



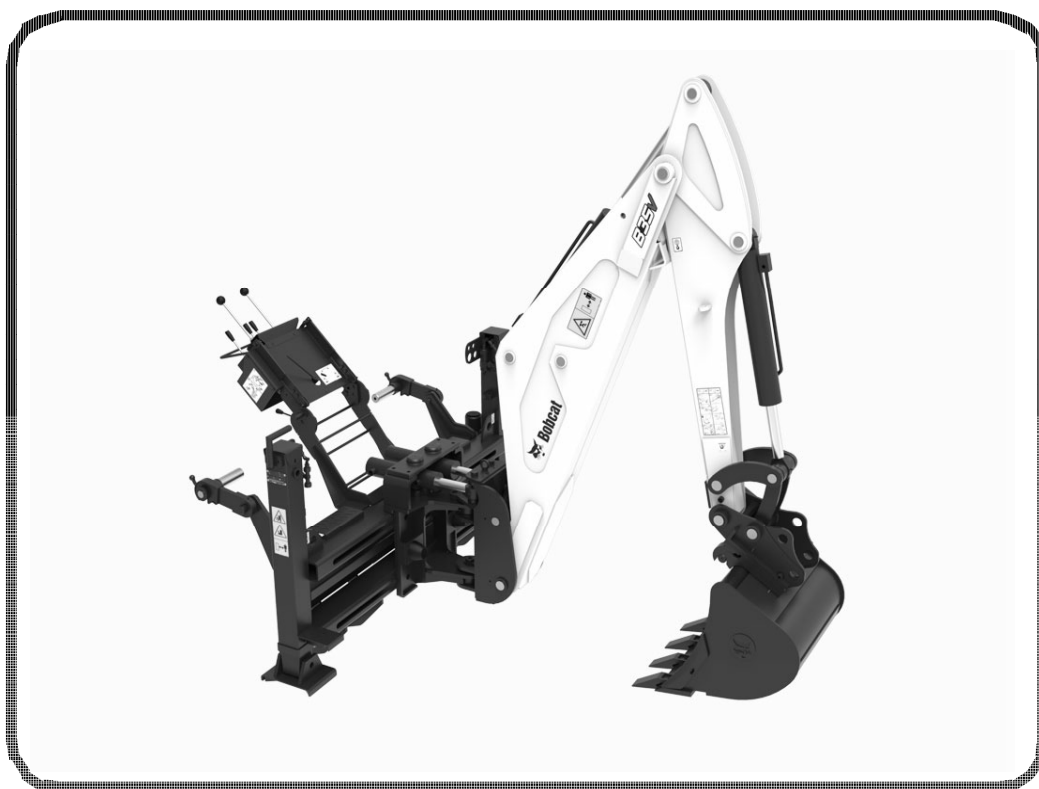
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# Operation & Maintenance Manual

## Backhoe

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**B32S S/N B57J00101 & Above**  
**B32V S/N B52R00101 & Above**  
**B35S S/N B57K00101 & Above**  
**B35V S/N B53F00101 & Above**



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### REFERENCE INFORMATION

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

Attachment Serial Number \_\_\_\_\_

NOTES:

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YOUR BOBCAT DEALER:

ADDRESS:

PHONE:

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Bobcat Company  
P.O. Box 128  
Gwinner, ND 58040-0128  
UNITED STATES OF AMERICA

Doosan Bobcat EMEA s.r.o  
U Kodetky 1810  
26312 Dobris  
CZECH REPUBLIC

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Bob-Tach (Cont'd)

Power Bob-Tach



# WARNING

**AVOID INJURY OR DEATH**

The Bob-Tach wedges must extend through the holes in the attachment mounting frame. Levers must be fully down and locked. Failure to secure wedges can allow attachment to come off.

