

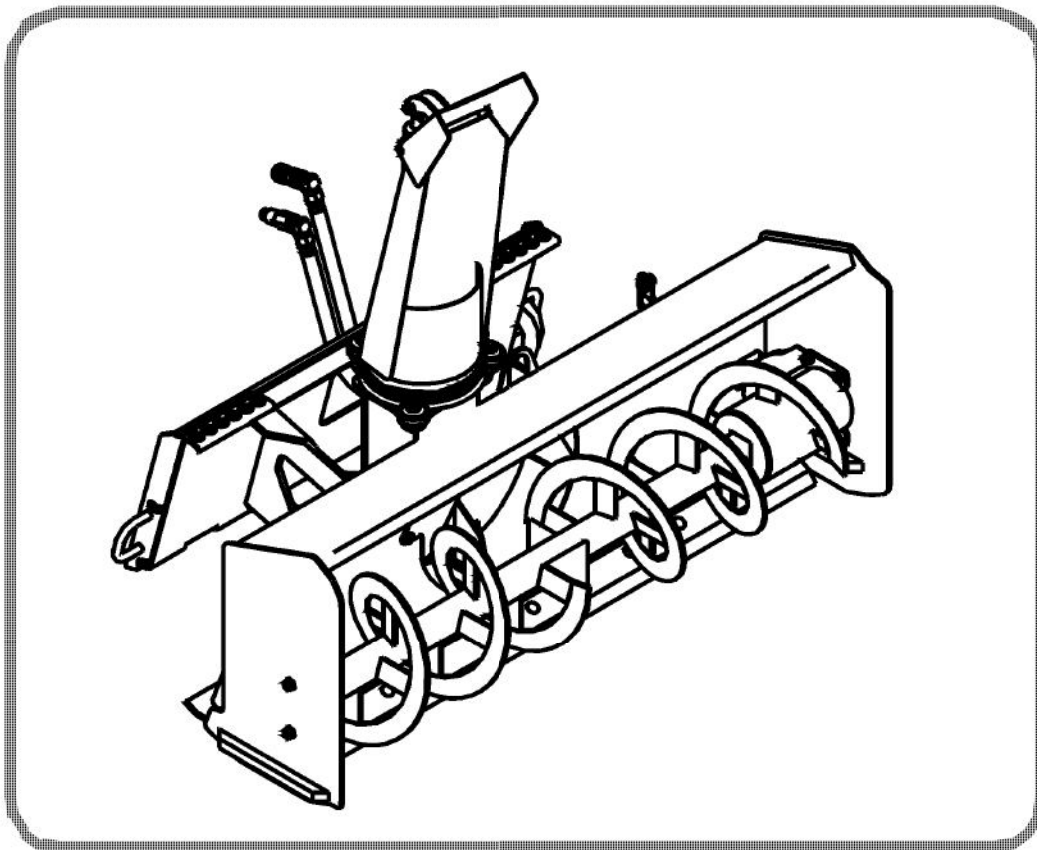


Bobcat®

Service Manual Snowblower

SB150 (36 In) S/N 713400101 & Above
(48 In) S/N 713300101 & Above
SB200 (54 In) S/N 713500101 & Above
(60 In) S/N 712700101 & Above
(66 In) S/N 712800101 & Above
(72 In) S/N 712900101 & Above
(78 In) S/N 713000101 & Above

SB240 (72 In) S/N 713100101 & Above
(84 In) S/N 713200101 & Above
SBX240 (72 In) S/N A00F00101 & Above
(84 In) S/N 713600101 & Above



