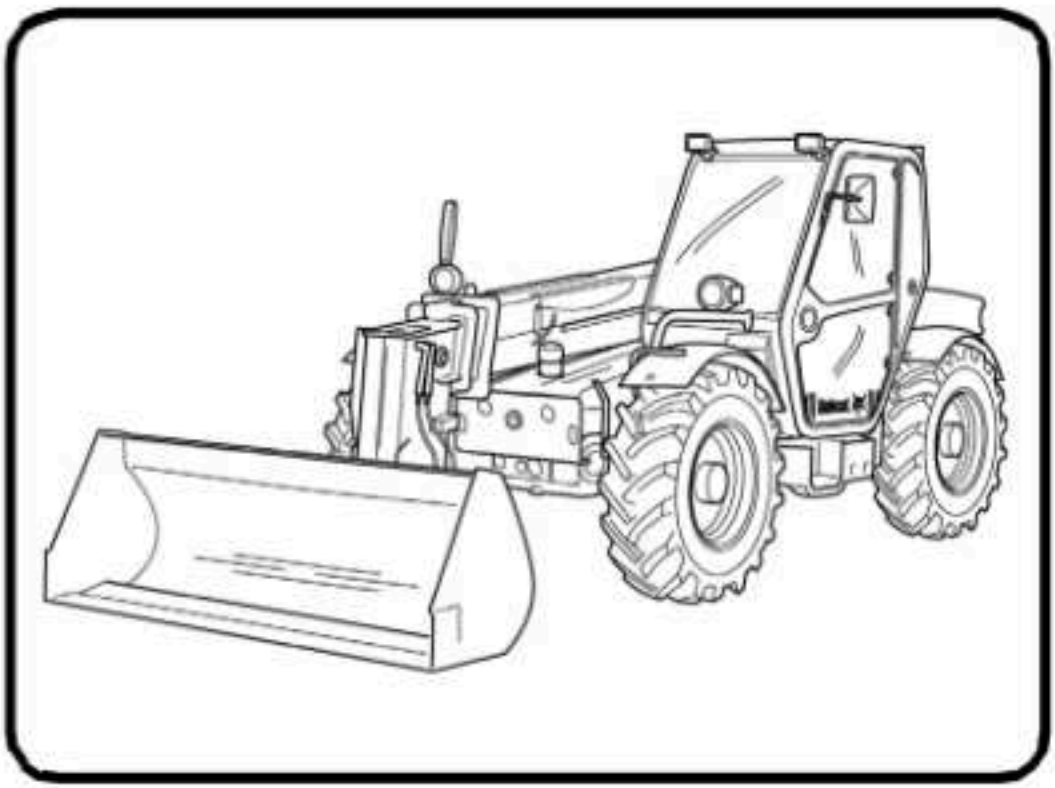
Bobcat®

Operation & Maintenance Manual
V638 VersaHANDLER®
Telescopic Tool Carrier (TTC)

S/N A8HM13000 & Above (With Cab)
S/N A8HN13000 & Above (With Canopy)



EQUIPPED WITH
BOBCAT INTERLOCK
CONTROL SYSTEM (BICS™)

6989575 (3-10)

Printed in U.S.A.

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REFERENCE INFORMATION

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

VersaHANDLER Serial Number _____

Engine Serial Number _____

NOTES:

_____

_____

_____

_____

YOUR BOBCAT DEALER:

_____

ADDRESS:

_____

PHONE:

_____

Bobcat Company
P.O. Box 128
Gwinner, ND 58040-0128
UNITED STATES OF AMERICA

Doosan Benelux SA
Drève 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 Bobcat VersaHANDLER. READ AND UNDERSTAND THIS OPERATION & MAINTENANCE MANUAL BEFORE OPERATING YOUR BOBCAT VERSAHANDLER. If you have any questions, see your Bobcat dealer. This manual may illustrate options and accessories not installed on your VersaHANDLER.

