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# Service Manual

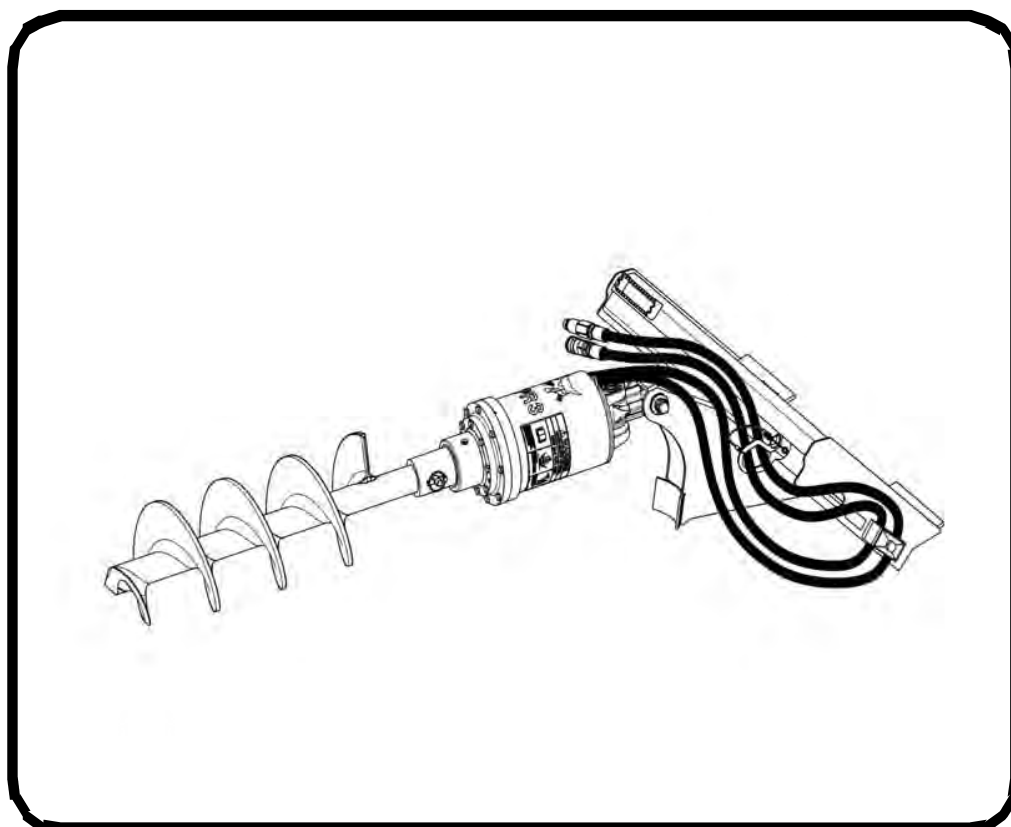
## Planetary Drive Auger

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**(PR3 Auger) S/N B3B300101 & Above**

**(PS7 Auger) S/N B3B400101 & Above**

**(PS5 Auger) S/N B3W600101 & Above**





# MAINTENANCE SAFETY



## WARNING

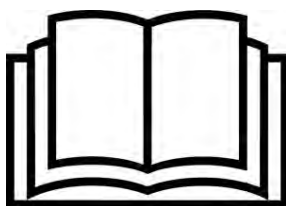
Instructions are necessary before operating or servicing machine. Read and understand the Operation & Maintenance Manual, Operator's Handbook and signs (decals) on machine. Follow warnings and instructions in the manuals when making repairs, adjustments or servicing. Check for correct function after adjustments, repairs or service. Untrained operators and failure to follow instructions can cause injury or death.

W-2003-0807











**Safety Alert Symbol:** This symbol with a warning statement, means: "Warning, be alert! Your safety is involved!" Carefully read the message that follows.

