

## OPERATOR CAB (ROPS / TOPS)

### Description

The excavator has an optional operator cab (ROPS/TOPS) (Roll Over Protective Structure/Tip Over Protective Structure). The ROPS/TOPS meets SAE J1040, ISO 3471 and ISO 12117.

An enclosed cab (ROPS/TOPS) is an Option or can be installed as a Field Accessory.

Both the cab and canopy provide operator protection if the excavator is tipped over. The seat belt must be worn for ROPS /TOPS protection.

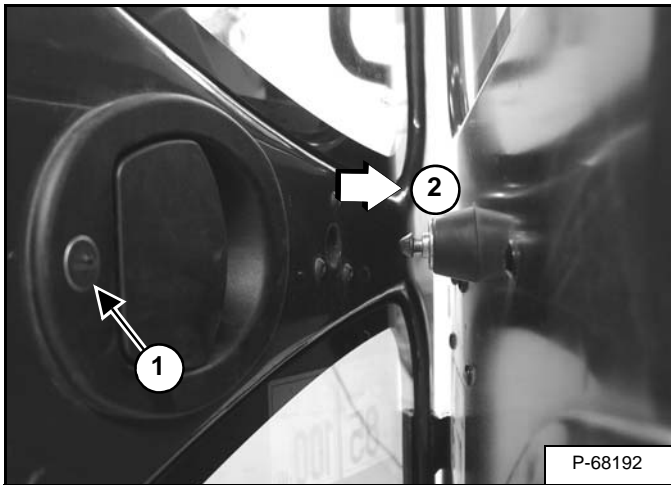


**Never modify operator cab by welding, grinding, drilling holes or adding attachments unless instructed to do so by Bobcat Company. Changes to the cab can cause loss of operator protection from rollover and falling objects, and result in injury or death.**

W-2069-0200

### Cab Door

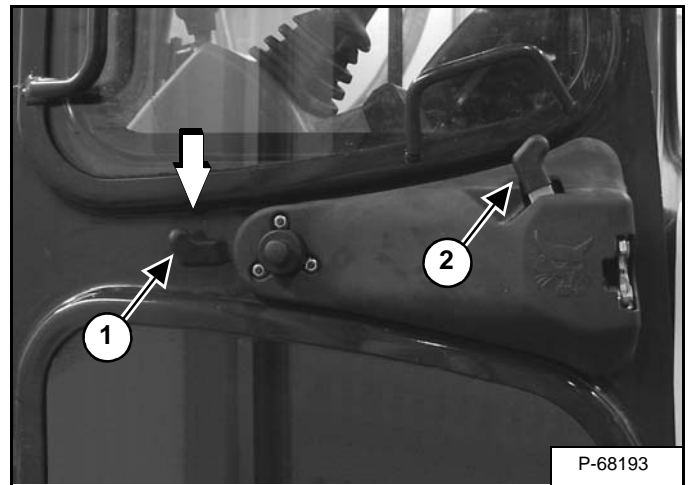
Figure 10-20-1



The cab door can be locked (Item 1) [Figure 10-20-1] with the same key as the starter switch.

Push the door all the way open (Item 2) [Figure 10-20-1] until the latch engages to hold the door in the open position.

Figure 10-20-2



When the door is in the open position, push down on the latch (Item 1) [Figure 10-20-2] and close the door.

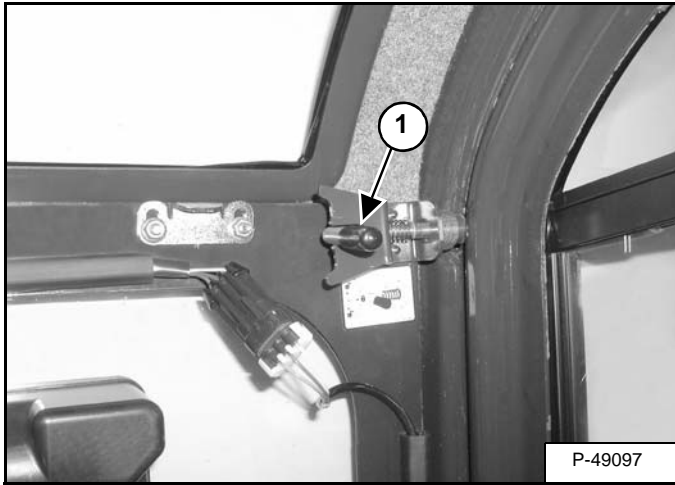
From inside the cab, open the door using handle (Item 2) [Figure 10-20-2].

