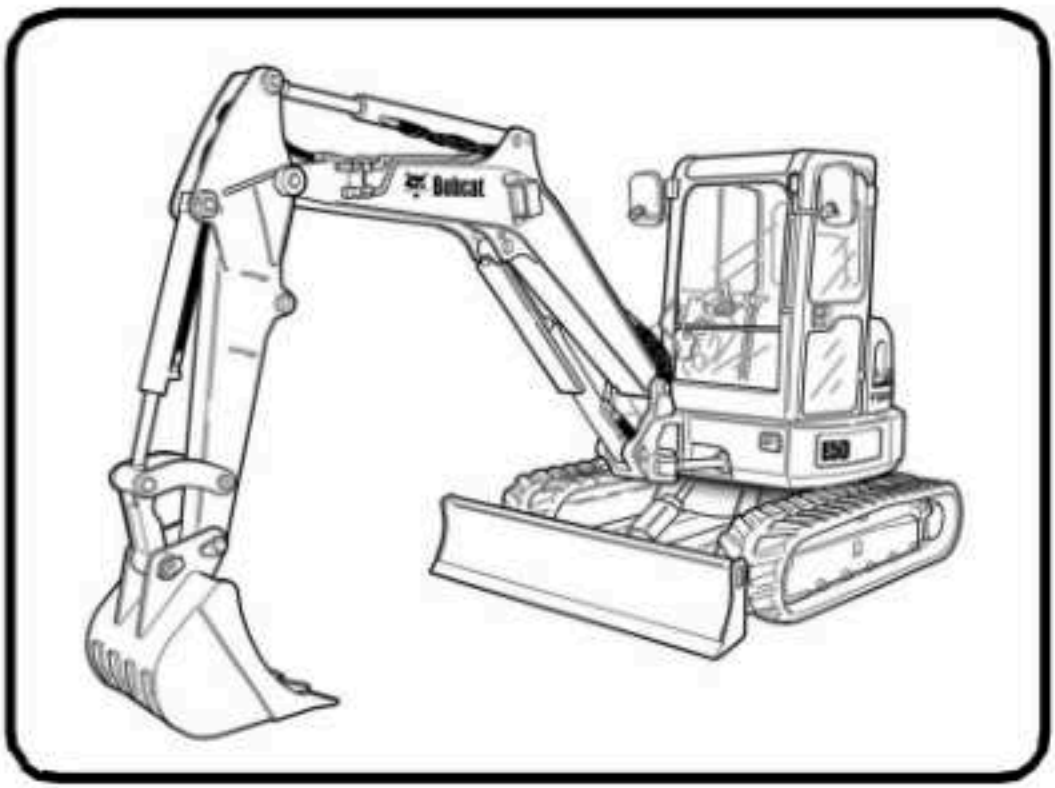
Bobcat

Operation & Maintenance Manual
E50 Compact Excavator

S/N AG3N11001 & Above



6989440 (2-10) Revised (3-11) (1)

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
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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
- Engine Serial Number 8

DELIVERY REPORT 8

EXCAVATOR IDENTIFICATION 9

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- Standard Items 10
- Options And Accessories 10
- Attachments 10
- Buckets Available 10
- Falling Object Guards (FOGS) 11
- Special Applications Kit 11
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Control Console

Figure 76



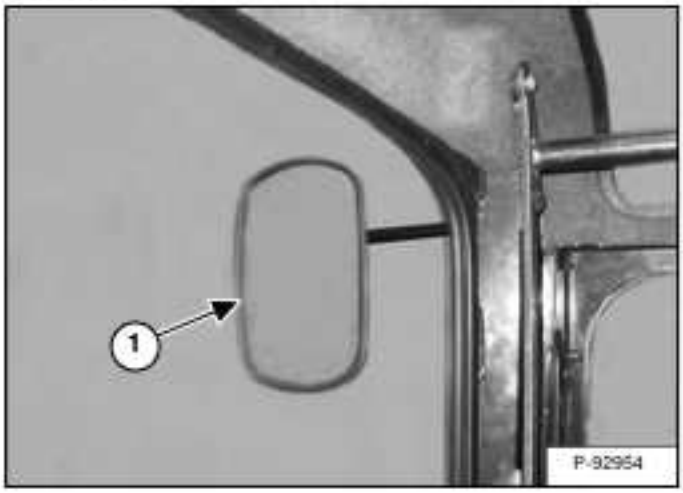
Lower the control console **[Figure 76]**.

NOTE: There is a control lock sensor in the left console which deactivates the hydraulic control levers (joysticks) and the traction drive system when the control console is raised. The console must be in the locked down position for the hydraulic control levers (joysticks) and traction system to operate.

NOTE: If the control lock sensor does not deactivate the control levers and traction system when console is raised, see your Bobcat dealer for service.

Mirror Adjustment (If Equipped)

Figure 77



Adjust mirrors (Item 1) **[Figure 77]** (if equipped).