CORRECT



P-90216

-  Never service attachments / implements without instructions. See Operation & Maintenance Manual and Attachment / Implement Service Manual.
-  Cleaning and maintenance are required daily.
-  Never service or adjust attachment / implement with the engine running unless instructed to do so in manual.
-  Always lower the attachment / implement to the ground before lubricating or servicing.
-  Avoid contact with leaking hydraulic fluid or diesel fuel under pressure. It can penetrate skin or eyes.
-  Stop, cool and clean engine of flammable materials before checking fluids.
-  Keep body, loose objects and clothing away from moving parts, electrical contacts, hot parts and exhaust.
-  Safety glasses are needed for eye protection from electrical arcs, battery acid, compressed springs, fluids under pressure and flying debris or when tools are used. Use eye protection approved for type of welding.

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**Thanks very much for your reading,  
Want to get more information,  
Please click here, Then get the complete  
manual**

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**NOTE:**

**If there is no response to click on the link above,  
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click on it.**

**Have any questions please write to me:  
[admin@servicemanualperfect.com](mailto:admin@servicemanualperfect.com)**

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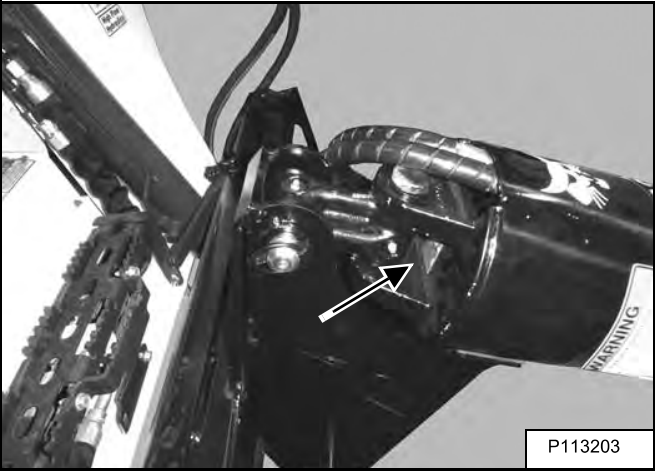




SERIAL NUMBER LOCATION

Attachment Serial Number

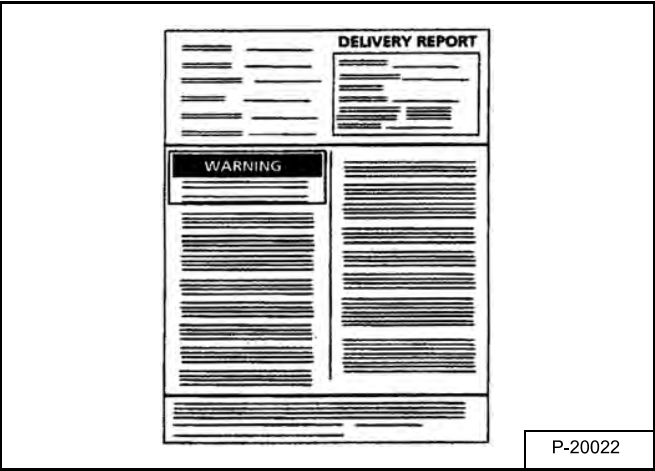
Figure 1



Always use the serial number of the planetary drive auger when requesting service information or when ordering parts. Early or later models (identification made by serial number) may use different parts, or it may be necessary to use a different procedure in doing a specific service operation **[Figure 1]**.

