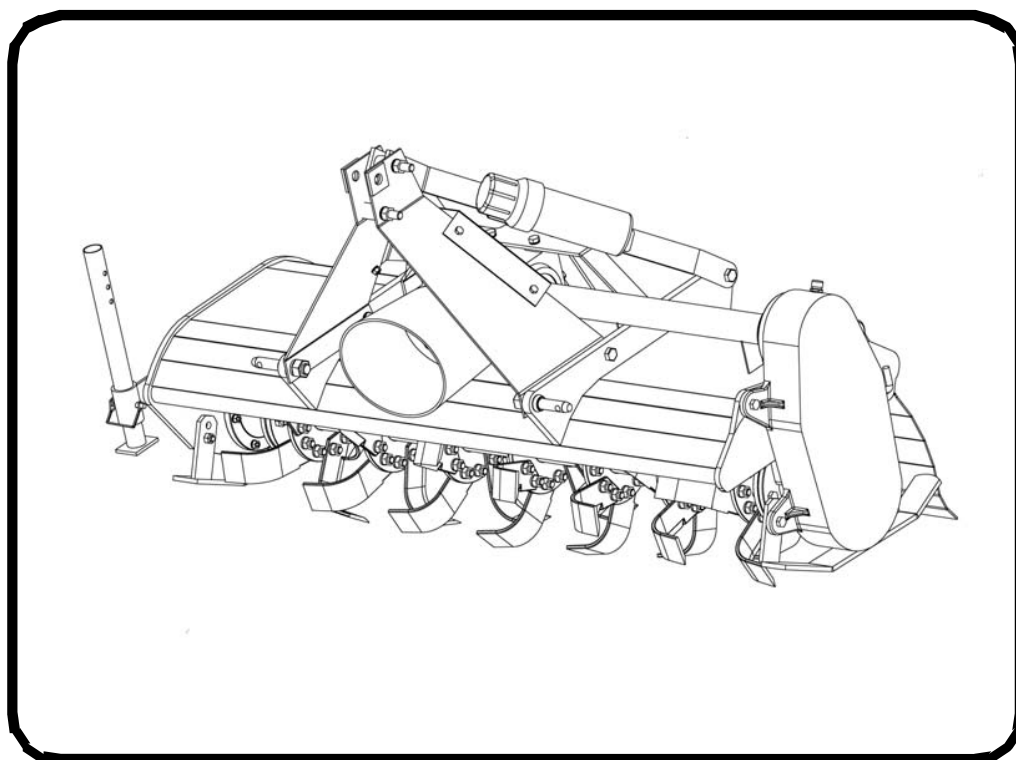




Service Manual

Three-Point Tiller

(3TLR48) S/N AWZK00101 & Above
(3TLR60) S/N AWZJ00101 & Above
(3TLR72) S/N AWZL00101 & Above



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MAINTENANCE SAFETY



WARNING

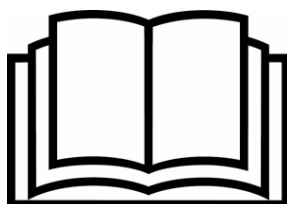
Instructions are necessary before operating or servicing machine. Read and understand the Operation & Maintenance Manual, Operator's Handbook and signs (decals) on machine. Follow warnings and instructions in the manuals when making repairs, adjustments or servicing. Check for correct function after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

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

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

JustClickHere 

NOTE:

**If there is no response to click on the link above,
please download the PDF document first, and then
click on it.**

**Have any questions please write to me:
admin@servicemanualperfect.com**



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CONTENTS

SAFETY & MAINTENANCE	10-01
MAINFRAME	20-01
SPECIFICATIONS	SPEC-01
ALPHABETICAL INDEX	INDEX-01



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FOREWORD

SERIAL NUMBER LOCATION 1-7

 Implement Serial Number 1-7

MANUAL STORAGE LOCATION 1-7

DELIVERY REPORT 1-7

IMPLEMENT IDENTIFICATION 1-8

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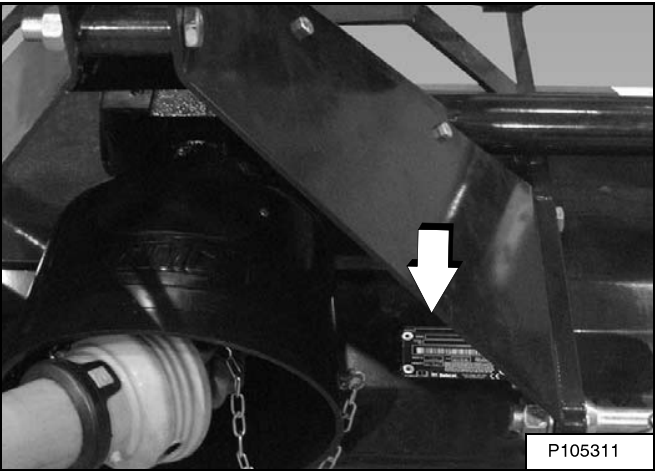
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SERIAL NUMBER LOCATION

Implement Serial Number

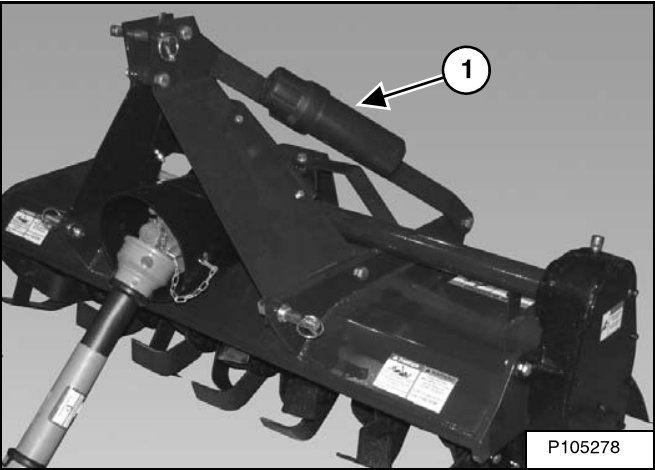
Figure 1



Always use the serial number of the tiller 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].

MANUAL STORAGE LOCATION

Figure 2

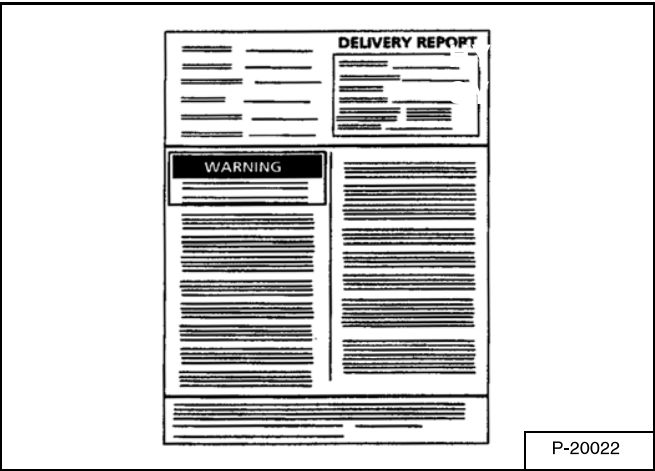


Read and understand the Operation & Maintenance Manual before operating the tiller.

The Operation & Maintenance Manual and Safety Manual(s) are stored in a container (Item 1) [Figure 2] located on the tiller.