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LUBRICATION OF THE HYDRAULIC EXCAVATOR

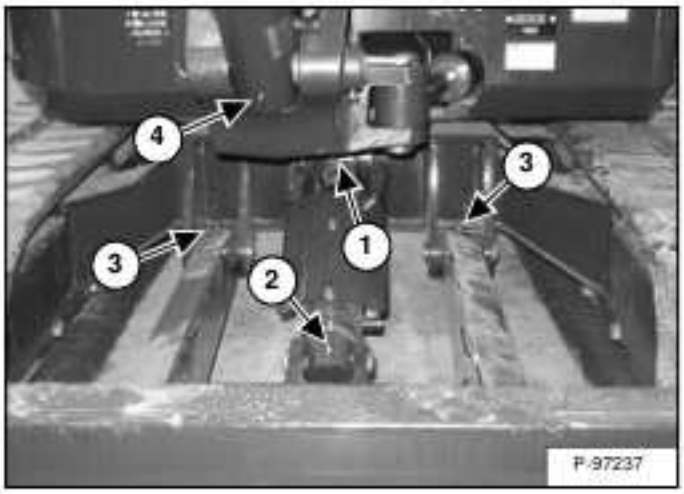
Lubrication Locations

Lubricate the excavator as specified in the SERVICE SCHEDULE for the best performance of the machine. (See SERVICE SCHEDULE on Page 103.)

Always use a good quality lithium based multipurpose grease when lubricating the machine. Apply the lubricant until extra grease shows.

Lubricate the following locations on the excavator EVERY 8 - 10 HOURS:

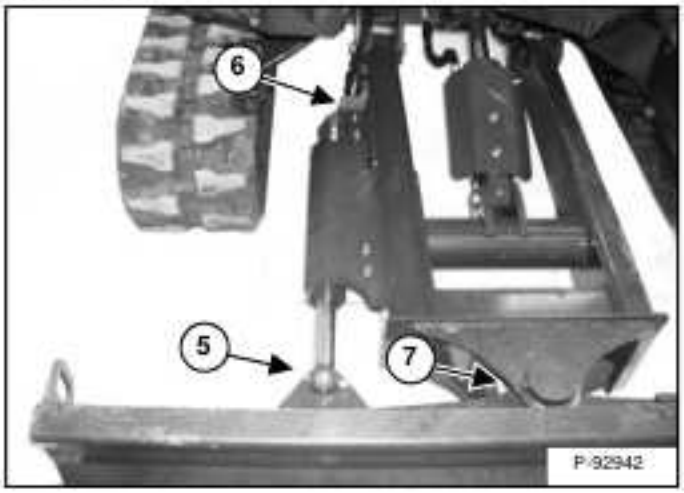
Figure 239



Ref Description (# of Fittings)

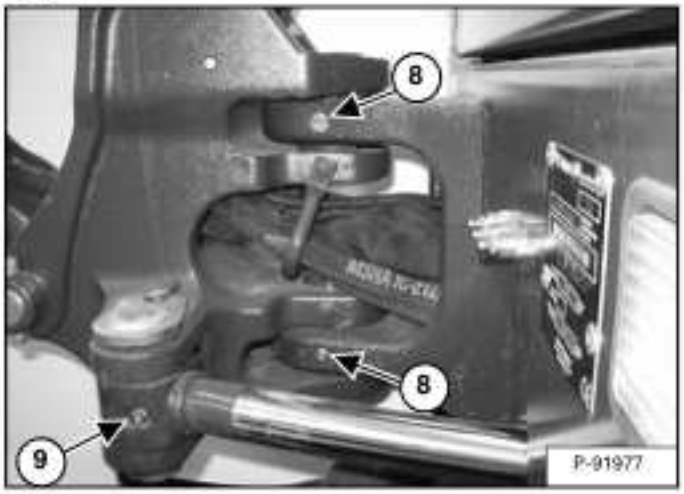
1. Blade Cylinder Rod End (1) **[Figure 239]**
2. Blade Cylinder Base End (1) **[Figure 239]**
3. Blade Pivots (2) **[Figure 239]**
4. Boom Cylinder Base End (1) **[Figure 239]**

Figure 240



5. Angle Blade Cylinder Rod End (1) **[Figure 240]** (If Equipped)
6. Angle Blade Cylinder Base End (1) **[Figure 240]** (If Equipped)
7. Angle Blade Pivot (1) **[Figure 240]** (If Equipped)