## OPERATOR CAB (ROPS / TOPS) (CONT'D)

### Front Window

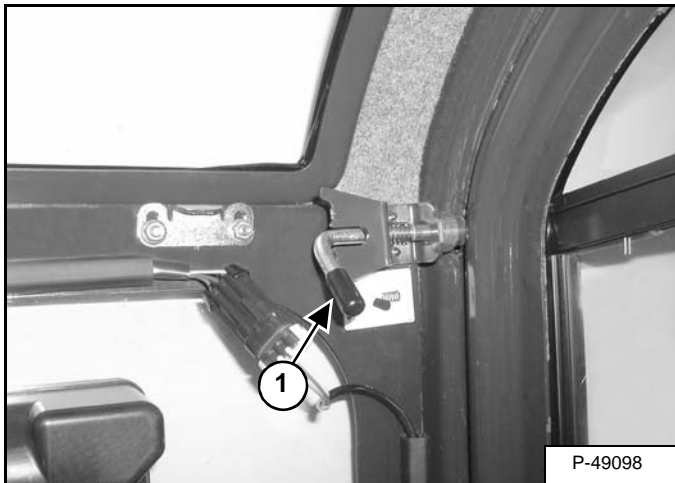
#### Opening The Front Window

Figure 10-20-3



Retract the two top window latch pins (Item 1) [Figure 10-20-3].

Figure 10-20-4



Turn the two top latches (Item 1) [Figure 10-20-4] to the unlocked position.

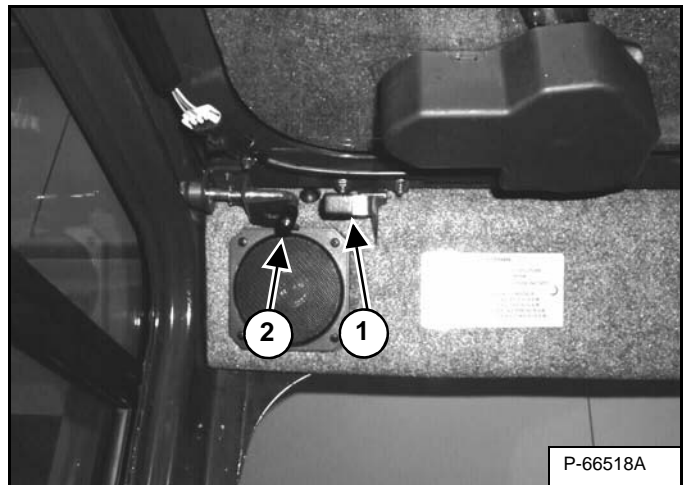
Figure 10-20-5



Use both window grab handles to pull the top of the window in [Figure 10-20-5].

Continue moving the window in and up over the operator's head until the window is fully raised.

Figure 10-20-6



When the window is fully raised, the latch (Item 1) will close on the bracket. Turn the two top latches (Item 2) [Figure 10-20-6] to the locked position.

#### Closing The Front Window

Support the window while releasing both window latch pins and placing the pins in the unlocked position [Figure 10-20-6].

Support the window using the left grab handle and pull down on the latch (Item 1) [Figure 10-20-6] to release the window.

Use both window grab handles to pull the window down [Figure 10-20-5].

Rotate the top latches (Item 1) [Figure 10-20-4 on Page 10-20-2] to the locked position (Item 1) [Figure 10-20-3].

## OPERATOR CAB (ROPS / TOPS) (CONT'D)

### Front Wiper

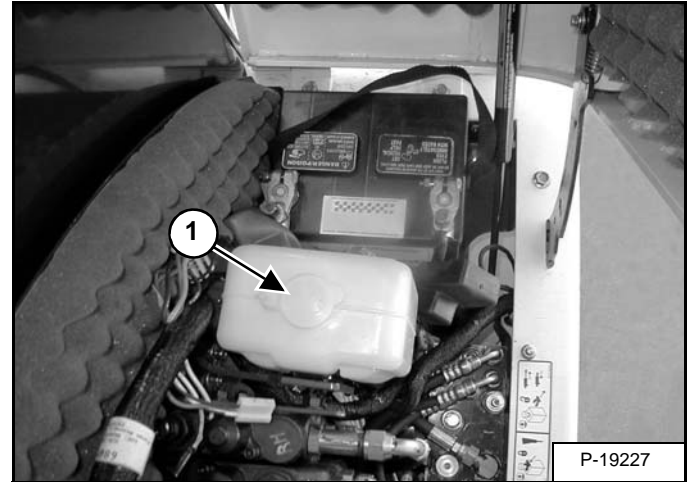
Figure 10-20-7



The front window is equipped with a wiper (Item 1) [Figure 10-20-7] and washer.

