

Snow Blower

Model 1412

Model 1812

Model 2118

Model 2418



Bobcat®

Service Manual

S/N 715700101 & Above

S/N 711700101 & Above

S/N 711800101 & Above

S/N 711900101 & Above

S/N 712000101 & Above

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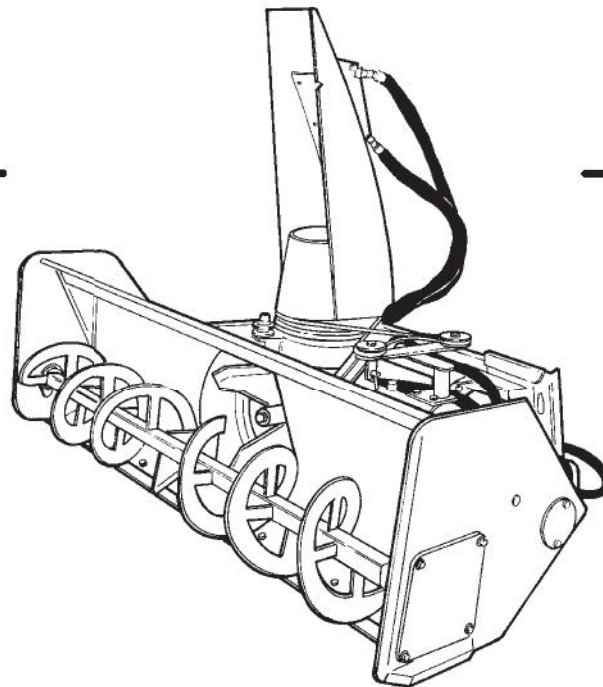
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MAINTENANCE SAFETY



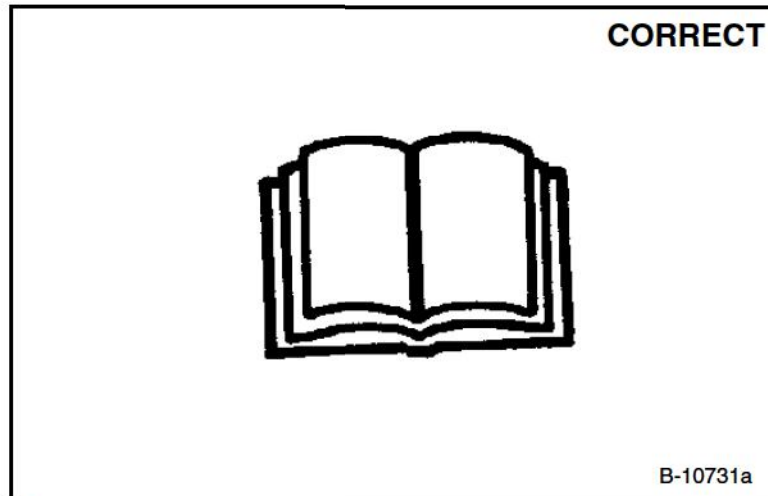
WARNING









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-2003-0903



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 without instructions. See Operation & Maintenance Manual and Attachment Service Manual.
-  Cleaning and maintenance are required daily.
-  Never service or adjust attachment with the engine running unless instructed to do so in manual.
-  Always lower the attachment 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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**SAFETY AND
MAINTENANCE**