DELIVERY REPORT

Figure 2



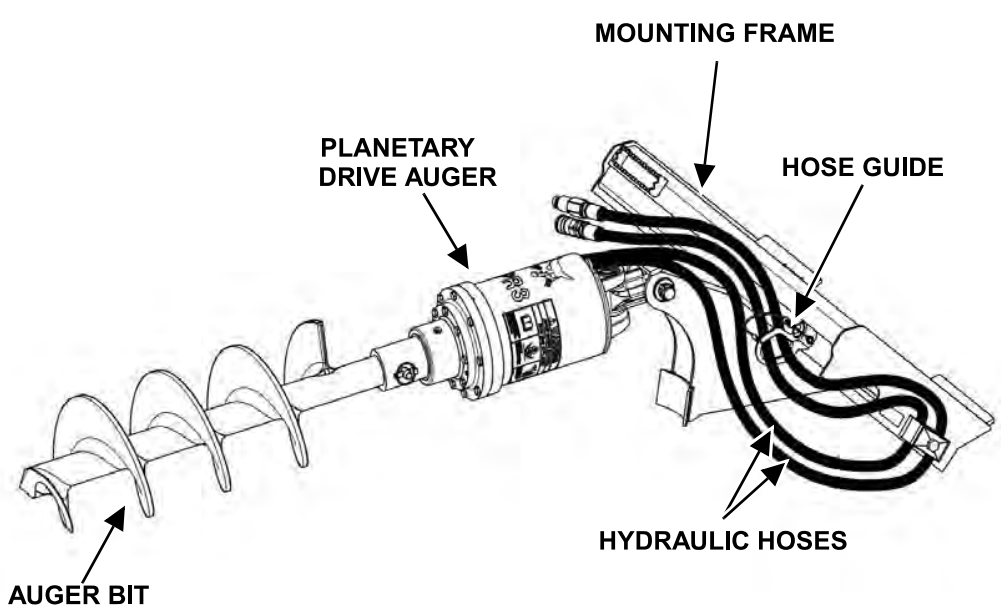
The delivery report **[Figure 2]** contains a list of items that must be explained or shown to the owner or operator by the dealer when the Bobcat planetary drive auger is delivered.

The delivery report must be reviewed and signed by the owner or operator and the dealer.

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ATTACHMENT IDENTIFICATION

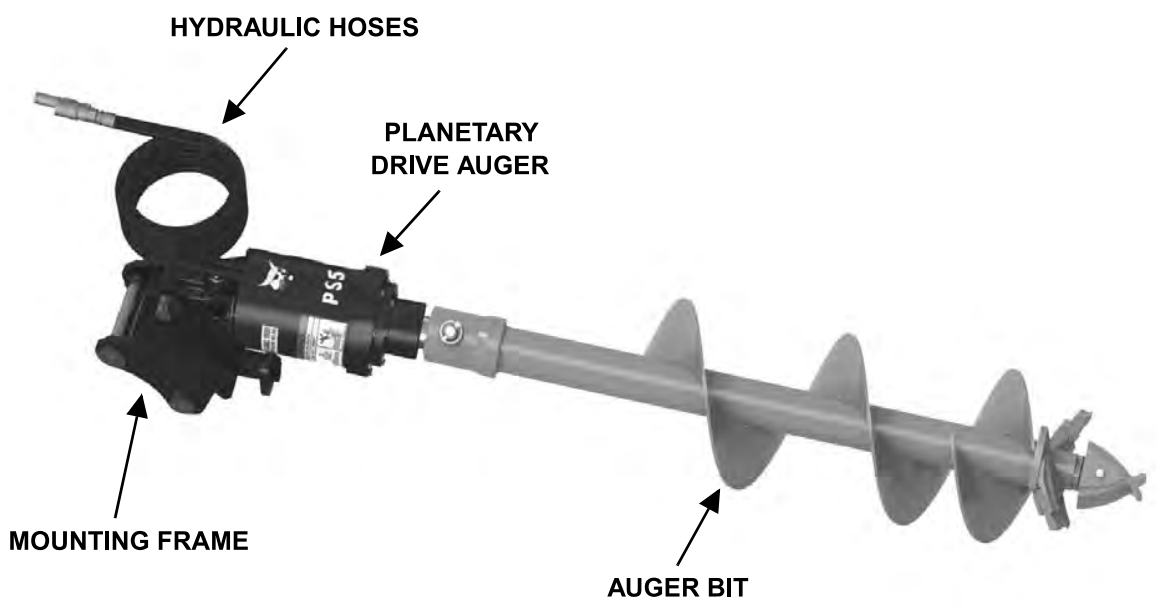
**MODELS PR3 AND PS7**



This diagram illustrates the components of the Planetary Drive Auger Models PR3 and PS7. The assembly consists of a long, double-flute auger bit at the end of a shaft, connected to a planetary drive auger housing. This housing is mounted to a mounting frame. Two thick hydraulic hoses are connected to the side of the planetary drive housing, and a hose guide is used to route them along the mounting frame. Labels with arrows point to the following parts: AUGER BIT, PLANETARY DRIVE AUGER, MOUNTING FRAME, HOSE GUIDE, and HYDRAULIC HOSES.

