



# Bobcat®

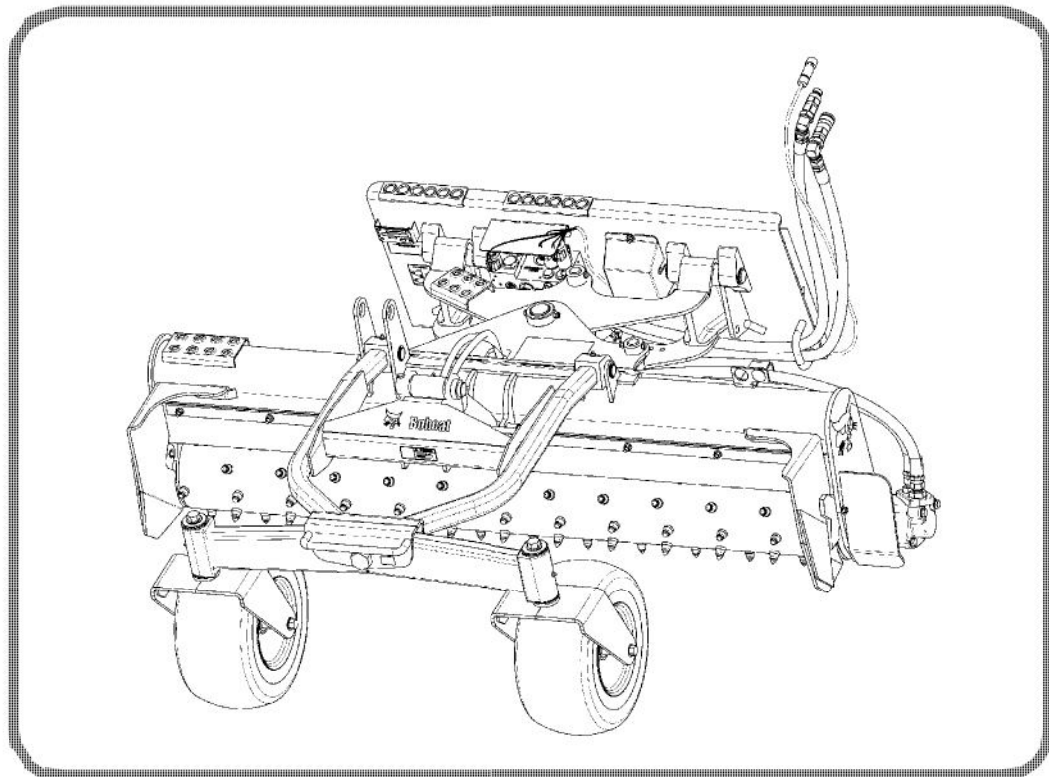
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## Service Manual Soil Conditioner

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(48SCM) S/N 651500101 & Above  
(60SCM) S/N A5PS00101 & Above  
(60SCH) S/N A86R00101 & Above  
(72SCM) S/N 651300101 & Above  
(Soil Cond) S/N 232000101 & Above

(72SCH) S/N S6TE00101 & Above  
(72SCHHF) S/N A6TD00101 & Above  
(Soil Cond 84) S/N 651400101 & Above  
(84SCH) S/N A6TG00101 & Above  
(84SCHHF) S/N A6TH00101 & Above



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# MAINTENANCE SAFETY



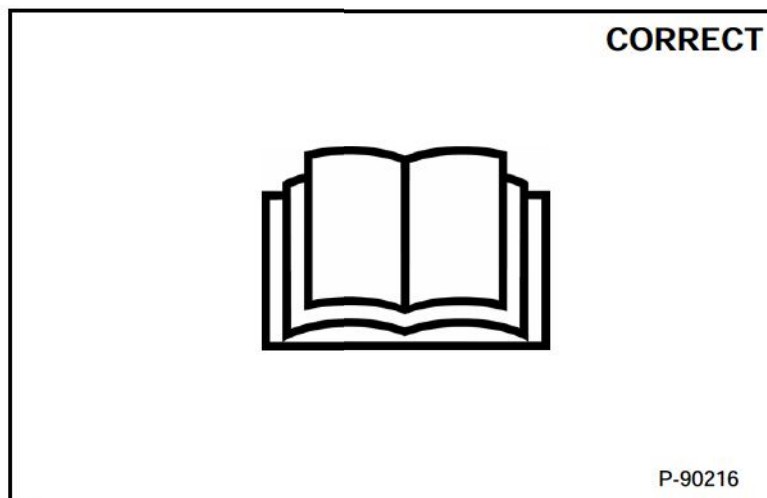
## WARNING









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

## CONTENTS

SAFETY AND MAINTENANCE .....	10-01
HYDRAULIC SYSTEM .....	20-01
MAINFRAME .....	30-01
SPECIFICATIONS .....	SPEC-01
ALPHABETICAL INDEX .....	INDEX-01

