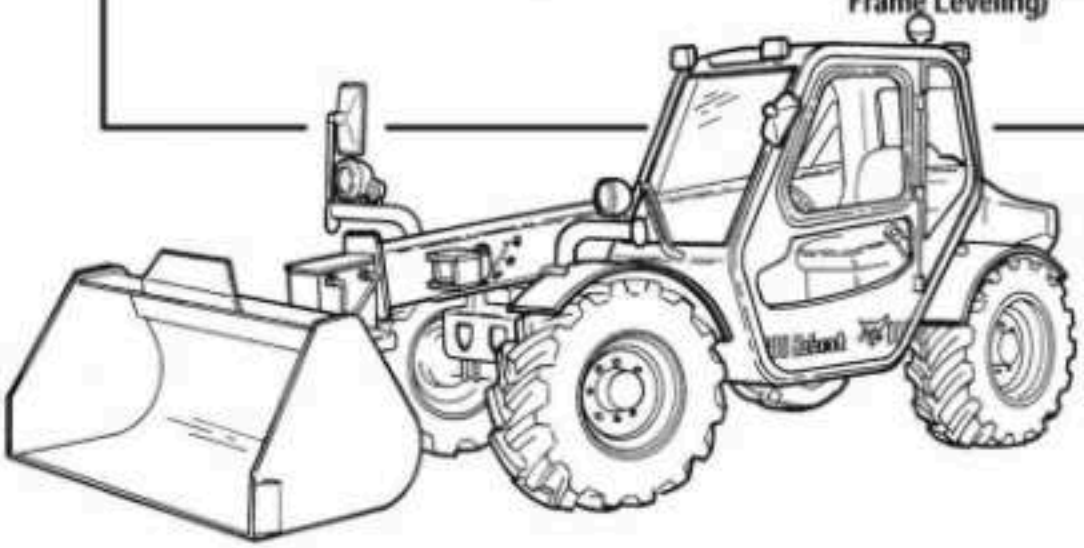
V518
V623

Bobcat®

VersaHANDLER®
Telescopic Tool Carrier (TTC)

Operation & Maintenance Manual

V518 – S/N 367011001 & Above
V518 – S/N 367311001 & Above (With Canopy)
V623 – S/N 367111001 & Above
V623 – S/N 367211001 & Above (With Frame Leveling)
V623 – S/N 367511001 & Above (With Canopy)
V623 – S/N 367411001 & Above (With Canopy & Frame Leveling)



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CALIFORNIA
PROPOSITION 65 WARNING

Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects and other reproductive harm.

REFERENCE INFORMATION

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

VersaHANDLER Serial Number ..... _____
Engine Serial Number ..... _____
Axle Housing Serial Number ..... _____
Hydrostatic Motor Serial Number ..... _____
Hydrostatic Pump Serial Number ..... _____

_____

_____

_____

_____

NOTES: _____

_____

_____

_____

_____

_____

_____

YOUR VersaHANDLER 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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Parking Brake

Pull the parking brake lever (Item 1) **[A]** all the way up until locked to engage the brake.

Pull the lever up, press button (Item 2) **[A]** to release lock. Move the lever to the down position to release the brake.

Accelerator Pedal

The accelerator pedal (Item 1) **[B]** is at the right side of the steering console.

Press the accelerator pedal down to increase engine speed. Release foot pressure to decrease engine speed.

NOTE: When the accelerator pedal is released and engine RPM's return to low idle speed, the Brake Control System will activate and the brakes will engage.

Brake Pedal and Inching Control

The brake pedal (Item 2) **[B]** is at the left of the accelerator.

Press the brake a small amount to decrease travel speed and control inching (gradual travel of the machine). Press farther down to stop forward or reverse travel of the machine.

NOTE: Approximately the first 1/2 of the total brake pedal travel is for INCHING CONTROL.

Frame Level Switch (V623 With Frame Level Only)

The frame level switch (Item 1) **[C]** is located behind the joystick.

Roll the switch to the left to tilt the frame to the left; right to tilt right. The frame can be adjusted 6 degrees left or 6 degrees right.

From the operator's seat you can check alignment of the frame and the front axle so they are parallel with each other. When the pointer (Item 1) **[D]** is aligned with the top of the frame channel (Item 2) **[D]**, they are parallel.

