TREE VIBRATOR

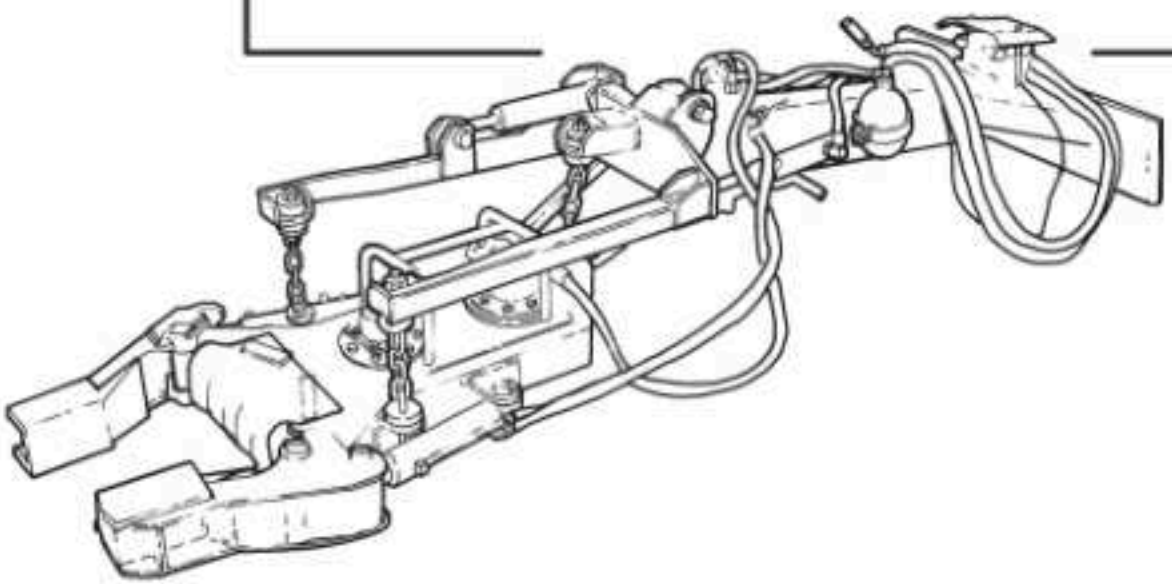
Single

Double

Bobcat®

Operation & Maintenance Manual

(S/N 991600101 & Above)
(S/N 991700101 & Above)



Bobcat

6901162 (10-01)

Printed in U.S.A.

© Bobcat Company 2001

MidWestTech | Bobcat Single, Double Tree Vibrator Operation & Maintenance Manual | Pu... Order the manual at mid-west-tech.com >

CONTENTS

FOREWORD iii
SAFETY vii
OPERATING INSTRUCTIONS 1
TREE VIBRATOR MAINTENANCE 21
SPECIFICATIONS 31

REFERENCE INFORMATION

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

Tree Vibrator Serial Number ..... _____

_____

_____

_____

NOTES: _____

_____

_____

_____

_____

_____

_____

_____

YOUR BOBCAT® DEALER:

_____

ADDRESS:

_____

PHONE:

_____

Bobcat Company
P.O. Box 128
Gwinner, ND 58040–0128

Bobcat Company Europe
J. Huysmanslaan 59
B–1651 LOT
Belgium

MidWestTech | Bobcat Single, Double Tree Vibrator Operation & Maintenance Manual | Pu... Order the manual at mid-west-tech.com >

OPERATING THE TREE VIBRATOR

Loader Controls/Tree Vibrator Operation

Auxiliary Hydraulics

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

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

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

For double model tree vibrator:

To activate the high flow auxiliary hydraulics, press the switch (Item 3) **[A]** once.

NOTE: The *Single* Tree Vibrator can be used with High Horsepower hydraulic auxiliary if the loader is operated at a lower engine RPM.

For All Models:

Controls:

To tip the vibrating head cylinder (Item 1) **[C]** forward, press the switch (Item 1) **[B]** on the right handle up.

To tip the vibrating head cylinder (Item 1) **[C]** back, press the switch (Item 1) **[B]** on the right handle down.

To tilt the tree clamp leveling cylinder (Item 2) **[C]** up, press the switch (Item 2) **[B]** on the left handle up.

To tilt the tree clamp leveling cylinder (Item 2) **[C]** down, press the switch (Item 2) **[B]** on the left handle down.

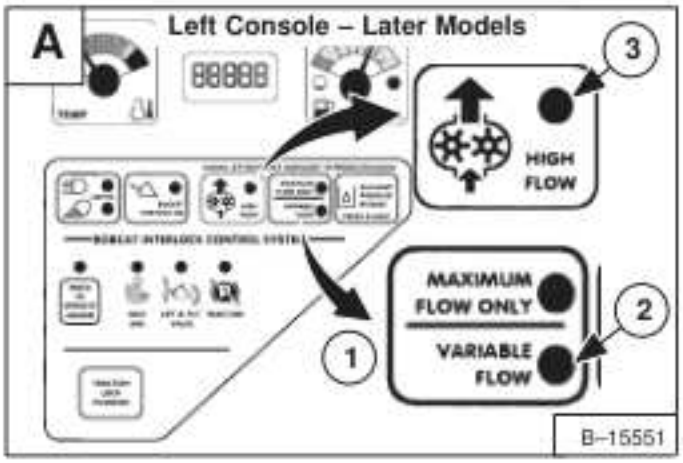
To open the tree clamp cylinders (Item 3) **[C]**, press the switch (Item 3) **[B]** on the left handle to the left.