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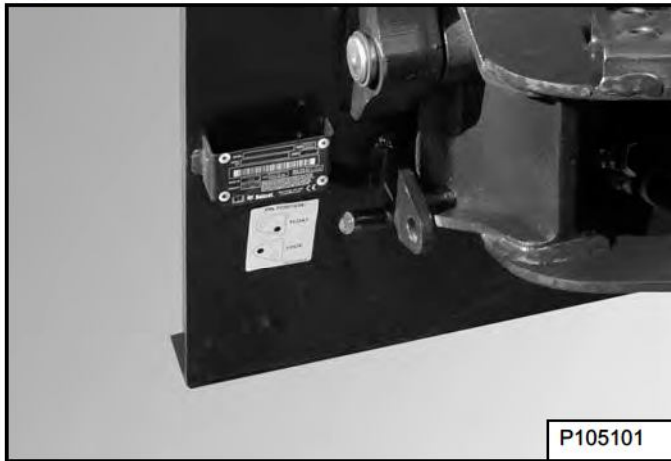
## FOREWORD

SERIAL NUMBER LOCATION .....	1-7
Attachment Serial Number .....	1-7
DELIVERY REPORT .....	1-7
ATTACHMENT IDENTIFICATION .....	1-8

## SERIAL NUMBER LOCATION

Attachment Serial Number

Figure 1



Always use the serial number of the soil conditioner 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].

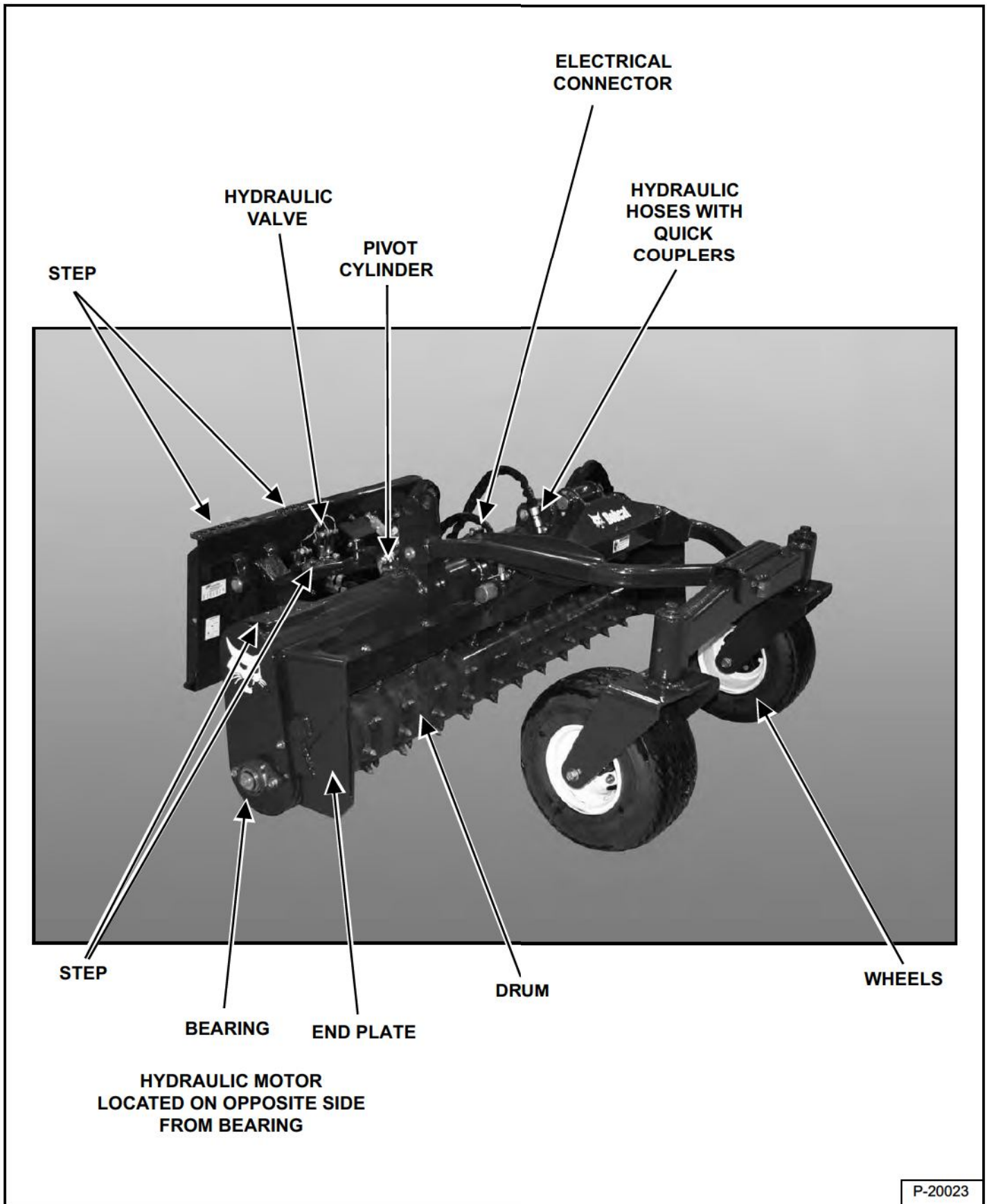
## DELIVERY REPORT

Figure 2

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

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ATTACHMENT IDENTIFICATION




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## SAFETY AND MAINTENANCE

TROUBLESHOOTING .....	10-10-1
Chart .....	10-10-1
DAILY INSPECTION .....	10-20-1
Attachment Mounting Frame .....	10-20-1
Bob-Tach .....	10-20-1
LUBRICATION .....	10-30-1
Lubrication Locations .....	10-30-1
ROLLER TEETH .....	10-40-1
Inspection .....	10-40-1
Replacement .....	10-40-1

