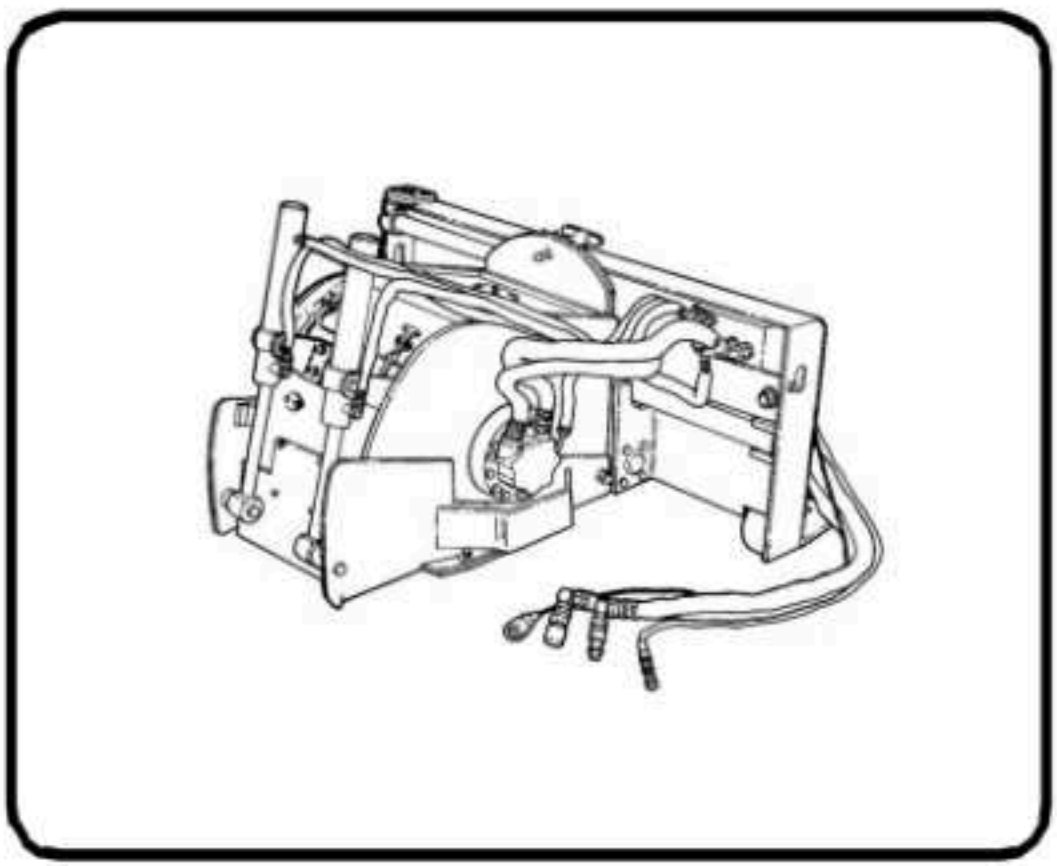
Bobcat®

Operation & Maintenance Manual
Surface Planer

(Surface Planer) S/N 231100101 & Above



6900993 (9-09) Revised (5-11) (5)

Printed in U.S.A.

© Bobcat Company 2011

MidWestTech | Bobcat 16 Inch Surface Planer Operation & Maintenance Manual | Publicati... Order the manual at mid-west-tech.com >

CONTENTS

FOREWORD 3

SAFETY & TRAINING RESOURCES 11

OPERATING INSTRUCTIONS 19

PREVENTIVE MAINTENANCE 47

SPECIFICATIONS 59

WARRANTY 63

ALPHABETICAL INDEX 67

REFERENCE INFORMATION

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

Surface Planer 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

MidWestTech | Bobcat 16 Inch Surface Planer Operation & Maintenance Manual | Publicati... Order the manual at mid-west-tech.com >

FOREWORD

This Operation & Maintenance Manual was written to give the owner / operator instructions on the safe operation and maintenance of the Bobcat surface planer. READ AND UNDERSTAND THIS OPERATION & MAINTENANCE MANUAL BEFORE OPERATING YOUR BOBCAT SURFACE PLANER. If you have any questions, see your Bobcat dealer.

BOBCAT COMPANY IS IS0 9001 CERTIFIED 5

SERIAL NUMBER LOCATION 7
Attachment Serial Number 7

DELIVERY REPORT 7

ATTACHMENT IDENTIFICATION 8

FEATURES AND ACCESORIES 9
Standard Items 9
Options And Accessories 9

MidWestTech | Bobcat 16 Inch Surface Planer Operation & Maintenance Manual | Publicati... Order the manual at mid-west-tech.com >

Entering And Exiting The Loader

⚠ WARNING

AVOID INJURY OR DEATH

When operating the machine:

- **Keep the seat belt fastened snugly.**
- **The seat bar must be lowered.**
- **Keep your feet on the pedal controls or footrests and hands on the controls.**

W-2261-0909

Entering

Figure 13



Use the attachment steps, grab handles and safety treads (on the loader lift arms and frame) to get on and off the loader **[Figure 13]**.