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Figure 17

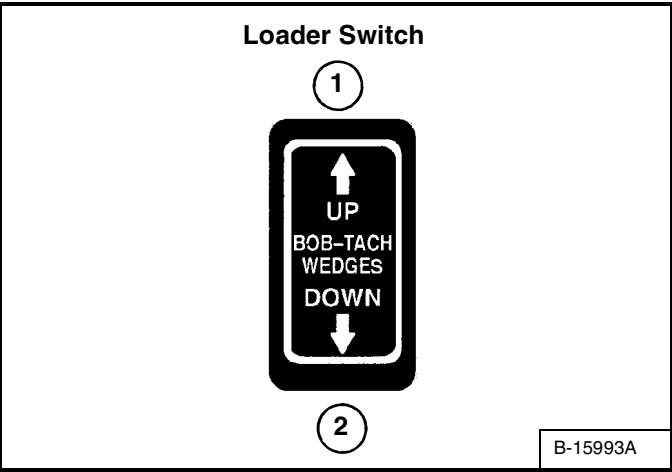
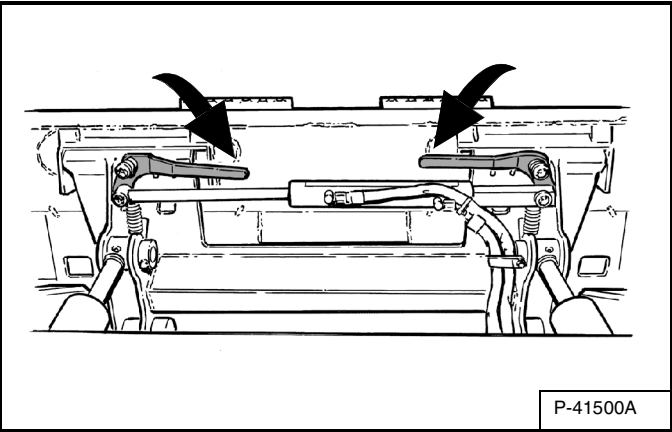
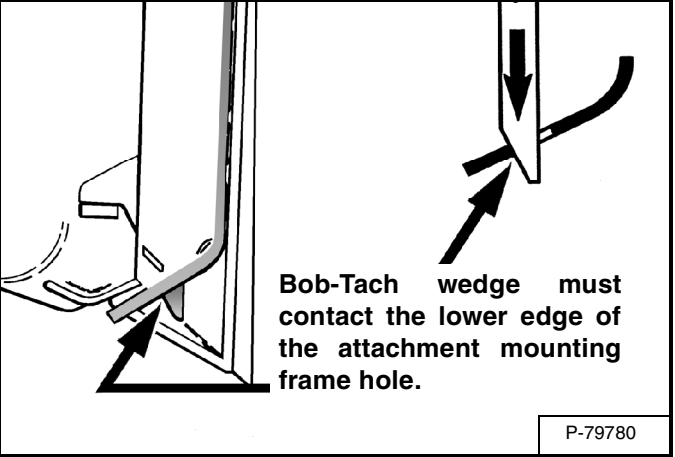


Figure 18



Push and hold the BOB-TACH “WEDGES DOWN” switch (Item 2) [Figure 17] and [Figure 18] until the levers are fully engaged in the locked position [Figure 18] (wedges fully extended through the attachment mounting frame holes).

