



Bobcat®

Operation & Maintenance Manual



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UV34 Utility Vehicle

(UV34) S/N B53621001 & Above
(UV34 Cal) S/N B4LW21001 & Above
(UV34XL) S/N B53721001 & Above
(UV34XL Cal) S/N B4LZ21001 & Above



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REFERENCE INFORMATION

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

Utility Vehicle 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

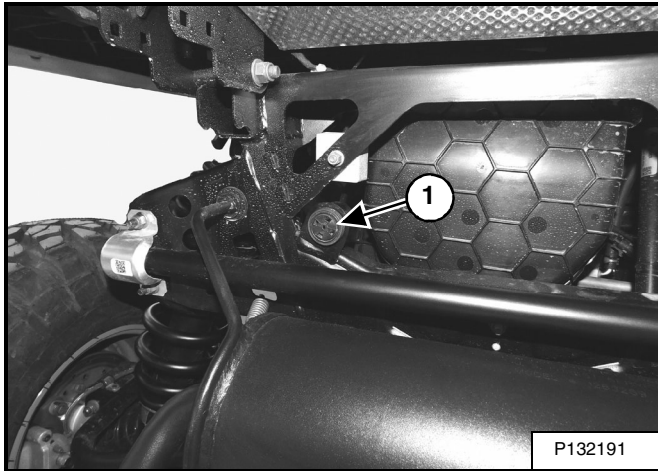
Doosan Bobcat Manufacturing s.r.o.
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CZECH REPUBLIC

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BACK-UP ALARM SYSTEM

Description

Figure 21



The back-up alarm (If equipped) (Item 1) [Figure 21] is located on the rear frame above the muffler.

A back-up alarm is not a substitute for looking to the rear when operating the utility vehicle in reverse, or for keeping bystanders away from the work area. Operators **must always** look in the direction of travel, including **reverse**, and must also keep bystanders away from the work area, even though the utility vehicle is equipped with a back-up alarm.

Operators must be trained to **always** look in the direction of travel, **including when operating the utility vehicle in reverse** and to keep bystanders away from the work area. Bystanders should be trained to **always** keep away from the operator's work area and travel path.

Operation

WARNING

AVOID INJURY OR DEATH

- Always keep bystanders away from the work area and travel path.
- The operator must maintain a clear view of the direction of travel and look before and during machine movement.
- The back-up alarm must sound when operating the machine in the reverse direction.

W-2783-0118

The back-up alarm will sound when the operator moves the gear selector into the REVERSE position (with the key in the ON position).

If alarm does not sound, see the inspection and maintenance instructions for the back-up alarm system in the preventive maintenance section of this manual. (See BACK-UP ALARM SYSTEM on Page 68.)

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**ROLL-OVER PROTECTIVE STRUCTURE (ROPS) /
OCCUPANT PROTECTIVE STRUCTURE (OPS)**

Description

The Bobcat UV34 has a Roll-Over Protective Structure (ROPS) / Occupant Protective Structure (OPS) to provide protection from rollover. The seat belts must be worn for ROPS / OPS protection.

Check the ROPS / OPS, mounting and hardware for damage. Never modify the ROPS / OPS. Replace the ROPS / OPS and hardware if damaged. See your Bobcat dealer for parts.

ROPS - Roll-Over Protective Structure per OSHA 1928.53: 2006.

OPS - Occupant Protective Structure per ANSI/OPEI B71.9-2016, Section 5.1.2

**WARNING**

AVOID INJURY OR DEATH

Never modify ROPS / OPS by welding, grinding, drilling holes or adding attachments unless instructed to do so by Bobcat Company. Changes to the ROPS / OPS can cause loss of occupant protection.

W-2959-1212

OPERATOR CAB (ROPS) / (OPS)

Description

The Bobcat UV34 has an optional cab that is a Roll-Over Protective Structure (ROPS) / Occupant Protective Structure (OPS) to provide protection from rollover. The seat belts must be worn for ROPS / OPS protection.

