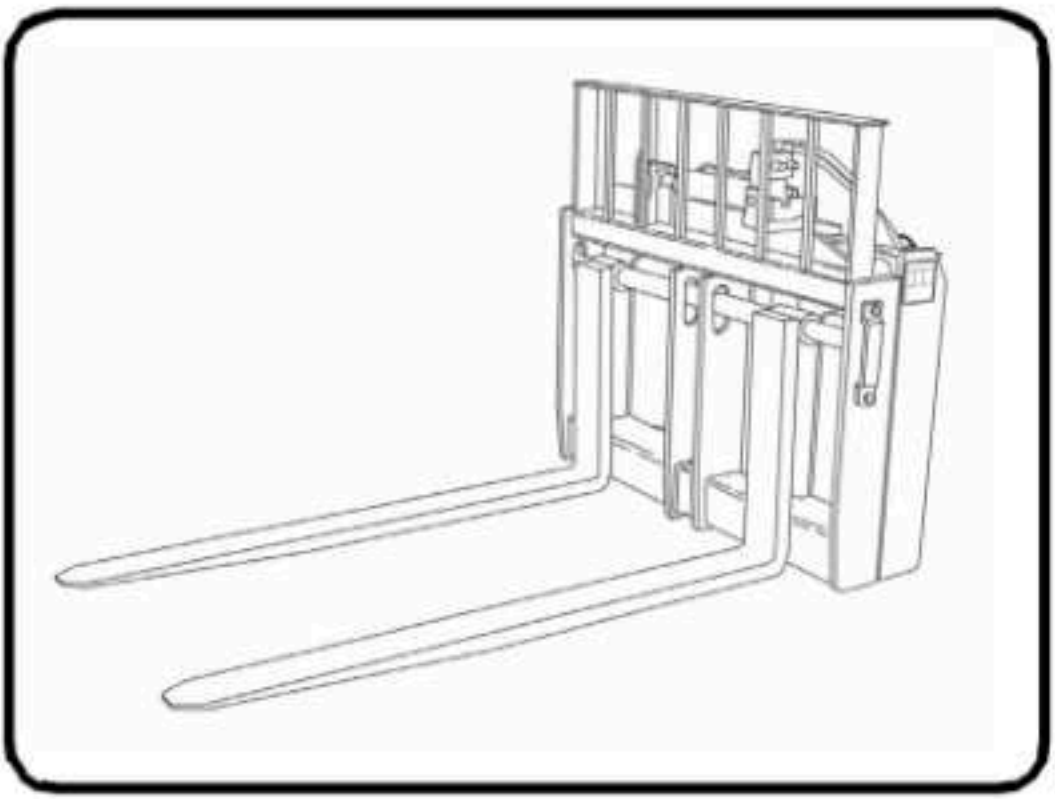
Bobcat®

Operation & Maintenance Manual
Tilt-Frame

(48 inch) S/N A85W00101 & Above



6986700 (2-08) Revsied (3-08) (1)

Printed in U.S.A.

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REFERENCE INFORMATION

Write the correct information for YOUR tilt-frame in the spaces below. Always use these numbers when referring to your tilt-frame.

Tilt-Frame Serial Number _____

NOTES:

_____

_____

_____

YOUR BOBCAT® DEALER:

ADDRESS:

_____

PHONE:

_____

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

Bobcat Company Europe
Dréve Richelle 167
B-1410 WATERLOO
Belgium

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FOREWORD

This Operation & Maintenance Manual was written to give the owner/operator instructions on the safe operation and maintenance of the tilt-frame. READ AND UNDERSTAND THIS OPERATION & MAINTENANCE MANUAL BEFORE OPERATING YOUR tilt-frame. If you have any questions, see your Bobcat dealer.

BOBCAT COMPANY IS ISO 9001:2000 CERTIFIED V

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OPERATING PROCEDURE WITH VERSAHANDLERS (CONT'D)

Operation With The VersaHANDLER (Cont'd)

