



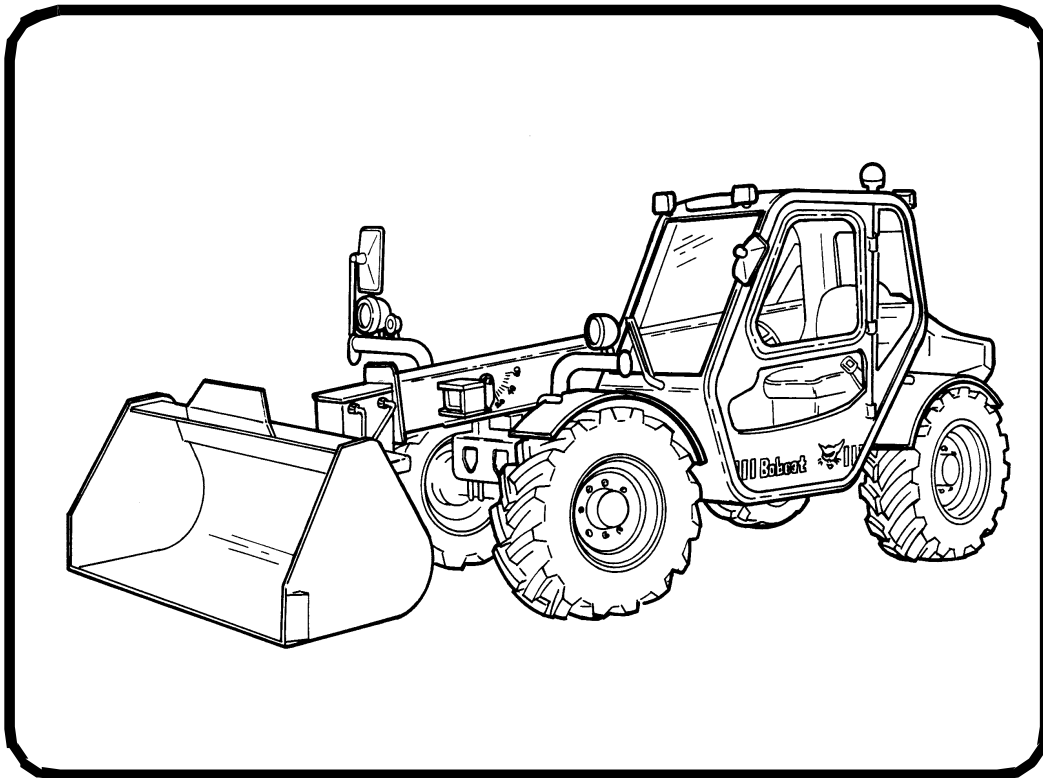
# Bobcat®

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## Service Manual V518 VersaHANDLER®

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**S/N A8G811001 & Above (with Cab)**  
**S/N A8G911001 & Above (with Canopy)**



Product: 2010 Bobcat V518 VersaHANDLER Service Repair Workshop Manual  
Full Download: <https://www.arepairmanual.com/downloads/2010-bobcat-v518-versahandler-service-repair-workshop-manual/>

Sample of manual. Download All 866 pages at:  
<https://www.arepairmanual.com/downloads/2010-bobcat-v518-versahandler-service-repair-workshop-manual/>

# 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

### CORRECT



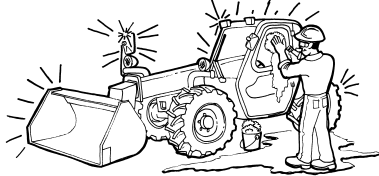
P-90216

⚠ Never service the Bobcat VersaHANDLER without instructions.



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

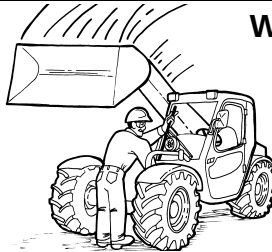
### CORRECT



B-16082

⚠ Cleaning and maintenance are required daily.

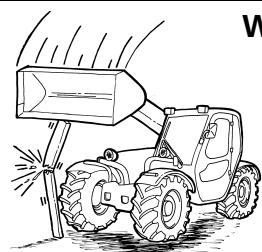
### WRONG



B-16080

⚠ Disconnecting or loosening any hydraulic tubeline, hose, fitting, component or a part failure can cause boom to drop. Do not go under boom when raised unless supported by an approved boom stop. Replace if damaged.

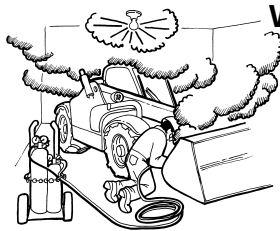
### WRONG



B-16079

⚠ Never work on VersaHANDLER with boom up unless boom is held by an approved boom stop. Replace if damaged.  
⚠ Never modify equipment or add attachments not approved by Bobcat Company.

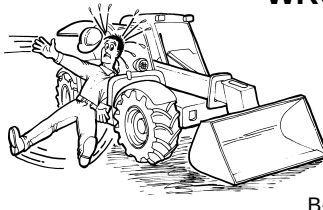
### WRONG



B-16081

⚠ Have good ventilation when welding or grinding painted parts.  
⚠ Wear dust mask when grinding painted parts. Toxic dust and gas can be produced.  
⚠ Avoid exhaust fume leaks which can kill without warning. Exhaust system must be tightly sealed.

### WRONG



B-16078

⚠ Keep body, jewelry and clothing away from moving parts, electrical contact, hot parts and exhaust.  
⚠ Wear eye protection to guard from battery acid, compressed springs, fluids under pressure and flying debris when engines are running or tools are used. Use eye protection approved for type of welding.

### WRONG



B-6589

⚠ Lead-acid batteries produce flammable and explosive gases.  
⚠ Keep arcs, sparks, flames and lighted tobacco away from batteries.  
⚠ Batteries contain acid which burns eyes or skin on contact. Wear protective clothing. If acid contacts body, flush well with water. For eye contact flush well and get immediate medical attention.