**HYDRAULIC
SYSTEM**

**ELECTRICAL
SYSTEM**

**MAIN
FRAME**

**SPECIFICATIONS
AND
SCHEMATICS**

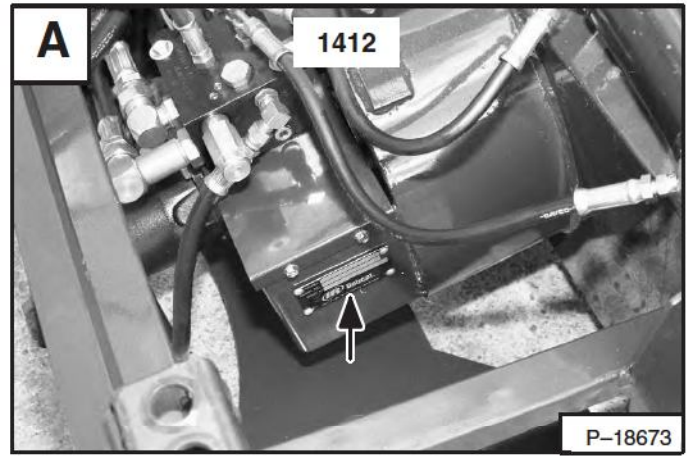
**CALIFORNIA
PROPOSITION 65 WARNING**

Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects and other reproductive harm.

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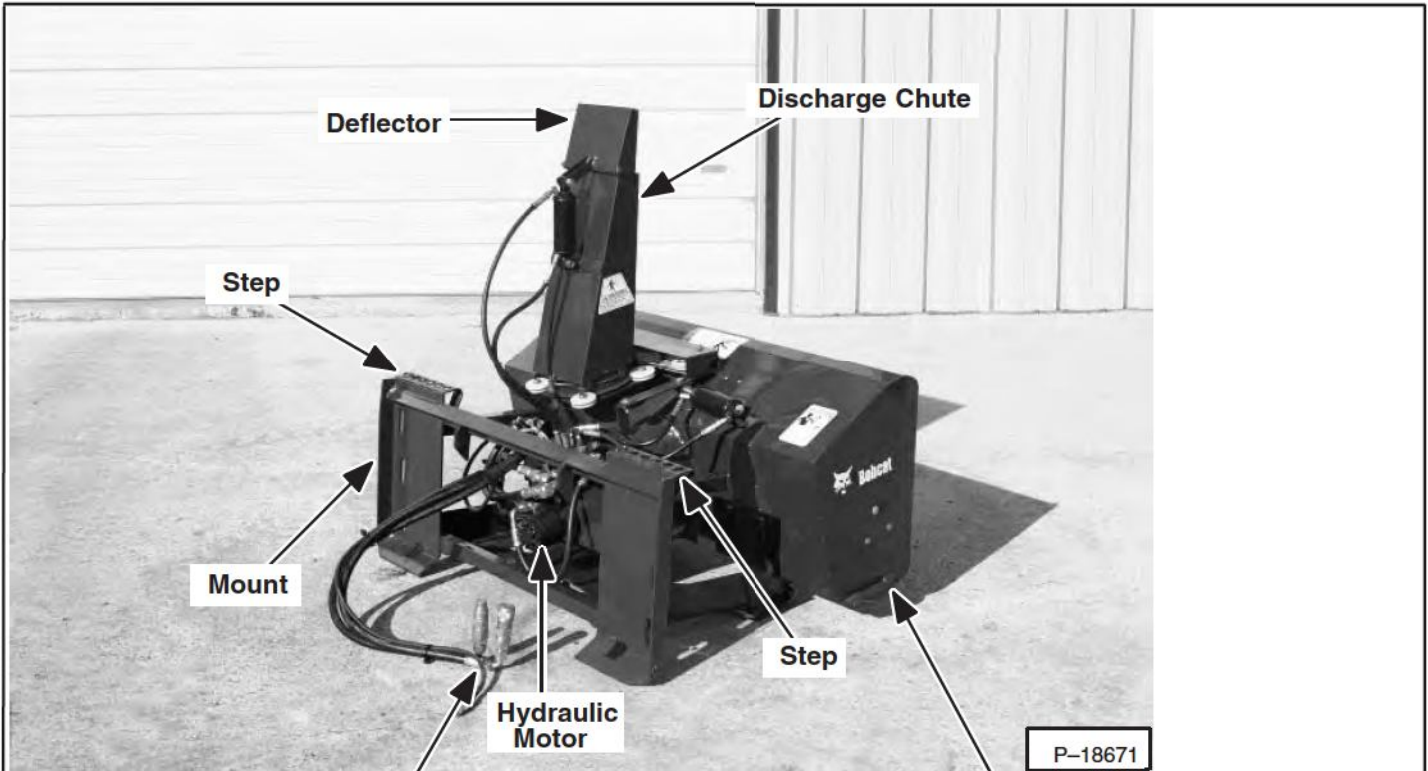
SERIAL NUMBER LOCATION

Always use the serial number of the attachment 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 [A], [B] and [C].