Figure 241

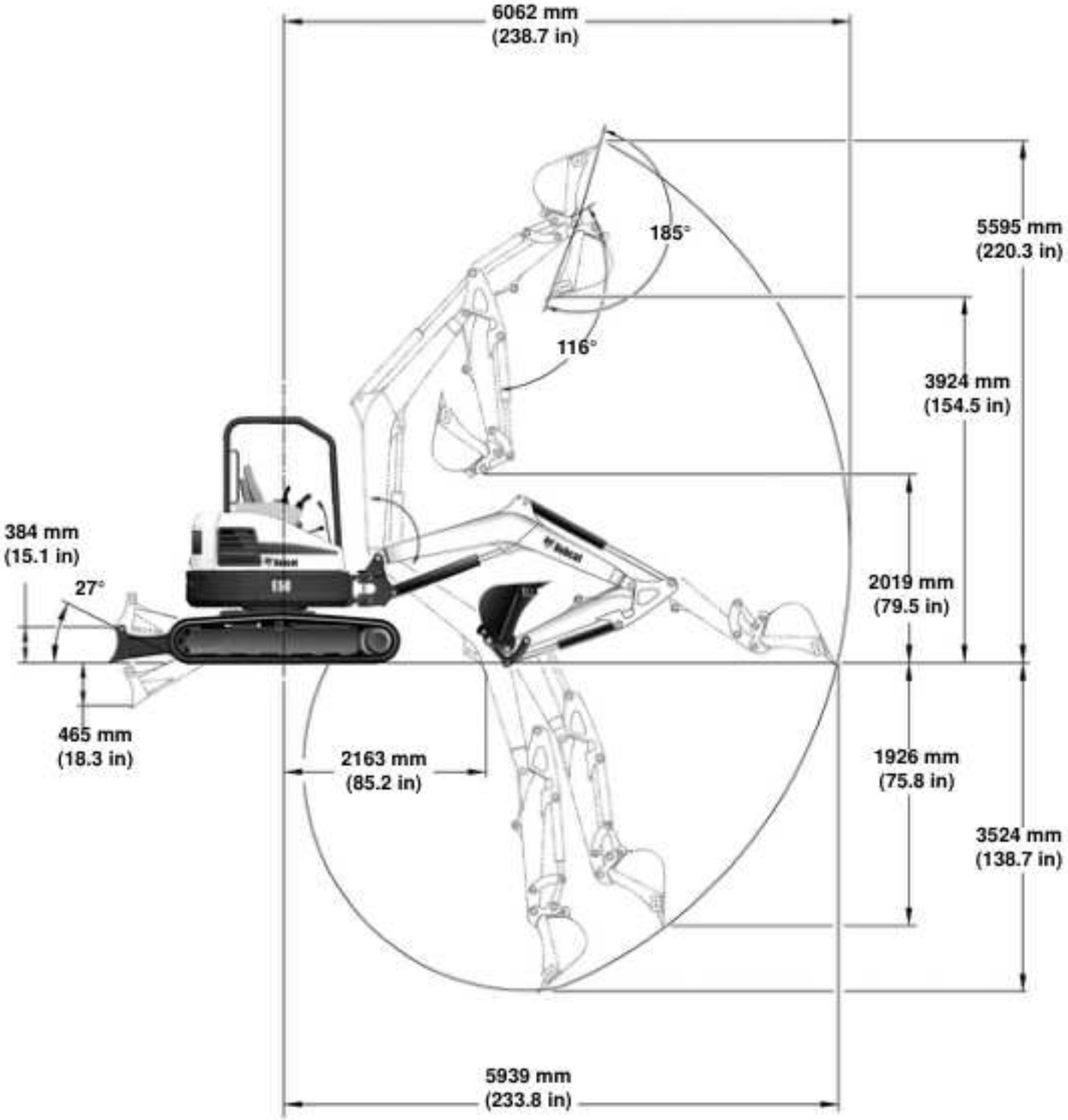


8. Boom Swing Pivot (2) **[Figure 241]**
9. Boom Swing Cylinder Rod End (1) **[Figure 241]**

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E50 Excavator Machine Dimensions - Standard Arm

- 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.



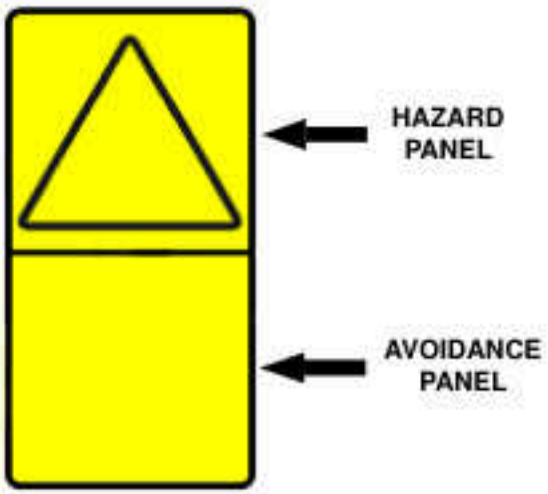
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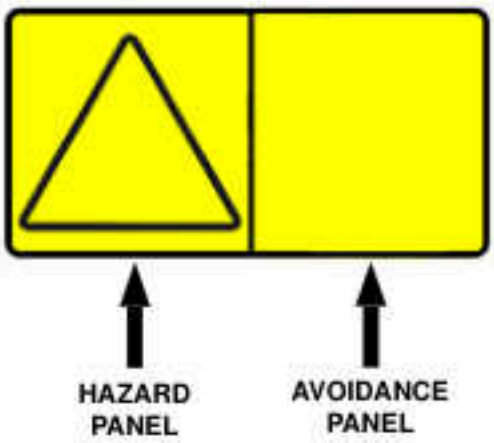
No-Text Safety Signs

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 (7120574)

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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