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**MODEL PS5**



This diagram illustrates the components of the Planetary Drive Auger Model PS5. The assembly features a long, double-flute auger bit connected to a planetary drive auger housing. The housing is mounted to a mounting frame. Two thick hydraulic hoses are connected to the top of the planetary drive housing. Labels with arrows point to the following parts: HYDRAULIC HOSES, PLANETARY DRIVE AUGER, MOUNTING FRAME, and AUGER BIT.

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## SAFETY & MAINTENANCE

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## TROUBLESHOOTING

### Chart

 <b>WARNING</b>	<p>Instructions are necessary before operating or servicing machine. Read and understand the Operation &amp; Maintenance Manual, Operator's Handbook and signs (decals) on machine. Follow warnings and instructions in the manuals when making repairs, adjustments or servicing. Check for correct function after adjustments, repairs or service. Untrained operators and failure to follow instructions can cause injury or death.</p> <p style="text-align: right;">W-2003-0807</p>
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If the direct drive auger is not working correctly, check the hydraulic system of the machine thoroughly before making any repairs on the direct drive auger. Direct drive auger problems can be affected by a hydraulic system that is not operating to specifications. Connect a flow meter to the machine to check the hydraulic pump output, relief valve setting and tube lines to check flow and pressure. (See the machine's Service Manual for the correct procedure to connect the flow meter.)

Use the following troubleshooting chart to locate and correct problems which most often occur with the direct drive auger.

PROBLEM	CAUSE	CORRECTION
Auger does not mount properly on the Bob-Tach.	Bob-Tach wedges are not fully retracted.	Retract Bob-Tach wedges.
	Mud, dirt or stones are lodged between the Bob-Tach and the auger mount.	Remove debris from between Bob-Tach and auger mount.
Auger does not mount properly on the Pin Grabber Quick Coupler.	Pin Grabber jaw is not fully retracted.	Retract Pin Grabber Jaw.
	Mud, dirt or stones are lodged between the Pin Grabber Quick Coupler and the auger mount.	Remove debris from between Pin Grabber Quick Coupler and auger mount.
Auger does not rotate.	No hydraulic flow.	Activate loader front auxiliary hydraulics.  Check quick couplers connection. Check for damaged hose ends and fittings.
	Auger pin missing or broken.	Replace auger pin.
Auger does not dig efficiently.	Worn or damaged auger teeth.	Replace teeth.

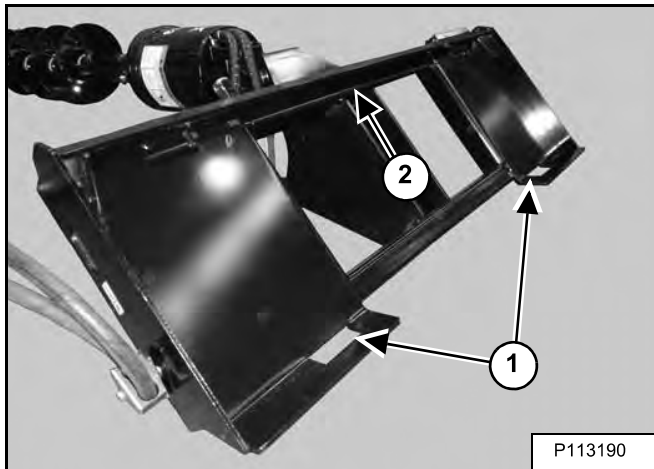
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## DAILY INSPECTION

### Bob-Tach

Figure 10-20-1



Inspect the Bob-Tach™ wedge mounts (Item 1), mounting flange (Item 2) [Figure 10-20-1] and all welds on the auger for wear and damage each time the auger is removed from the machine.