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PARTS IDENTIFICATION (MODEL 1412)



Deflector

Discharge Chute

Step

Mount

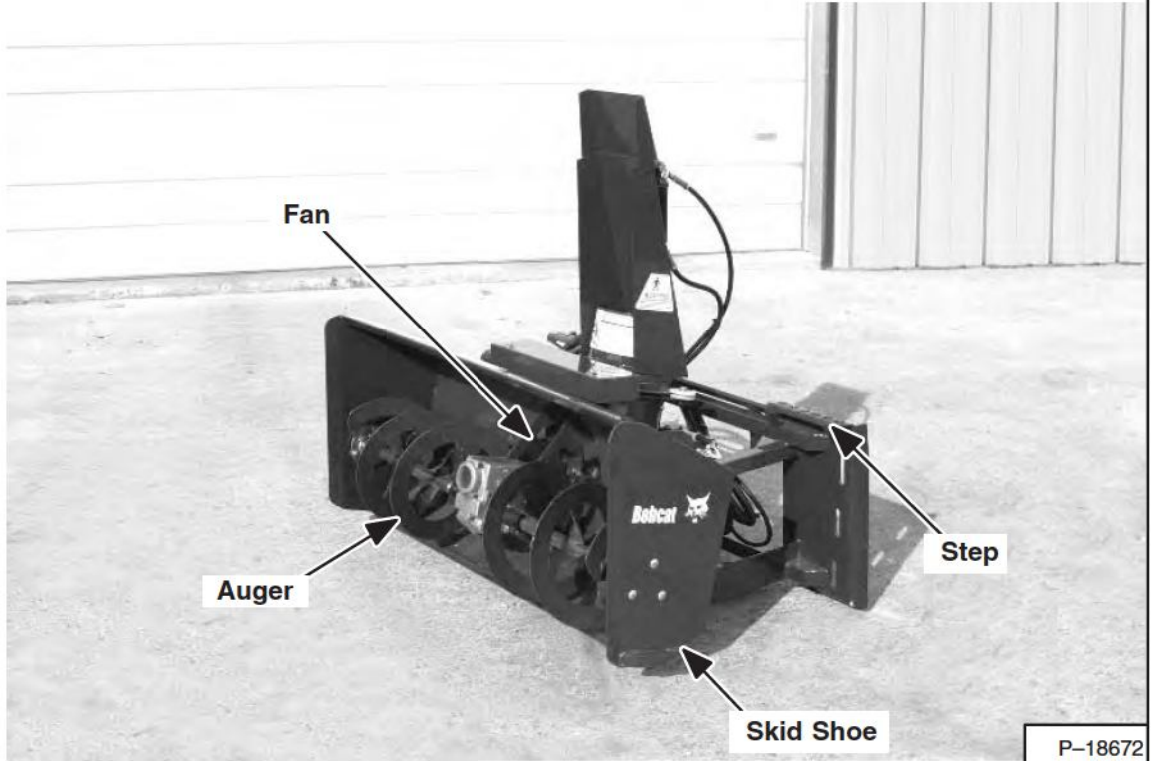