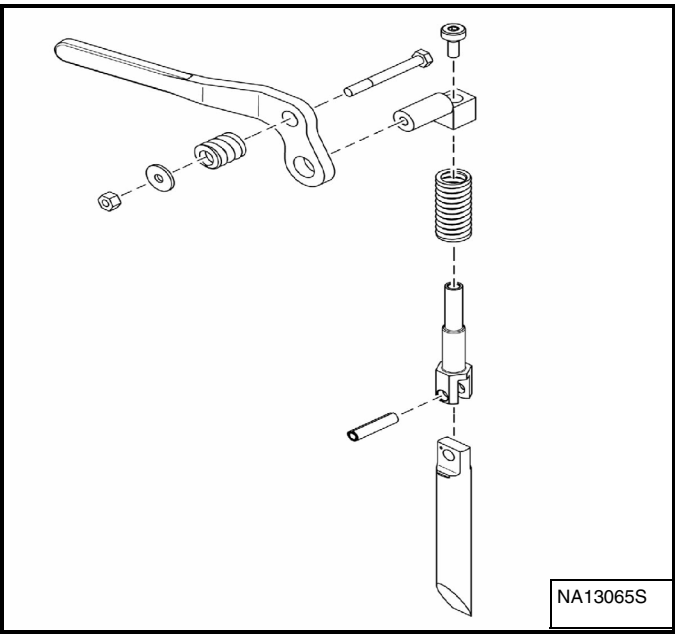
Figure 19



The wedges must extend through the holes in the attachment mounting frame, securely fastening the attachment to the Bob-Tach [Figure 19].

**NOTE:** If the wedge does not contact the lower edge of the hole, the attachment will be loose and can come off the Bob-Tach.

Figure 20



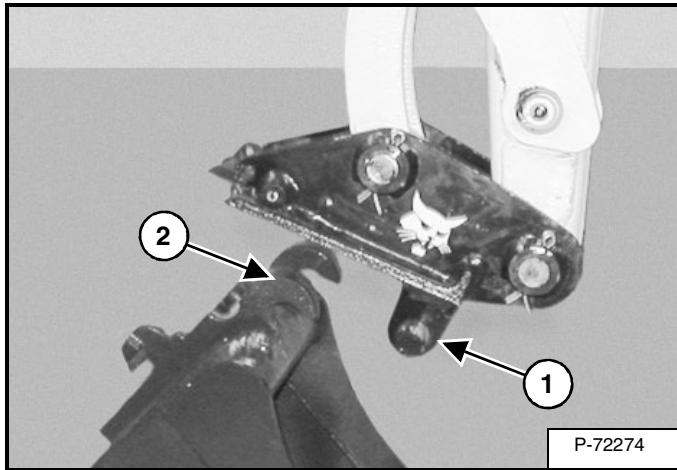
Inspect the mounting frame on the attachment. (See the machine's Operation & Maintenance Manual for inspecting the Bob-Tach). Replace any parts that are damaged, bent or missing [Figure 20]. Keep all fasteners tight. Look for cracked welds. Contact your Bobcat dealer for repair or replacement parts.

Lubricate the wedges. (See the machine's Operation & Maintenance Manual for the correct procedure.)

## DAILY INSPECTION (CONT'D)

### Quick Coupler (Klac™ System)

Figure 21



Inspect the attachment quick coupler for wear or damage. Inspect the mounting pins (Item 1) and hooks (Item 2) **[Figure 21]** (on the attachment) for wear or damage.

Repair or replace damaged parts.

OPERATING PROCEDURE WITH LOADERS  
 Approved Loader Models And Requirements

Figure 22

LOADER MODEL	B32S	B32V	B35S	B35V
S450	X	X		
S510	X	X		
S530	X	X		
S550	X	X		
S570	X	X		
S590	X	X		
T450	X	X		
T590	X	X		
A770			X	X
S630			X	X
S650			X	X
S770			X	X
S850			X	X
T650			X	X
T770			X	X
T850			X	X

X = Approved

The chart [Figure 22] lists the backhoe models approved for use with each model loader.

**NOTE:** Backhoe mounting kits are required for proper installation of the backhoe. See your Bobcat dealer for available kits.

The warranty is void if this attachment is used on a non-approved carrier. See your Bobcat dealer for an updated list of approved carriers.



# WARNING

Never use attachments or buckets which are not approved by the Bobcat Company. Attachments and buckets for safe loads of specified densities are approved for each model. Unapproved attachments and buckets can cause injury or death.