## 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-2003-0903</p>
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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
Soil Conditioner 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 Soil Conditioner mount.	Remove debris between Bob-Tach and Soil Conditioner mount.
Soil Conditioner roller does not rotate.	No hydraulic flow.	Activate loader front auxiliary hydraulics.
		Check quick couplers connection. Check for damaged hose ends and fittings.
Soil Conditioner does not angle or angles slowly.	No hydraulic flow.	Activate loader front auxiliary hydraulics.
	Center pin not lubricated.	Lubricate center pin.
	Electrical harness not installed.	Install harness from the Soil Conditioner to the loader.
Soil Conditioner is performing poorly.	Teeth on roller are worn.	Replace teeth.
	Improper height adjustment.	Adjust soil conditioner height (See the soil conditioner's Operation & Maintenance Manual.)

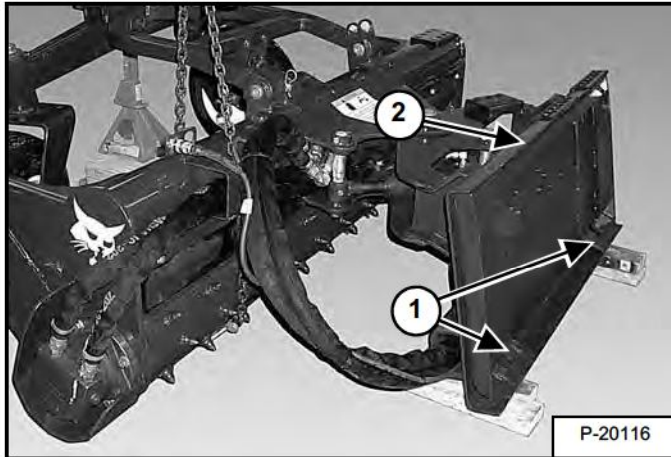
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## DAILY INSPECTION

### Attachment Mounting Frame

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 soil conditioner mount for wear and damage each time the soil conditioner is removed from the machine.

### Bob-Tach

*Hand Lever Bob-Tach*

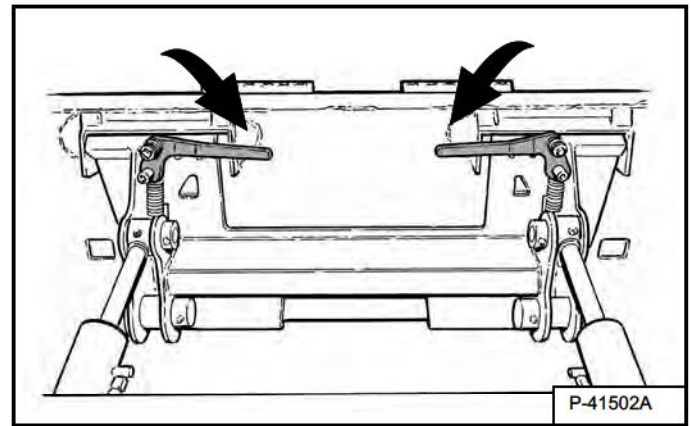


#### AVOID INJURY OR DEATH

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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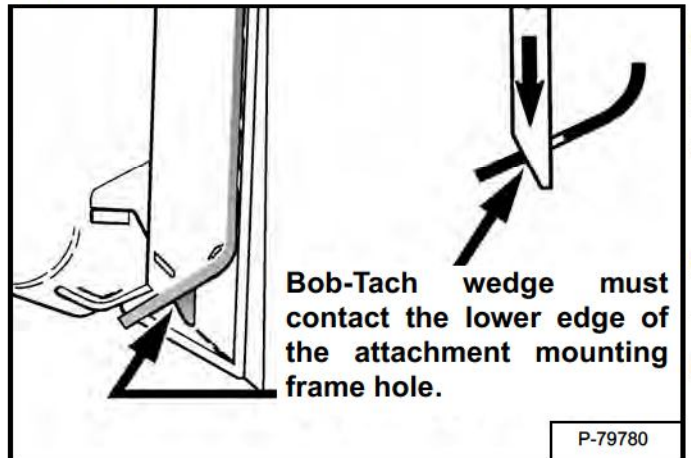
Figure 10-20-2



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 machine. (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. Contact your Bobcat dealer for repair or replacement parts.

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

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