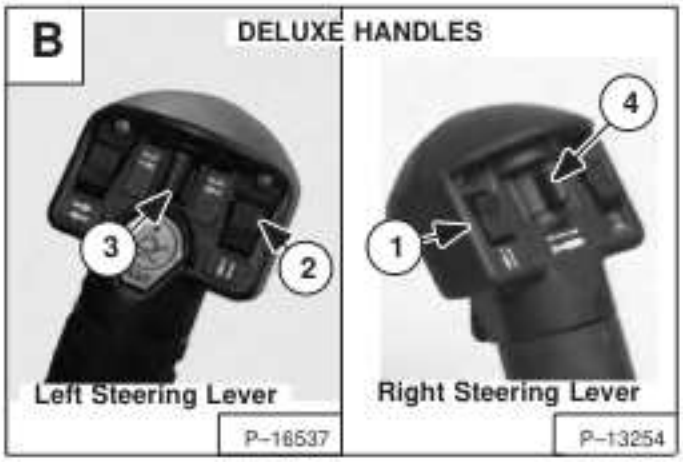
To close the tree clamp cylinders (Item 3) **[C]**, press the switch (Item 3) **[B]** on the left handle to the right.

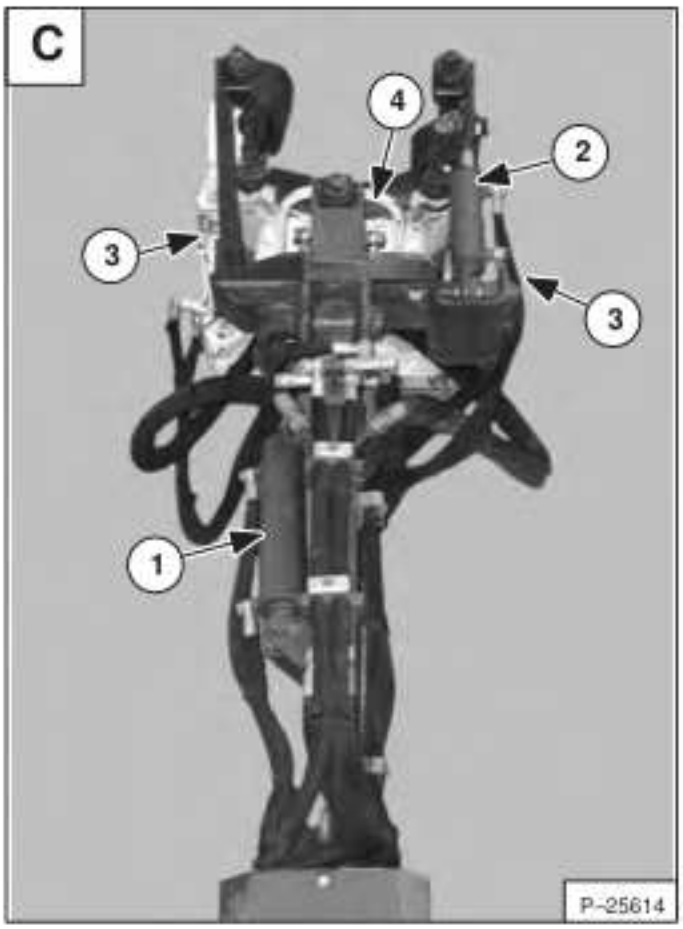
To start the tree vibrator motor(s) (Item 4) **[C]**, press the switch (Item 4) **[B]** on the right handle to the right.

To stop the tree vibrator motor(s) (Item 4) **[C]**, let go of the switch (Item 4) **[B]** on the right handle.

See the following page for additional information on the tip and tilt functions.







MidWestTech | Bobcat Single, Double Tree Vibrator Operation & Maintenance Manual | Pu... Order the manual at mid-west-tech.com >

INSPECTION (Cont'd)

Tree Vibrator Mount Inspection

Inspect the Bob–Tach wedge mounts (Item 1) **[A]**, mounting flange (Item 2) **[A]** and all welds on the Tree Vibrator mount for wear and damage each time the Tree Vibrator is removed from the loader.

LUBRICATION

Always use a good quality lithium base grease when lubricating the Tree Vibrator. Apply the lubricant until extra grease shows.

