Soil Conditioner

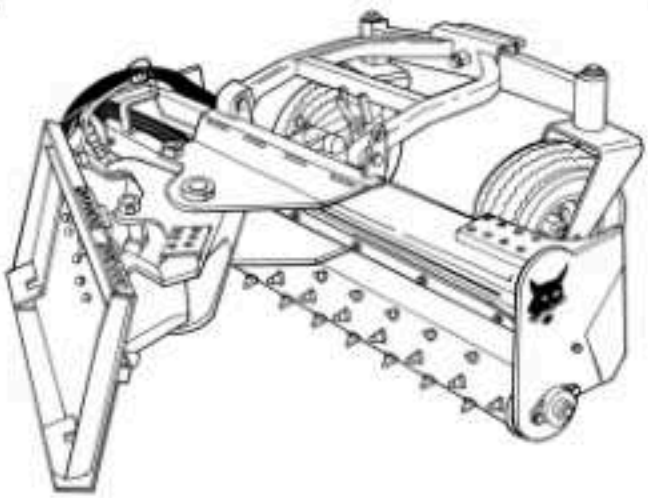
Bobcat®

Operation & Maintenance Manual

(72 In. Hyd.) S/N 232000101 & Above

(72 In. Man.) S/N 651300101 & Above

(84 In. Hyd.) S/N 651400101 & Above



An IR Ingersoll Rand business

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REFERENCE INFORMATION

Write the correct information for YOUR Soil Conditioner Attachment in the spaces below. Always use these numbers when referring to your Soil Conditioner.

Soil Conditioner Serial Number _____

_____

_____

_____

NOTES:

_____

_____

_____

_____

_____

_____

YOUR BOBCAT® DEALER:

_____

ADDRESS:

_____

PHONE:

_____

Bobcat Company
P.O. Box 128
Gwinner, ND 58040-0128

Bobcat Company Europe
J. Huysmanslaan 59
B-1651 LOT
Belgium

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INSTALLATION

Installing The Soil Conditioner

⚠ WARNING

Bob-Tach levers have spring tension. Hold lever tightly and release slowly. Failure to obey warning can cause injury.

W-2054-1285

⚠ WARNING

Before you leave the operator's seat:

- **Lower the lift arms, put the attachment flat on the ground.**
- **Stop the engine.**
- **Engage the parking brake.**
- **Raise seat bar**
- **(Foot Pedal Controls) Move pedals until both lock.**
- **(Mechanical Hand Controls) Move the hand controls until both lock.**
- **The seat bar system must lock the lift and tilt controls in neutral when the seat bar is up. Service the system if hand controls do not lock correctly.**
- **(Advanced Hand Controls) Move the hand controls to the NEUTRAL POSITION to make sure that both lift and tilt functions are deactivated. The seat bar system must deactivate the lift and tilt control functions when the seat bar is up. Service the system if hand controls do not deactivate.**

W-2323-0698

⚠ 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.

W-2102-0497

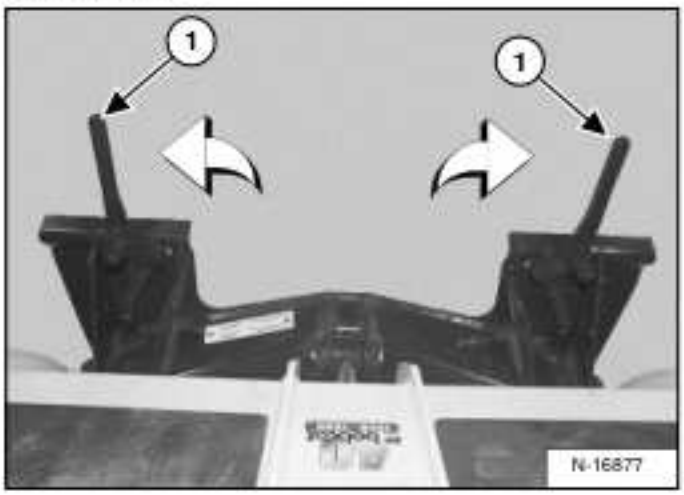
Inspect the mounting frame on the Soil Conditioner and the Bob-Tach, linkages and wedges for excessive wear or damage. Replace any parts that are damaged, bent, or missing. Keep all fasteners tight.

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

Lubricate the Bob-Tach wedges. (See the Bobcat Machine Operation & Maintenance Manual.) The wedges must move freely.

For Loaders/Utility Work Machine equipped with the Hand Lever Bob-Tach

Figure OI-10



Pull the Bob-Tach levers (Item 1) **[Figure OI-10]** all the way up. Enter the machine.

Loaders: Enter the loader. Fasten the seat belt, lower the seat bar and start the engine. Release the parking brake.

Utility Work Machine: Enter the cab and fasten the seat belt, lower the operator arm rest, and start the engine. Release the parking brake.