BOBCAT COMPANY IS IS0 9001 CERTIFIED 7

REGULAR MAINTENANCE ITEMS 7

SERIAL NUMBER LOCATION 8
- VersaHANDLER Serial Number 8
- Engine Serial Number 8

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BOBCAT VERSAHANDLER IDENTIFICATION 10

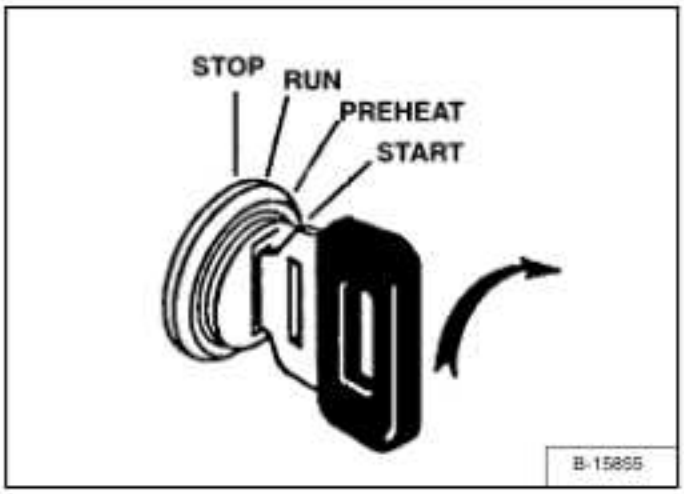
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- Front Window Guard Kit 12
- Front Window Guard Kit Inspection And Maintenance 12

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STARTING THE ENGINE

Perform the *PRE-STARTING PROCEDURE.* (See PRE-STARTING PROCEDURE on Page 52.) (See DAILY INSPECTION on Page 50.) Put the Travel Direction Control Lever in neutral and all other controls in neutral.

Figure 49



Turn the key switch to RUN **[Figure 49]**. The instrument panel lights will come ON.

Turn the key switch to PREHEAT **[Figure 49]**. Hold the key in preheat position for 15 seconds.

NOTE: Do not activate glow plugs for more than 30 seconds or glow plug damage may occur.

Turn the key switch to START and release it when the engine starts. The key will return to the RUN position.

NOTE: Travel Direction Control Lever must be in neutral and the Front Auxiliary Hydraulics Detent Switch (Item 11, [Figure 13 on Page 31]) must be OFF to start the engine.

IMPORTANT

Do not engage the starter for longer than 30 seconds at a time. Longer use can damage the starter by overheating. Cool the starter for one minute between uses.

I-2209-0301

⚠ WARNING

AVOID INJURY OR DEATH

- **Engines can have hot parts and hot exhaust gas. Keep flammable material away.**
- **Do not use machines in atmosphere containing explosive gas.**

W-2051-1086

⚠ WARNING

AVOID INJURY OR DEATH

When an engine is running in an enclosed area, fresh air must be added to avoid concentration of exhaust fumes. If the engine is stationary, vent the exhaust outside. Exhaust fumes contain odorless, invisible gases which can kill without warning.

W-2050-0807

⚠ WARNING

Do not use ether with preheat systems. Explosion can result which can cause injury or death.

W-2391-0301

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LUBRICATING THE VERSAHANDLER

Lubrication Locations

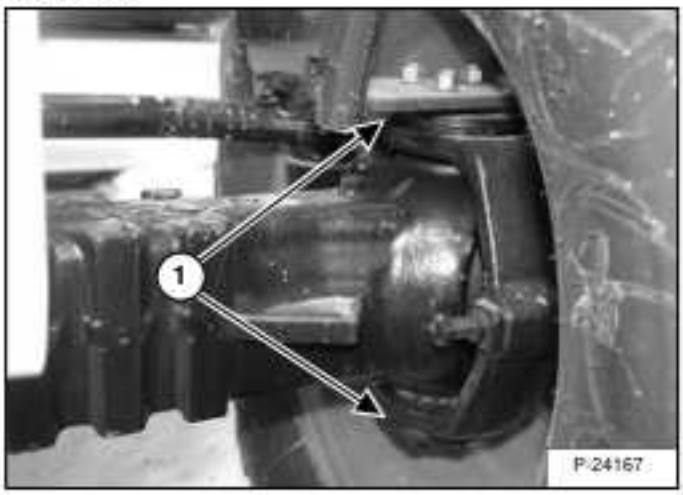
Lubricate as specified in the SERVICE SCHEDULE for the best performance of the machine. (See SERVICE SCHEDULE on Page 81.)