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MAINTENANCE SAFETY



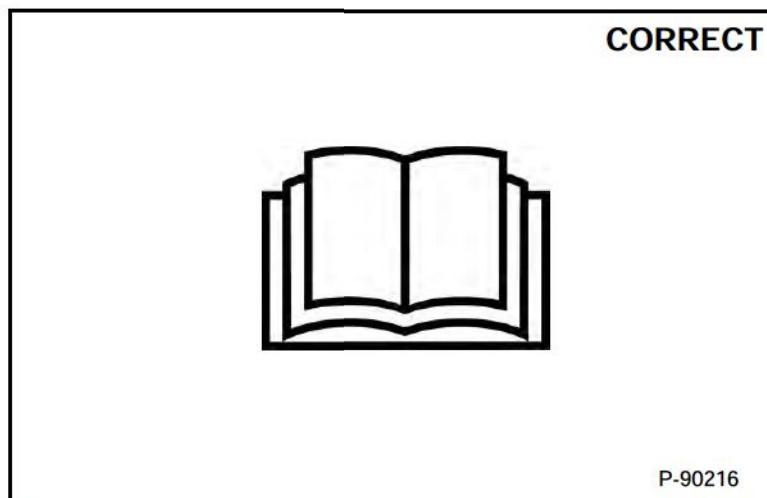
WARNING









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.



-  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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MSW30-0409

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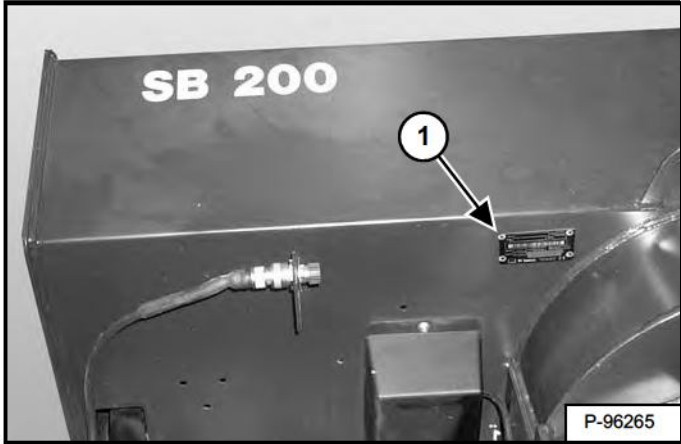
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FOREWORD

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SERIAL NUMBER LOCATION

Figure 1



Always use the serial number (Item 1) [Figure 1] of the snowblower 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.