Maintenance procedures which are given in the Operation & Maintenance Manual can be performed by the owner/operator without any specific technical training. Maintenance procedures which are **not** in the Operation & Maintenance Manual must be performed **ONLY BY QUALIFIED BOBCAT SERVICE PERSONNEL**. Always use **genuine Bobcat replacement parts**.

MSW12-0409



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## FOREWORD

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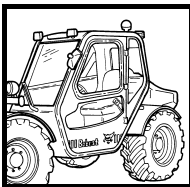
**Bobcat®**

# FOREWORD

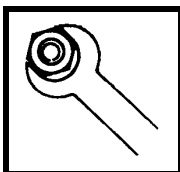
This manual is for the Bobcat VersaHANDLER mechanic. It provides necessary servicing and adjustment procedures for the Bobcat VersaHANDLER and its component parts and systems. Refer to the Operation & Maintenance Manual for operating instructions, starting procedure, daily checks, etc.

A general inspection of the following items must be made after the VersaHANDLER has had service or repair:

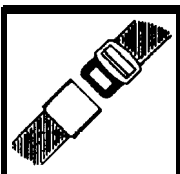
1. Check that ROPS/FOPS (including right side window) is in good condition and is not modified.



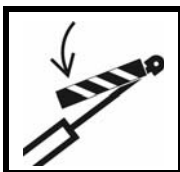
2. Check that ROPS mounting hardware is tightened and is Bobcat approved.



3. The seat belt must be correctly installed, functional and in good condition.



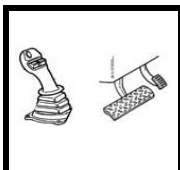
4. Check boom stop, replace if damaged.



5. Machine signs (decals) must be legible and in the correct location.



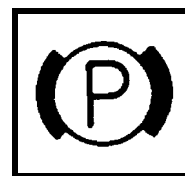
6. Joystick control lever and foot pedals must return to neutral.



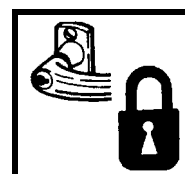
7. Check for correct function of the work lights.



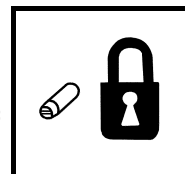
8. The parking brake must function correctly.



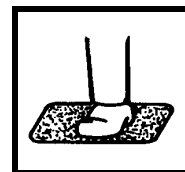
9. Enclosure door latches must open and close freely.



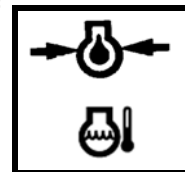
10. Attachment locking pins must function correctly and be in good condition. Bob-Tach wedges and linkages (if equipped) must function correctly and be in good condition.



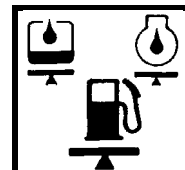
11. Safety treads must be in good condition.



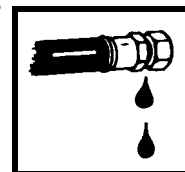
12. Check for correct function of indicator lamps and gauges.



13. Check hydraulic fluid level, engine oil level and fuel supply.



14. Inspect for fuel, oil or hydraulic fluid leaks.



15. Lubricate  
VersaHANDLER.

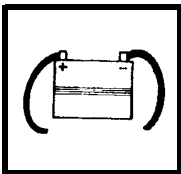
the



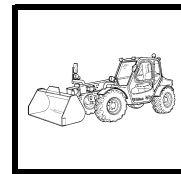
20. Check for any field  
modification not completed.



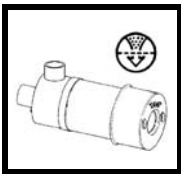
16. Check the condition of the  
battery and cables.



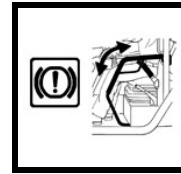
20. Operate the machine and  
check all functions.



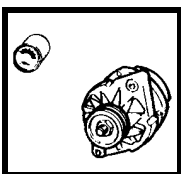
17. Inspect the air cleaner for  
damage or leaks. Check the  
condition of the element.



21. Check for correct function of  
the Lateral Operator Restraint  
System (LORS) if equipped.



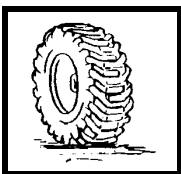
18. Check the electrical charging  
system.



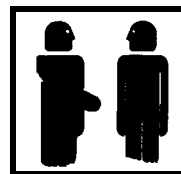
22. Check function or condition of  
all equipped options and  
accessories (examples: back-  
up alarm, fire extinguisher,  
rotating beacon, front  
stabilizers, etc.).



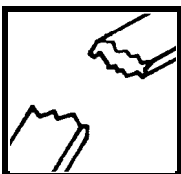
19. Check tires for wear and  
pressure. Use only approved  
tires.



23. Recommend to the owner  
that all necessary corrections  
be made before the machine  
is returned to service.



20. Inspect for loose or broken  
parts or connections.



## SAFETY INSTRUCTIONS



### Safety Alert Symbol

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



## 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-2003-0903

## 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 following publications provide information on the safe use and maintenance of the Bobcat machine and attachments:

- The Delivery Report is used to assure that complete instructions have been given to the new owner and that the machine is in safe operating condition.
- The Operation & Maintenance Manual delivered with the machine or attachment contains operating information as well as routine maintenance and service procedures. It is a part of the machine and can be stored in a container provided on the machine. Replacement Operation & Maintenance Manuals can be ordered from your Bobcat dealer.
- Machine signs (decals) instruct on the safe operation and care of your Bobcat machine or attachment. The signs and their locations are shown in the Operation & Maintenance Manual. Replacement signs are available from your Bobcat dealer.
- An Operator's Handbook fastened to the operator cab. It's brief instructions are convenient to the operator. The handbook is available from your dealer in an English edition or one of many other languages. See your Bobcat dealer for more information on translated versions.
- The AEM Safety Manual delivered with the machine gives general safety information.
- The Service Manual and Parts Manual are available from your dealer for use by mechanics to do shop-type service and repair work.
- The VersaHANDLER Operator Training Course is available through your local dealer or at [www.training.bobcat.com](http://www.training.bobcat.com) or [www.bobcat.com](http://www.bobcat.com). This course is intended to provide rules and practices of correct operation of the VersaHANDLER.
- The VersaHANDLER Safety Video is available from your Bobcat dealer or at [www.training.bobcat.com](http://www.training.bobcat.com) or [www.bobcat.com](http://www.bobcat.com).