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

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

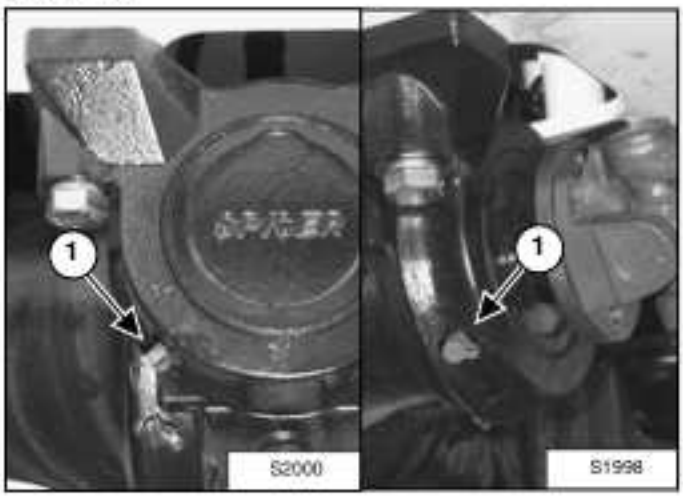
Lubricate the following locations on the VersaHANDLER:

Figure 151



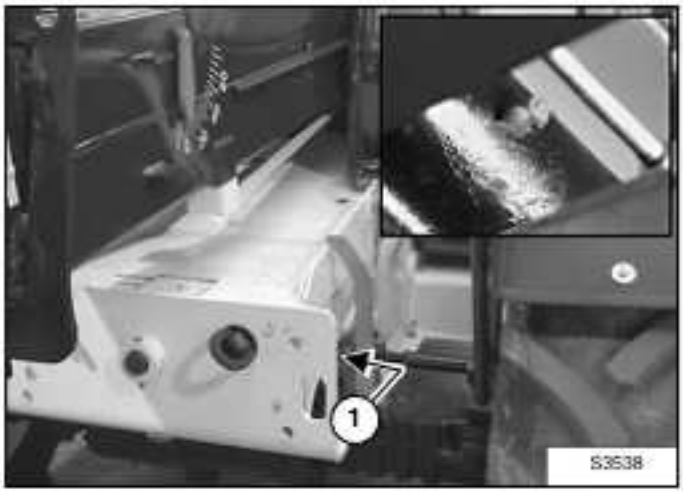
Axle Pivots - Top and bottom (Item 1) **[Figure 151]** all four wheels.

Figure 152



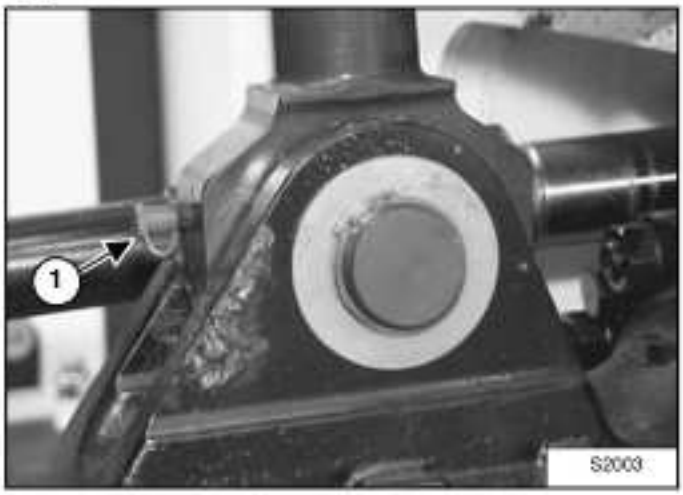
Axle Oscillation - Rear Axle (Item 1) **[Figure 152]**.

Figure 153



Axle Oscillation - Front Axle (Item 1) **[Figure 153]**.

Figure 154



Frame Leveling Cylinder - Rod End (Item 1) **[Figure 154]**.