Hydraulic Motor

Step

Quick Couplers

Skid Shoe

P-18671



Fan

Auger

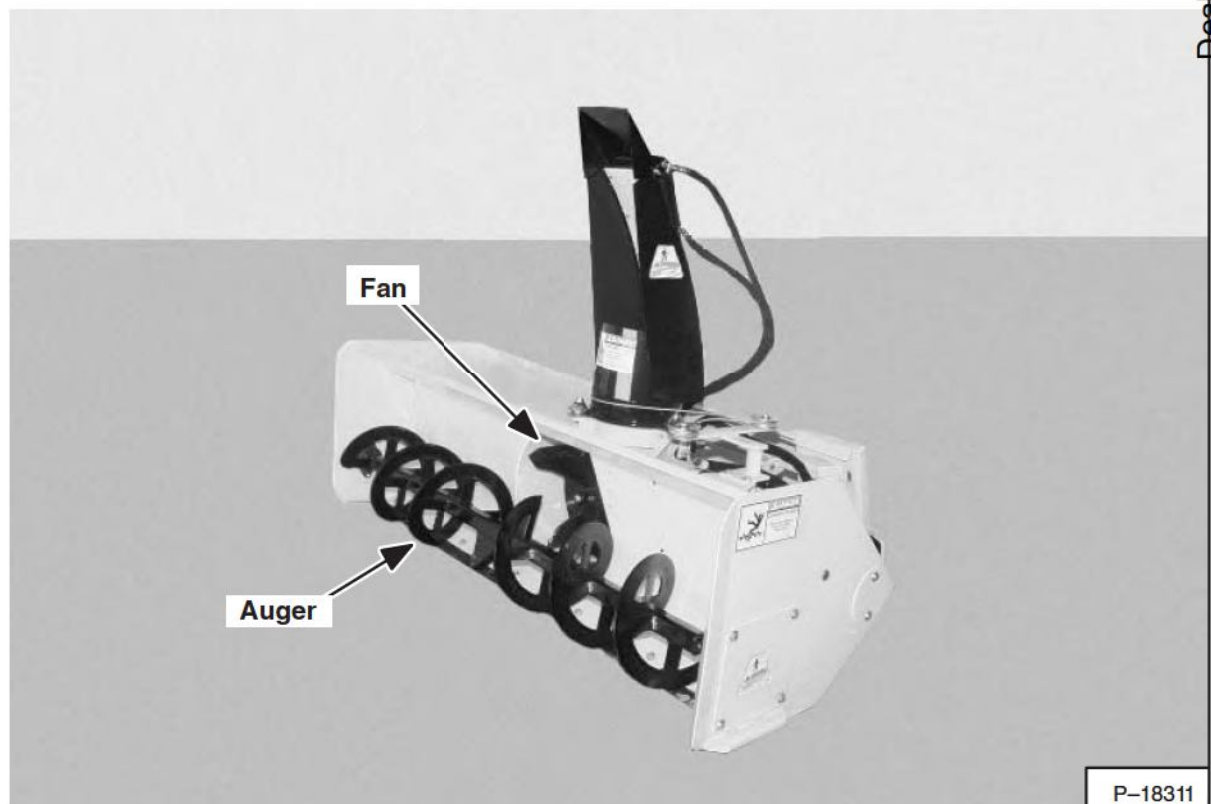
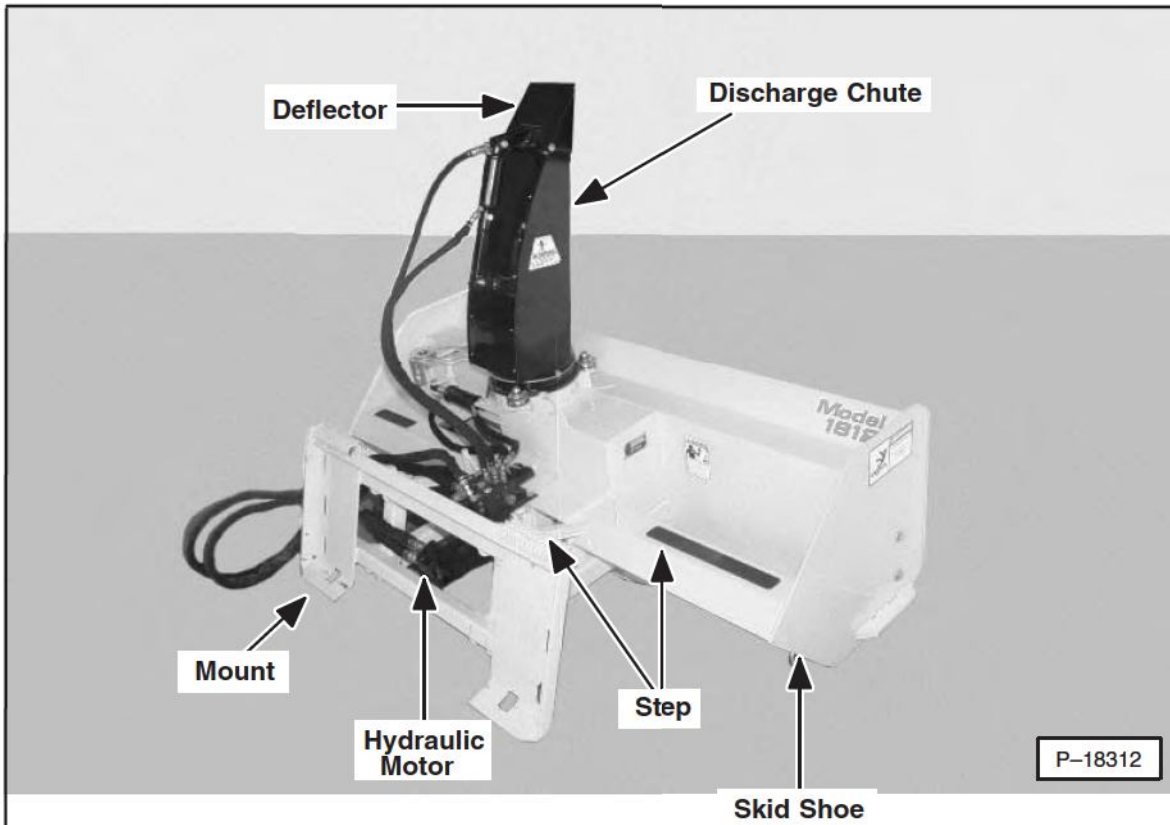
Step

