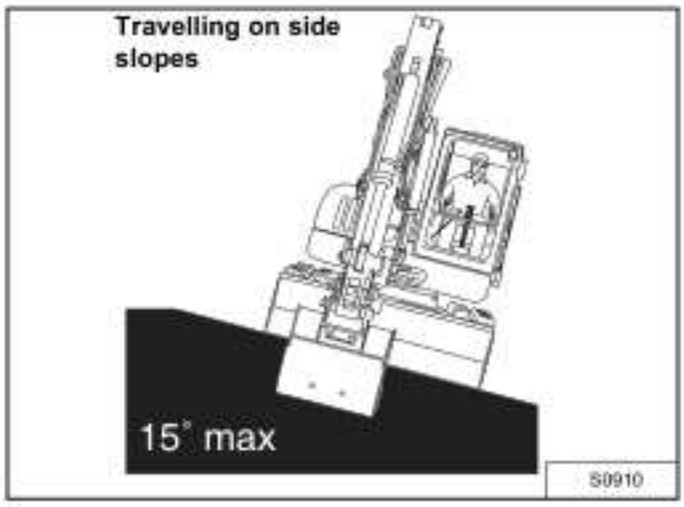
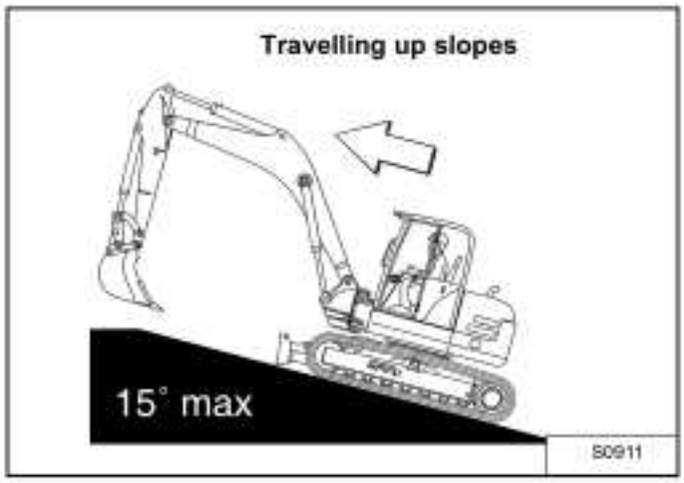


Figure 95



When travelling up slopes or on side slopes that are 15 degrees or less, position the machine as shown and run the engine slow **[Figure 94]** & **[Figure 95]**.

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Inner Filter

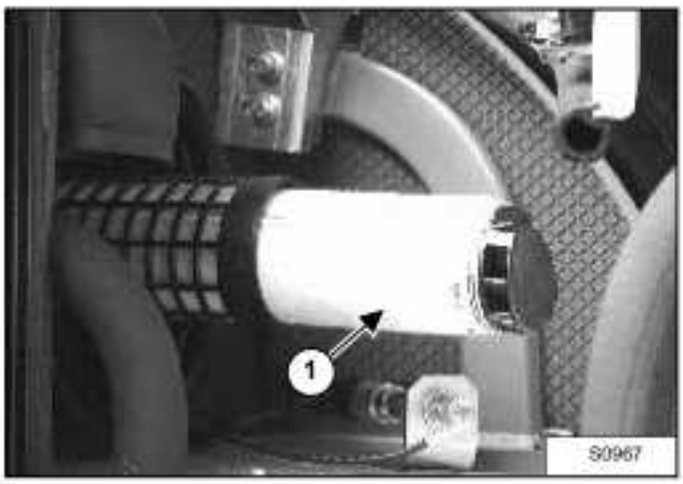
Replace the inner filter every third time the outer filter has been replaced.

Replace the inner filter after the outer filter has been replaced and the air filter indicator is still illuminated.

Remove the air cleaner cover and outer filter.

1. Pry up on the ends of the air filter (1).
2. Pull the air filter (2) out of the housing.
3. Discard the inner air filter after it has been removed.
4. Do not clean or reuse the filter. Make sure all sealing surfaces are free of dirt and debris.

Figure 108



5. Install the new inner filter (1). Install the, outer filter and air cleaner cover.

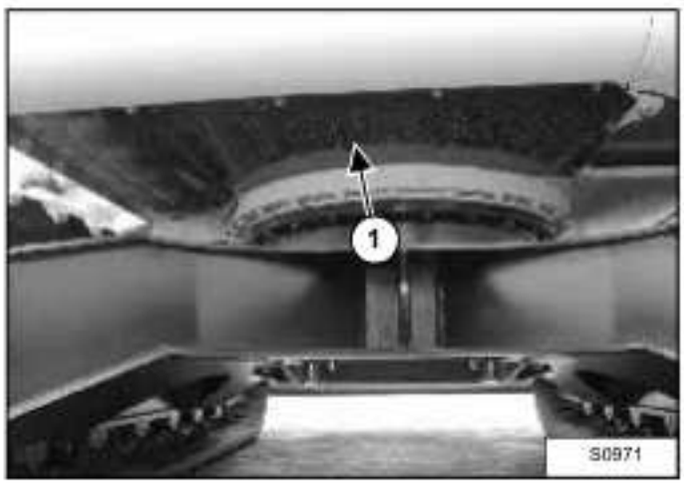
Fresh Air Filter

Figure 109



Position the Excavator as shown **[Figure 109]**.

