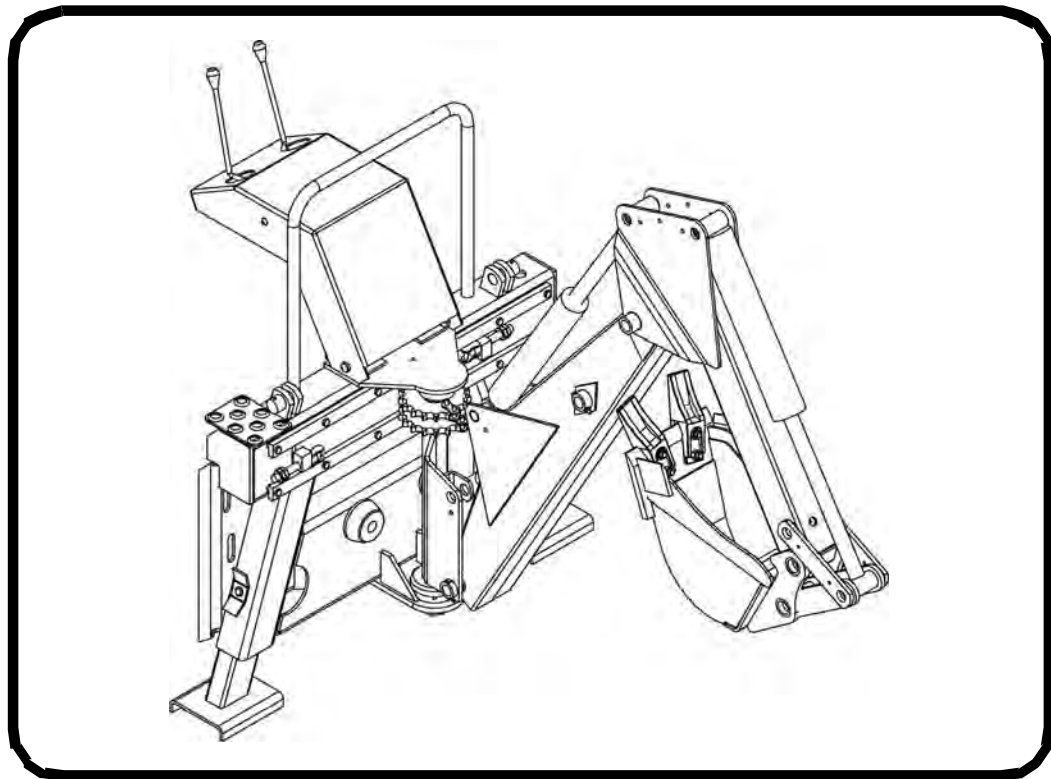




Bobcat®

Operation & Maintenance Manual 406 & 506 Backhoe

(406) S/N 631010000 & Below
(406) S/N 631010001 & Above
(506) S/N 631110000 & Below
(506) S/N 631110001 & Above



CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

- Thank you very much for reading the preview of the manual.
- You can download the complete manual from: www.heydownloads.com by clicking the link below



- Please note: If there is no response to CLICKING the link, please download this PDF first and then click on it.