IMPORTANT

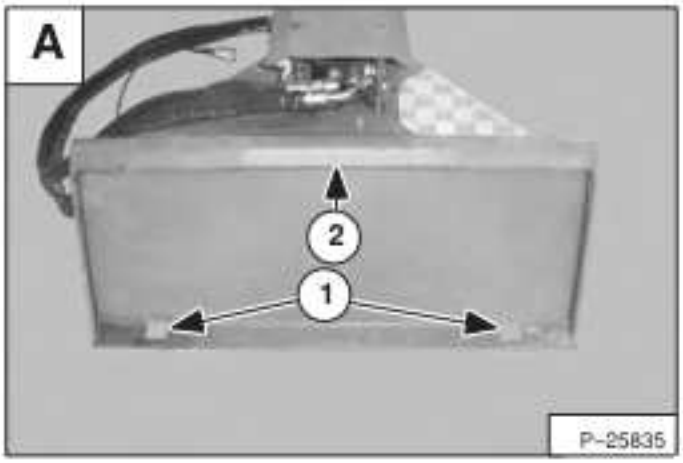
Fluid such as engine oil, hydraulic fluid, coolants, etc. must be disposed of in an environmentally safe manner. Some regulations require that certain spills and leaks on the ground must be cleaned in a specific manner. See local, state and federal regulations for the correct disposal.

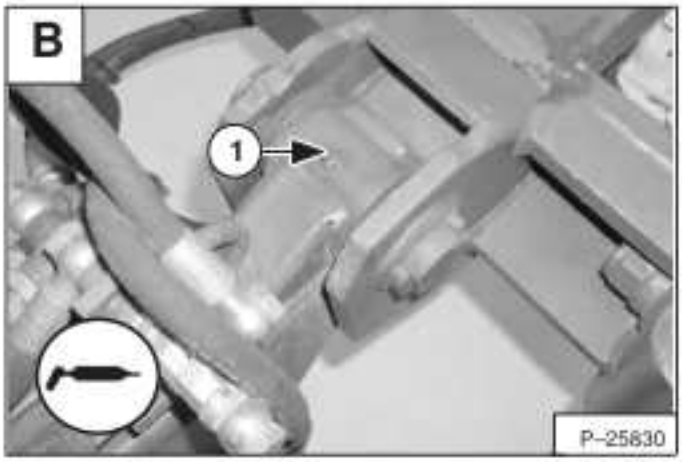
I–2067–0395

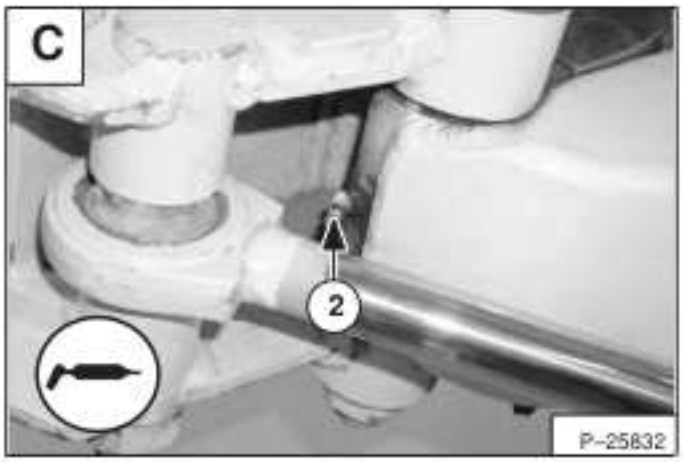
Lubrication Points

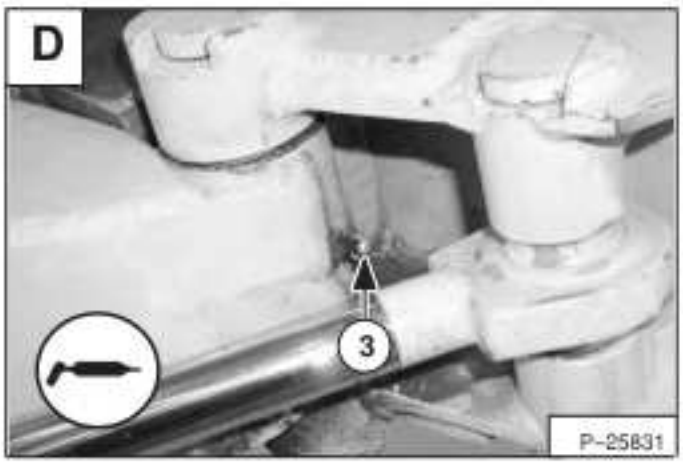
Lubricate the following grease fittings **EVERY 20 HOURS:**

1. Vibrating Head Frame Pivot **[B]**.
2. Left Clamping Arm Pivot **[C]**.
3. Right Clamping Arm Pivot **[D]**.









MidWestTech | Bobcat Single, Double Tree Vibrator Operation & Maintenance Manual | Pu... Order the manual at mid-west-tech.com >

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 to 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.

MidWestTech | Bobcat Single, Double Tree Vibrator Operation & Maintenance Manual | Pu... Order the manual at mid-west-tech.com >