Skid Shoe

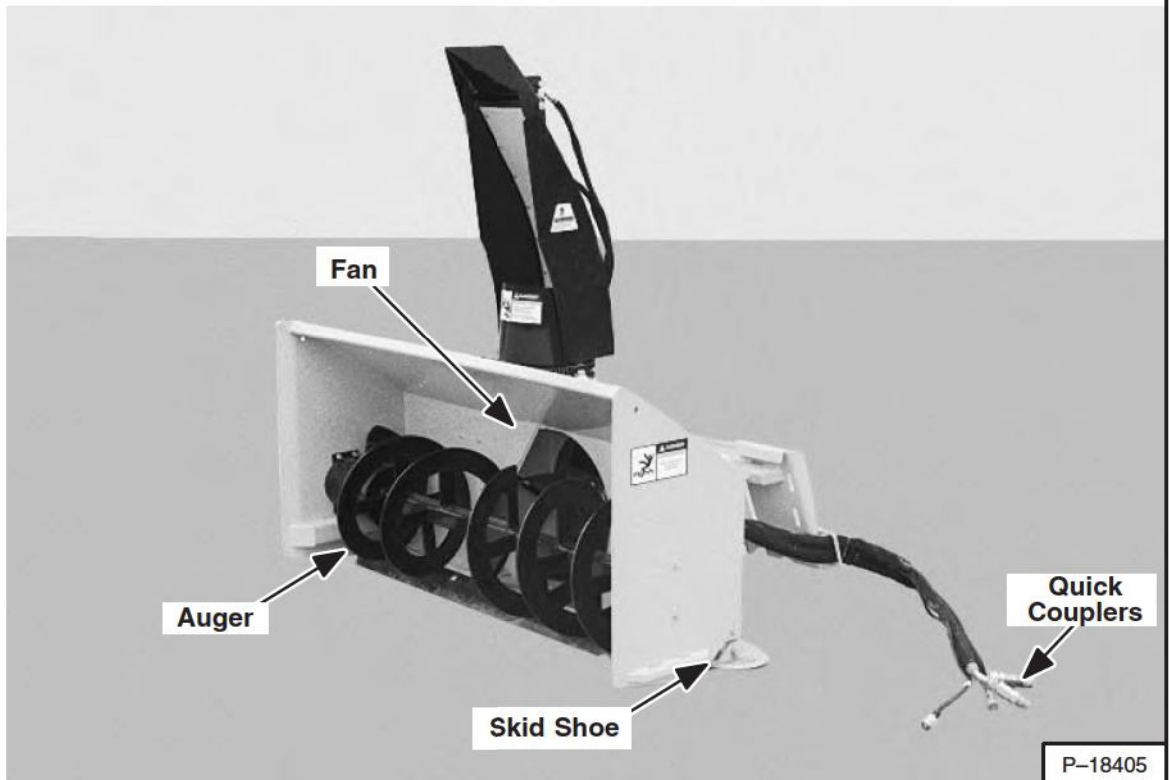
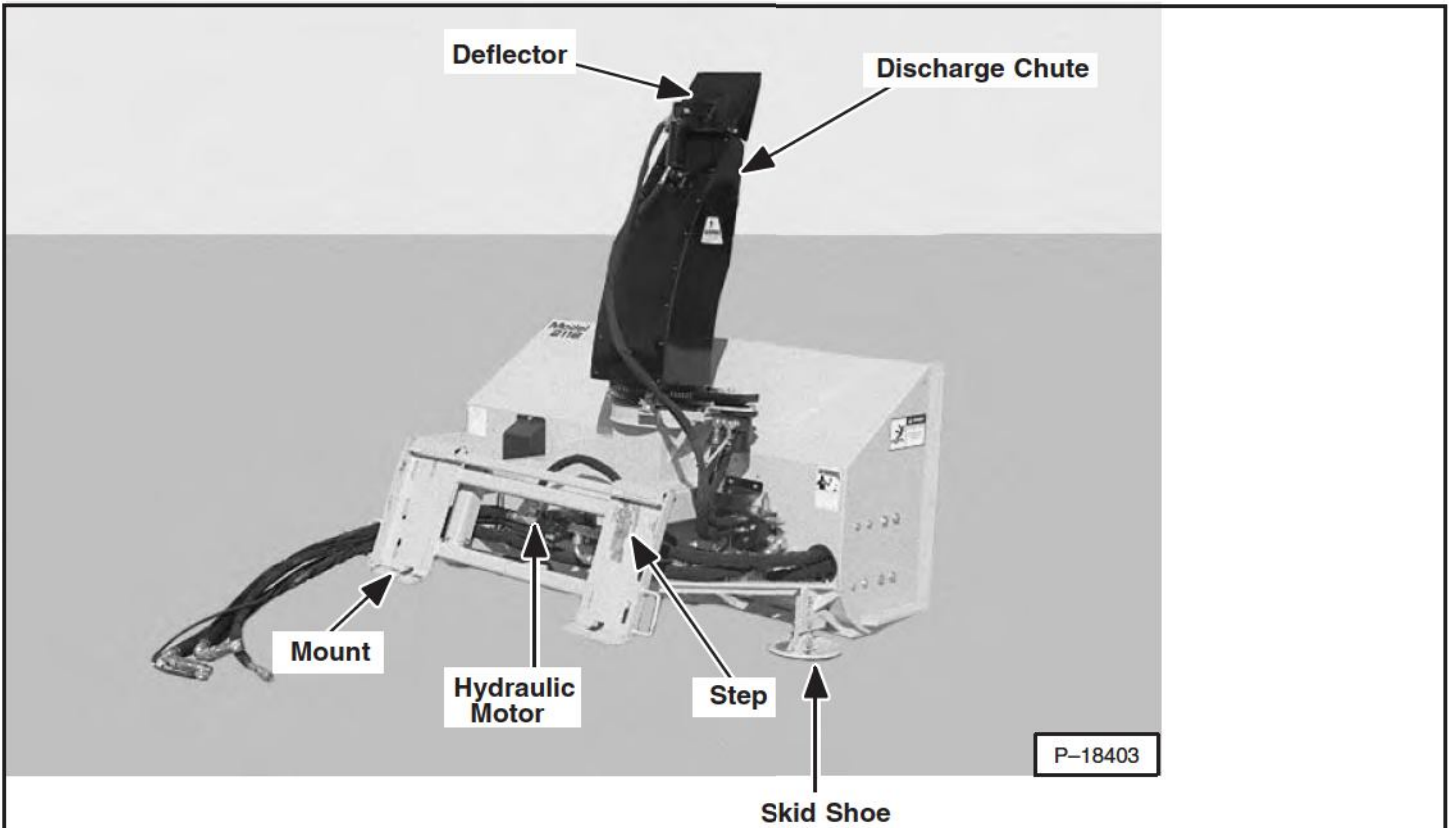
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PARTS IDENTIFICATION (MODEL 1812)