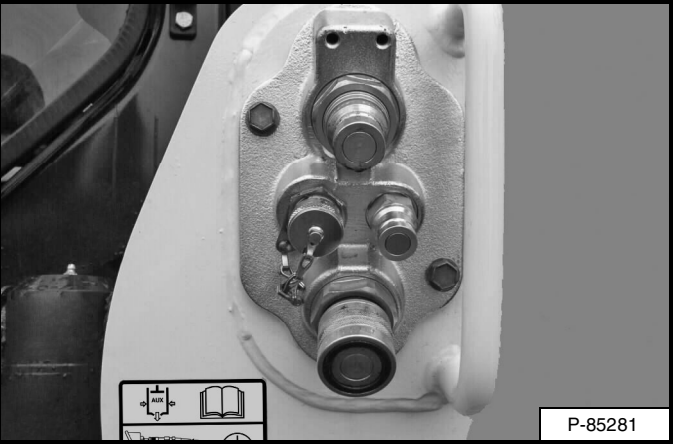
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Auxiliary Hydraulics

Figure 23



Figure 24



The loader must be equipped with front auxiliary hydraulics [Figure 23] or [Figure 24] for proper operation of the backhoe. See your Bobcat dealer for available kits.

**NOTE:** This backhoe is approved for use in standard hydraulic flow only. If your machine has high flow capability, do not activate high flow or backhoe damage could occur.

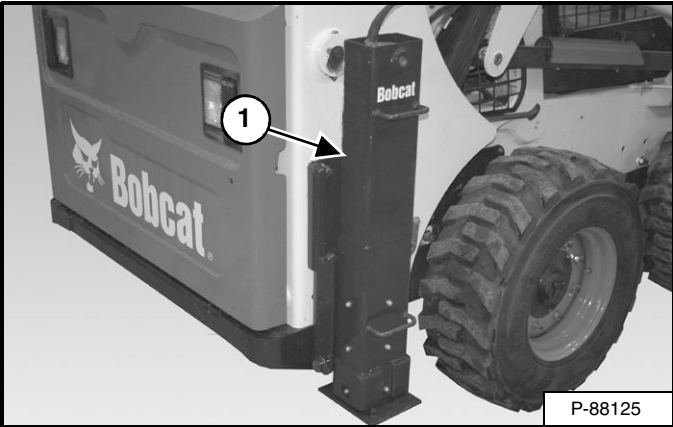
# IMPORTANT

If high-flow switch is in the ON position, High-Flow Hydraulics will flow through the front auxiliary quick coupler. Damage to unapproved attachments can result.

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Rear Stabilisers

Figure 25



Optional rear stabilisers (Item 1) [Figure 25] and the mounting kit(s) are available for your loader to increase the backhoe operation performance and versatility. See your Bobcat dealer for available kits.

## OPERATING PROCEDURE WITH LOADERS (CONT'D)

### Machine / Attachment Setup

Install the required kits for mounting the backhoe. (See Approved Loader Models And Requirements on Page 33.)

# IMPORTANT

**Do not mount this backhoe on a loader which has a cab door installed.**

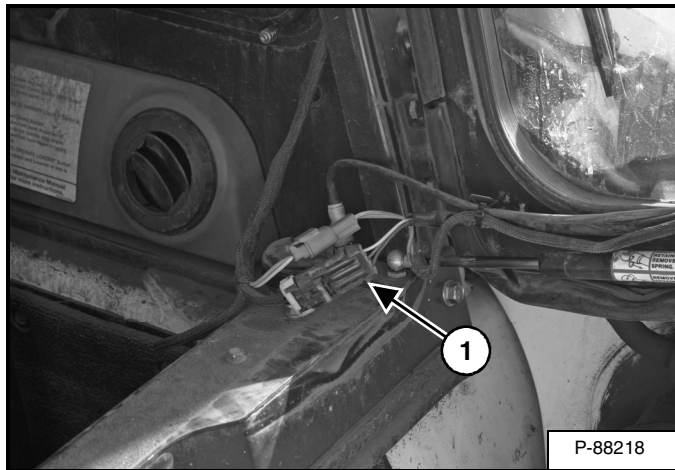
**Remove the cab door before mounting the backhoe.**

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### Removing Cab Door (If Equipped)

