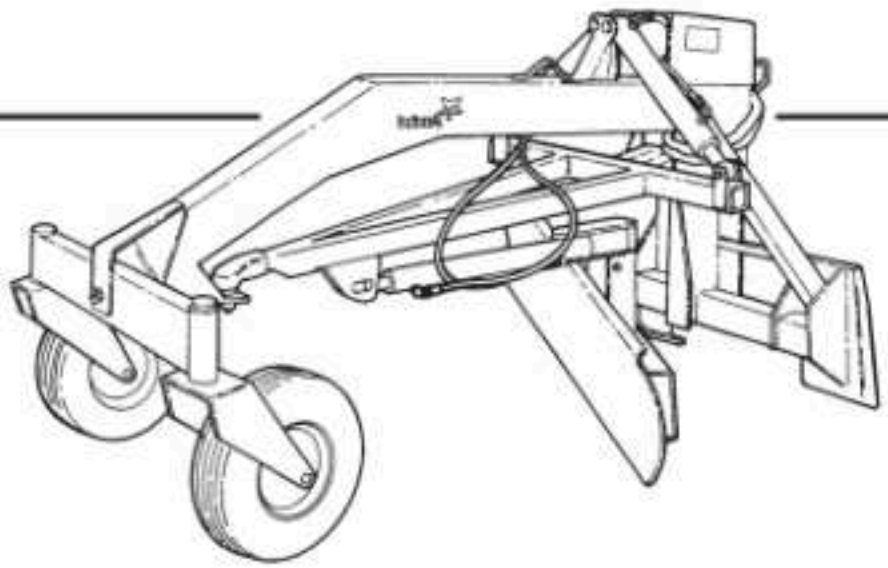
GRADER
Including
Scarifier

Bobcat®

Operation & Maintenance Manual

S/N 802700872 & Above
S/N 231511101 & Above



Bobcat

6724889 (3–98) Revised (6–00)

Printed in U.S.A.

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CONTENTS

FOREWORD iii
SAFETY vii
OPERATING INSTRUCTIONS 1
GRADER MAINTENANCE 19
SPECIFICATIONS 27

CALIFORNIA
PROPOSITION 65 WARNING
Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects and other reproductive harm.

REFERENCE INFORMATION

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

Grader Serial Number ..... _____

_____

_____

_____

NOTES: _____

_____

_____

_____

_____

_____

_____

_____

YOUR LOADER 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 THE GRADER
Auxiliary Hydraulic Controls

Auxiliary Hydraulics

The auxiliary hydraulics must be activated prior to grader operation.

With the operator in the operators seat of the loader, the seat belt fastened and the seat bar lowered, start the engine.

Early Models:

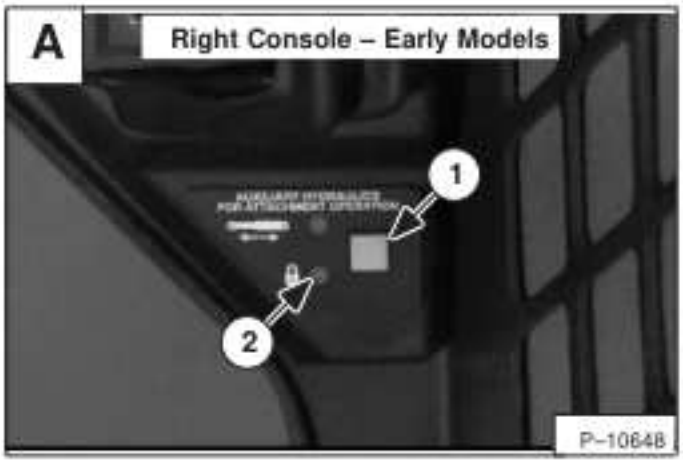
To activate the front auxiliary hydraulics, press the auxiliary hydraulic switch (Item 1) **[A]** once. Light (Item 2) **[A]** will be illuminated.

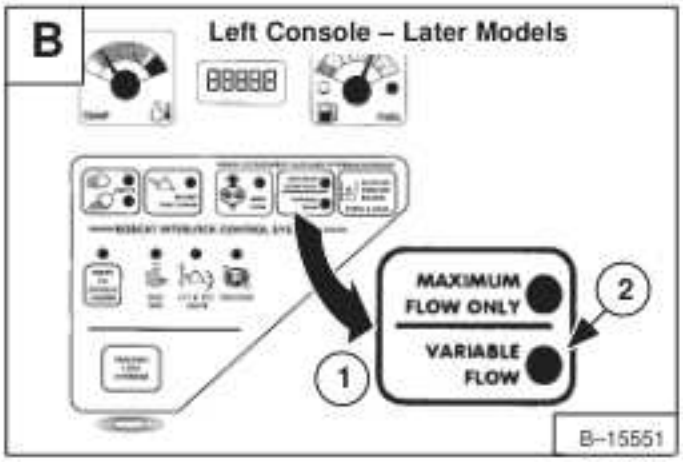
Press the switch (Item 1) **[A]** two more times to disengage the front auxiliaries.