DELIVERY REPORT

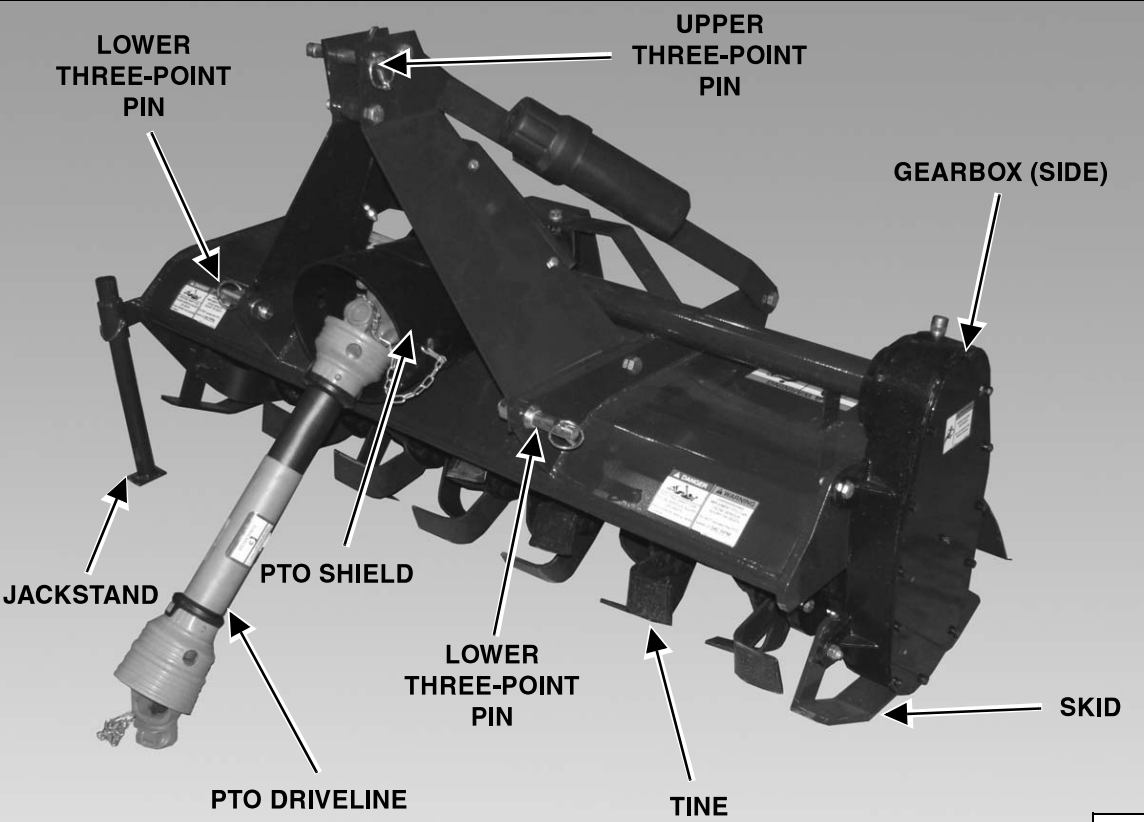
Figure 3



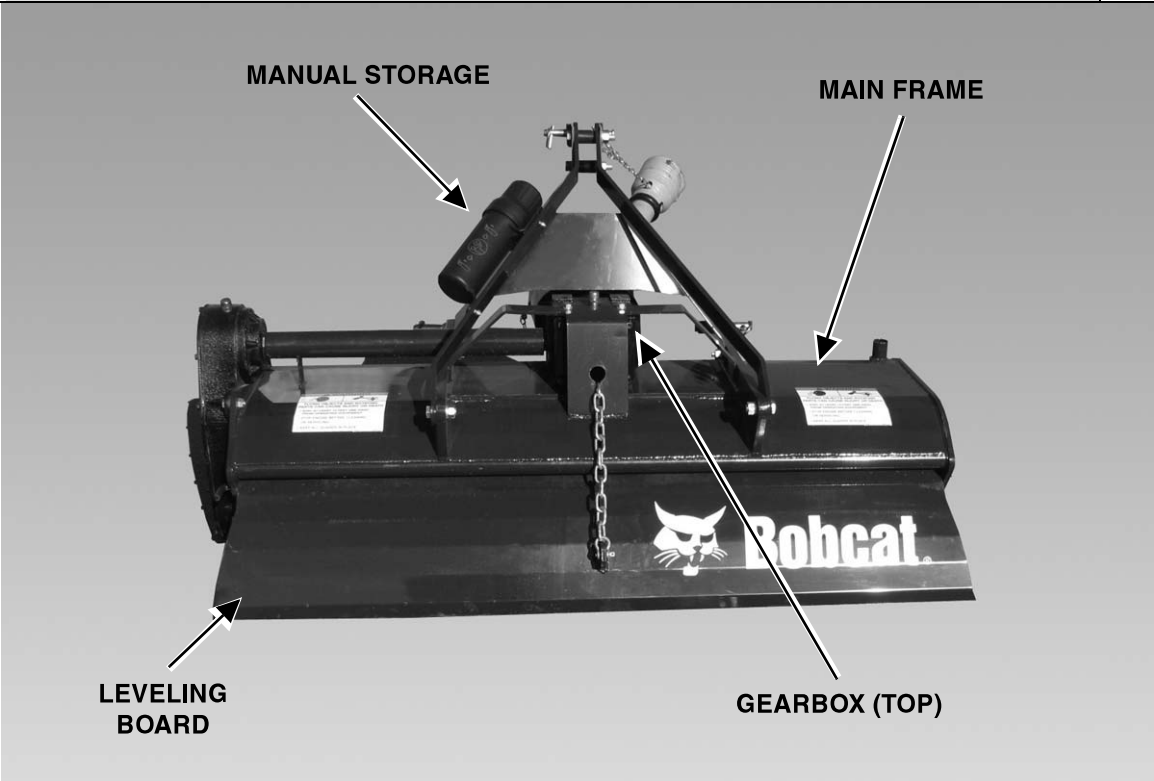
The delivery report [Figure 3] must be completed by the dealer and signed by the owner or operator when the Bobcat tiller is delivered. An explanation of the form must be given to the owner.