Check the ROPS / OPS, mounting and hardware for damage. Never modify the ROPS / OPS. Replace the ROPS / OPS and hardware if damaged. See your Bobcat dealer for parts.

ROPS - Roll-Over Protective Structure per OSHA 1928.53: 2006

OPS - Occupant Protective Structure per ANSI/OPEI B71.9-2016, Section 5.1.2

**WARNING**

AVOID INJURY OR DEATH

Never modify ROPS / OPS by welding, grinding, drilling holes or adding attachments unless instructed to do so by Bobcat Company. Changes to the ROPS / OPS can cause loss of occupant protection.

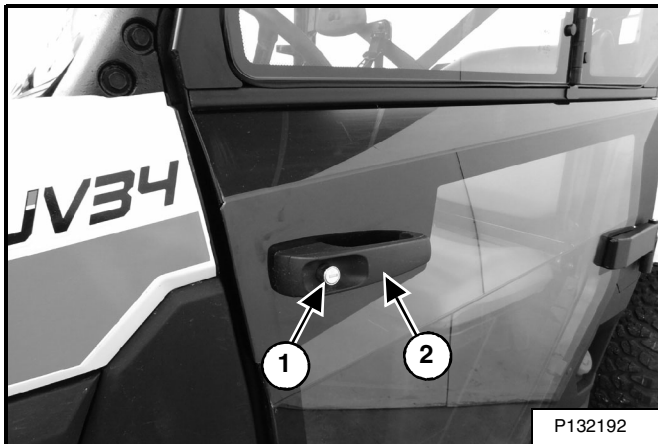
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OPERATOR CAB (ROPS) / (OPS) (CONT'D)

Cab Door

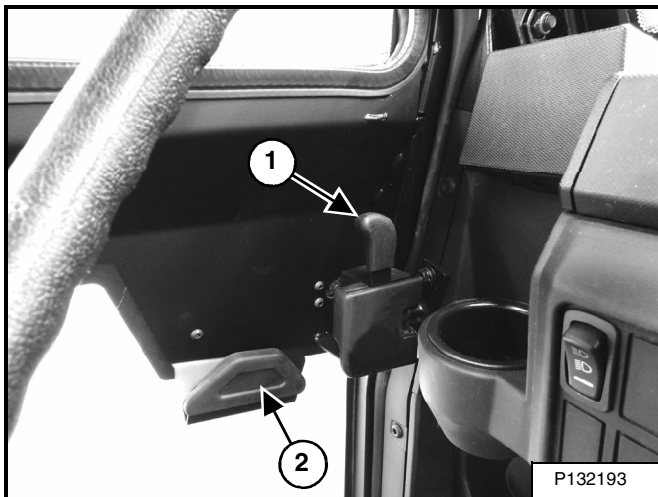
Figure 22



If equipped with a cab, open the driver side and the passenger side doors from the outside by pressing the button on the latch (Item 1) and pulling out on the handle (Item 2) [Figure 22].

The doors can be locked using the start key in the button (Item 1) [Figure 22]. (The rear doors on the XL model use a separate key for locking and unlocking the doors.)

Figure 23

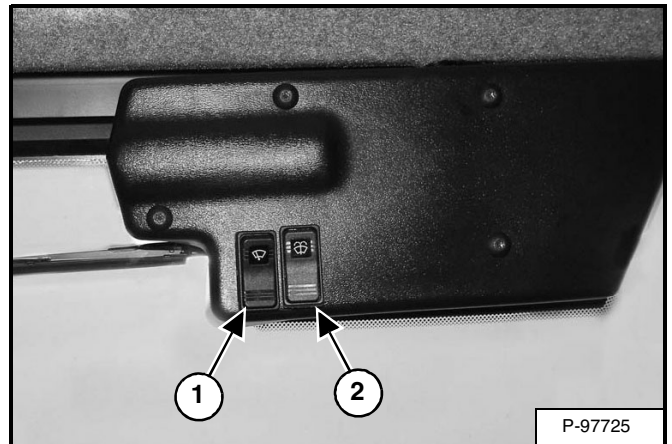


If equipped with a cab, open the driver side and the passenger side doors from the inside by pushing forward on the latch (Item 1) [Figure 23].