### Window Washer Reservoir

Figure 10-20-8



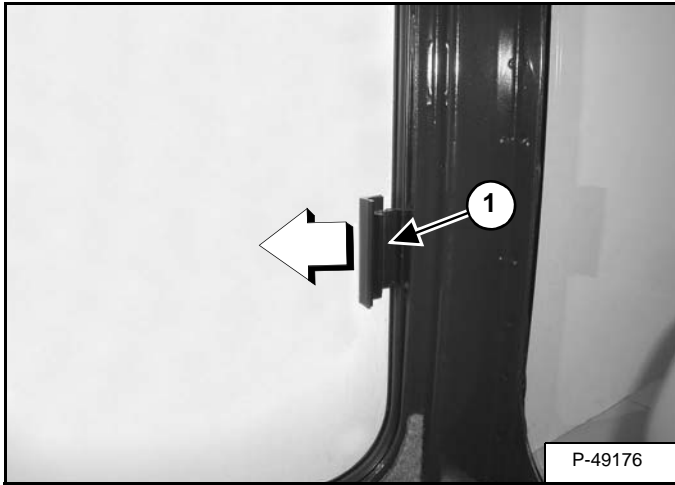
The window washer reservoir (Item 1) [Figure 10-20-8] is located under the right side cover.

## OPERATOR CAB (ROPS / TOPS) (CONT'D)

### Right Side Window

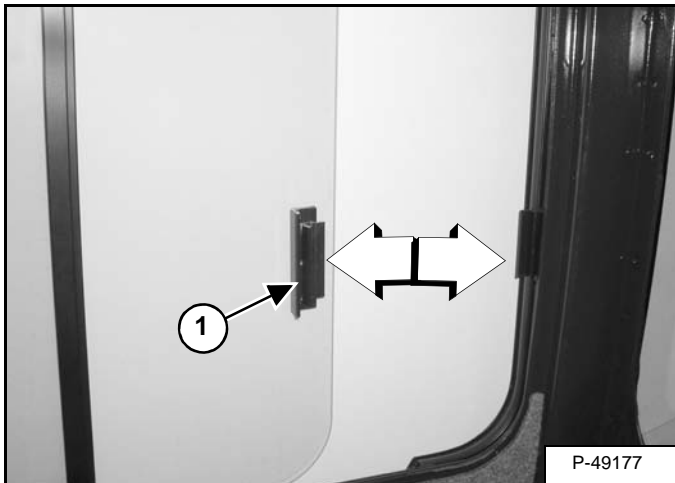
#### Opening The Right Rear Window

Figure 10-20-9



Pull forward on the latch / handle (Item 1) [Figure 10-20-9].

Figure 10-20-10



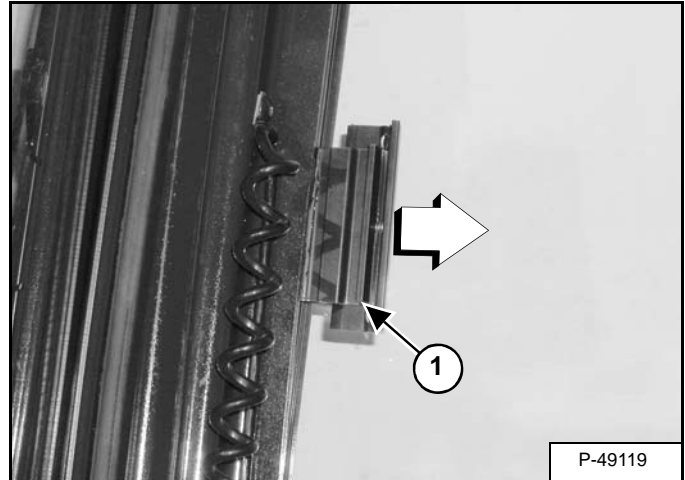
Pull the latch / handle (Item 1) [Figure 10-20-10] forward to open the window.