## SAFETY INSTRUCTIONS (CONT'D)

The dealer and owner / operator review the recommended uses of the product when delivered. If the owner / operator will be using the machine for a different application(s) he or she must ask the dealer for recommendations on the new use.



Cutting or drilling concrete containing sand or rock containing quartz may result in exposure to silica dust. Do not exceed Permissible Exposure Limits (PEL) to silica dust as determined by OSHA or other job site Rules and Regulations. Use a respirator, water spray or other means to control dust. Silica dust can cause lung disease and is known to the state of California to cause cancer.

**Call Before You Dig**  
**Dial 811 (USA Only)**  
**1-888-258-0808 (USA & Canada)**

When you call, you will be directed to a location in your state / province, or city for information about buried lines (telephone, cable TV, water, sewer, gas, etc.).

## FIRE PREVENTION



### Maintenance

The machine and some attachments have components that are at high temperatures under normal operating conditions. The primary source of high temperatures is the engine and exhaust system. The electrical system, if damaged or incorrectly maintained, can be a source of arcs or sparks.

Flammable debris (leaves, straw, etc.) must be removed regularly. If flammable debris is allowed to accumulate, it can cause a fire hazard. Clean often to avoid this accumulation. Flammable debris in the engine compartment is a potential fire hazard.

The operator's area, engine compartment and engine cooling system must be inspected every day and cleaned if necessary to prevent fire hazards and overheating.

All fuels, most lubricants and some coolants mixtures are flammable. Flammable fluids that are leaking or spilled onto hot surfaces or onto electrical components can cause a fire.

### Operation

Do not use the machine where exhaust, arcs, sparks or hot components can contact flammable material, explosive dust or gases.

### Electrical



Check all electrical wiring and connections for damage. Keep the battery terminals clean and tight. Repair or replace any damaged part or wires that are loose or frayed.

Battery gas can explode and cause serious injury. Use the procedure in the Operation & Maintenance Manual for connecting the battery and for jump starting. Do not jump start or charge a frozen or damaged battery. Keep any open flames or sparks away from batteries. Do not smoke in battery charging area.

## Hydraulic System

Check hydraulic tubes, hoses and fittings for damage and leakage. Never use open flame or bare skin to check for leaks. Hydraulic tubes and hoses must be properly routed and have adequate support and secure clamps. Tighten or replace any parts that show leakage.

Always clean fluid spills. Do not use gasoline or diesel fuel for cleaning parts. Use commercial nonflammable solvents.

### Fueling



Stop the engine and let it cool before adding fuel. No smoking! Do not refuel a machine near open flames or sparks. Fill the fuel tank outdoors.

### Starting

Do not use ether or starting fluids on any engine that has glow plugs. These starting aids can cause explosion and injure you or bystanders.

Use the procedure in the Operation & Maintenance Manual for connecting the battery and for jump starting.

## Spark Arrestor Exhaust System

The spark arrestor exhaust system is designed to control the emission of hot particles from the engine and exhaust system, but the muffler and the exhaust gases are still hot.

Check the spark arrestor exhaust system regularly to make sure it is maintained and working properly. Use the procedure in the Operation & Maintenance Manual for cleaning the spark arrestor muffler (if equipped).

## **FIRE PREVENTION (CONT'D)**

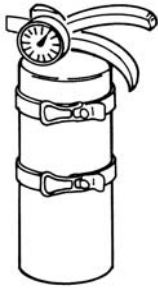
### **Welding And Grinding**

Always clean the machine and attachment, disconnect the battery, and disconnect the wiring from the Bobcat controllers before welding. Cover rubber hoses, battery and all other flammable parts. Keep a fire extinguisher near the machine when welding.

Have good ventilation when grinding or welding painted parts. Wear dust mask when grinding painted parts. Toxic dust or gas can be produced.

Dust generated from repairing nonmetallic parts such as hoods, fenders or covers can be flammable or explosive. Repair such components in a well ventilated area away from open flames or sparks.

### **Fire Extinguishers**



Know where fire extinguishers and first aid kits are located and how to use them. Inspect the fire extinguisher and service the fire extinguisher regularly. Obey the recommendations on the instructions plate.

## SERIAL NUMBER LOCATION

Always use the serial number of the VersaHANDLER when requesting service information or when ordering parts.

### VersaHANDLER Serial Number

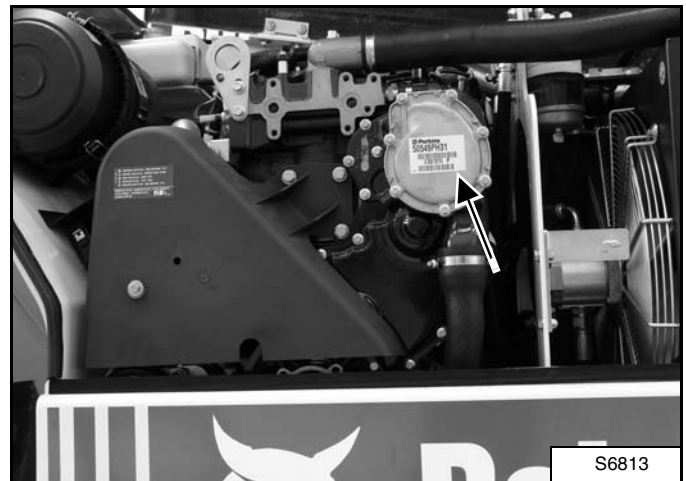
Figure 1



The front, on the right side of the chassis [Figure 1].

