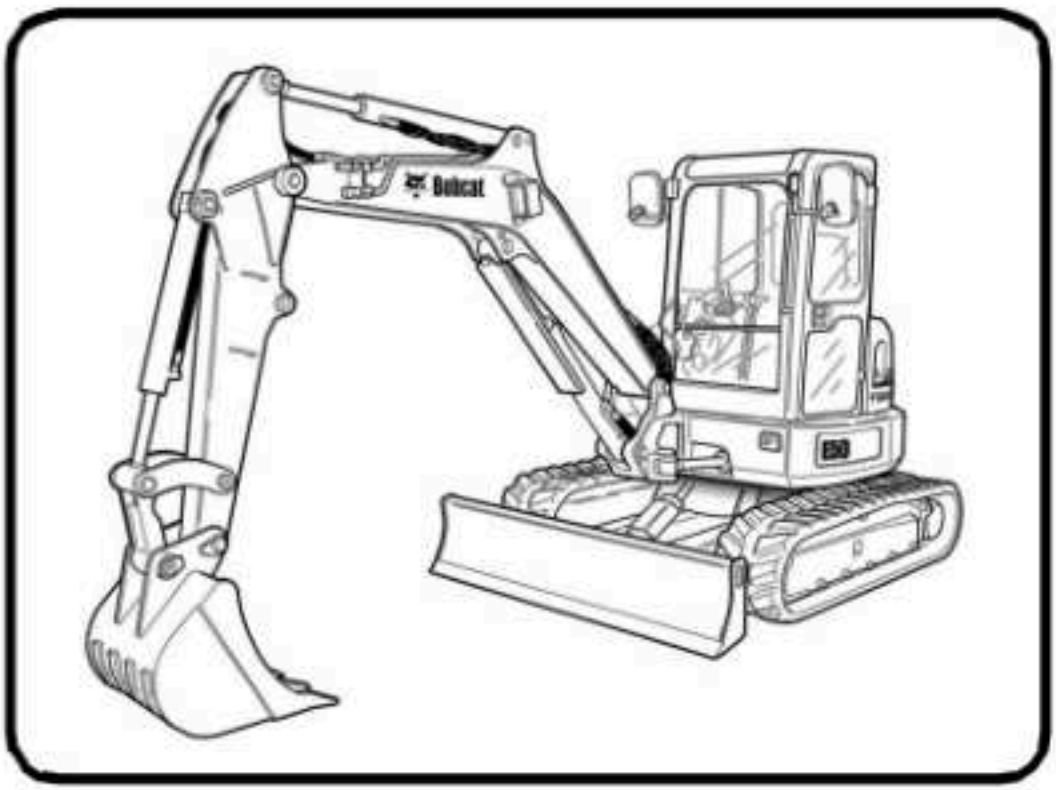
Bobcat

Operation & Maintenance Manual
E50 Compact Excavator

S/N AG3N11001 & Above



6989440 (3-11) Revised (6-11) (2)

Printed in U.S.A.

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REFERENCE INFORMATION

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

Excavator Serial Number _____

Engine Serial Number _____

NOTES:

_____

_____

_____

_____

YOUR BOBCAT DEALER:

_____

ADDRESS:

_____

PHONE:

_____

Bobcat Company
P.O. Box 128
Gwinner, ND 58040-0128
UNITED STATES OF AMERICA

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 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. This manual may illustrate options and accessories not installed on your excavator.

BOBCAT COMPANY IS IS0 9001 CERTIFIED 7

REGULAR MAINTENANCE ITEMS 7

SERIAL NUMBER LOCATIONS 8
- Excavator Serial Number 8
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EXCAVATOR IDENTIFICATION 9

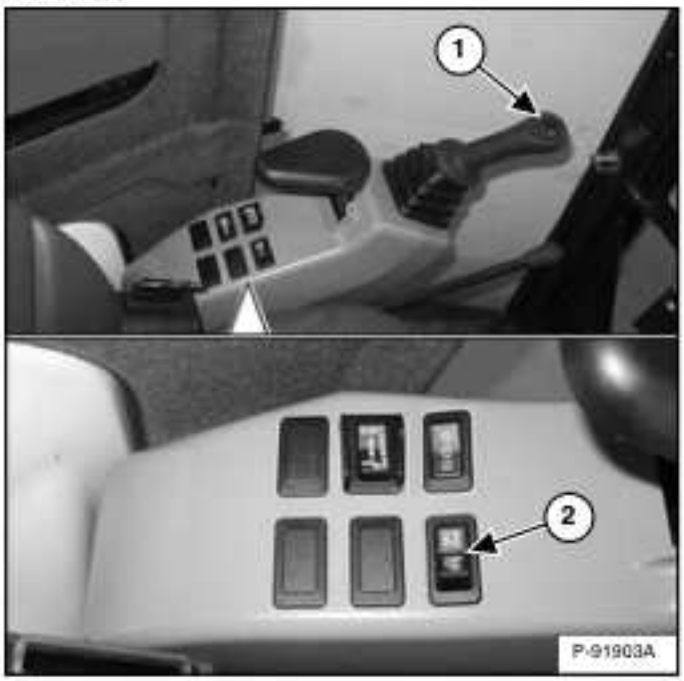
FEATURES, ACCESSORIES AND ATTACHMENTS 10
- Standard Items 10
- Options And Accessories 10
- Attachments 10
- Buckets Available 10
- Falling Object Guards (FOGS) 11
- Special Applications Kit 11
- Special Applications Kit Inspection And Maintenance 11

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BOOM SWING

Operation

Figure 61



The switch (Item 1) **[Figure 61]** on the left control lever (joystick) controls boom swing. Move the switch to the left to swing the boom to the left. Move the switch to the right to swing the boom to the right.

If Equipped With Secondary Auxiliary Hydraulics:

If the machine is equipped with secondary auxiliary hydraulic couplers, the switch (Item 2) **[Figure 61]** is used to select either the boom swing function or the secondary auxiliary hydraulic function.

Move the switch (Item 2) **[Figure 61]** to the left to select boom swing function, move the switch to the right to select secondary auxiliary hydraulic function.

Figure 62



NOTE: The purpose of the boom swing is to offset the boom with respect to the upperstructure for digging close to a structure [Figure 62].

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AIR CLEANER SERVICE (CONT'D)

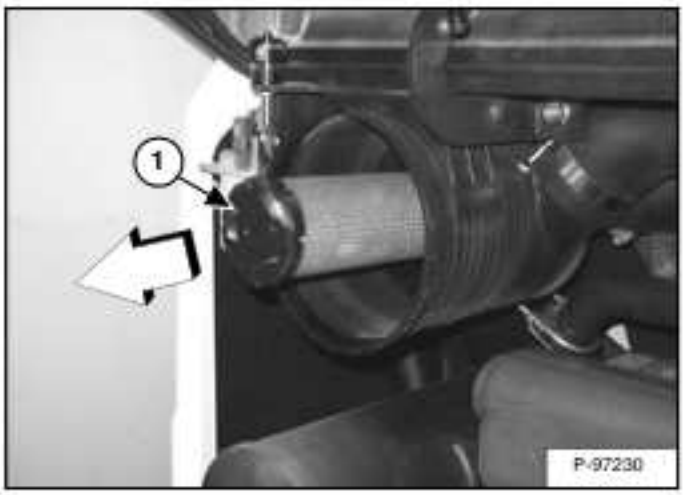
Replacing The Filter Elements (Cont'd)

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 2) **[Figure 164]** on the end of the condition indicator. Start the engine. Run the engine at full RPM, then reduce engine speed. Stop the engine. If the red ring shows in the condition indicator, replace the inner filter.

Figure 168



Remove the dust cup, outer filter and inner filter (Item 1) **[Figure 168]**.

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

Install the new inner filter.

Install the outer filter and the dust cup.

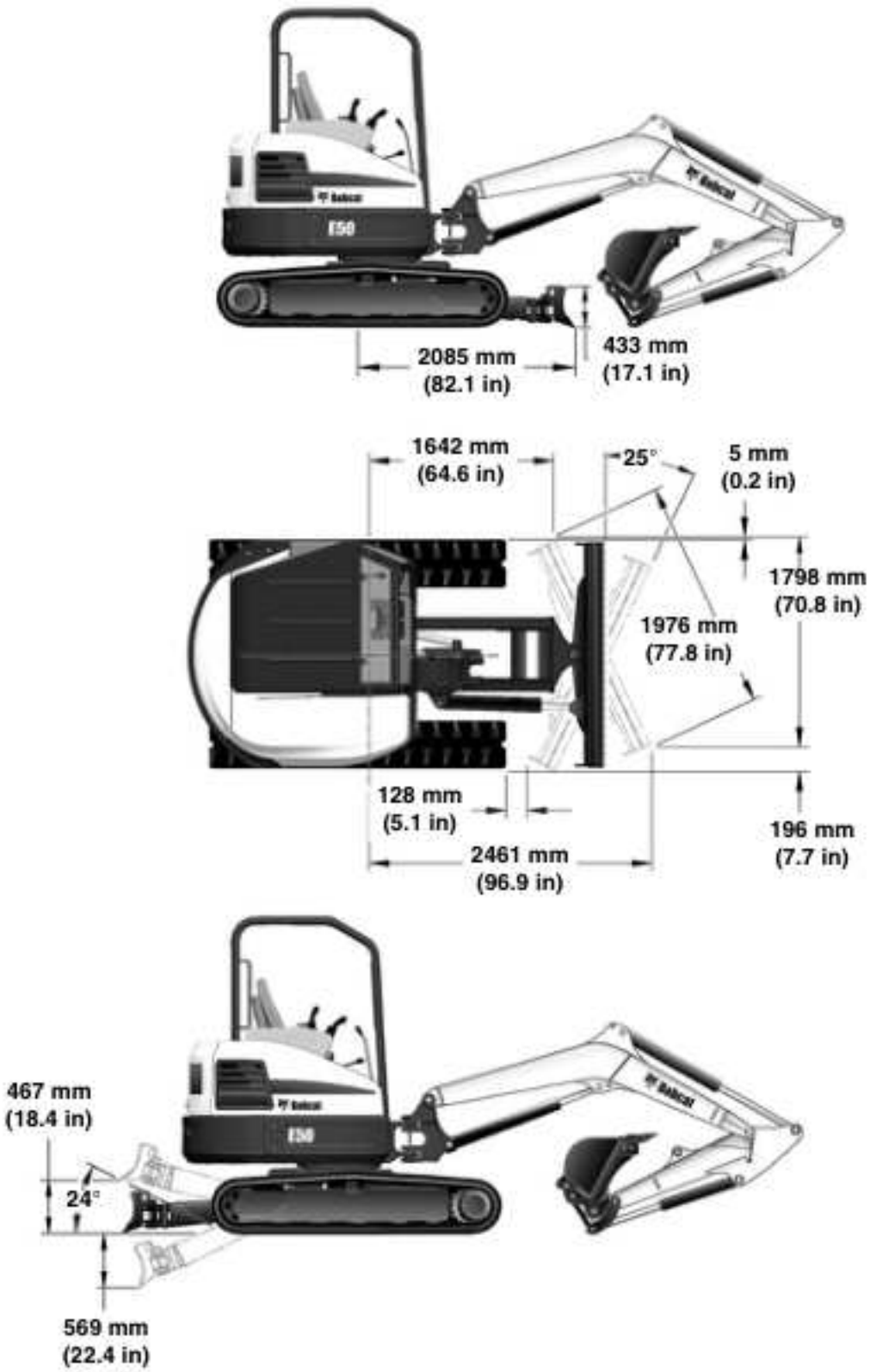
Press the button on the condition indicator to remove the red ring.