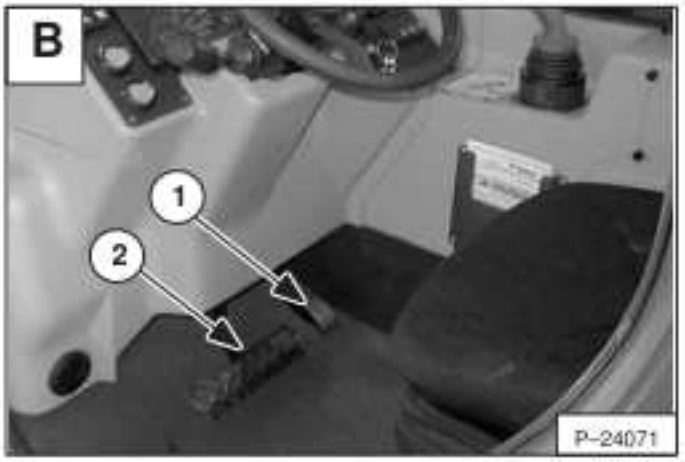
There is a sight level gauge (Item 3) **[D]** in the upper right corner of the front of the cab. The gauge will indicate the angle (in degrees) of the frame in relation to horizontal.

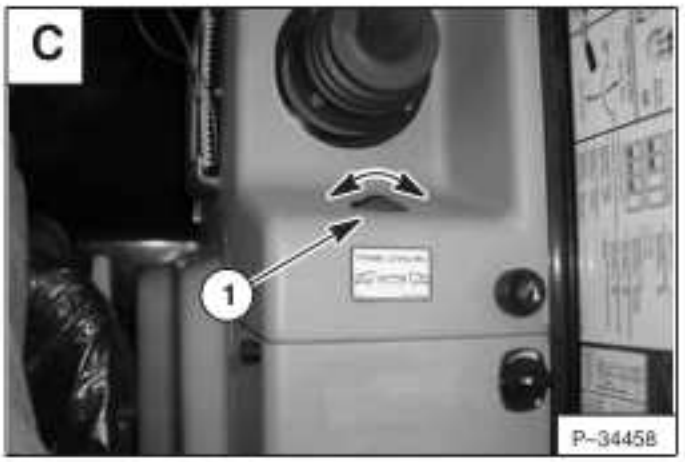
⚠ WARNING

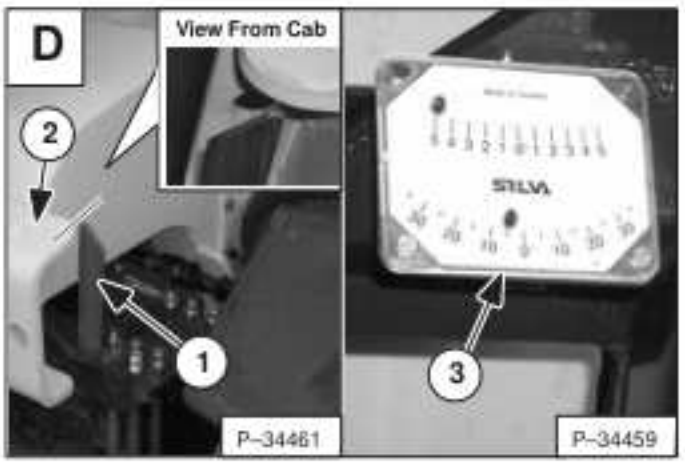
Do not use the frame leveling function when the load is raised. Level the frame before the load is lifted. Move the switch slowly and smoothly. Watch the sight level gauge to determine when the frame is level. Rapid starting and stopping of frame motion can cause the VersaHANDLER to tip. The risk of tipping increases as the boom is raised and extended.

W-2457-0103









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LUBRICATION

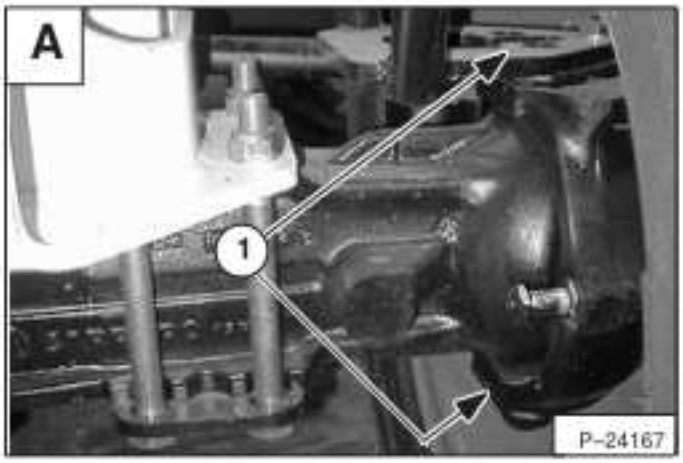
Lubricate as specified in the SERVICE SCHEDULE, Page 24 for the best performance of the machine.

Record the operating hours each time you lubricate so that it it performed at the correct interval.