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Loading The Soil Conditioner

⚠ WARNING

Adequately designed ramps of sufficient strength are needed to support the weight of the machine when loading onto a transport vehicle. Wood ramps can break and cause personal injury.

W-2058-0494

Figure OI-74



Figure OI-75



With the Soil Conditioner attached to the machine and the Soil Conditioner raised off the ground, drive the machine on the transport vehicle in a forward direction (Soil Conditioner first) **[Figure OI-74]** and **[Figure OI-75]**.

The rear of the trailer must be blocked or supported when loading or unloading the loader to prevent the front end of the trailer from raising up.

Be sure the transport and towing vehicles are adequate size and capacity.

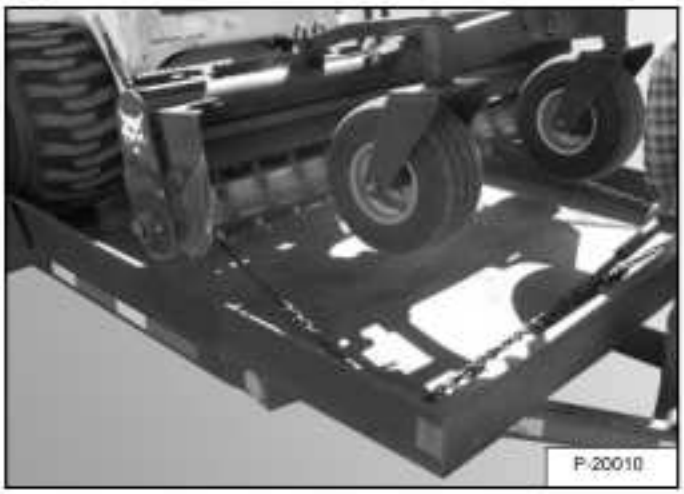
Use the following procedure to fasten the Bobcat loader to the transport vehicle to prevent the loader from moving during sudden stops or when going up or down slopes.

Lower the attachment to the floor if possible.

Stop the engine.

Engage the parking brake.

Figure OI-76



Install chains at the front tie down position **[Figure OI-76]**.

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LUBRICATION

Daily Lubrication

Figure PM-8

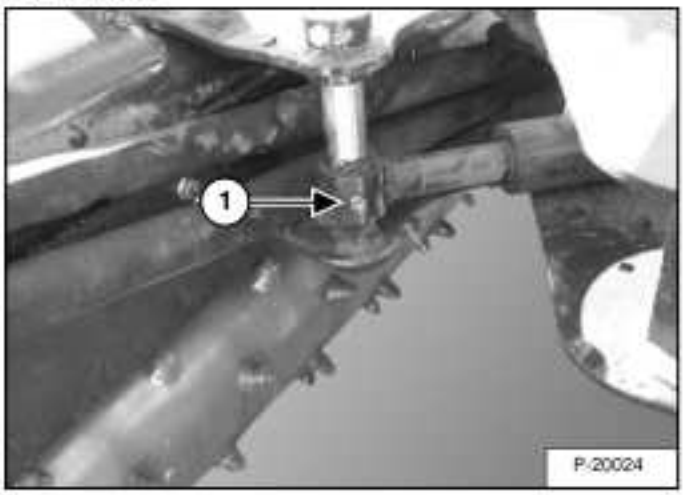
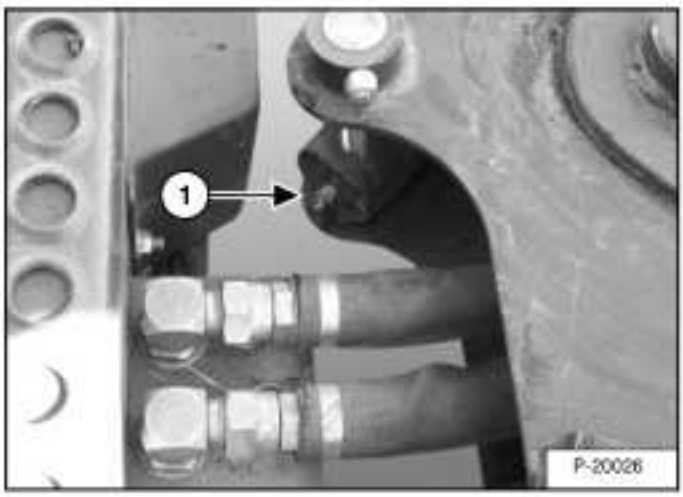
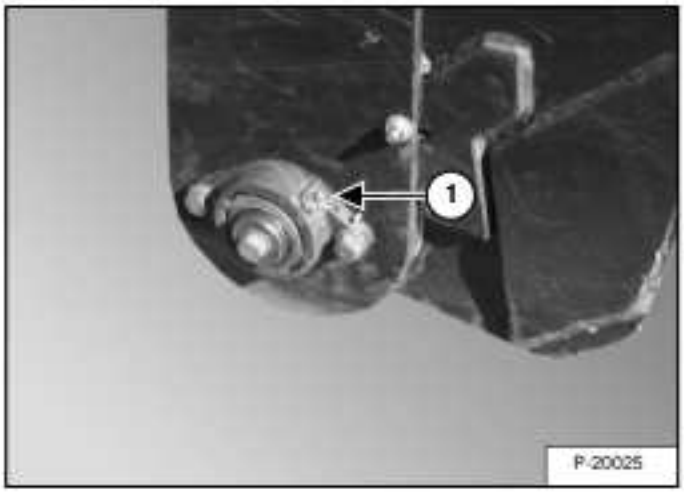