#### Closing The Right Rear Window

Push the handle back to close the window.

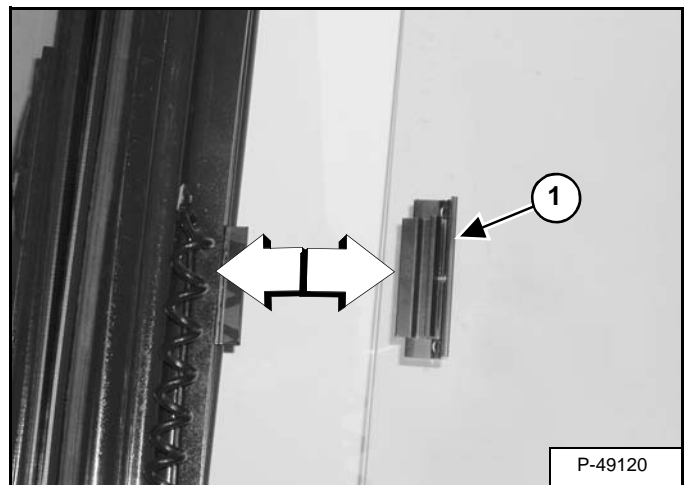
#### Opening The Right Front Window

Figure 10-20-11



Pull back on the latch / handle (Item 1) [Figure 10-20-11].

Figure 10-20-12



Pull the latch / handle (Item 1) [Figure 10-20-12] back to open the window.

#### Closing The Right Front Window

Push the handle forward to close the window.

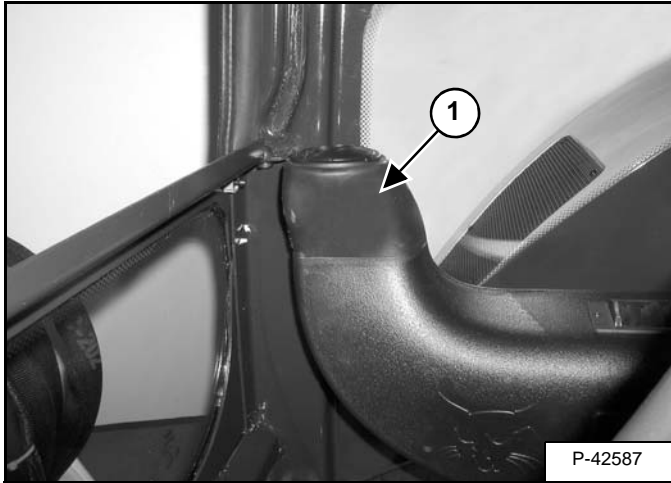
## OPERATOR CAB (ROPS / TOPS) (CONT'D)

### Heating, Ventilation And Air Conditioning Duct

**NOTE:** The air conditioner duct can be ordered and used on heater models.

There are two air ducts that the operator can choose to install.

**Figure 10-20-13**



The small duct (Item 1) [Figure 10-20-13] is standard for heater use.

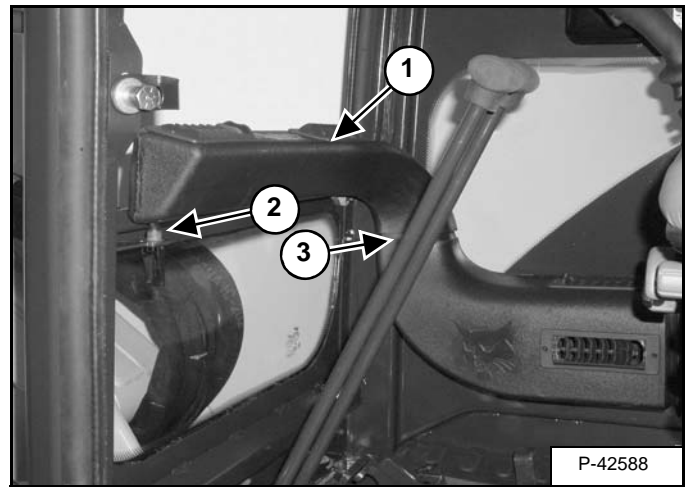
The large duct (Item 1) [Figure 10-20-13] is standard for models that have air conditioner available.