### Engine Serial Number

Figure 2

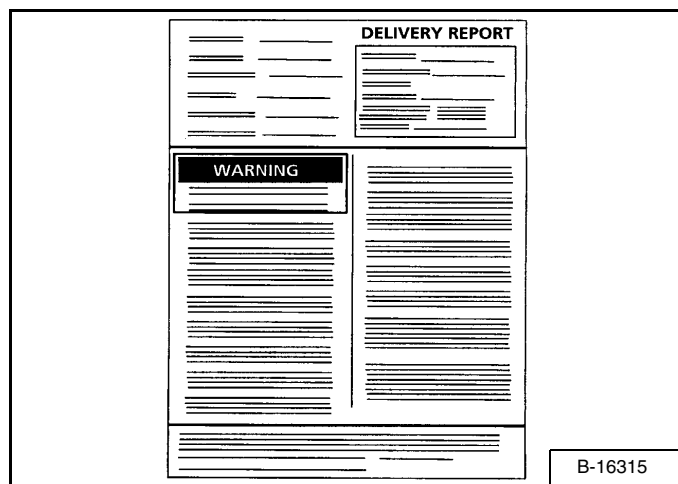


The engine serial number can be found on the water pump [Figure 2] in front of you when opening the engine cover. Always use the full number when ordering replacement parts.

### Other Serial Numbers

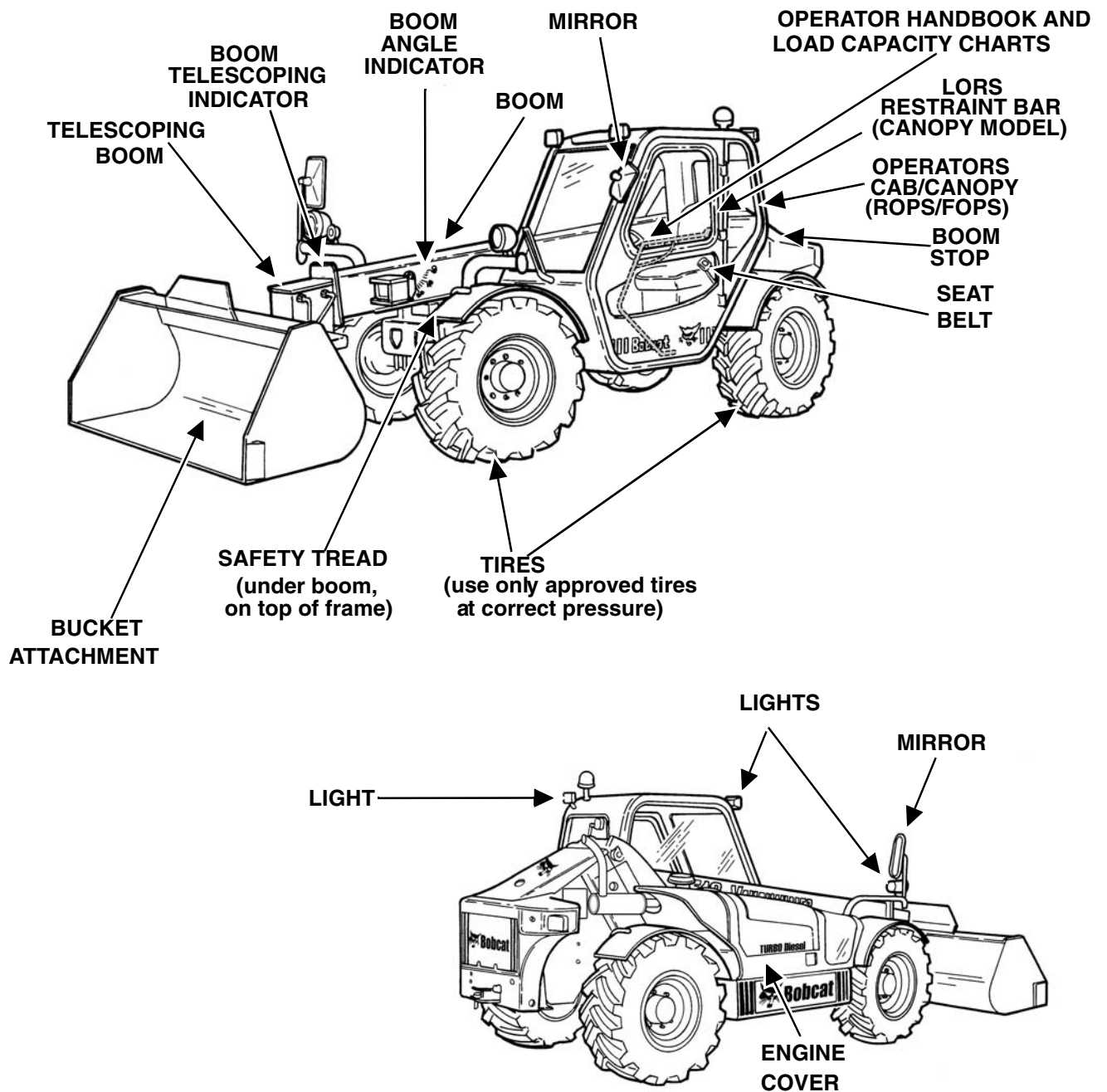
Some components can also have serial numbers. Always use these serial numbers when requesting parts.

### Figure 3



The Delivery Report must be completed by the dealer and signed by the owner or operator when the VersaHANDLER is delivered. An explanation of the form must be given to the owner. Make sure it is complete **[Figure 3]**.

## VERSAHANDLER IDENTIFICATION



S6922  
S6923



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## SAFETY & MAINTENANCE

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## LIFTING AND BLOCKING THE VERSAHANDLER

### Procedure

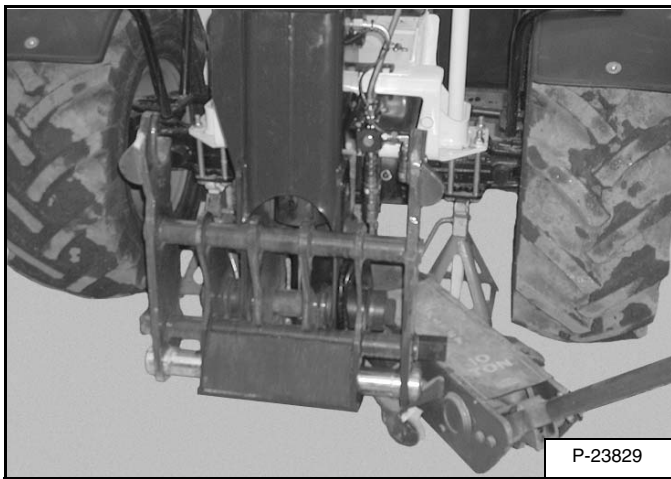
Always park the machine on a level surface.