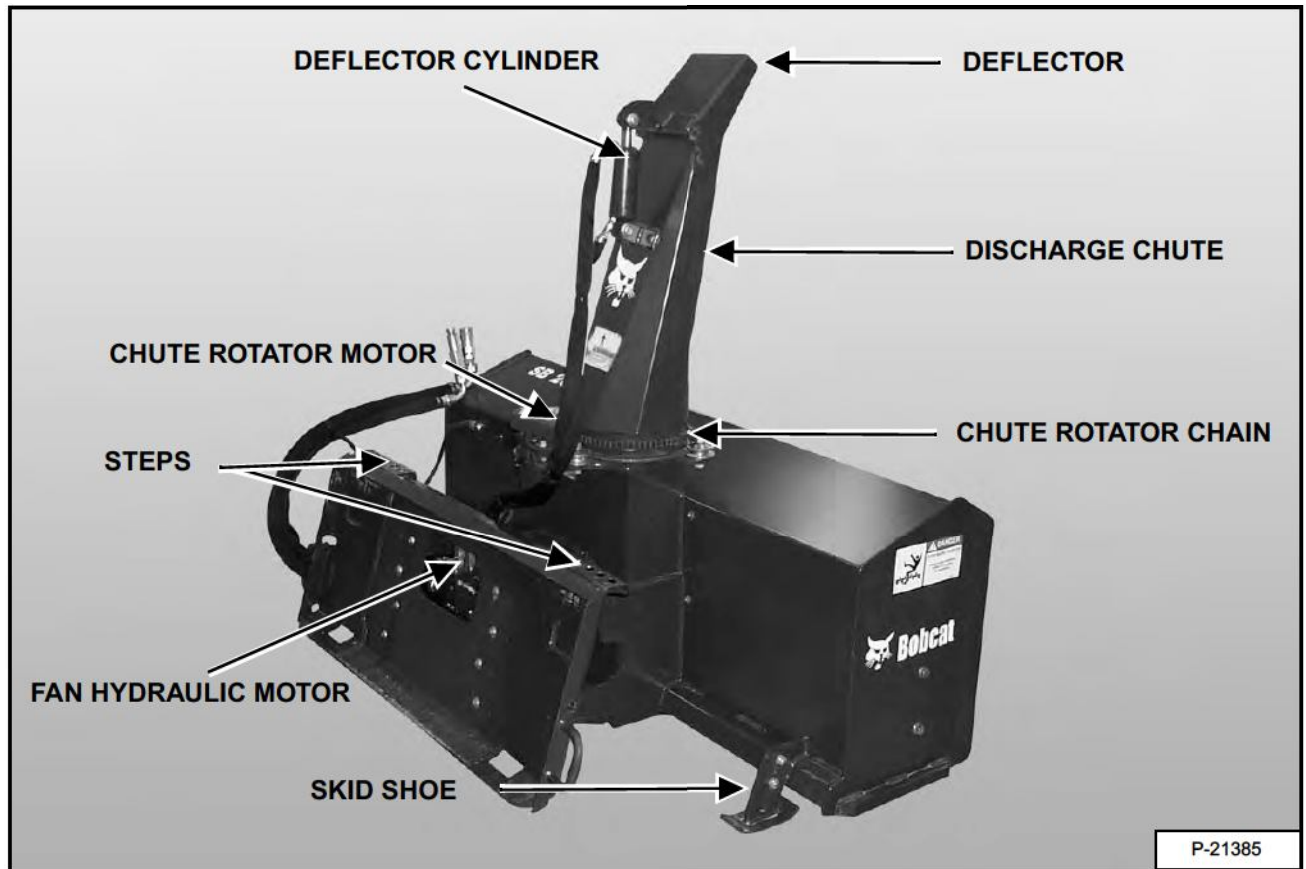
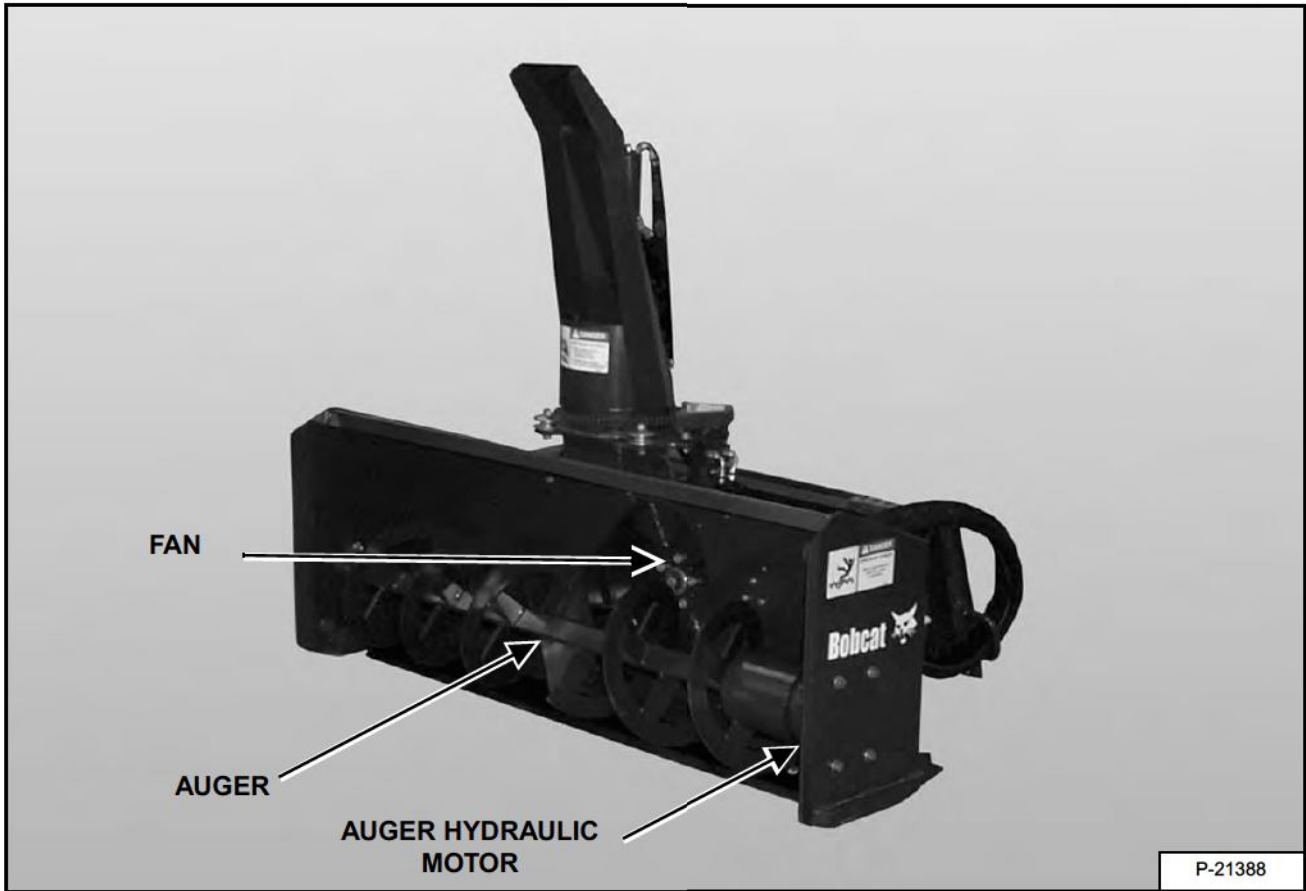
ATTACHMENT DELIVERY REPORT