To close the door, pull in on the grab handle (Item 2) [Figure 23] until the door is fully closed.

Front Wiper

Figure 24



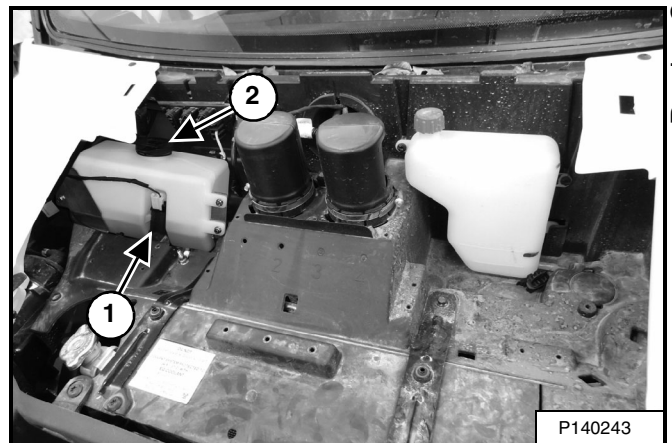
If equipped with a cab, the overhead console will have the wiper switch (Item 1) and the window washer switch (Item 2) [Figure 24].

Wiper Switch - (Item 1) [Figure 24] OFF - LOW - HIGH.

Washer Switch - press and hold switch (Item 2) [Figure 24] to activate washer.

Window Washer Reservoir

Figure 25



The window washer reservoir (Item 1) [Figure 25] is located below the front cover. Remove the front cover. (See FRONT COVER on Page 110.)

Remove the cap (Item 2) [Figure 25] and add washer fluid as needed.

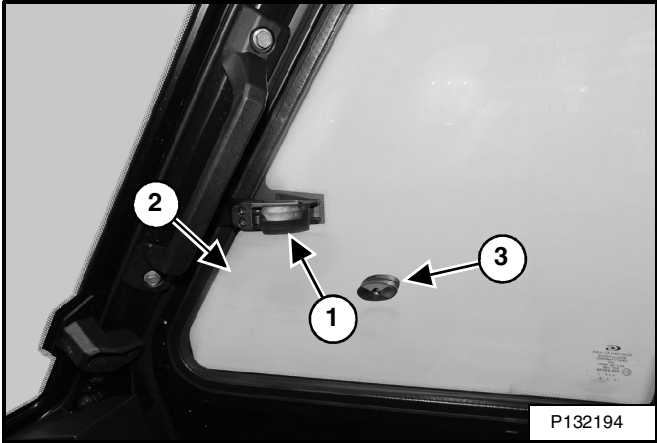
Reinstall the front cover. (See FRONT COVER on Page 110.)

OPERATOR CAB (ROPS) / (OPS) (CONT'D)

Side Windows

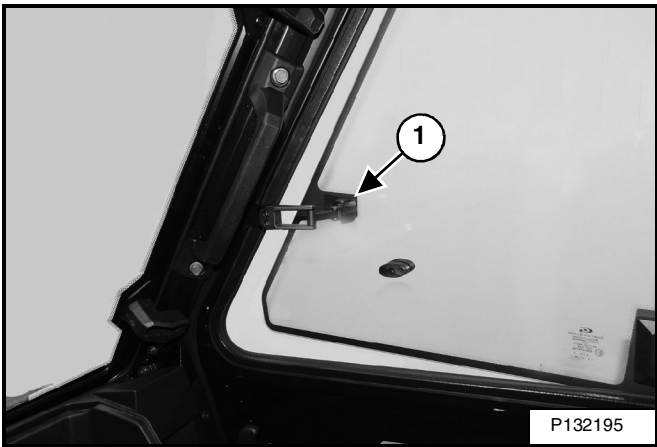
Opening The Driver And Passenger Side Windows