Figure 14



Enter the loader. Fasten the seat belt and adjust it so the buckle is centered between your hips **[Figure 14]**.

Figure 15



Lower the seat bar and engage the parking brake **[Figure 15]**.

Put the foot pedals or hand controls in neutral position.

NOTE: Keep your hands on the steering levers and your feet on the foot pedals (or footrests) while operating the loader.

See the loader's Operation & Maintenance Manual and Operator's Handbook for detailed information on operating the loader.

Exiting

Lower the lift arms and put the attachment flat on the ground.

Stop the engine and engage the parking brake.

Lift the seat bar and make sure the lift and tilt functions are deactivated.

Remove the key.

Exit the loader.

⚠ WARNING

AVOID INJURY OR DEATH

Before you leave the operator's position:

- **Lower the lift arms, put the attachment flat on the ground.**
- **Stop the engine and engage the parking brake.**
- **Move all pedals, handles, joysticks, and other controls until they are LOCKED or in the NEUTRAL position.**

SEE THE MACHINE OPERATION & MAINTENANCE MANUAL FOR MORE INFORMATION.

W-2722-0208

MidWestTech | Bobcat 16 Inch Surface Planer Operation & Maintenance Manual | Publicati... Order the manual at mid-west-tech.com >

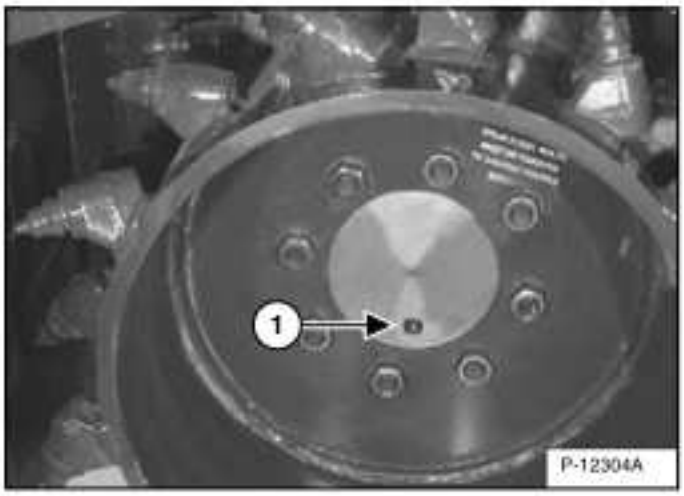
Drive Carrier Oil Change

IMPORTANT

Fluid such as engine oil, hydraulic fluid, coolants, grease, etc. must be disposed of in an environmentally safe manner. Some regulations require that certain spills and leaks on the ground must be cleaned in a specific manner. See local, state and federal regulations for the correct disposal.

I-2067-0499

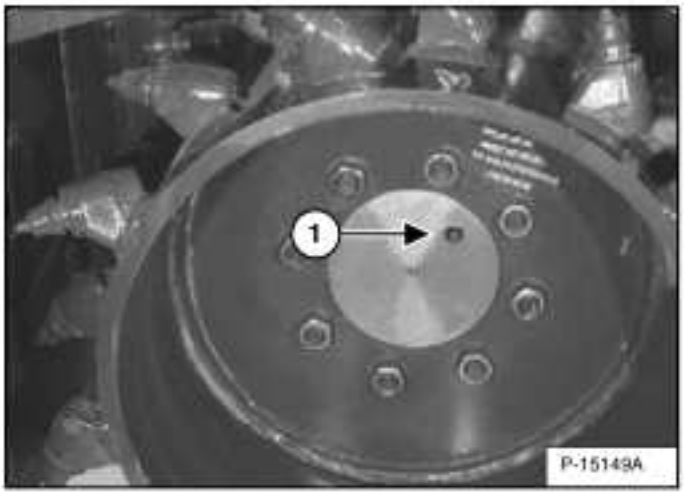
Figure 62



Change the oil after the first 300 hours and every 500 hours there after.

Position the drum with the plug (Item 1) **[Figure 62]** at the 6 o'clock position. Remove the plug and drain the oil into a suitable container.

Figure 63



Rotate the drum so the filler hole (Item 1) **[Figure 63]** is 45° from the 12 o'clock position. Fill the drive carrier with Bobcat Synthetic Gear and Bearing Oil until the oil is at the bottom of the threaded hole.

Drum Carbide Bits Check

Check the bits every three hours of operation.