**NOTE:** The following pictures may not show your loader exactly as it appears but the procedure is the same.

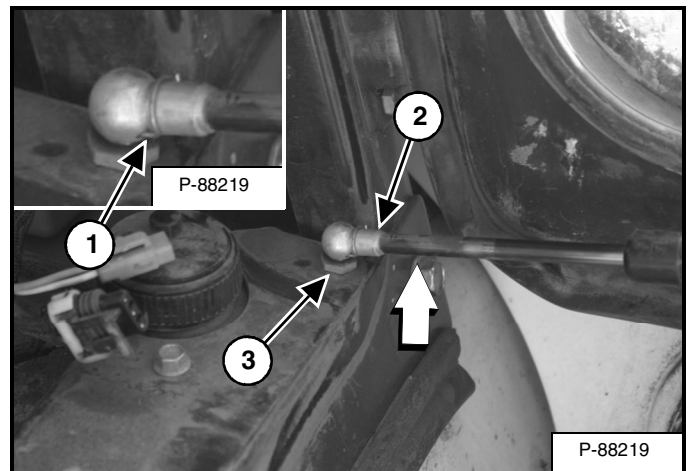
Figure 26



Open loader door.

Disconnect all electrical connections (Item 1) [Figure 26] running to the door.

Figure 27

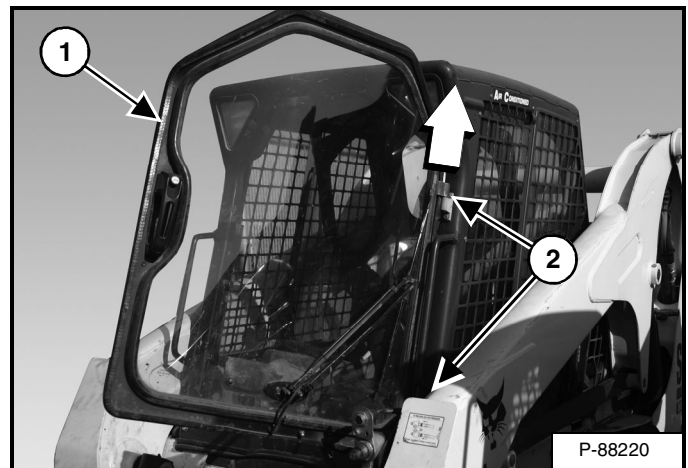


Remove the retaining clip (Item 1) [Figure 27].

Remove the gas spring (Item 2) by lifting up, removing from the mounting post (Item 3) [Figure 27].

Install the retaining clip into the gas spring.

Figure 28



**NOTE:** A second person is recommended to help remove the cab door.

Lift the door (Item 1) upward until clear of the mounting pins (Item 2) [Figure 28].

OPERATING PROCEDURE WITH LOADERS (CONT'D)

Entering And Exiting The Loader

Entering

**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.

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Figure 29



Use the attachment steps, grab handles and safety treads (on the loader lift arms and frame) to get on and off the loader / backhoe [Figure 29]. Do not jump.

Figure 30



Enter the loader. Fasten the seat belt and adjust it so the buckle is centred between your hips [Figure 30].

Figure 31



Lower the seat bar and engage the parking brake [Figure 31].

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.)

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## OPERATING PROCEDURE WITH LOADERS (CONT'D)

### Entering And Exiting The Loader (Cont'd)

#### *Exiting*

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

Stop the engine and engage the parking brake.

Raise the backhoe control panel. (See Backhoe Control Panel on Page 46.)

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.

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## OPERATING PROCEDURE WITH LOADERS (CONT'D)

### Installing The Backhoe

#### Hand Lever Bob-Tach

**NOTE:** The illustrations and instructions provided explain how to install a bucket attachment on to a loader. Follow these same instructions if you are installing different attachments such as a grapple, tiller, combo bucket, etc.

The attachment mounting frame for the attachment has a top flange that is designed to receive the top edge of the Bob-Tach and the lower part of the frame is designed to receive the Bob-Tach wedges.