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SAFETY AND MAINTENANCE

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**SAFETY AND
MAINTENANCE**

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TROUBLESHOOTING



WARNING

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W-2003-0199

If the attachment is not working correctly, check the hydraulic system of the Bobcat loader thoroughly before making any repairs on the attachment. Attachment problems can be affected by a hydraulic system that is not operating to specifications or such problems as a plugged fuel filter or hydraulic filter in the loader. Connect a flow meter to the loader to check the hydraulic pump output, relief valve setting and tubelines to check flow and pressure. (See the loader Service Manual for the correct procedure to connect the flow meter.)

PROBLEM	CAUSE	CORRECTION
Snow Blower does not operate.	Loader main relief valve set too low.	Adjust main relief valve to correct setting.
	Loader fluid reservoir is low.	Add hydraulic fluid to the fluid reservoir in the loader.
	No hydraulic flow to the snow blower.	Check the hydraulic flow.
	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.
Auger does not rotate.	Broken auger shear pin.	Replace shear pin.
	Auger drive chain damaged or broken.	Repair or replace auger drive chain.
	Auger relief valve set too low. (Model 2118/2418 only)	Set relief valve to higher pressure.
Chute does not rotate.	Damaged cylinder, motor or actuator.	Repair or replace cylinder, motor or actuator.
	Loose or broken chute rotation cable or chain.	Replace or adjust chute rotation cable or chain.
	Damaged wire harness.	Repair or replace wire harness.
	Damaged solenoid or relay.	Replace solenoid or relay.
Deflector does not adjust.	Damaged cylinder or actuator.	Repair or replace cylinder, or actuator.
	Damaged solenoid or relay.	Replace solenoid or relay.
Snow Blower cuts too low/too high. (Models 1812/2118/2418)	Skid shoes out of adjustment.	Raise or lower skid shoes as needed.

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INSPECTION

Hand Lever Bob-Tach Inspection

Move the Bob-Tach levers to engage the wedges[A]. The levers and wedges must move freely.

The wedges must extend through the holes in the attachment mounting frame (Item 1) [A].

⚠ WARNING

Bob-Tach wedges must extend through the holes in attachment. Lever(s) must be fully down and locked. Failure to secure wedges can allow attachment to come off and cause injury or death.