Operating The Tilt-Frame

Figure OI-17

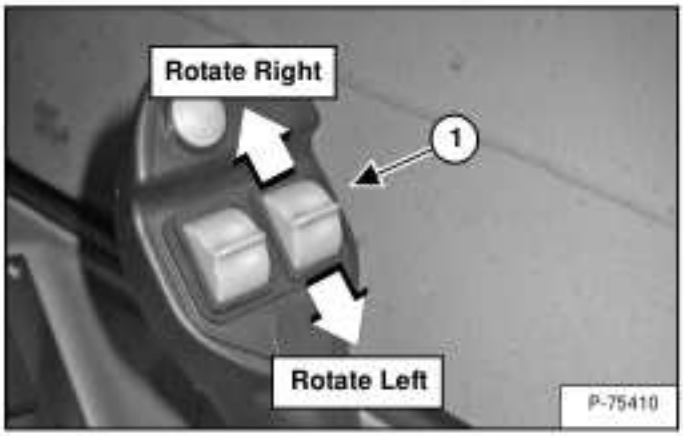


Figure OI-18

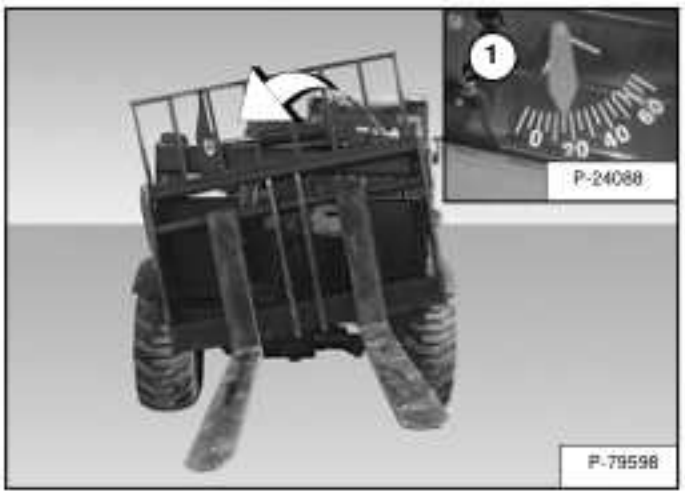
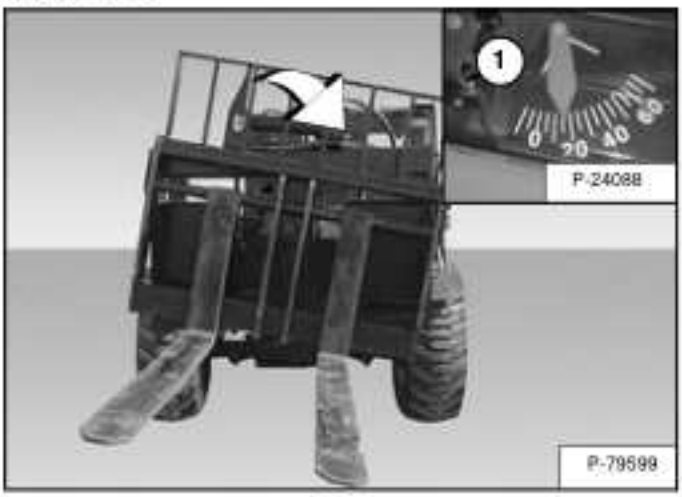


Figure OI-19



Press switch (Item 1) **[Figure OI-17]** up to rotate tilt-frame to the right **[Figure OI-18]**, press the switch down to rotate the tilt-frame to the left **[Figure OI-19]**.

Be sure the load is centered in the tilt-frame. An offset load can cause and unstable condition when extending the boom.

Keep the forks level and spread as wide as possible when entering a pallet.

Position the load against the back of the tilt-frame and centered on the forks. Keep the tilt-frame forks as low to the ground as possible when transporting loads.

Always keep the load level as you raise and lower the VersaHANDLER boom.

Check for overhead lines before operating the VersaHANDLER and tilt-frame.

⚠ DANGER

ELECTROCUTION HAZARD

- **Check for overhead or underground lines before operating.**
- **Keep boom, attachment and load a minimum of 9 feet (3 m) away from electrical power lines.**

D-1003-1207

Stop the VersaHANDLER on flat, solid and level ground. Put the Travel Direction Control Lever in neutral and engage the parking brake before raising and extending the boom.

The Rated Load Capacity Charts are designed with the VersaHANDLER on flat, level ground. If the VersaHANDLER in on a slope, the Boom Angle Indicator (Item 1) **[Figure OI-18]** & **[Figure OI-19]** will not show an accurate angle. Always lift and extend the boom when the VersaHANDLER is on flat, level ground.

Always lift the load with the boom retracted, then extend the boom as needed, staying within the Load Capacity for the height and extension.

Place the load, then retract the boom and lower the tilt-frame.