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

SAFETY & TRAINING RESOURCES

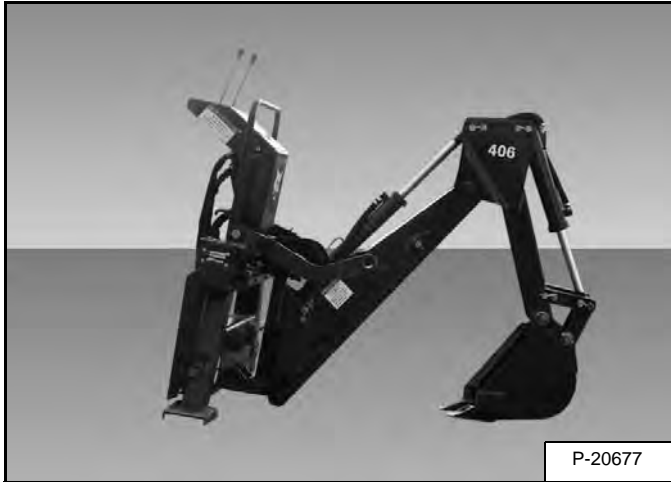
SAFETY & TRAINING RESOURCES

| | |
|---|------|
| FIRE PREVENTION | XIII |
| Electrical | XIII |
| Fire Extinguishers | XIV |
| Fueling | XIII |
| Hydraulic System | XIII |
| Maintenance | XIII |
| Operation | XIII |
| Spark Arrestor Exhaust System | XIII |
| Starting | XIII |
| Welding And Grinding | XIV |
| | |
| PUBLICATIONS AND TRAINING RESOURCES | XV |
| | |
| SAFETY INSTRUCTIONS | XI |
| Avoid Silica Dust | XII |
| Call Before You Dig | XII |
| Safe Operation Is The Operator's Responsibility | XI |
| Safe Operation Needs A Qualified Operator | XI |
| Use Safety Rules | XII |

INITIAL SETUP

Positioning The Backhoe

Figure OI-1



Always position the Backhoe on a level surface, when the Backhoe is removed from the loader [Figure OI-1].

Mounting Pivot Bolts

463 & S70 Loader Model



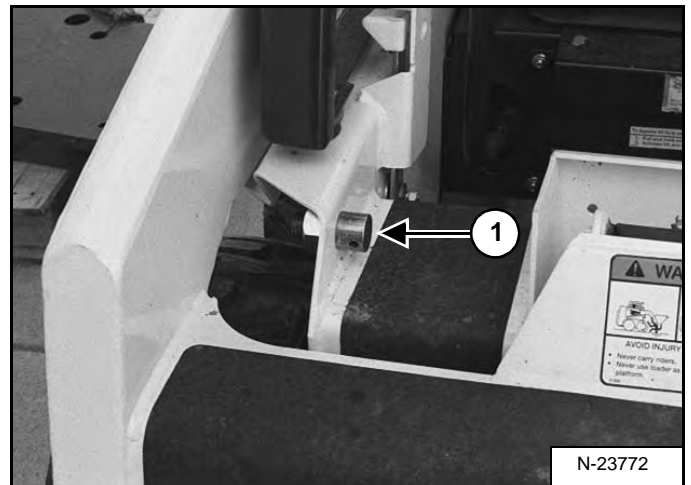
AVOID INJURY OR DEATH

Wear safety glasses to prevent eye injury when any of the following conditions exist:

- When fluids are under pressure.
- Flying debris or loose material is present.
- Engine is running.
- Tools are being used.

W-2019-0907

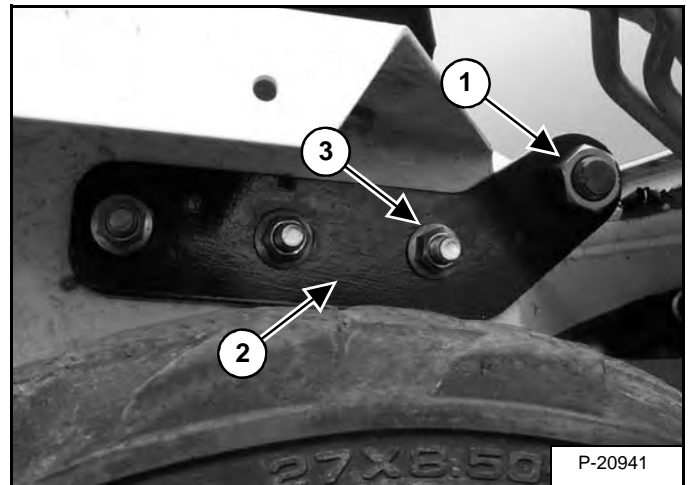
Figure OI-2



Install the mounting pivot bolts (Item 1) [Figure OI-2] onto the frame. The mounting pivot bolts must be kept tight. Tighten bolts after the first 2 hours of operation and every 8 hours thereafter. Tighten the bolts to 220 ft.-lb. (298 N•m) torque.

553 Loader Model

Figure OI-3



Install the mounting pivot bolts (Item 1) onto the brackets (Item 2) and mount the brackets to the frame with the bolts (Item 3) provided with the Backhoe. The mounting pivot bolts (Item 1) [Figure OI-3] must be kept tight. Tighten bolts after the first 2 hours of operation and every 8 hours thereafter. Tighten the bolts to 220 ft.-lb. (298 N•m) torque.

OPERATING PROCEDURE WITH LOADERS (CONT'D)

Installation (Cont'd)

Power Bob-Tach (Cont'd)

Stop the engine and exit the loader. (See Entering And Exiting The Loader on Page OI-8.)