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IMPLEMENT IDENTIFICATION



P105278



P105282

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SAFETY & MAINTENANCE

TROUBLESHOOTING	10-10-1
Chart	10-10-1
SERVICE SCHEDULE	10-20-1
Chart	10-20-1
DAILY INSPECTION	10-30-1
Implement Mounting Frame	10-30-1
Three-Point Hitch	10-30-1
LUBRICATING THE IMPLEMENT	10-40-1
Lubrication Locations	10-40-1
REGULAR MAINTENANCE ITEMS	10-50-1
Tines	10-50-1
Skids	10-50-1
Gearbox (Top) Fluid	10-50-2
Gearbox (Side) Fluid	10-50-2
Cleaning The Three-Point Tiller	10-50-3
GEARBOX FLUID CHANGE	10-60-1
Gearbox (Top)	10-60-1
Gearbox (Side)	10-60-2
REMOVAL AND INSTALLATION	10-70-1
Tine Replacement	10-70-1
Skid Replacement	10-70-1
Leveling Board Replacement	10-70-2
REVERSING TILLER ROTATION	10-80-1
Gearbox Rotation Change	10-80-1
Rotor Direction Change	10-80-5
IMPLEMENT STORAGE AND RETURN TO SERVICE	10-90-1
Storage	10-90-1
Return to Service	10-90-1




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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>
--	--

If the attachment is not working correctly, check the hydraulic system of the machine thoroughly before making any repairs on the attachment. Attachment 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 attachment.

PROBLEM	CAUSE	CORRECTION
Will not till deep enough.	Skid shoes set too high.	Adjust skid shoes.
	Top three-point link adjusted incorrectly.	Adjust top link.
	Tines are worn too much.	Replace worn tines.
Rotor will not turn.	PTO not engaged.	Engage rear-PTO.
	PTO slip clutch worn excessively.	Replace slip clutch. See your Bobcat dealer for service.
	Rotor is obstructed.	Remove obstruction from rotor.
Poor tilling quality.	Tines are worn too much.	Replace tine(s).
	Missing or damaged tine(s).	Replace tine(s).
	Ground speed too fast.	Drive at slower ground speed.
Tillage is not smooth.	Ground speed too fast.	Drive at slower ground speed.
	Leveling board adjusted incorrectly.	Adjust leveling board correctly.

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SERVICE SCHEDULE

Chart

**WARNING**

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W-2003-0807

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.

SERVICE SCHEDULE		FREQUENCY		
ITEM	SERVICE REQUIRED	8 HOURS	50 HOURS	100 HOURS/ YEARLY
Rotor Support Bearing	Grease rotor support.			
PTO Driveline	Grease the PTO knuckles and driveline.			
Mounting Hardware	Check tightness of all mounting hardware.			
Gearbox (Top)	Check the gear oil level.			
Gearbox (Side)	Check the gear oil level.			
Gearbox (Top)	Change the gear oil.		(1)	
Gearbox (Side)	Change the gear oil.		(1)	

(1) Service at first 50 hours and thereafter as scheduled.