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⚠ WARNING

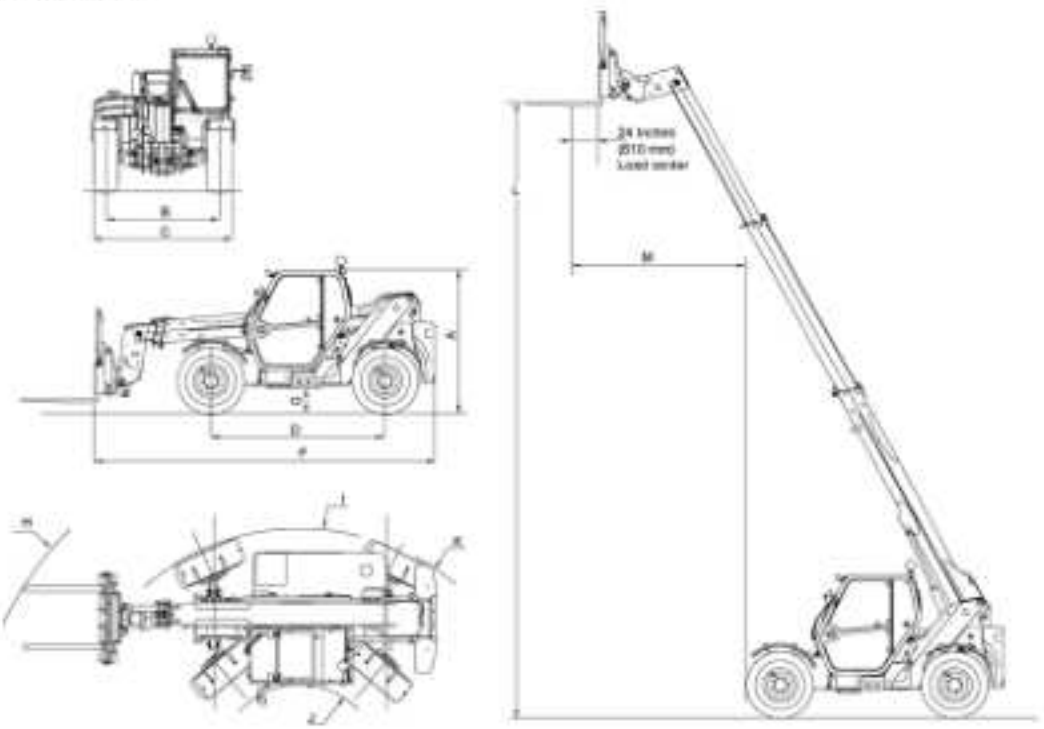
Each attachment and each VersaHANDLER TTC have different Load Capacity Charts. For example: An 84 inch bucket used on a V518 will have its own chart; that same 84 inch bucket when used on a V723 will have a different chart. Be sure you use the correct chart for your attachment and VersaHANDLER TTC combination.

W-2493-0204

Dimensions are given for machine equipped with standard tires and may vary with other tire types.

- 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



A	93.4 inches (2372 mm)
B	70.8 inches (1798 mm)
C	87.2 inches (2215 mm)
D	122 inches (3100 mm)
F	213.6 inches (5425 mm)
G	20.2 inches (513 mm)
H	212.6 inches (5400)
I	152.9 inches (3884 mm)
J	54.0 inches (1370 mm)
K	153.5 inches (3900 mm)
L	467 inches (11862 mm)
M	54.9 inches (1395 mm)

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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 VersaHANDLER 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

- OSHA Rule 29 CFR 1910.178 (l) requires employers to train employees operating Rough Terrain Forklifts.
- 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 or structures 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.
- Operator Training Courses are available from your Bobcat dealer in English and Spanish. They provide information for safe and efficient equipment operation. Safety videos are also available.

Know the Work Conditions

- Know the weight of the materials being handled. Avoid exceeding the Rated Load Capacity of the machine (as indicated on the Load Capacity Charts). 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 *Before Operation* Section of this manual.
- Wear tight fitting clothing. Always wear safety glasses when doing maintenance or service. Safety glasses, respiratory equipment, hearing protection or Front Window Guard are required for some work See your Bobcat dealer about Bobcat Safety Equipment.

SI VH-0208

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