#### Hand Lever Bob-Tach

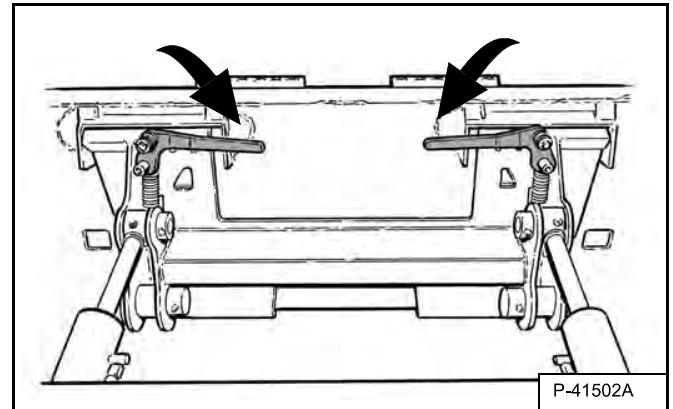
## WARNING

### 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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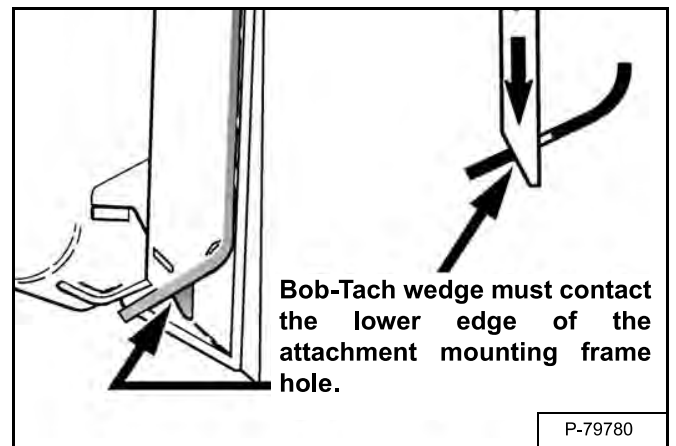
Figure 10-20-2



Push down on the Bob-Tach levers until they are fully engaged in the locked position [Figure 10-20-2] (wedges fully extended through the attachment mounting frame holes).

The levers and wedges must move freely [Figure 10-20-2].

Figure 10-20-3



The wedges must extend through the holes in the attachment mounting frame, securely fastening the attachment to the Bob-Tach [Figure 10-20-3].

**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.**

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. Keep all fasteners tight. Look for cracked welds.

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

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DAILY INSPECTION (CONT'D)

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 10-20-4

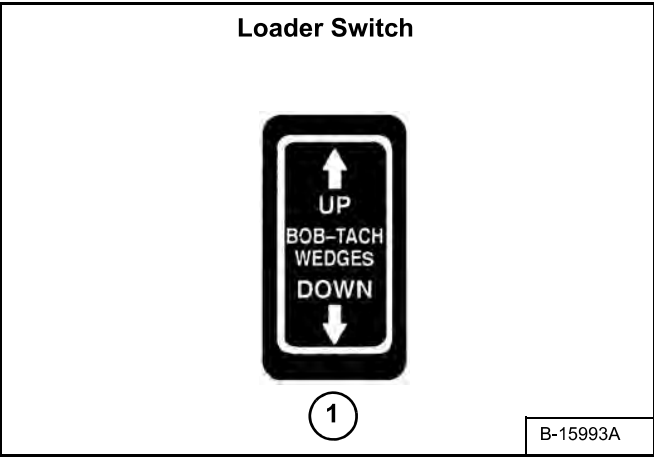
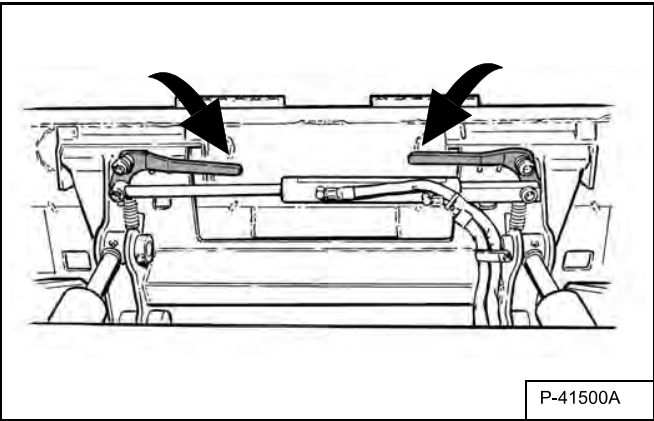
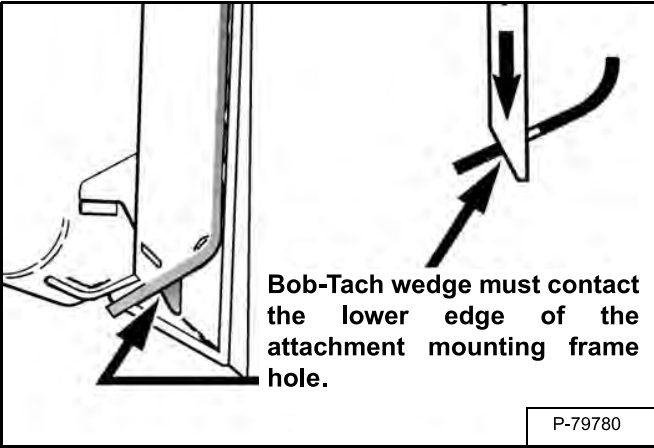