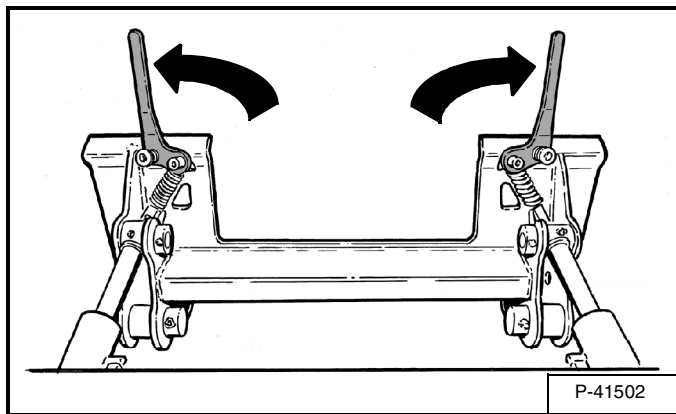
## ! WARNING

Warnings on the machine and in the manuals are for your safety. Failure to obey warnings can cause serious injury or death.

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Always inspect the loader's Bob-Tach and the attachment mounting frame before installation. See the loader's Operation & Maintenance Manual. (See DAILY INSPECTION on Page 28.)

Figure 32

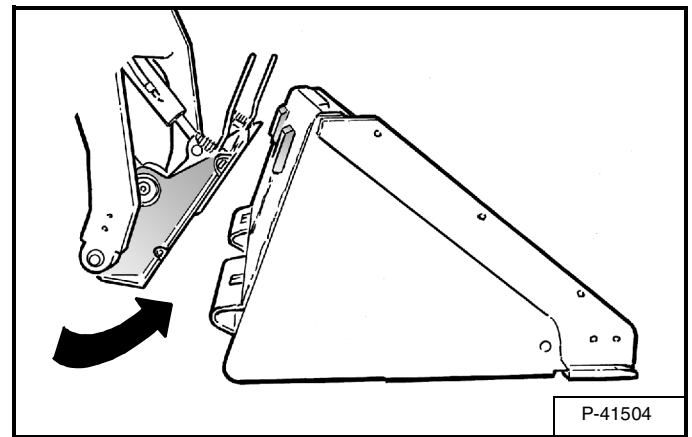


Pull the Bob-Tach levers up until they are fully raised (wedges fully raised) [Figure 32].

Enter the loader. (See Entering And Exiting The Loader on Page 35.)

Start the engine, press the PRESS TO OPERATE LOADER button and release the parking brake.

Figure 33

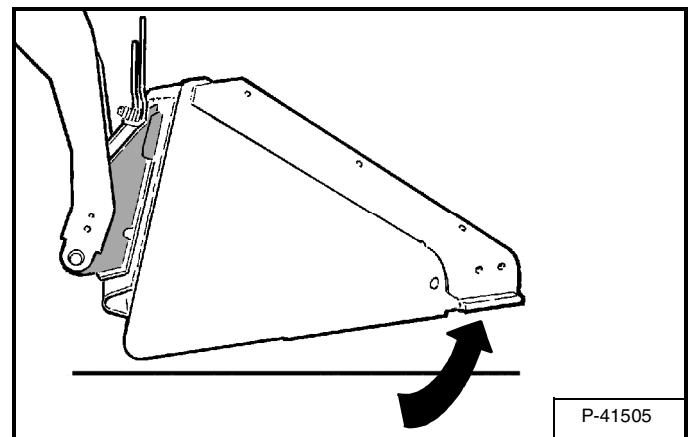


Lower the lift arms and tilt the Bob-Tach forward.

Drive the loader slowly forward until the top edge of the Bob-Tach is completely under the top flange of the attachment mounting frame [Figure 33].

**NOTE:** Be sure the Bob-Tach levers do not hit the attachment.

Figure 34



Tilt the Bob-Tach backward until the attachment is slightly off the ground [Figure 34]. This will cause the attachment mounting frame to fit up against the front of the Bob-Tach.

**NOTE:** When leaving the operator's seat to install an attachment, tilt the attachment until it is slightly off the ground.

Stop the engine and exit the loader. (See Entering And Exiting The Loader on Page 35.)