WARNING

Before you leave the operator's seat:

- Lower the lift arms, put the attachment flat on the ground.
- Stop the engine.
- Engage the parking brake.
- Raise seat bar.
- (Foot Pedal Controls) Move pedals until both lock.
- (Advanced Control System-ACS) Move the hydraulic controls to the NEUTRAL POSITION to make sure that both lift and tilt functions are deactivated.

The seat bar system must deactivate the lift and tilt control functions when the seat bar is up. Service the system if hand controls do not deactivate.

- (Selectable Joystick Controls-SJC) Move the joysticks to the NEUTRAL POSITION to make sure that travel and hydraulic functions are deactivated.

The seat bar system must deactivate these functions when the seat bar is up. Service the system if controls do not deactivate.

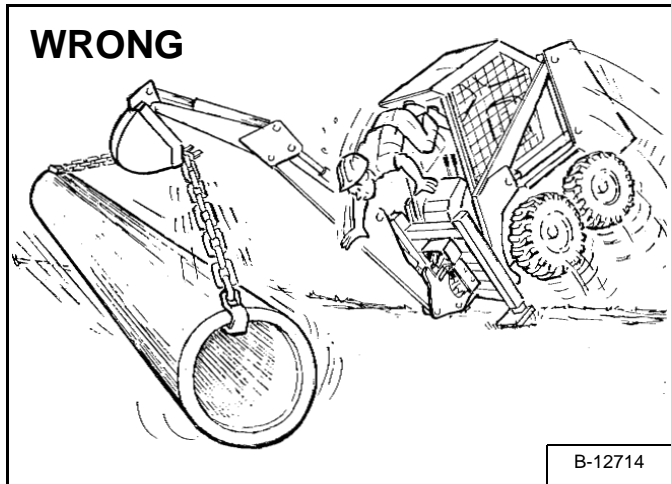
W-2463-0603

OPERATING PROCEDURE WITH LOADERS (CONT'D)

Operation With The Loader (Cont'd)

Lifting And Moving Objects

Figure OI-61



When using the backhoe to lift and place objects, be sure the load is less than the capacity of the loader/backhoe [Figure OI-61].

WARNING

AVOID INJURY OR DEATH

Keep objects balanced and as close to the backhoe and ground as possible when lifting with the backhoe. Swing lifted objects slowly. Always lower objects to the ground before leaving the machine.

W-2115-0189

Objects must be handled so that the load is balanced. To maintain stability, the load must be kept close to the Backhoe with the boom in line with the center of the loader. When the boom is moved to the side with a load, it must be moved slowly and smoothly so the load does not sway or swing out of control. Never lift a load over personnel. Lower the objects as soon as possible and never leave it hanging.

Getting Ready For Backhoe Operation

Move to the operator's position, fasten seat belt, lower the seat bar and start the engine.

Operate the backhoe from the operator's seat of the loader only. The seat bar must be down when operating the loader and up when operating the backhoe.

Activate the auxiliary hydraulic controls. (See Control Functions on Page OI-18.)

Lower the stabilizers. (See Adjusting The Stabilizers on Page OI-20.)

Keep feet behind the loader foot guard.

Operate the backhoe at a slow rate in an open and level area when learning to operate the backhoe.

PREVENTIVE MAINTENANCE

| | |
|--------------------------------------|------|
| BUCKET REMOVAL AND INSTALLATION..... | PM-6 |
| Procedure | PM-6 |
| LUBRICATING THE ATTACHMENT..... | PM-4 |
| Lubrication Points | PM-4 |
| TROUBLESHOOTING | PM-3 |

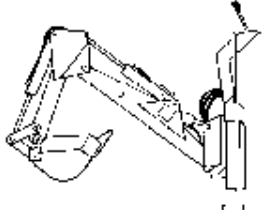
**PREVENTIVE
MAINTENANCE**

WARNING (6906682)

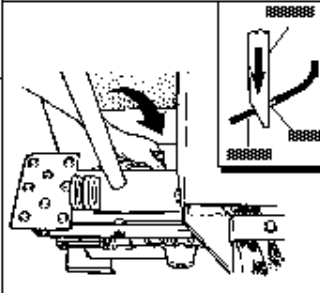
WARNING DO NOT OPERATE BACKHOE WITHOUT INSTALLING TILT LOCKOUT BARS. SEE OPERATION & MAINTENANCE MANUAL FOR FURTHER INSTRUCTIONS.