# WARNING

Put jackstands under the front axles and rear corners of the frame before running the engine for service. Failure to use jackstands can allow the machine to fall or move and cause injury or death.

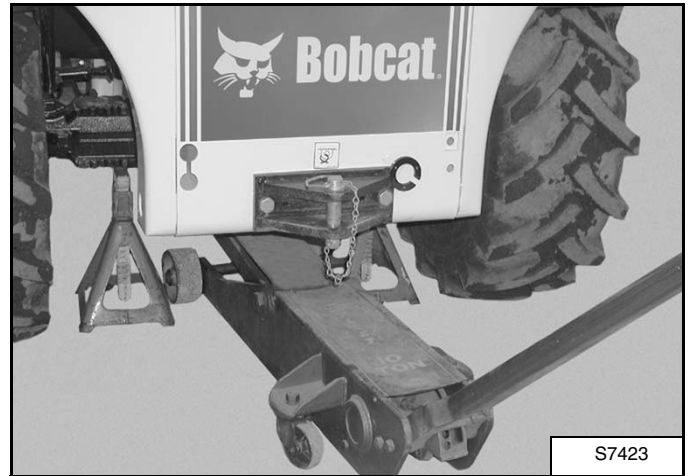
W-2017-0286

Figure 10-10-1



STOP the engine. Put the floor jack under the center of the front axle. Lift the VersaHANDLER and install jackstands [Figure 10-10-1].

Figure 10-10-2



Put the floor jack under the center of the rear axle. Lift the VersaHANDLER and install jackstands [Figure 10-10-2].



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## OPERATOR CAB / CANOPY

Figure 10-20-1



The VersaHANDLER has an operator cab or canopy (ROPS and FOPS) (Item 1) [Figure 10-20-1] to protect the operator from rollover and falling objects. Check with your dealer if the operator cab or canopy has been damaged. Never operate without right window. The seat belt must be worn for roll over protection.

ROPS/FOPS - Roll Over Protective Structure per SAE J1040 and ISO 3471, and Falling Object Protective Structure per SAE J1043 and ISO 3449 (FOPS Level II).

### **WARNING**

Never modify operator cab or canopy by welding, grinding, drilling holes or adding attachments unless instructed to do so by Bobcat. Do not operate without right window. Changes to the cab or canopy can cause loss of operator protection from rollover and falling objects, and result in serious injury or death.

W-2396-1202

## Cab Door

Figure 10-20-2

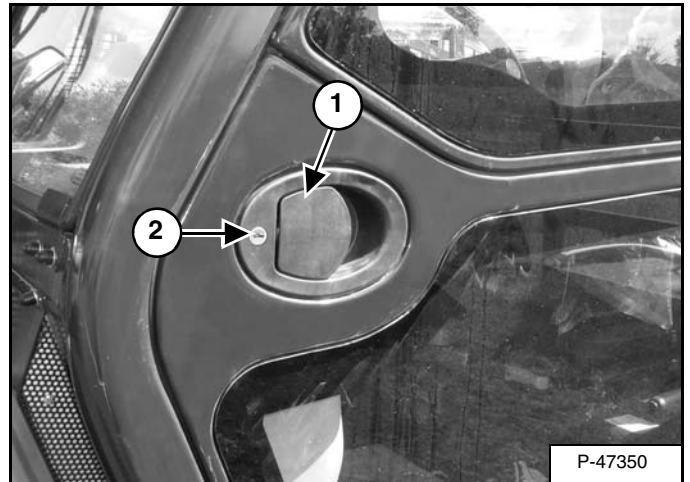
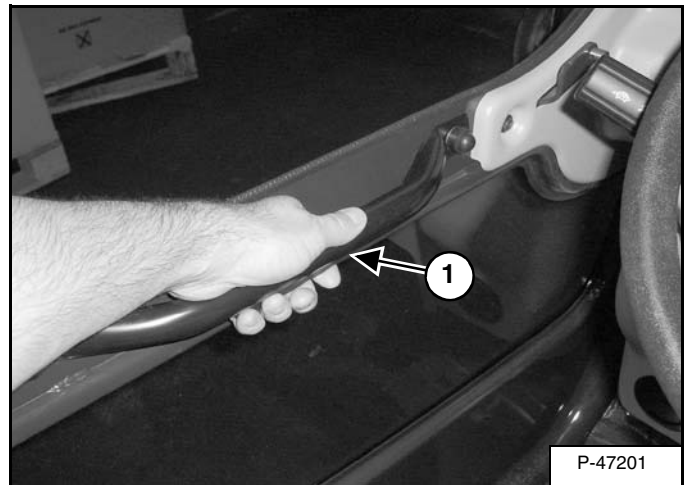


Figure 10-20-3



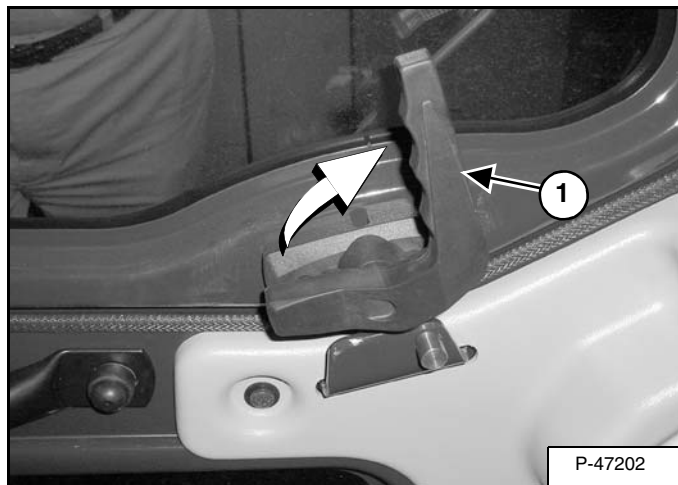
The cab door can be opened from the outside of the cab using the latch (Item 1) [Figure 10-20-2] and open from the inside of the cab when you squeeze the latch (Item 1) [Figure 10-20-3] (as shown).