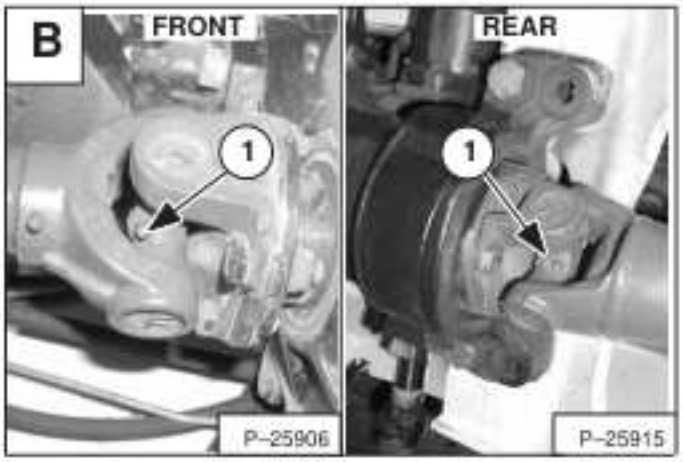
Always use a good quality lithium based multi–purpose grease. Apply lubricant until extra grease shows.

Lubricate the following locations on the VersaHANDLER:

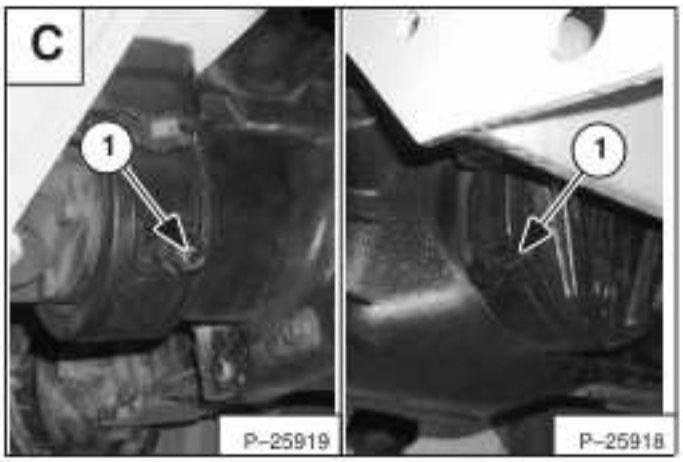
Axle Pivots – Top and bottom (Item 1) **[A]** all four wheels.



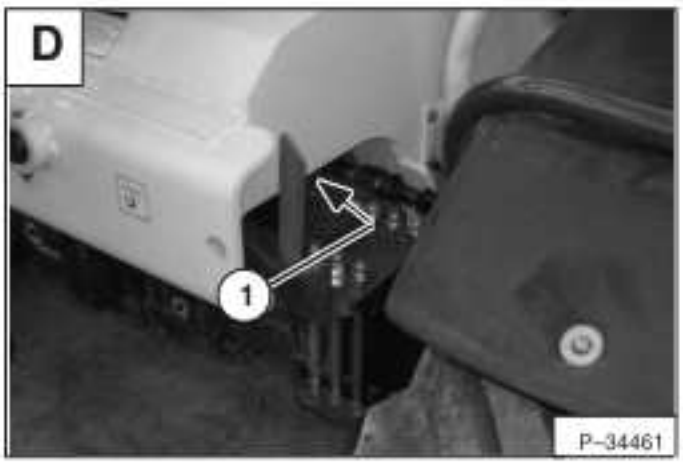
Universal Joints – Front and Rear (Item 1) **[B]**.



Axle Oscillation – Rear Axle (Item 1) **[C]**.



Axle Oscillation – Front Axle (Item 1) **[D]**. (V623 With Frame Leveling Only)



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VersaHANDLER Telescopic Tool Carrier (TTC) SPECIFICATIONS

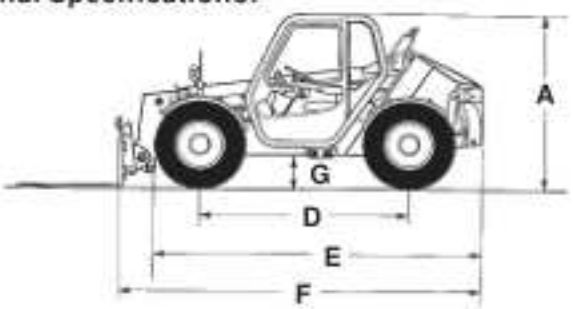
⚠ WARNING

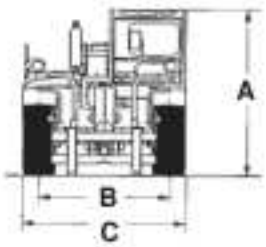
Each attachment and each VersaHANDLER TTC have different Load Capacity Charts. For example: An 84 inch bucket used on a V518 will have its own chart; that same 84 inch bucket when used on a V623 will have a different chart. Be sure you use the correct chart for your attachment and VersaHANDLER TTC combination.