**NOTE:** This duct (Item 1) [Figure 10-20-13] can be removed for improved operator visibility.

#### *Installation*

Remove the screw and pull straight up to remove the duct (Item 1) [Figure 10-20-13].

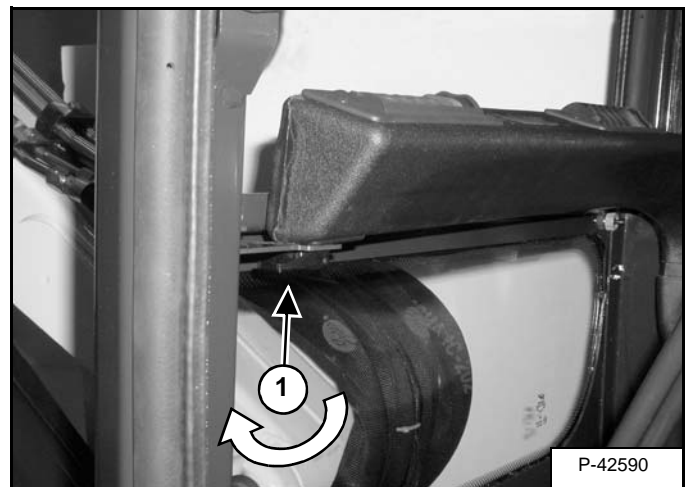
**Figure 10-20-14**



Place the air conditioning duct (Item 1) on the housing and over the locking stud (Item 2) [Figure 10-20-14].

Reinstall the screw (Item 3) [Figure 10-20-14].

**Figure 10-20-15**



Fully seat the duct and rotate the lock (Item 1) [Figure 10-20-15].

## TRANSPORTING THE EXCAVATOR ON A TRAILER

### Loading And Unloading

When transporting the machine, observe the rules, motor vehicle laws, and vehicle limit ordinances. Use a transport and towing vehicle of adequate length and capacity.

Secure the parking brakes and block the wheels of the transport vehicle.

Align the ramps with the center of the transport vehicle. Secure the ramps to the truck bed and be sure ramp angle does not exceed 15 degrees.

Use metal loading ramps with a slip resistant surface.

Use ramps that are the correct length and width and can support the weight of the machine.

The rear of the trailer must be blocked or supported when loading or unloading the machine to prevent the front of the transport vehicle from raising.

Determine the direction of the track movement before moving the machine (blade forward).

Engage the upperstructure slew lock.

**Figure 10-30-1**



Move the machine forward onto the transport vehicle **[Figure 10-30-1]**.

Do not change direction of the machine while it is on the ramps.

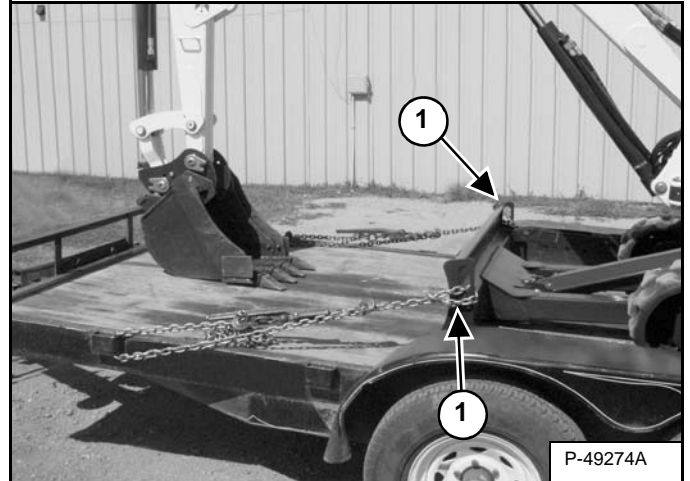
Lower the boom, arm, bucket, and blade to the transport vehicle.

Stop the engine and remove the key (if equipped).