Figure 2



The delivery report [Figure 2] must be completed by the dealer and signed by the owner or operator when the snowblower is delivered. An explanation of the form must be given to the owner.

ATTACHMENT IDENTIFICATION




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SAFETY & MAINTENANCE

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TROUBLESHOOTING

Chart

 WARNING	<p>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.</p> <p style="text-align: right;">W-2003-0807</p>
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Use the following troubleshooting chart to locate and correct problems which most often occur with the implement.

PROBLEM	CAUSE	CORRECTION
Snowblower does not operate.	Loader main relief valve set to low.	Adjust main relief valve to correct setting.
	Loader fluid reservoir is to low.	Add hydraulic fluid to the fluid reservoir on the loader.
	Loader hydraulic pump not working.	Check flow of hydraulic pump. Repair or replace as needed.
	Attachment control wire harness damaged.	Repair or replace wire harness.
	Damaged quick couplers.	Replace quick couplers.
	Auxiliary hydraulics not engaged.	Engage auxiliary hydraulics.
Chute does not rotate.	Damaged hydraulic motor.	Repair or replace.
	Loose or broken chute rotation chain.	Repair or replace.
Deflector does not adjust.	Damaged cylinder.	Repair or replace.
Snowblower cuts too low/too high.	Skid shoes out of adjustment.	Raise or lower skid shoes as needed.