Figure 110

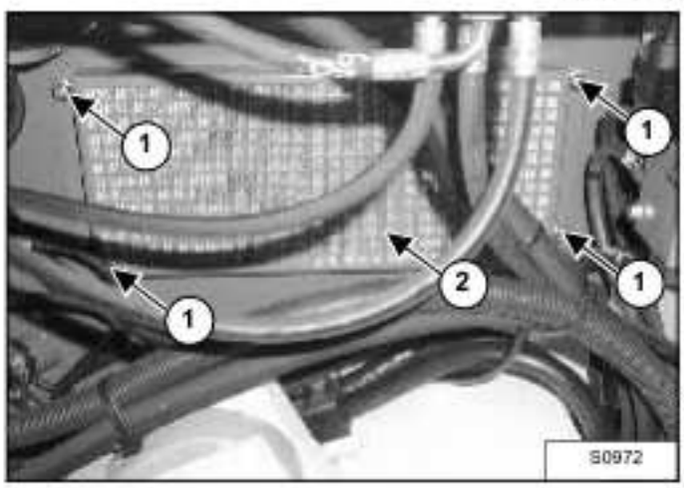


1. Remove the eleven bolts and washers of the cover plate (1) **[Figure 110]**.

***Installation**: Tighten the bolts to 24-26 Nm torque.*

2. Remove the cover (1).

Figure 111



3. Remove the four bolts (1).
4. Remove the filter (2).

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Specifications

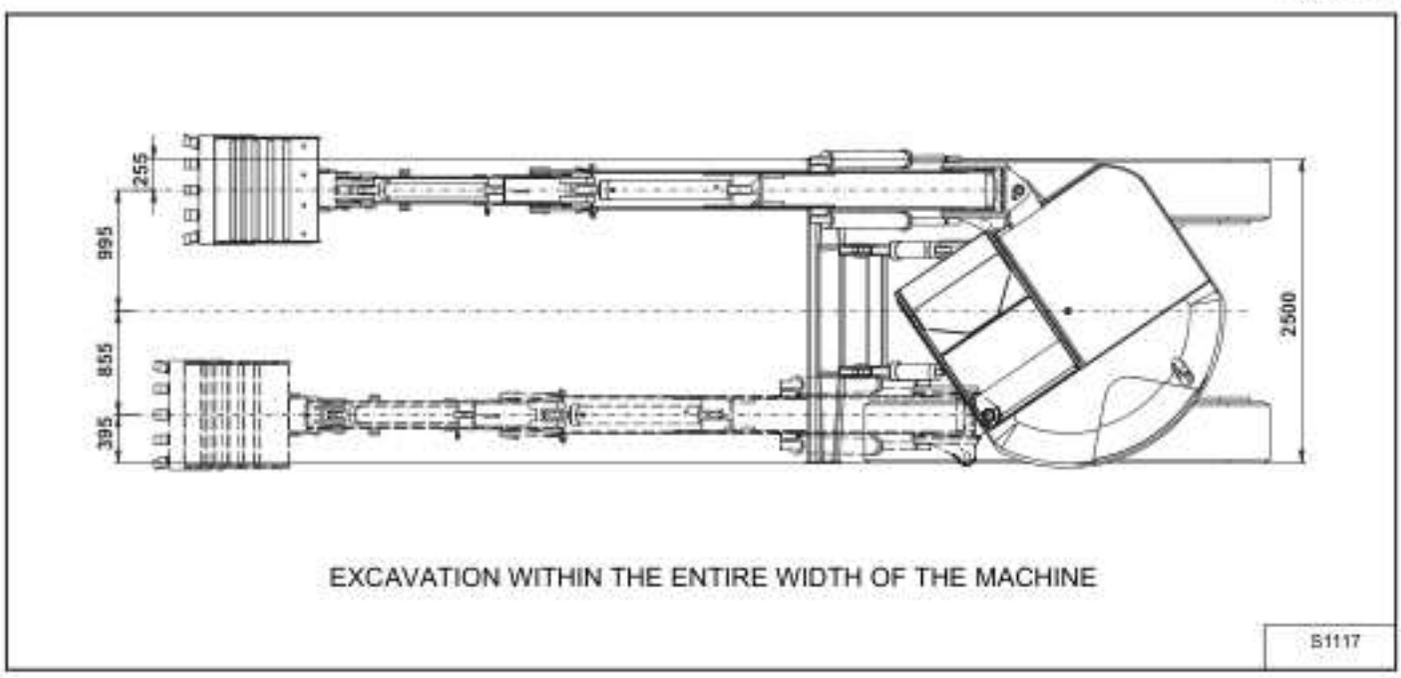
Excavator Machine Dimensions

Blade height	480 mm
Ground clearance	420 mm
Ground line to top of engine cover	1765 mm
Length of track on ground	2628 mm
Machine centre line to blade	1953 mm
Overall length of track assembly	3345 mm
Overall length in travel position	4680 mm
Blade width	2500 mm
Height	2870 mm
Machine centre line to working equipment centre line, left-hand rotation	995 mm
Machine centre line to working equipment centre line, right-hand rotation	855 mm
Minimum turning radius	2620 mm
Swing clearance, rear (zero tail swing)	1370 mm

Note: All dimensions are shown in millimeters. Respective metric dimensions are given in millimeters enclosed by parentheses.

Note: Where applicable, specification conform to SAE or ISO standards and are subject to change without notice.

Figure 203



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