OPERATING PROCEDURE WITH LOADERS (CONT'D)

Installing The Backhoe (Cont'd)

Hand Lever Bob-Tach (Cont'd)



**WARNING**

**AVOID INJURY OR DEATH**

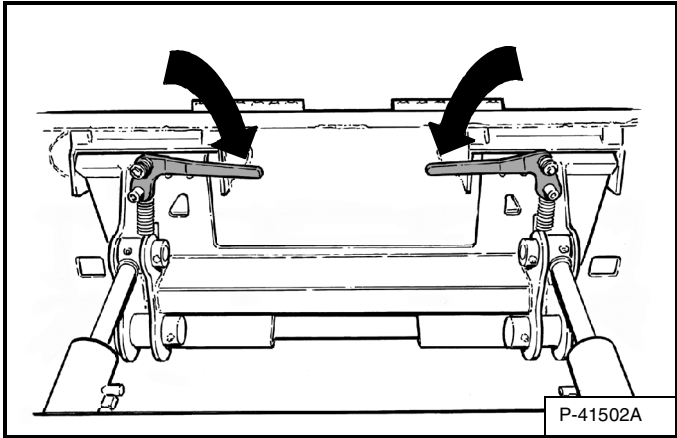
Before you leave the operator's position:

- 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.**

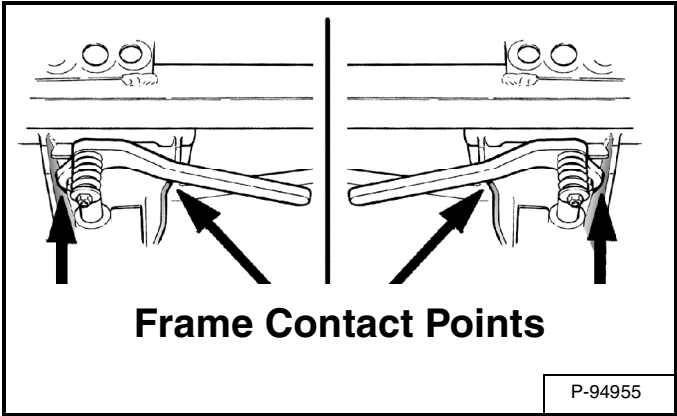
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Figure 35



Push down on the Bob-Tach levers until they are fully engaged in the locked position [Figure 35] (wedges fully extended through the attachment mounting frame holes).

Figure 36



Both levers must contact the frame as shown when locked [Figure 36].

If both levers do not engage in the locked position, see your Bobcat dealer for maintenance.



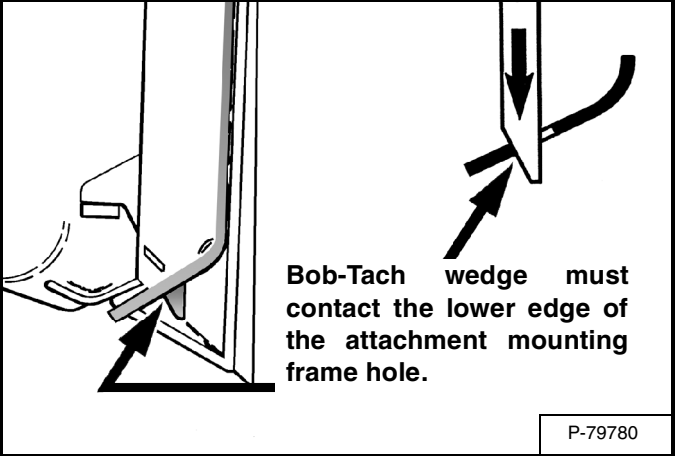
**WARNING**

**AVOID INJURY OR DEATH**

The Bob-Tach wedges must extend through the holes in the attachment mounting frame. Levers must be fully down and locked. Failure to secure wedges can allow attachment to come off.

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Figure 37



The wedges must extend through the holes in the attachment mounting frame, securely fastening the attachment to the Bob-Tach [Figure 37].