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INSPECTION

Hand Lever Bob-Tach Inspection

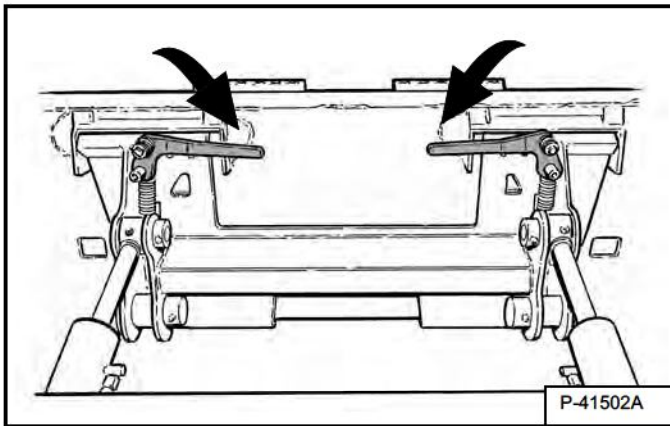
WARNING

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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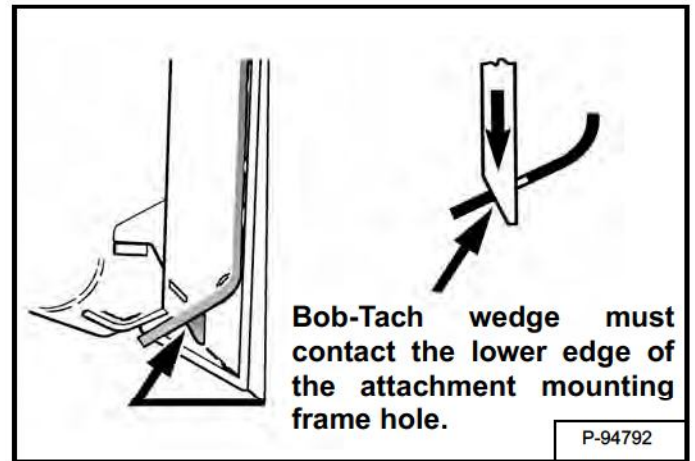
Figure 10-20-1



Push down on the Bob-Tach levers until they are fully engaged in the locked position [Figure 10-20-1] (wedges fully extended through the attachment mounting frame holes).

The levers and wedges must move freely [Figure 10-20-1].

Figure 10-20-2



The wedges must extend through the holes in the attachment mounting frame, securely fastening the attachment to the Bob-Tach [Figure 10-20-2].

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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INSPECTION (CONT'D)

Power Bob-Tach Inspection

! 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.

W-2715-0208

Figure 10-20-3

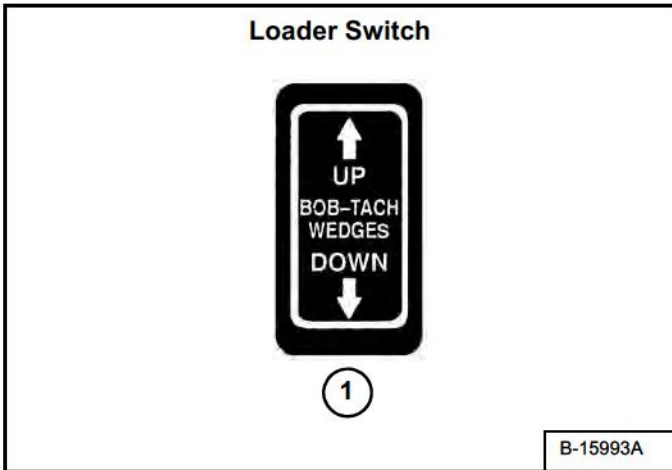


Figure 10-20-4

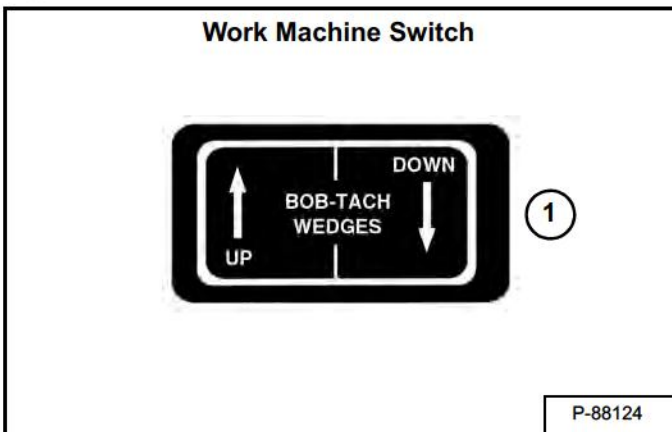
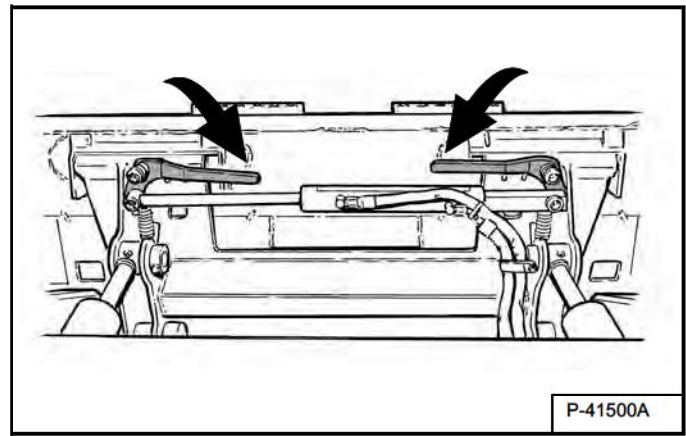
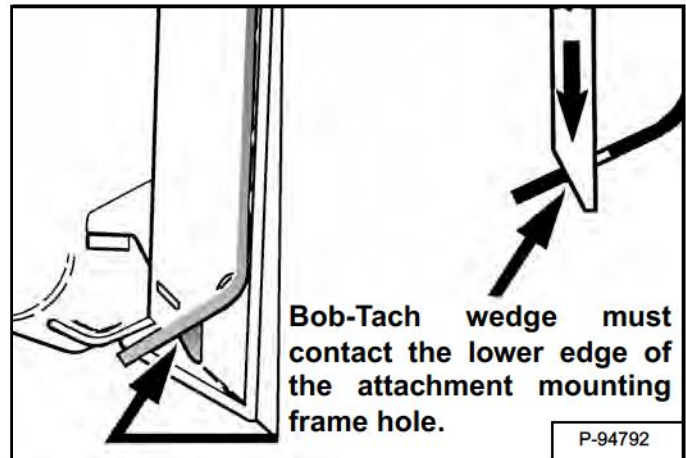