Later Models

To activate the front auxiliary hydraulics, press the auxiliary hydraulic switch (Item 1) **[B]** once. The light (Item 2) **[B]** will be illuminated.

Press the switch (Item 1) **[B]** two more times to disengage the front auxiliaries.

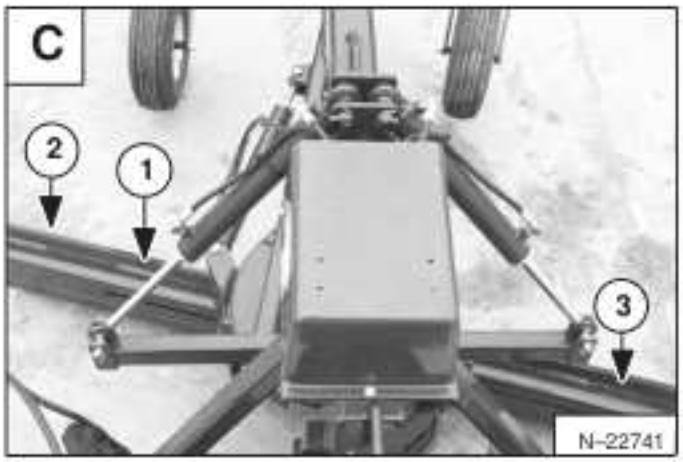




Moldboard Rotation

To rotate the moldboard (Item 1) **[C]** clockwise, press the switch (Item 1) **[D]** to the right.

To rotate the moldboard (Item 1) **[C]** counterclockwise, press the switch (Item 1) **[D]** to the left.



Raise And Lower Moldboard

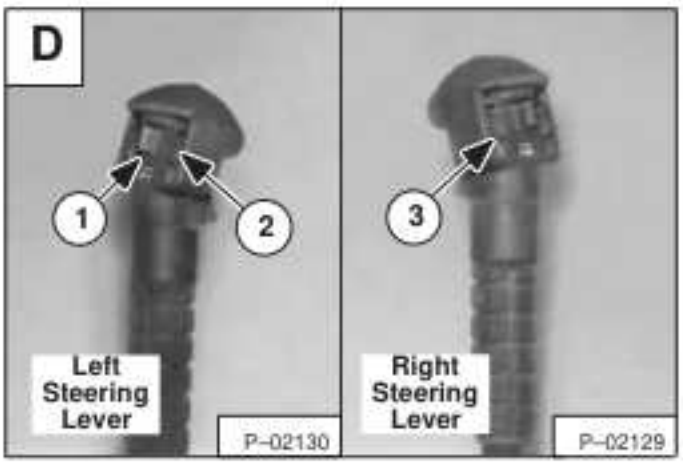
To raise the left side moldboard (Item 2) **[C]**, push the switch (Item 2) **[D]** up.

To lower the left side moldboard (Item 2) **[C]**, push the switch (Item 2) **[D]** down.

To raise the right side moldboard (Item 3) **[C]**, push the switch (Item 3) **[D]** up.

To lower the right side moldboard (Item 3) **[C]**, push the switch (Item 3) **[D]** down.

(See Page 14 for additional information for G Series loaders.)



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GRADER LUBRICATION

Procedure

Lubricate the grader with a multi–purpose lithium base grease. Apply the lubricant until the extra grease shows.

Add lubricant to the following grease fittings **EVERY 8 – 10 HOURS:**

NOTE: Cylinders need no lubrication.

Turntable Pivot
2 fittings (Item 1) **[A]** & (Item 1) **[D]**.

Turntable Plate
2 fittings (Item 2) **[A]**. (Early models only.)

Vertical Slide
1 fitting (Item 3) **[A]**.

Caster Wheel Spindle Bearings (both sides)
1 fitting (Item 1) **[B]**. (Early models only.)

Wheel Bearings (both sides)
1 fitting (Item 2) **[B]**.

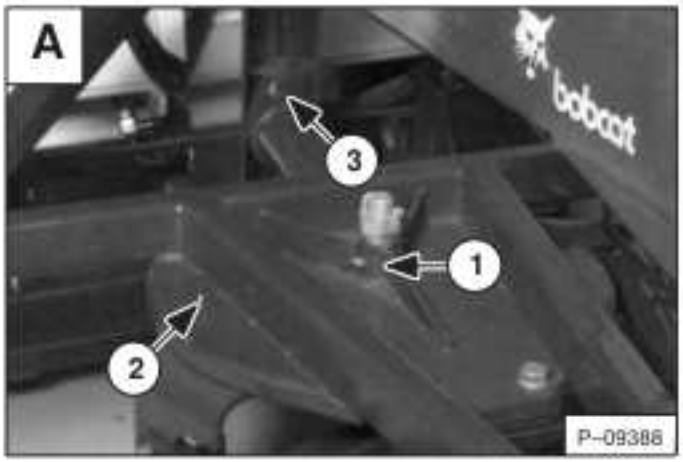
Bolster Bolt
1 fitting (Item 1) **[C]**.