Close the tailgate.

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E50 Excavator Machine Dimensions - Angle Blade

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



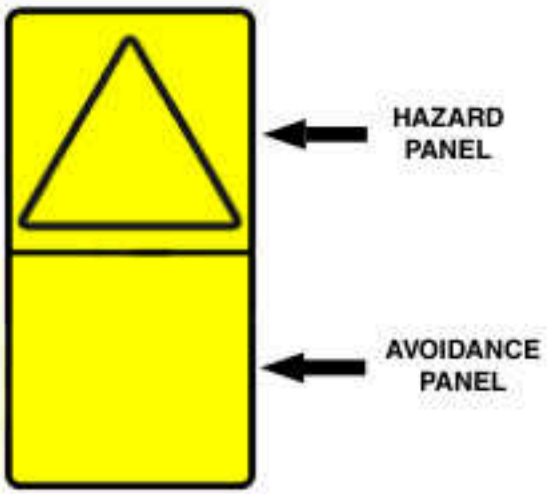
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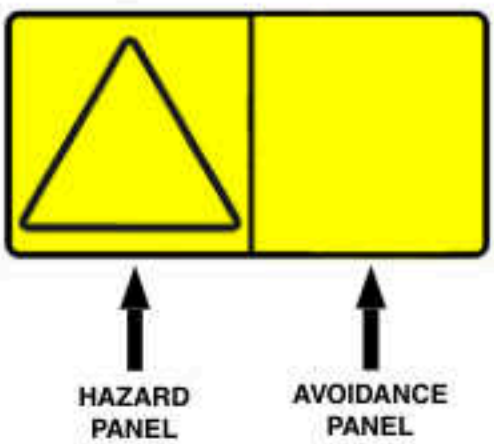
No-Text Safety Signs

Safety signs are used to alert the equipment operator or maintenance person to hazards that may be encountered in the use and maintenance of the equipment. The location and description of the safety signs are detailed in this section. Please become familiarized with all safety signs installed on the excavator.

Vertical Configuration



Horizontal Configuration



The format consists of the hazard panel(s) and the avoidance panel(s):

Hazard panels depict a potential hazard enclosed in a safety alert triangle.

Avoidance panels depict actions required to avoid the hazards.

A safety sign may contain more than one hazard panel and more than one avoidance panel.

NOTE: See the numbered MACHINE SIGNS (DECALS) on Page 20 and MACHINE SIGNS (DECALS) (Cont'd) on Page 21 for the machine location of each corresponding numbered no-text decals as shown below.

1. Thrown Or Flying Objects (7168039)

This safety sign is located on the outside of both tracks.



WARNING

High pressure grease can cause serious injury. Do not loosen grease fitting. Do not loosen bleed fitting more than 1 - 1/2 turns.

Read and understand the Operation & Maintenance Manual for more information.

W-2516-0110

2. Thrown or Flying Objects (7169291)

This safety sign is located on the gas spring in the engine compartment.



WARNING

High pressure gas can cause serious injury or death. Do not open. Opening cylinder can release rod.

W-2523-0106

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