The cab door can be locked (Item 2) [Figure 10-20-2] with the start key.

## OPERATOR CAB / CANOPY (CONT'D)

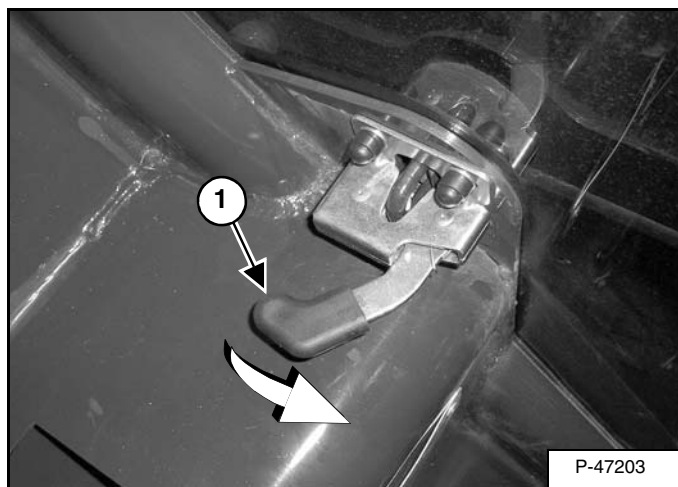
### Cab Door Window

Figure 10-20-4



Turn the handle (Item 1) **[Figure 10-20-4]** (as shown). Push open the window fully until it latches against the cab.

Figure 10-20-5



Pull the lever (Item 1) **[Figure 10-20-5]** inside the cab to disengage the latch and close the window.

## TRANSPORTING THE VERSAHANDLER ON A TRAILER

### Loading And Unloading

Figure 10-30-1



The VersaHANDLER must be loaded backward on the trailer.

The rear of the trailer must be blocked or supported (Item 1) [Figure 10-30-1] when loading or unloading the VersaHANDLER to prevent the front end of the trailer from raising up.

Be sure the transport and towing vehicles are of adequate size and capacity. For the weight of the VersaHANDLER (See Performance Specifications on Page SPEC-10-2.)



## WARNING

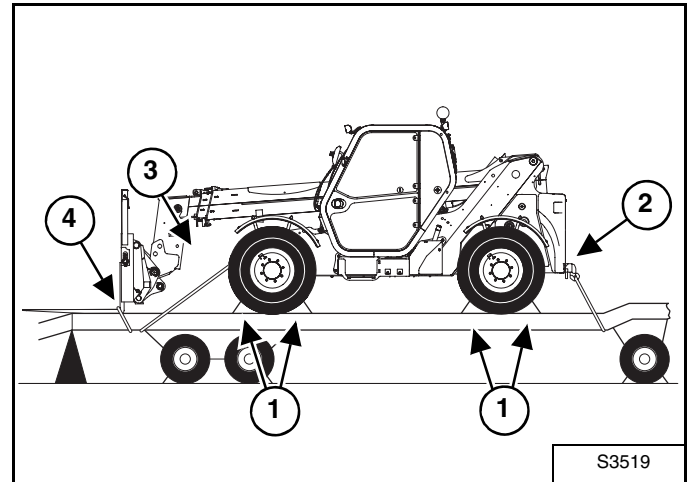
### AVOID SERIOUS INJURY OR DEATH

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-2058-0807

### Fastening

Figure 10-30-2



Fasten the VersaHANDLER to the transport vehicle to prevent it from moving during sudden stops or when going up or down slopes.

- Block the wheels (Item 1) [Figure 10-30-2].
- Fasten the machine frame to the transport vehicle (Items 2 and 3) [Figure 10-30-2].
- Attach the forks or bucket attachment to the transport vehicle (Item 4) [Figure 10-30-2].



**Bobcat®**

## TOWING THE VERSAHANDLER

### Procedure

The VersaHANDLER can be towed a short distance such as removing it from mud or loading onto a transport vehicle.

# ! WARNING

**UNEXPECTED MACHINE MOVEMENT CAN CAUSE  
SERIOUS INJURY OR DEATH**

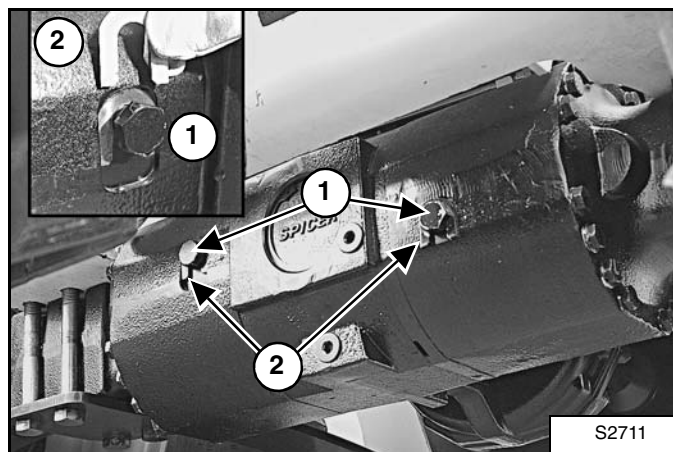
- **Block wheels to prevent roll away before adjusting screws to bypass the park brake system.**
- **Return adjustment screws to the operating position before operating the machine.**

**W-2808-0909**

Block the wheels to prevent the machine from rolling.