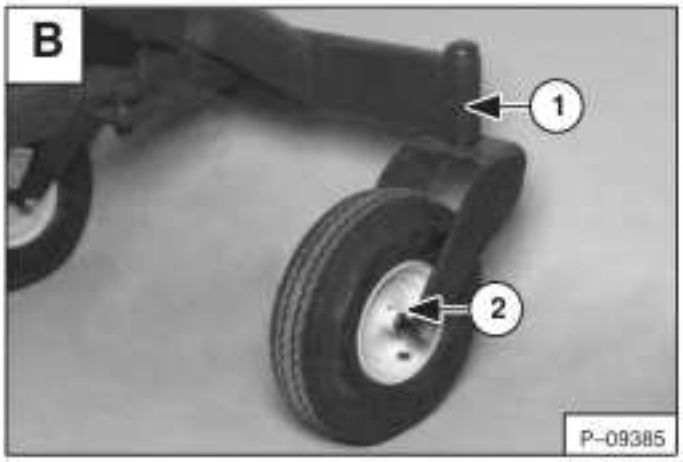
Turntable Clamp
1 fitting (Item 2) **[D]**.

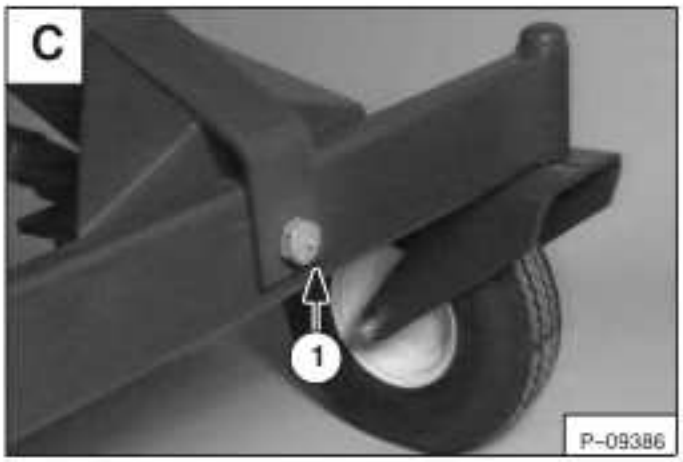
Check the clearance (Item 3) **[D]** between the bottom of the turntable and turntable clamp.

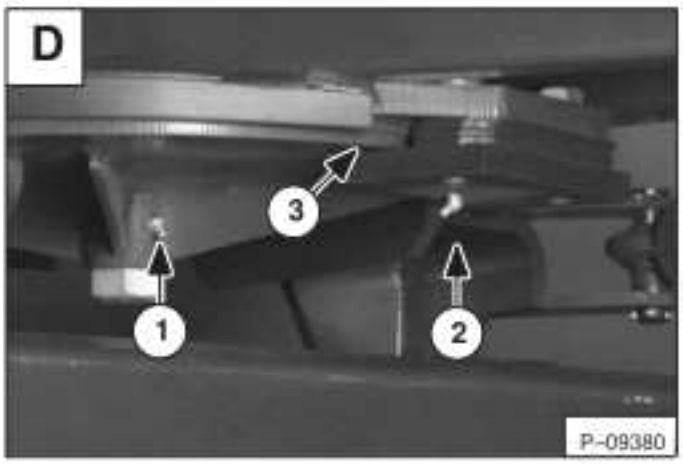
If the clearance is over 1/32 inch (0.8 mm), remove the two bolts and clamp.

Remove or add the shim(s) as needed. Replace the clamp and tighten the bolts.









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SAFETY INSTRUCTIONS

SAFETY 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.

The Bobcat product and attachment are designed to give maximum safety; but no machine design can prevent operator error or carelessness.

The Bobcat product 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.

⚠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

SAFE OPERATION NEEDS A QUALIFIED OPERATOR *

A QUALIFIED OPERATOR MUST DO THE FOLLOWING:

- **UNDERSTAND THE WRITTEN INSTRUCTIONS, RULES AND REGULATIONS**
  - The written instructions from Bobcat 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 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 Operating 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 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 *SAFETY INSTRUCTIONS* Section of this manual.
  - Wear tight fitting clothing. Always wear safety glasses when doing maintenance or service. Safety glasses, hearing protection or special applications kit are required for some work. See your dealer about Bobcat Safety equipment.

* For an operator be qualified, he must not use drugs or alcoholic drinks which impair his alertness or coordination while working. An operator who is taking prescription drugs must get medical advice to determine if he can safely operate a machine.

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