NOTE: When traveling on a road with VersaHANDLER, always carry the attachment as low as possible and engage the Hydraulic Control Lockout Switch (See the machine's operation and maintenance manual for the correct procedure.) to prevent accidental and unwanted movement of the boom and attachment while moving the VersaHANDLER.

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LUBRICATING THE ATTACHMENT

Lubrication Locations

⚠ WARNING

AVOID INJURY OR DEATH

If equipped with a loader or implement, always have the attachment or implement fully lowered on the ground. Stop the engine and engage the parking brake before doing any maintenance to the compact tractor. Do Not work under raised loader arms or raised implement.

W-2599-0607

Lubricate as specified for the best performance of the tilt-frame.

Always use a good quality lithium based multi-purpose grease. Apply lubricant until extra grease shows.

IMPORTANT

Fluid such as engine oil, hydraulic fluid, coolants, grease, etc. must be disposed of in an environmentally safe manner. Some regulations require that certain spills and leaks on the ground must be cleaned in a specific manner. See local, state and federal regulations for the correct disposal.

I-2067-0499

Lubricate the following fittings **EVERY 20 hours:**

Figure PM-1

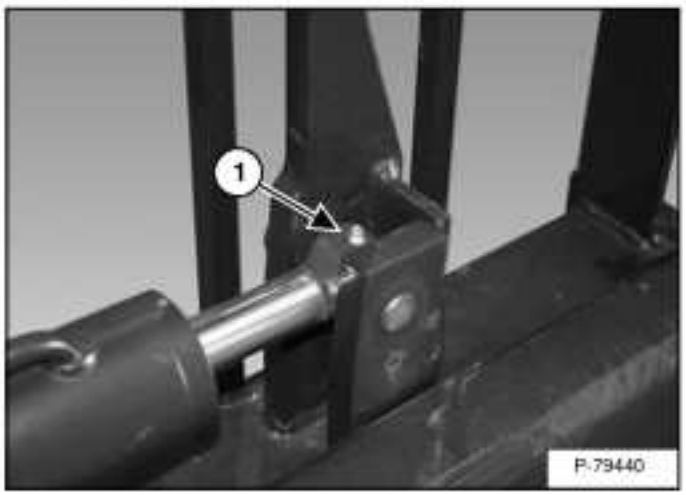
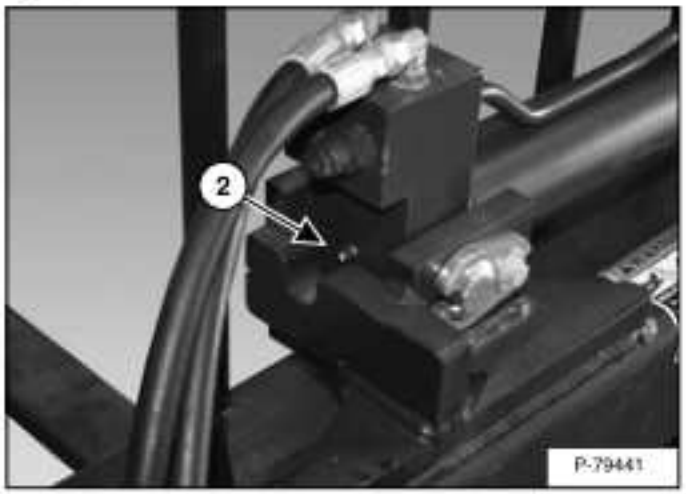


Figure PM-2



Cylinder rod end (Item 1) **[Figure PM-1]**.