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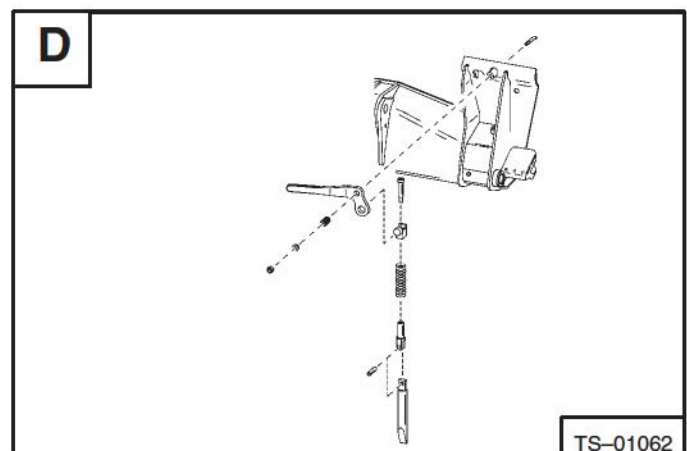
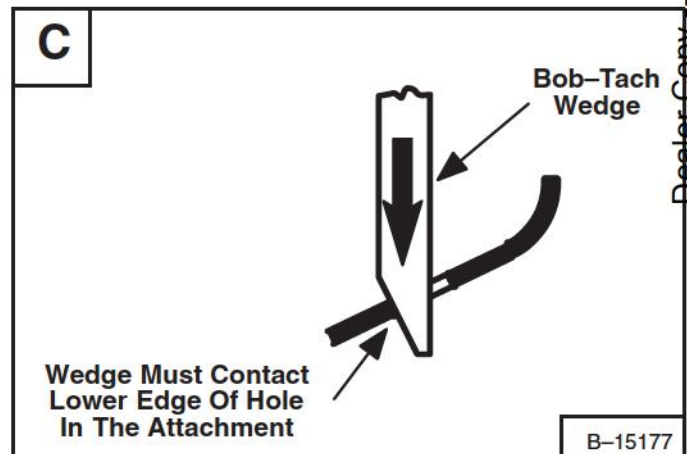
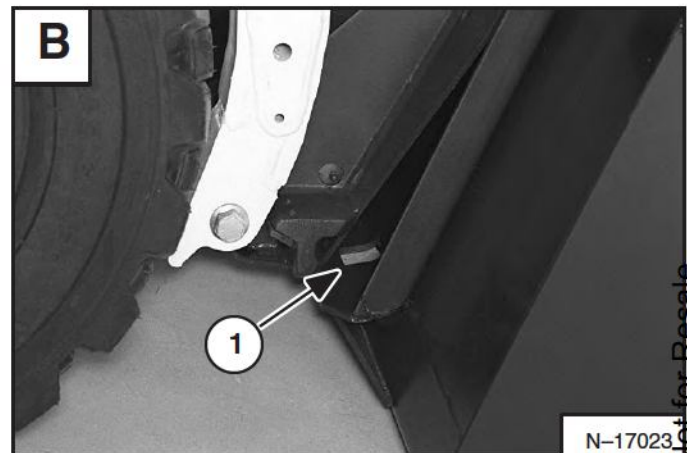
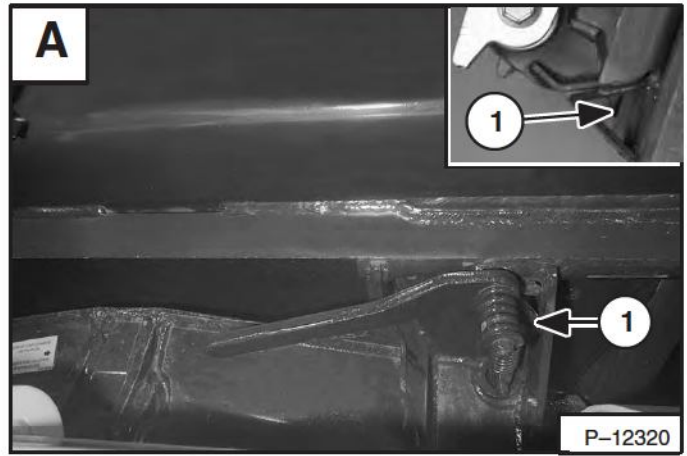
The spring loaded wedge (Item 1) [A] must contact the lower edge of the hole in the attachment (Item 1) [B] and [C].

If the wedge does not contact the lower edge of the hole [B] and [C], the attachment will be loose and can come off the Bob-Tach.

Inspect the mounting frame on the attachment and the Bob-Tach, linkages and wedges for excessive wear or damage [D]. Replace any parts that are damaged, bent, or missing. Keep all fasteners tight.

Look for cracked welds. Contact your Bobcat dealer for repair or replacement parts.

Lubricate the wedges (See the correct loader Service Manual for *LUBRICATION OF THE BOBCAT LOADER*).



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