Figure 10-20-5



Push and hold the BOB-TACH “WEDGES DOWN” switch (Item 1) [Figure 10-20-4] until the levers are fully engaged in the locked position [Figure 10-20-5] (wedges fully extended through the attachment mounting frame holes).

Figure 10-20-6



The wedges must extend through the holes in the attachment mounting frame, securely fastening the attachment to the Bob-Tach [Figure 10-20-6].

**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.

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. Keep all fasteners tight. Look for cracked welds.

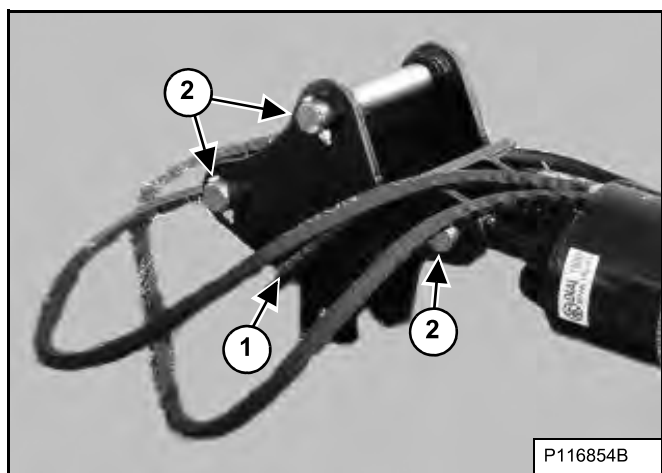
Lubricate the wedges. (See the machine's Operation & Maintenance Manual for the correct procedure.)

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## DAILY INSPECTION

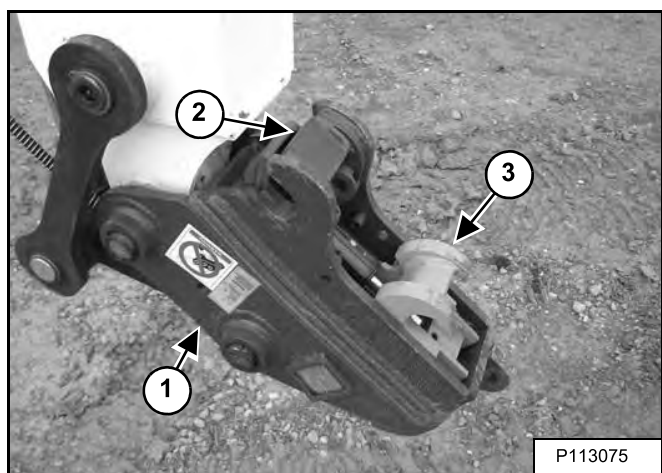
### Pin Grabber Coupler

Figure 10-20-7



Inspect the excavator mount (Item 1), mounting pins (Item 2) [Figure 10-20-7], welds, and fasteners on the auger for damage and tightness.

Figure 10-20-8



Inspect the Pin Grabber Quick Coupler on the excavator (Item 1) [Figure 10-20-8].

Check for wear or damage to the hook (Item 2) and sliding jaw (Item 3) [Figure 10-20-8].

Check for proper operation of the coupler. (See excavator Operation & Maintenance Manual for procedures.)



**Bobcat®**

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