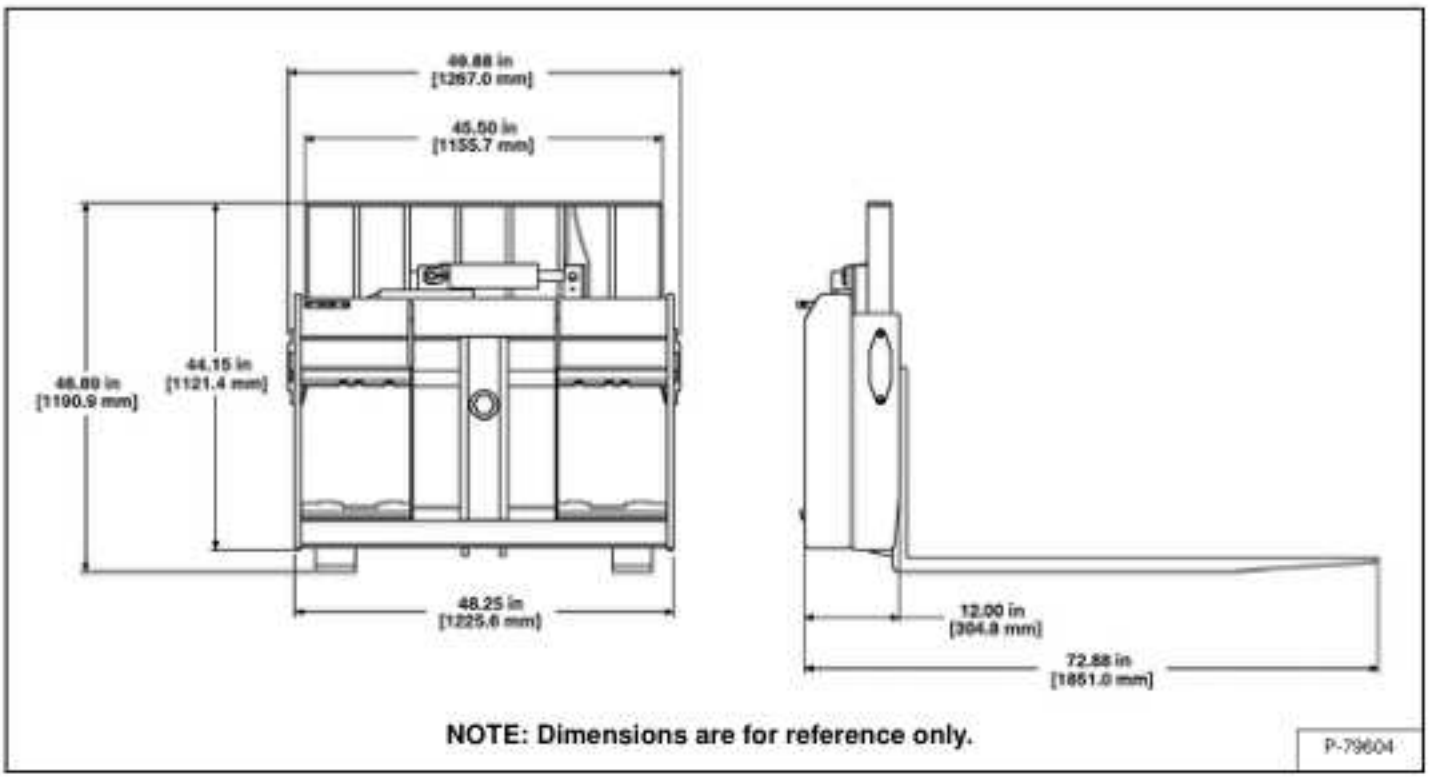
Cylinder base end (Item 2) **[Figure PM-2]**.

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TILT-FRAME ATTACHMENT SPECIFICATIONS (CONT'D)

Dimensions

- All dimensions are shown in inches. Respective metric dimensions are given in millimeters enclosed by parentheses.
- Where applicable, specifications conform to **SAE and ISO** standards and are subject to change without notice.



DESCRIPTION	48 IN TILT-FRAME
Tilt-Frame Oscillation (Left & Right)	10 Degrees
Weight W / Forks (60.00 in. Low Back Forks)	1275 lb. (578 kg)
Weight W / O Forks	859 lb. (390 kg)
Float Up / Down	3.0 in. (76.2 mm)
Fork Rotation (Low Back Forks)	144 Degrees
Fork Rotation (High Back Forks)	0 Degrees
Pallet Fork Weight (48 in. Low Back Forks)	136 lb. (61.75 kg)
Pallet Fork Weight (48 in. High Back Forks)	158 lb. (71.73 kg)
Pallet Fork Weight (60 in. Low Back Forks)	206 lb. (93.52 kg)
Pallet Fork Weight (48 in. Brick / Block Forks)	81 lb. (36.77 kg)

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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

DANGER

The signal word DANGER on the machine and in the manuals indicates a hazardous situation which, if not avoided, will result in death or serious injury.

D-1002-1107

WARNING

The signal word WARNING on the machine and in the manuals indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

W-2044-1107

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 and the attachment.

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 *Call Before You Dig* Section of this manual.
- Wear tight fitting clothing. Always wear safety glasses when doing maintenance or service. Safety glasses, respiratory equipment, 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.

SI ATT-0208

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