Figure 10-20-5



Push and hold the BOB-TACH "WEDGES DOWN" switch (Item 1) [Figure 10-20-3] or [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.

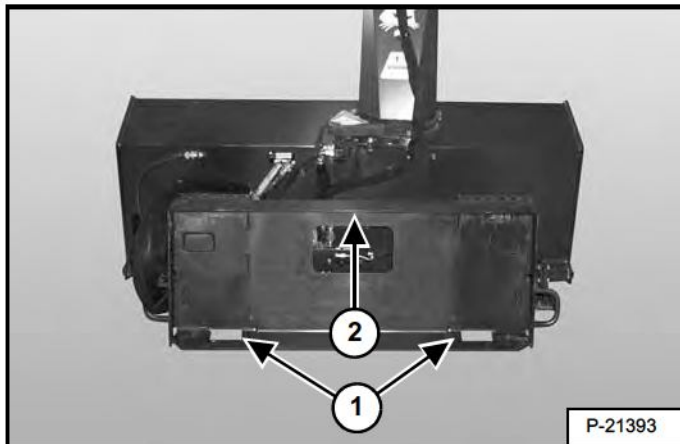
Inspect the mounting frame on the attachment. (See the machine's Operation & Maintenance Manual for inspecting the Bob-Tach). Replace any parts that are damaged, bent or missing. Keep all fasteners tight. Look for cracked welds.

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

INSPECTION (CONT'D)

Snowblower Mount Inspection

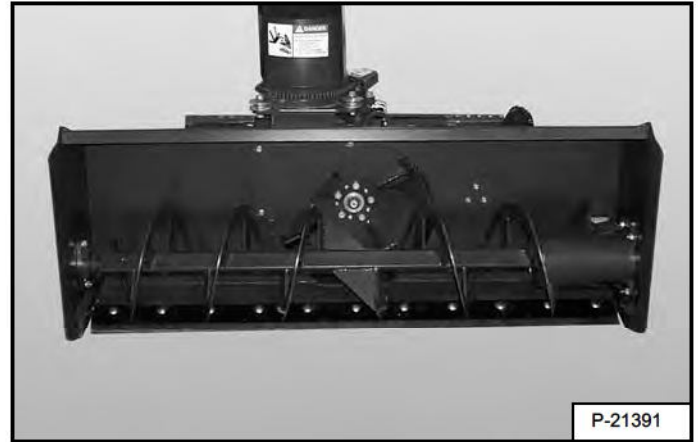
Figure 10-20-7



Inspect the Bob-Tach wedge mount (Item 1), mounting flange (Item 2) and all welds on the snowblower mount for wear and damage each time the snowblower is removed from the loader **[Figure 10-20-7]**.