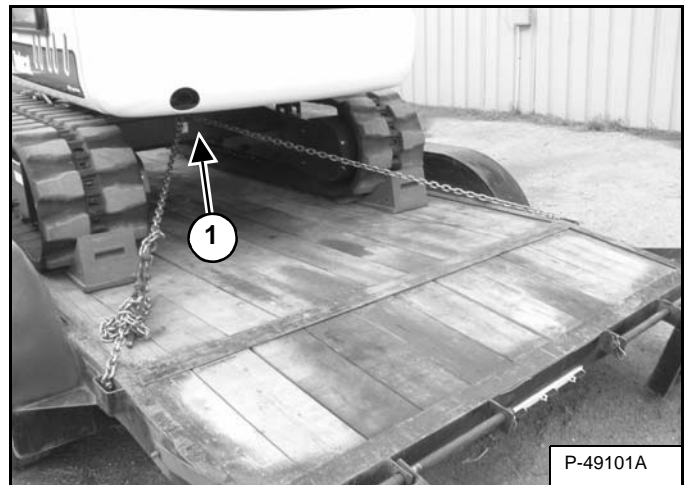
Put blocks at the front and rear of the tracks.

### Fastening

**Figure 10-30-2**



**Figure 10-30-3**



Fasten chains to the front corners of the blade (Item 1) **[Figure 10-30-2]** and to the tie down loop at the rear of the track frame (Item 1) **[Figure 10-30-3]** to prevent it from moving when going up or down slopes or during sudden stops.

Use chain binders to tighten the chains and then safely tie the chain binder levers to prevent loosening.

## **WARNING**

**AVOID SERIOUS INJURY OR DEATH**

**Adequately designed ramps of sufficient strength are needed to support the weight of the machine when loading onto a transport vehicle. Wood ramps can break and cause personal injury.**

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## TAILGATE

### Opening And Closing



AVOID INJURY OR DEATH

Never service or adjust the machine when the engine is running unless instructed to do so in the manual.

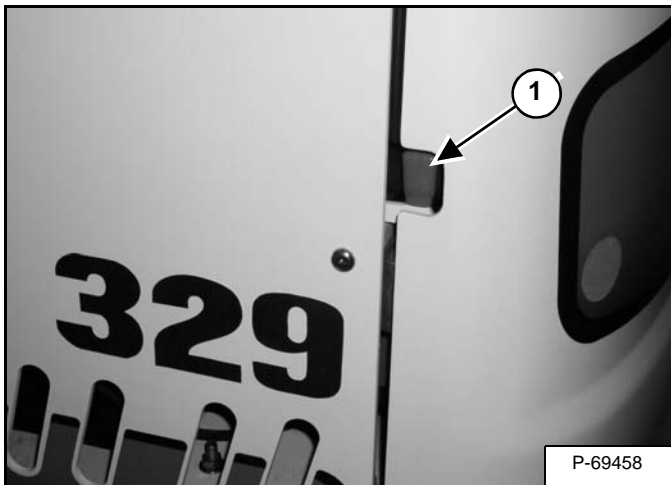
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Keep the rear door closed when operating the machine. Failure to do so could seriously injure a bystander.

W-2020-1285

Figure 10-40-1



Release the latch (Item 1) [Figure 10-40-1] and pull the tailgate open.

Push firmly to close the tailgate.

**NOTE:** The tailgate can be locked using the start key.

## Adjusting The Bumper

Figure 10-40-2

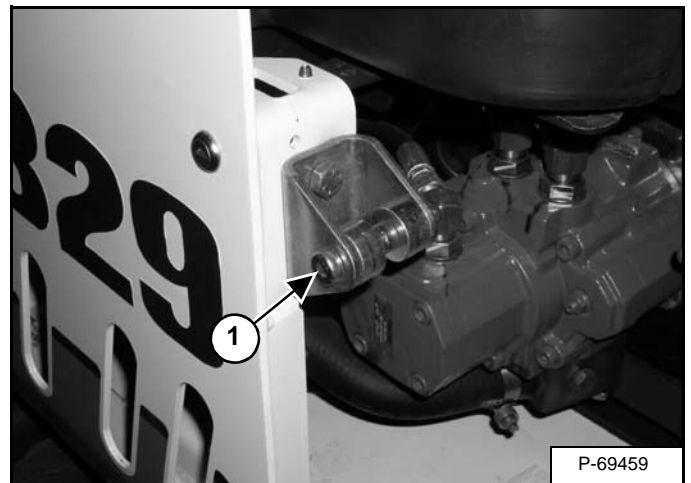


The door bumper (Item 1) [Figure 10-40-2] can be adjusted for alignment with the tailgate.

Close the tailgate before operating the excavator.

## Adjusting The Latch

Figure 10-40-3



The door latch (Item 1) [Figure 10-40-3] can be adjusted by loosening the two bolts, moving the latch, and tightening the two bolts.

Close the tailgate before operating the excavator.