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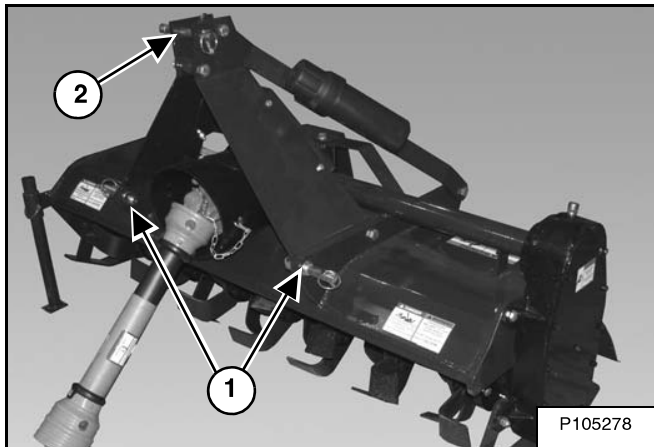
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DAILY INSPECTION

Implement Mounting Frame

Figure 10-30-1



Inspect the lower three-point mounts and lower mounting pins (Item 1) and the upper three-point mount and pin (Item 2) [Figure 10-30-1], along with all hardware and welds on the tiller for wear and damage each time the tiller is removed from the machine.

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 and hardware immediately.

Three-Point 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.

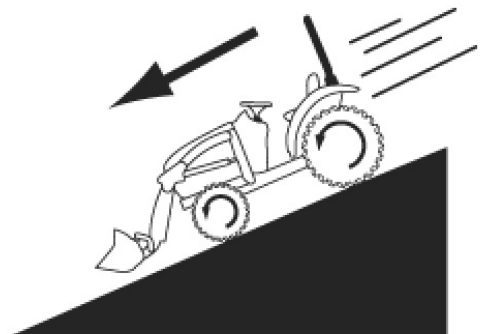
W-2568-0907

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



DAILY INSPECTION (CONT'D)

Three-Point Hitch (Cont'd)

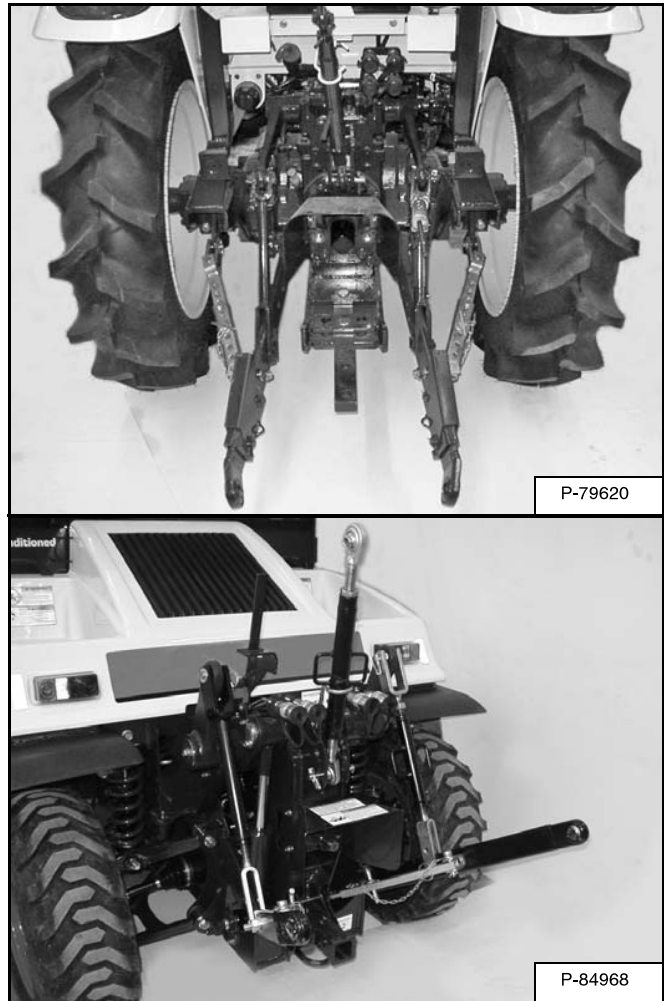
! WARNING

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- Keep hands, feet and clothing away.

W-2568-0907

Figure 10-30-2



Inspect the three-point hitch linkage, PTO shaft splines, guards, and shields. Replace if damaged or missing [Figure 10-30-2]. Repair broken or loose parts.

See the machine's Operation & Maintenance Manual for detailed information on inspecting three-point hitch.

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