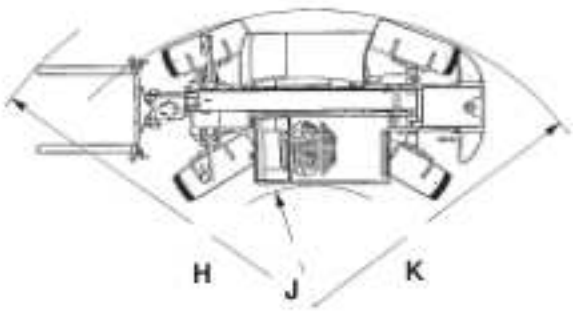
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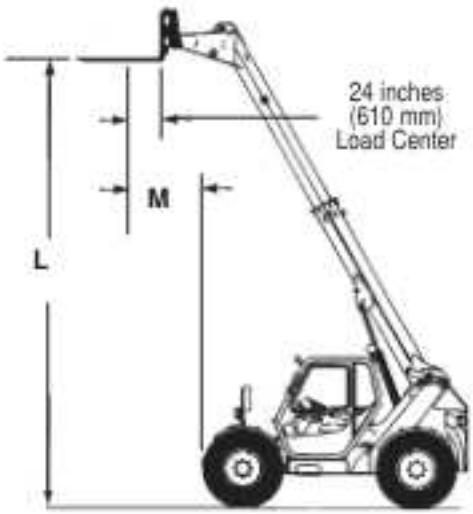
- All dimensions are shown in inches. Respective metric dimensions are given in millimeters enclosed by parentheses.
- Where applicable, specifications conform to SAE, ASME or ISO standards and are subject to change without notice.

Dimensional Specifications:









	V518	V623	V623 with Frame Level
A –	82.6 inches (2097 mm)	93.4 inches (2372 mm)	90.1 (2288 mm)
B –	62.2 inches (1580 mm)	70.8 inches (1798 mm)	70.8 inches (1798 mm)
C –	78.1 inches (1984 mm)	87.2 inches (2215 mm)	87.2 inches (2215 mm)
D –	98.4 inches (2499 mm)	108.3 inches (2751 mm)	108.3 inches (2751 mm)
E –	153.9 inches (3909 mm)	164.6 inches (4181 mm)	161.3 (4097 mm)
F –	178.5 inches (4554 mm)	199.5 inches (5067 mm)	199.5 inches (5067 mm)
G –	13.4 inches (340 mm)	20.2 inches (513 mm)	16.9 (430 mm)
H –	184.8 inches (4694 mm)	196.2 inches (4984 mm)	196.2 inches (4984 mm)
J –	58.0 inches (1473 mm)	50.4 inches (1280 mm)	50.4 inches (1280 mm)
K –	147.4 inches (3744 mm)	151.6 inches (3851 mm)	151.6 inches (3851 mm)
L –	217.7 inches (5530 mm	283.4 inches (7198 mm)	280.1 (7115 mm)
M –	42.0 inches (1067 mm)	58.8 inches (1494 mm)	62.1 (1587 mm)

Performance Specifications:

	V518	V623	V623 w/ Frame Level
Operating Weight	10846 lbs. (4920 kg)	14550 lbs. (6600 kg)	14500 lbs. (6600 kg)
Maximum Rated Capacity	*5500 lbs. (2495 kg)	*6500 lbs. (2948 kg)	*6500 lbs. 2948 kg)

* Rated Load Capacity can change depending on which approved attachment is used.

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BEFORE OPERATING THE BOBCAT VersaHANDLER Telescopic Tool Carrier (TTC)

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

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

Check all of the items under the 10 hour column as shown in this Manual.

IMPORTANT

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

I-2019-0284

SAFE OPERATION NEEDS A QUALIFIED OPERATOR *

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.

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

- **HAVE TRAINING WITH ACTUAL OPERATION**
  - OSHA Rule 29 CFR 1910.178 (l) requires employers to train employees operating Rough Terrain Forklifts.
  - Operator instructions 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 structures and use all the controls until he 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. Do Not exceed the Load Ratings of the machine. 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 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 *SAFETY INSTRUCTIONS* Section of this manual.
  - Wear tight fitting clothing. Always wear safety glasses when doing maintenance or service. Safety glasses or hearing protection or enclosures are required for some work. See your dealer about Bobcat Safety equipment, and accessories.

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

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