*Releasing Brake Disks:*

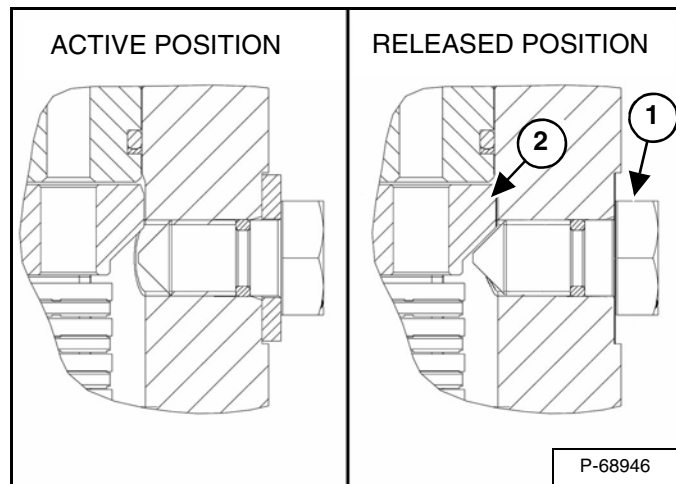
**Figure 10-40-1**



Loosen the four bolts (Item 1) until the slotted spacer (Item 2) [Figure 10-40-1] can be removed from under the bolt head (the bolts and washers are located on both the front and rear side of front axle).

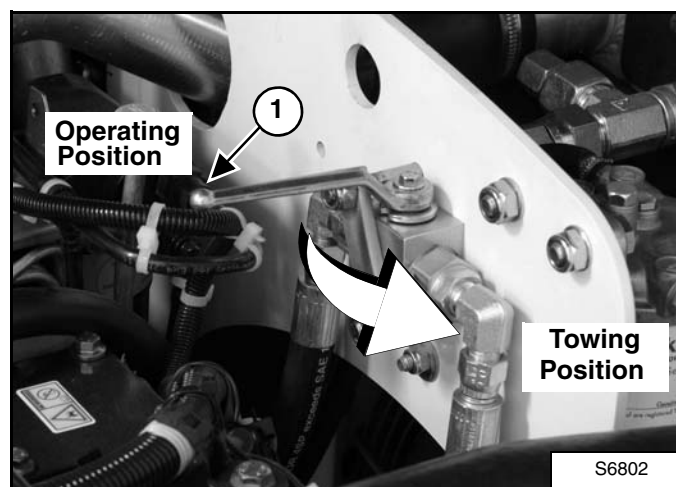
Remove the washer (Item 2) [Figure 10-40-1] and save for reuse.

**Figure 10-40-2**



After removing the washer, tighten the bolt (Item 1) [Figure 10-40-1] and [Figure 10-40-2] to hold the park brake piston (Item 2) [Figure 10-40-2] in the released position.

**Figure 10-40-3**



Raise the engine cover.

Turn the tow valve counterclockwise 90° (Item 1) [Figure 10-40-3] to TOWING POSITION.

Tow the VersaHANDLER at a slow speed.

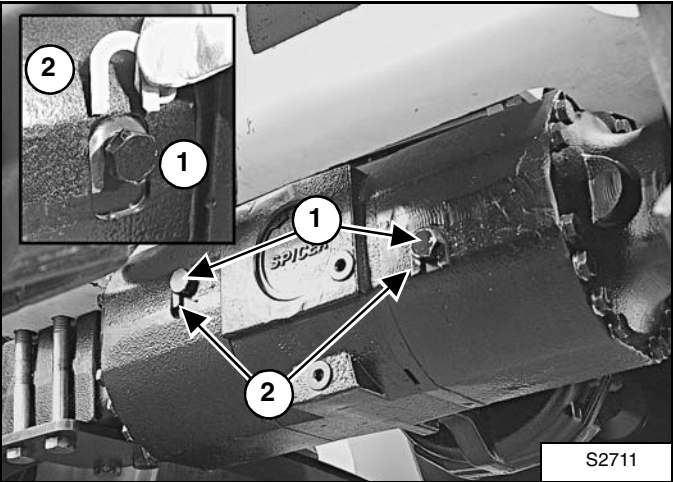
TOWING THE VERSAHANDLER (CONT'D)

Procedure (Cont'd)

Engaging Brake Disks:

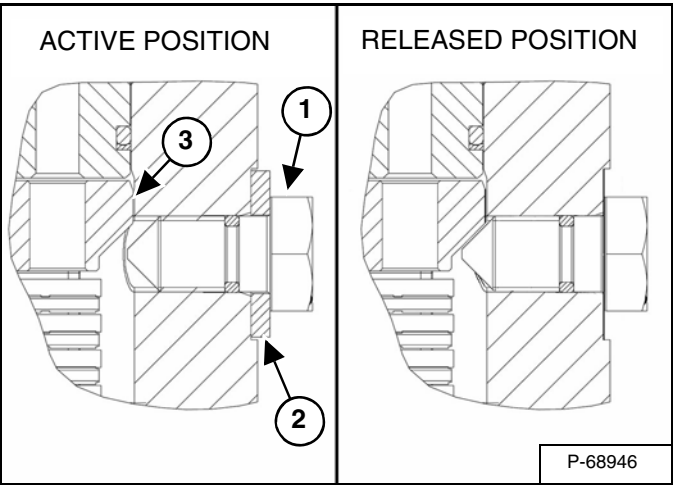
Block the wheels to prevent the machine from rolling.

Figure 10-40-4



Loosen the four bolts (Item 1) until the spacer (Item 2) [Figure 10-40-4] can be installed under the bolt head (the bolts and washers are located on both the front and rear side of front axle).

Figure 10-40-5



Tighten the bolt (Item 1) to the washer (Item 2) [Figure 10-40-4] and [Figure 10-40-5].

Tighten the bolt to 70 - 85 ft. - lb. (95 - 115 N•m) torque.

This will allow the park brake piston (Item 3) [Figure 10-40-5] to be active again.

## SERVICE SCHEDULE

### Chart

Maintenance work must be done at regular intervals. Failure to do so will result in excessive wear and early failures. The service schedule is a guide for correct maintenance of the Bobcat VersaHANDLER.