Figure PM-9



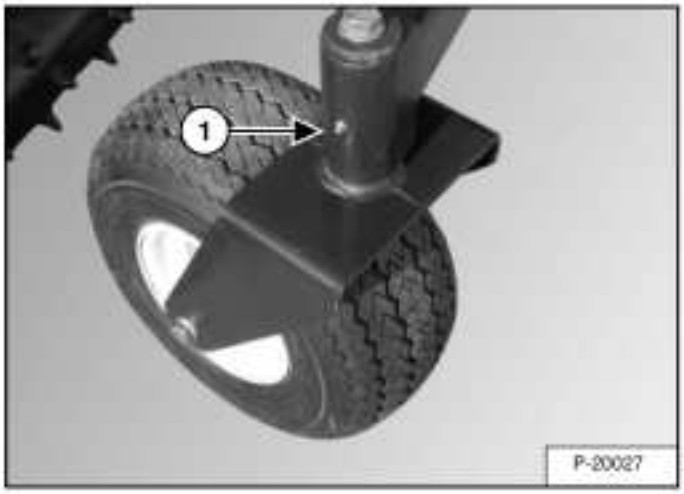
Add grease to the fittings on each end of the cylinder (Item 1) **[Figure PM-8]** and **[Figure PM-9]**.

Figure PM-10



Lubricate the bearing at the end of the roller (Item 1) **[Figure PM-10]**.

Figure PM-11



Add grease to the caster wheel pivot bearing (Item 1) **[Figure PM-11]**.

NOTE: Tire pressure should be 22 PSI maximum.

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SAFETY INSTRUCTIONS

Safe Operation Is The Operator's Responsibility

Safety Alert Symbol

This symbol with a warning statement means: "Warning, be alert! Your safety is involved!" Carefully read the message that follows.

WARNING

Operator must have instructions before running the machine. Untrained operators can cause injury or death.

W-2001-1285

IMPORTANT

This notice identifies procedures which must be followed to avoid damage to the machine.

I-2019-0284

WARNING

Warnings on the machine and in the manuals are for your safety. Failure to obey warnings can cause injury or death.

W-2044-1285

The Bobcat machine and attachment must be in good operating condition before use.

Check all of the items on the Bobcat Service Schedule Decal under the 8-10 hour column or as shown in the Operation & Maintenance Manual.

Safe Operation Needs A Qualified Operator

For an operator to be qualified, he or she must not use drugs or alcoholic drinks which impair alertness or coordination while working. An operator who is taking prescription drugs must get medical advice to determine if he or she can safely operate a machine.

A Qualified Operator Must Do The Following:

Understand the Written Instructions, Rules and Regulations

- The written instructions from Bobcat Company include the Delivery Report, Operation & Maintenance Manual, Operator's Handbook, Safety Manual and machine signs (decals).
- Check the rules and regulations at your location. The rules may include an employer's work safety requirements. Regulations may apply to local driving requirements or use of a Slow Moving Vehicle (SMV) emblem. Regulations may identify a hazard such as a utility line.

Have Training with Actual Operation

- Operator training must consist of a demonstration and verbal instruction. This training is given by your Bobcat dealer before the product is delivered.
- The new operator must start in an area without bystanders and use all the controls until he or she can operate the machine and attachment safely under all conditions of the work area. Always fasten seat belt before operating.

Know the Work Conditions

- Know the weight of the materials being handled. Avoid exceeding the machine load capacities. Material which is very dense will be heavier than the same volume of less dense material. Reduce the size of load if handling dense material.
- The operator must know any prohibited uses or work areas, for example, he or she needs to know about excessive slopes.
- Know the location of any underground lines. Call local utilities or the TOLL FREE phone number found in the *USE SAFETY RULES* Section of this manual.
- Wear tight fitting clothing. Always wear safety glasses when doing maintenance or service. Safety glasses, hearing protection, Special Applications Kits or a Front Window Guard are required for some work. See your Bobcat dealer about Bobcat Safety equipment for your machine.

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