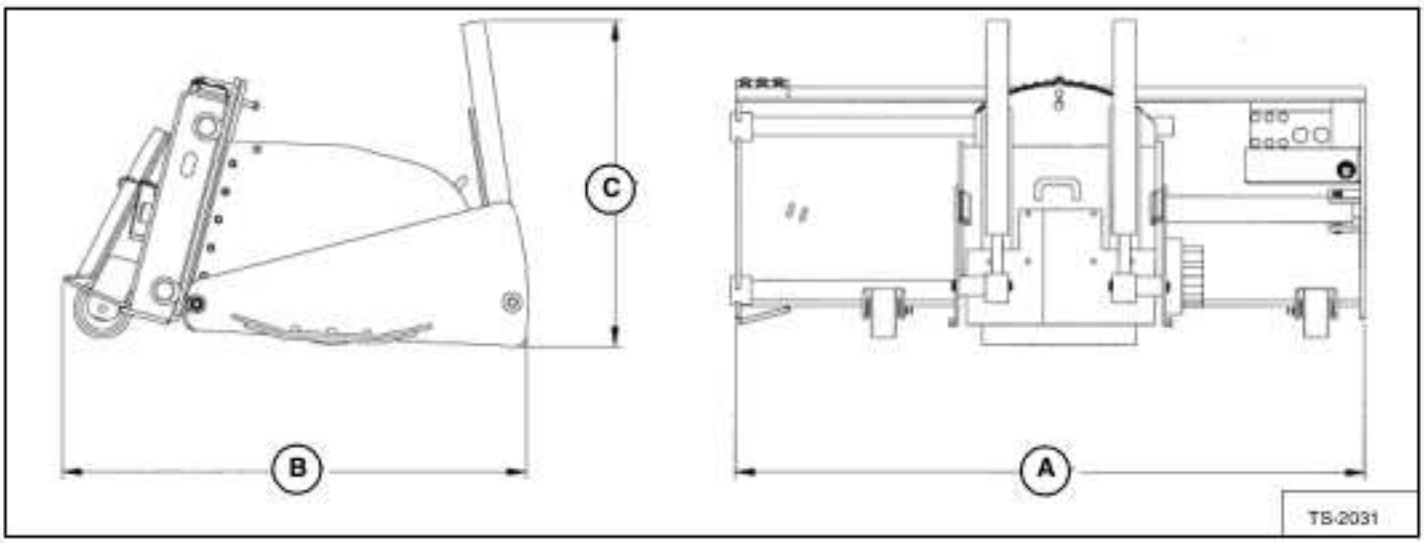
The bits must be free to rotate in their holders. If the bit will not rotate, uneven and rapid wear will result.

MidWestTech | Bobcat 16 Inch Surface Planer Operation & Maintenance Manual | Publicati... Order the manual at mid-west-tech.com >

(SURFACE PLANER) PLANER SPECIFICATIONS

Dimensions

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



DESCRIPTION	16 IN. PLANER
Width (A)	1676 mm (66.0 in)
Length (B)	1245 mm (49.0 in)
Height (C)	711 mm (28.0 in)

Performance

DESCRIPTION	16 IN. PLANER
Attachment Weight (Less Drum)	614 kg (1350 lb)
Side Shift Cylinder Stroke	660 mm (26.0 in)
Drum Cutting Angle	± 15°
Cutting Depth	0 - 152,4 mm (0 - 6 in)
Drum Diameter	451 mm (17.75 in)
Tool Bit Diameter	565 mm (22.25 in)
Planing Distance Next To Curb	1829 mm (72 in)

DESCRIPTION	16 IN. SURFACING DRUM
Number Of Bits	185
Cutting Depth	0 - 152,4 mm (0 - 6 in)
Cutting Width	406 mm (16 in)
Weight	150 kg (330 lb)

MidWestTech | Bobcat 16 Inch Surface Planer Operation & Maintenance Manual | Publicati... Order the manual at mid-west-tech.com >

SAFETY INSTRUCTIONS

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 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

DANGER

The signal word DANGER on the machine and in the manuals indicates a hazardous situation which, if not avoided, will result in death or serious injury.

D-1002-1107

WARNING

The signal word WARNING on the machine and in the manuals indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

W-2044-1107

The Bobcat machine 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 and the attachment.

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.

Know the Work Conditions

- Know the weight of the materials being handled. Avoid exceeding the machine load capacities. 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 *Call Before You Dig* section of this manual.
- Wear tight fitting clothing. Always wear safety glasses when doing maintenance or service. Safety glasses, respiratory equipment, hearing protection, Special Applications Kits or a Front Window Guard are required for some work. See your Bobcat dealer about Bobcat safety equipment for your machine.

SI ATT-0511

MidWestTech | Bobcat 16 Inch Surface Planer Operation & Maintenance Manual | Publicati... Order the manual at mid-west-tech.com >