## 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-2003-0903

| SERVICE SCHEDULE                                                                                                                    |                                                                                                                                                                                                         | HOURS         |     |     |     |     |             |
|-------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----|-----|-----|-----|-------------|
| ITEM                                                                                                                                | SERVICE REQUIRED                                                                                                                                                                                        | 10            | 50  | 100 | 250 | 500 | [5]<br>1000 |
| Engine Oil                                                                                                                          | Check the oil level and add oil as needed.                                                                                                                                                              |               |     |     |     |     |             |
| Hydraulic Fluid                                                                                                                     | Check fluid level and add as needed.                                                                                                                                                                    |               |     |     |     |     |             |
| Articulation Pins                                                                                                                   | Lubricate with multipurpose lithium based grease.                                                                                                                                                       |               |     |     |     |     |             |
| Safety Signs, Safety Tread and Mirrors                                                                                              | Check for damaged signs (decals), safety tread and mirrors. Replace if damaged or worn.                                                                                                                 |               |     |     |     |     |             |
| Fuel Filter                                                                                                                         | Clean the sediment bowl/water trap.                                                                                                                                                                     |               |     |     |     |     |             |
| Nuts and Bolts                                                                                                                      | Check for loose nuts and bolts. Tighten as needed.                                                                                                                                                      |               |     |     |     |     |             |
| Seat Belt and Restraint Bar (if equipped)                                                                                           | Check the condition of the seat belt. Check the Restraint Bar (if equipped). Clean dirt and debris from moving parts.                                                                                   |               |     |     |     |     |             |
| Brakes                                                                                                                              | Check for function. Service as necessary.                                                                                                                                                               |               |     |     |     |     |             |
| Back-up Alarm                                                                                                                       | Check for function. Replace as necessary.                                                                                                                                                               |               |     |     |     |     |             |
| Lateral Operator Restraint System (if equipped)                                                                                     | Check that hydraulic and drive functions are deactivated when the restraint bar is raised. check indicator light on center instrument panel. See details in Operation & Maintenance Manual.             |               |     |     |     |     |             |
| Tires                                                                                                                               | Check for wear or damage. Inflate to correct pressure. Be sure all tires are inflated to the same pressure. Use only approved tires.                                                                    |               |     |     |     |     |             |
| Engine Air Filter And Air System                                                                                                    | Check condition indicator, replace element when required and empty dust cup as needed. Check air system for leaks.                                                                                      |               |     |     |     |     |             |
| Engine Cooling System                                                                                                               | Clean debris from oil cooler, radiator and air conditioner condenser. check coolant level cold in reservoir. Add premixed coolant as needed (See ENGINE COOLING SYSTEM) Check cooling system for leaks. |               |     |     |     |     |             |
| King Pins, U-Joints, Axle Oscillation (Front/Rear), Attach. Frame Pivot(s), Tilt/Lift Cyl., Boom Pivot, Leveling Cyl. (if equipped) | Lubricate with multipurpose lithium based grease.                                                                                                                                                       |               |     |     |     |     |             |
| Telescopic Boom Slide                                                                                                               | Lubricate with multipurpose lithium based grease. Check wear blocks for adjustment or replacement.                                                                                                      |               |     |     |     |     |             |
| Hydraulic Hoses, Tubelines and Connections                                                                                          | Check condition of hoses, tubelines and connectors. Repair or replace as needed.                                                                                                                        |               |     |     |     |     |             |
| Battery                                                                                                                             | Check electrolyte level. Add distilled water as needed.                                                                                                                                                 |               |     |     |     |     |             |
| Wheel Nuts                                                                                                                          | Check wheel nut torque. Tighten as needed [221 ft.-lb. (300 N•m)].                                                                                                                                      | [1]           |     |     |     |     |             |
| Restraint Bar Spring Pivot                                                                                                          | Lubricate with multipurpose lithium based grease.                                                                                                                                                       |               |     |     |     |     |             |
| Alt. and Air Cond. Belt (if equipped)                                                                                               | Check belt tension and adjust as needed.                                                                                                                                                                |               | [2] |     |     |     |             |
| Engine Oil and Filter                                                                                                               | Replace the engine oil and filter. See SPECIFICATIONS for correct capacity. Use a genuine Bobcat filter.                                                                                                |               | [2] |     |     |     |             |
| Engine Air Filter                                                                                                                   | Replace the outer filter element. Use a genuine Bobcat filter.                                                                                                                                          |               | [2] |     |     |     |             |
| Fuel Filter                                                                                                                         | Replace the fuel filter element. Use a genuine Bobcat filter.                                                                                                                                           |               | [2] |     |     |     |             |
| Hydraulic Fluid Filter                                                                                                              | Replace the hydraulic filter element. Use a genuine Bobcat filter.                                                                                                                                      |               | [2] |     |     |     |             |
| Hydrostatic Fluid Filter                                                                                                            | Replace the hydraulic filter element. Use a genuine Bobcat filter.                                                                                                                                      |               | [2] |     |     |     |             |
| Hydraulic Fluid and Filter                                                                                                          | Replace the hydraulic fluid and filter element. See SPECIFICATIONS.                                                                                                                                     |               |     |     |     |     |             |
| Front and Rear Axle Fluid                                                                                                           | Replace the axle fluid. See SPECIFICATIONS.                                                                                                                                                             |               |     | [3] |     | [4] |             |
| Telescopic Boom Wear Blocks                                                                                                         | Check for wear and adjust as needed. Replace as necessary.                                                                                                                                              |               |     |     |     |     |             |
| Pivot Pins and Bushings                                                                                                             | Check for wear on the pivot pins and bushings.                                                                                                                                                          |               |     |     |     |     |             |
| Engine valve lash                                                                                                                   | Check and adjust as needed.                                                                                                                                                                             |               |     |     |     |     |             |
| Engine Coolant                                                                                                                      | Check freeze protection of antifreeze -34°F (-30°C). Flush cooling system and replace with premixed coolant                                                                                             | Every 2 years |     |     |     |     |             |

[1] Check wheel nut torque every 8 hours for the first 24 hours.

[2] Perform service first time, then as indicated in chart.

[3] Check level.

[4] Replace fluid first time, then as indicated in chart.

[5] Or every 12 months.

Product: 2010 Bobcat V518 VersaHANDLER Service Repair Workshop Manual  
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