To Attach The Backhoe

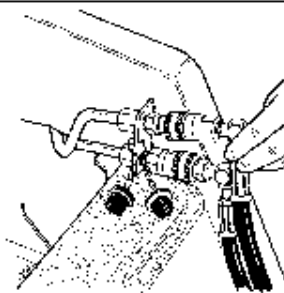
- a. Put the Backhoe in the position shown below.
- b. Disengage the Bob-Tach lever(s).
- c. Fasten seat belt. Lower seat bar. Start the engine.
- d. Tilt the Bob-Tach forward.
- e. Drive the Bobcat forward until the Bob-Tach is in the Backhoe frame.
- f. Tilt the Bob-Tach backward a small amount to fully engage the Bob-Tach into the Backhoe frame.



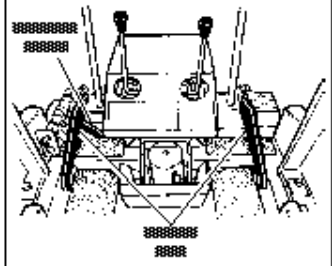
- a. Stop the engine. Release the seat belt & raise the seat bar.
- b. Engage the parking brake.
- c. Lock the Bob-Tach lever(s). The Bob-Tach wedges must extend through the holes on the Backhoe mounting frame.



- a. Connect the hydraulic hoses to the auxiliary couplers on the Bobcat.
- b. Return to the seat. Fasten seat belt & lower seat bar.
- c. Start the engine.

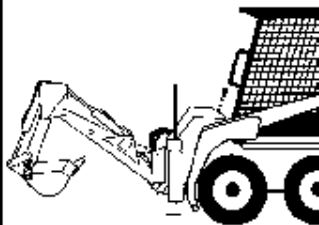


- a. Tilt the Bob-Tach backwards until the tilt lockout bars can be installed on the pivot mounting pins.
- b. Make sure hoses are underneath lockout bars.
- c. Install the safety retainer pins.
- d. Engage the auxiliary lever.

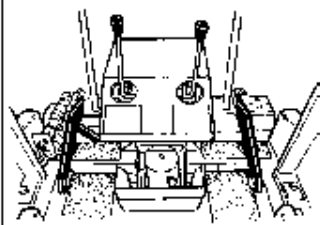


To Remove The Backhoe

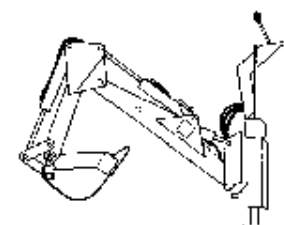
- a. Lock the parking brake.
- b. Start the engine. Engage the auxiliary lever.
- c. Lift & position the Backhoe boom to the center of the Bobcat.
- d. Move (curl) the bucket fully closed.
- e. Move (crowd) the dipperstick fully backward.
- f. Stop the engine.



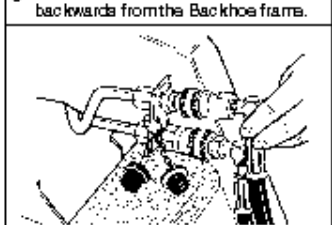
- a. Remove the safety retainer pins from the pivot mounting pins.
- b. Remove the tilt lockout bars.



- a. Fasten seat belt & lower the seat bar. Start the engine.
- b. Raise the lift arms of the Bobcat a small amount until the stabilizers are off the ground.
- c. Tilt the Bob-Tach forward until the Backhoe bucket is on the ground.
- d. Lower the lift arms until the stabilizers are on the ground.



- a. Stop the engine. Raise the seat bar & release the seat belt.
- b. Disconnect the auxiliary quick couplers.
- c. Connect the hoses to each other.
- d. Release the Bob-Tach lever(s).
- e. Return to the seat. Fasten the seat belt & lower the seat bar.
- f. Release the parking brake. Start the engine.
- g. Tilt the Bob-Tach forward & move backwards from the Backhoe frame.



6906682

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

- Thank you very much for reading the preview of the manual.
- You can download the complete manual from: www.heydownloads.com by clicking the link below



- Please note: If there is no response to CLICKING the link, please download this PDF first and then click on it.

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL