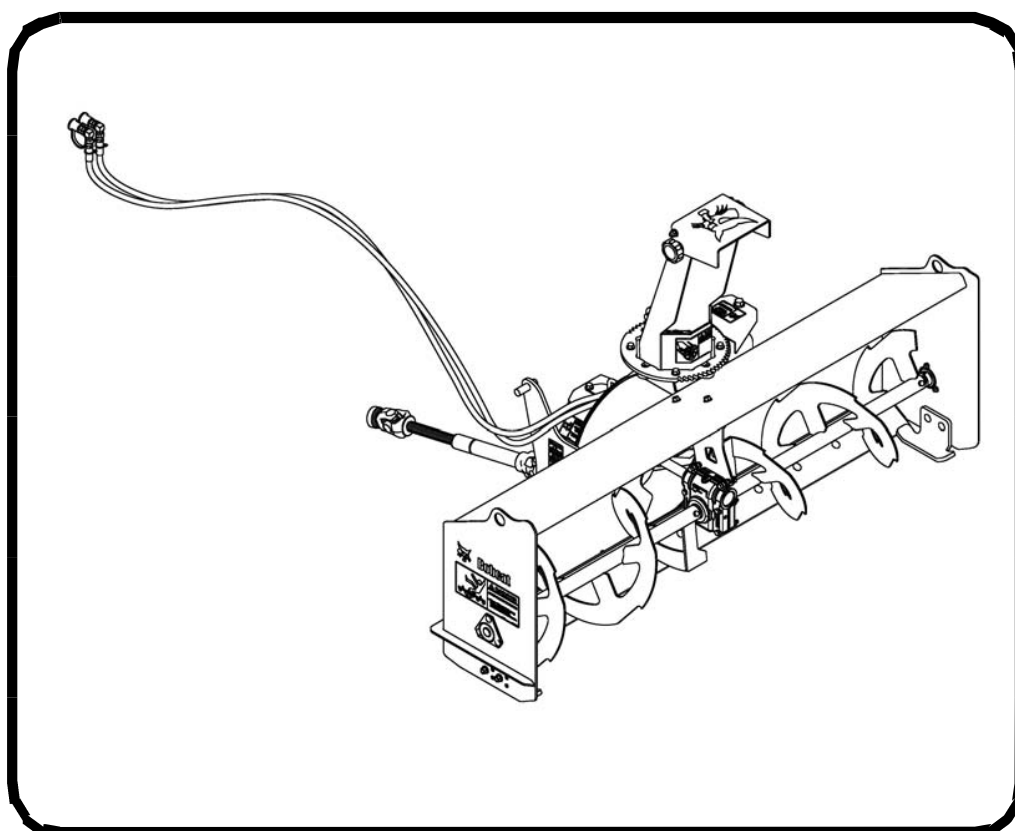




Service Manual

Front Compact Tractor Snowblower

(FCTSB49) S/N AHN900101 & Above
(FCTSB62) S/N A5E000101 & 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.

MSW30-0409



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FOREWORD

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 Implement Serial Number 1-7

DELIVERY REPORT 1-7

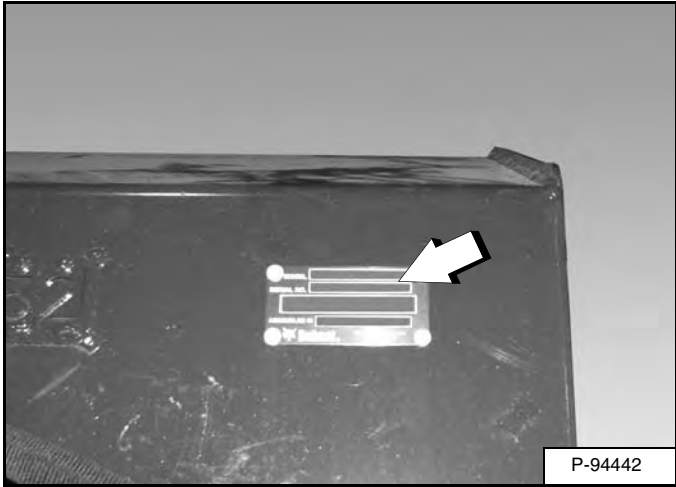
IMPLEMENT IDENTIFICATION 1-8



SERIAL NUMBER LOCATION

Implement Serial Number

Figure 1



Always use the serial number of the front mount 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 [Figure 1].

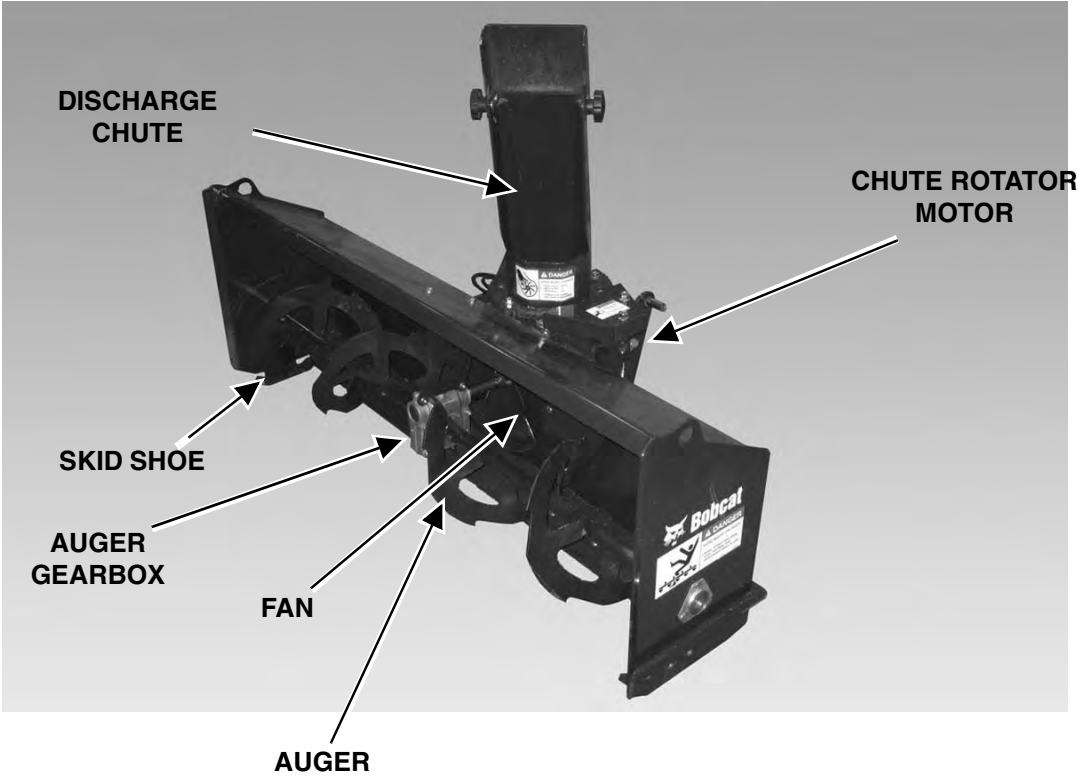
DELIVERY REPORT

Figure 2

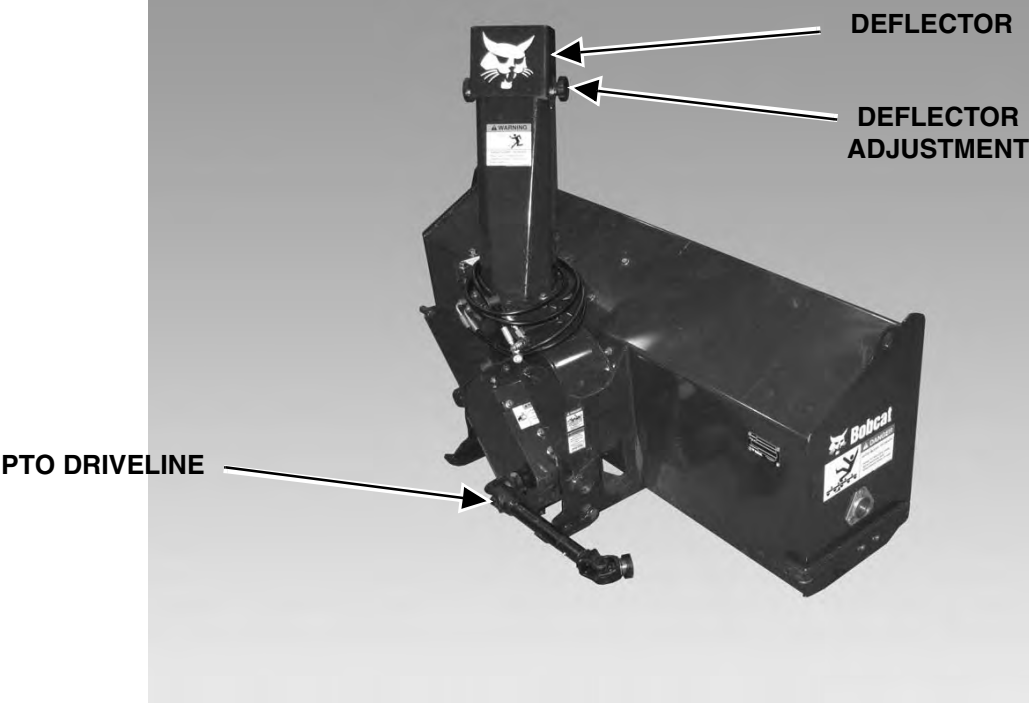
A diagram of a delivery report form. The form is divided into several sections. At the top right is a section titled 'DELIVERY REPORT' with lines for text. Below this is a section titled 'WARNING' with a black background and white text. The main body of the form consists of several large rectangular areas with horizontal lines for text. At the bottom right, there is a small box containing the text 'B-16315'.

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

IMPLEMENT IDENTIFICATION



P-94586



P-94585

SAFETY & MAINTENANCE

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TROUBLESHOOTING

Chart



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

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

PROBLEM	CAUSE	CORRECTION
Snowblower does not operate.	Damaged or incorrect attachment of the PTO shaft.	Check connection, connect properly, repair or replace.
	Auger shear bolt has sheared / missing.	Replace bolt.
	Fan shear bolt has sheared or missing.	Replace bolt.
Snowblower cuts too low / too high.	Skid shoes out of adjustment.	Raise or lower skid shoes as needed.
	Top link set wrong.	Adjust top link as needed.
Chute does not rotate.	Damaged quick couplers.	Replace quick couplers.
	Damaged hydraulic motor.	Repair or replace.
	Worn teeth on gear (motor or chute).	Adjust gear mesh by adjusting hydraulic motor placement, or replace gears.
	Orifice plugged.	Remove the orifice fittings and clean the fittings and reinstall. If problem still persists, replace orifice.



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SERVICE SCHEDULE

Chart

Maintenance work must be done at regular intervals. Failure to do so will result in excessive wear and early failures. The service schedule is a guide for correct maintenance of the Bobcat product.



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.

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SERVICE SCHEDULE		FREQUENCY			
ITEM	SERVICE REQUIRED	DAILY	2 HOURS	10 HOURS	50 HOURS/ YEARLY
Attachment Frame Inspection	Inspect for cracks or damage.				
Skid Shoe Inspection	Inspect for excess wear, cracks, damage and loose hardware.				
Check Chute Rotation Gears	Adjust and/or replace gears as required.				
Grease PTO Shaft	Grease PTO shaft and knuckles.				
Lubricate the Drive Chain	Lubricate the drive chain with Bobcat chain lubricant. See your Bobcat dealer.				
Replace Auger Gearbox Lube	Drain and replace fluid (Approx. 10.24 fl. oz. (0,3 L) of EP80W90)			[1]	

[1] Service at first 10 hours and thereafter as scheduled.

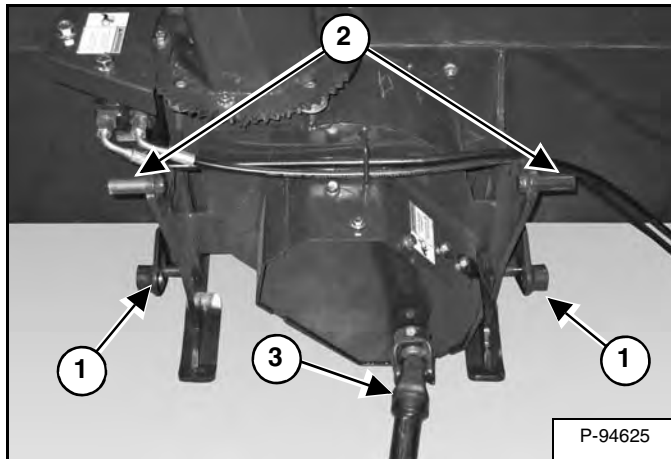


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DAILY INSPECTION

Implement Mounting Frame

Figure 10-30-1



Inspect the lower mounts and lower mounting pins (Item 1) and upper mounts and pins (Item 2), along with all welds on the implement for wear and damage each time the implement is removed from the compact tractor. Inspect the input shaft and PTO driveline for damage (Item 3) [Figure 10-30-1].

Check the following items at the start of a work day:

- Check for damaged or missing decals. Replace if necessary.
- Replace any worn or damaged parts immediately.

Compact Tractor Quick Hitch

! WARNING

AVOID INJURY OR DEATH

- Disengage the PTO (rear and mid), engage the parking brake, stop the engine and make sure all rotating components are completely stopped before connecting, disconnecting, adjusting or cleaning any PTO driven equipment.
- Always keep PTO shields and all guards in place when using PTO driven equipment.
- Disengage PTO (rear and mid) for road travel.
- Keep hands, feet and clothing away.

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! WARNING

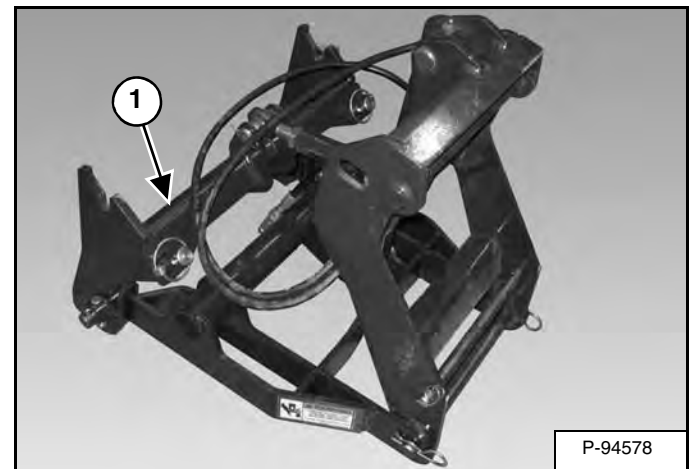
AVOID INJURY OR DEATH

The parking brake must be engaged before leaving the operator's seat. Rollaway can occur because the transmission may not prevent machine movement. Lock the brake pedals together before activating the parking brake.

W-2656-0807



Figure 10-30-2



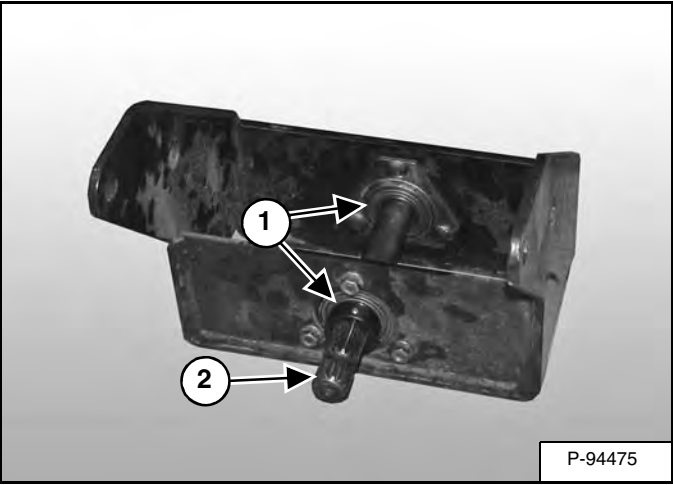
Inspect the quick hitch (Item 1) [Figure 10-30-2] and all welds on the attachment mount for wear and damage each time the attachment is removed from the machine.

Repair or replace damaged parts.

DAILY INSPECTION (CONT'D)

Front-PTO Shaft Assembly

Figure 10-30-3



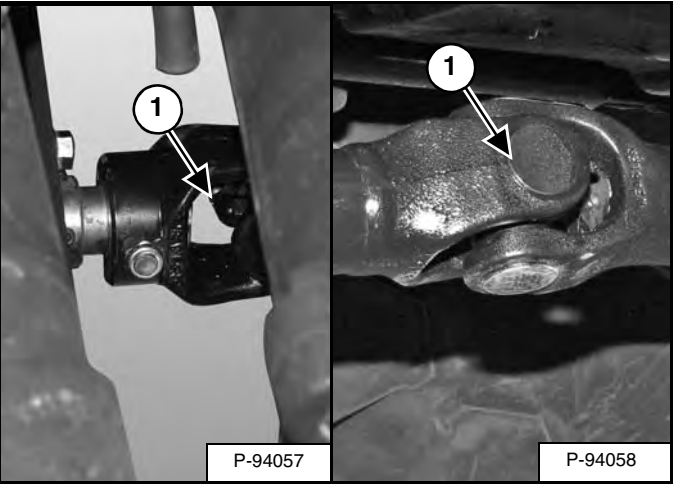
Inspect the front-PTO shaft assembly for wear or damage. Inspect the bearings (Item 1) and shaft (Item 2) [Figure 10-30-3] and mounts (on the attachment) for wear or damage.

NOTE: Front-PTO shaft assembly shown removed from the compact tractor.

Repair or replace damaged parts.

PTO Driveline

Figure 10-30-4



Inspect the driveline assembly for wear or damage.

NOTE: Pay attention to damaged or worn U-joints (Item 1) [Figure 10-30-4].

Repair or replace damaged parts.

Dear

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