Daily Inspection

Figure 10-20-8

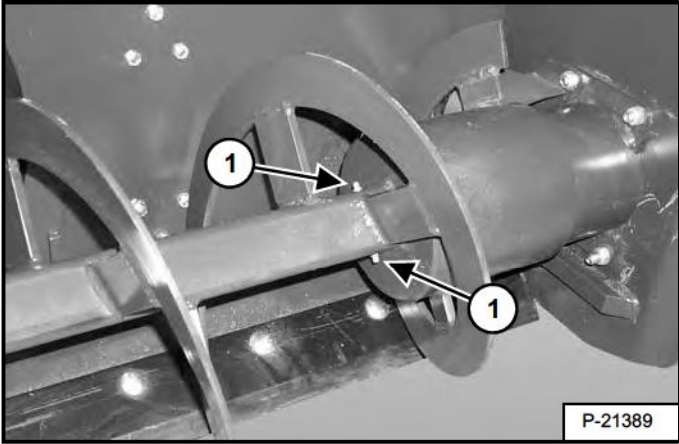


Inspect all welds for cracks/damage. Check for loose or missing hardware **[Figure 10-20-8]**.

LUBRICATION

Lubrication Locations

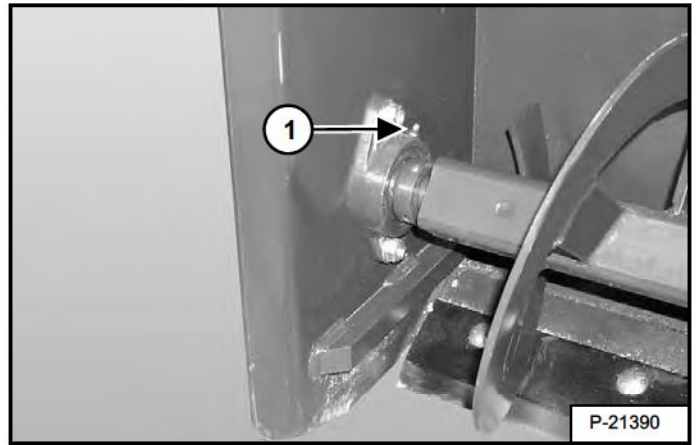
Figure 10-30-1



Always use a good quality lithium base grease when lubricating the snowblower.

Add grease to the fittings (Item 1) [Figure 10-30-1] on the left side of the auger shaft.

Figure 10-30-2

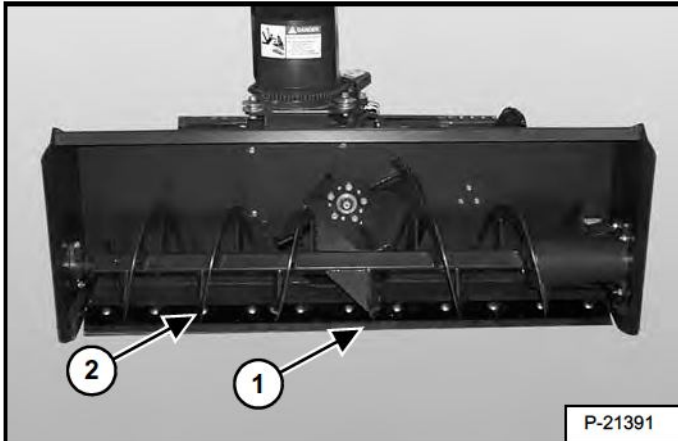


Add grease to the fitting (Item 1) [Figure 10-30-2] on the right side of the auger shaft.

CUTTING EDGE

Cutting Edge Replacement

Figure 10-40-1



Inspect the cutting edge (Item 1) [Figure 10-40-1] for wear and / or damage.

Remove the bolts and nuts (Item 2) [Figure 10-40-1].

Installation: Tighten the bolts to 88 - 95 N•m (65 - 70 ft-lb) Torque.

Remove / replace the cutting edge (Item 1) [Figure 10-40-1].

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