Figure 26



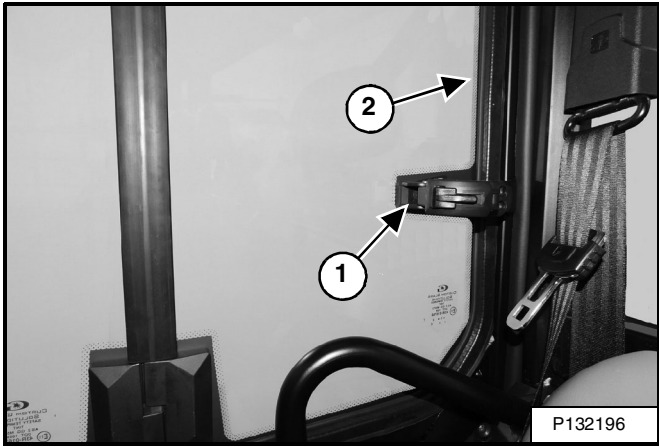
If equipped with a cab, the driver side and the passenger front side windows can be opened by releasing the latch (Item 1) and pushing the front edge (Item 2) [Figure 26] of the window open.

Figure 27



To close the window, rotate the latch (Item 1) [Figure 27] fully forward to the locked position.

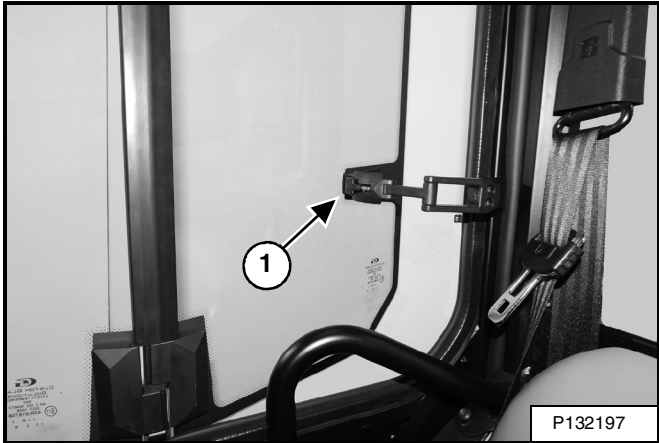
Figure 28



If equipped with a cab, the driver side and the passenger rear side windows can be opened a small amount by releasing the latch (Item 1) and pushing the rear edge (Item 2) [Figure 28] of the window open.

The rear side window can also be fully opened. Once the window is open, release the latch (Item 1) [Figure 28] and rotate the window fully forward. Use the retainer (Item 3) [Figure 26] to secure the window in the open position.

Figure 29



To close the window, rotate the latch (Item 1) [Figure 29] fully back to the locked position.

If the window is fully opened, rotate the retainer (Item 3) [Figure 26] to release the window. Close the window until the latch (Item 1) [Figure 29] can be reconnected and rotated into the locked position.

NEW VEHICLE BREAK-IN

Break-In Period

WARNING

AVOID SERIOUS INJURY OR DEATH

Failure to operate this vehicle properly can result in a collision, loss of control, accident or overturn, which may result in serious injury or death. Read and understand all safety information outlined in the safety instructions of this manual.

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The break-in period for your new Bobcat utility vehicle is the first 25 hours of operation, or the time it takes to use the first two full tanks of fuel.

No single action on your part is as important as a proper break-in period. Careful treatment of a new engine will result in more efficient performance and longer life of the engine. Perform the following procedures carefully.

NOTE: Excessive heat build-up during the first three hours of operation will damage close-fitting engine parts and drive components. Do not operate at full throttle or high speed for extended periods of time during the first three hours of use.

Brake System Break-In

Apply only moderate braking force for the first 50 stops. Aggressive or overly forceful braking when the brake system is new could damage brake pads and rotors.

Clutches / Belt Break-In

A proper break-in of the clutches and belt will ensure a longer life and better performance. Break in the clutches and belt by operating at slower speeds during the break-in period as recommended. Pull only light loads. Avoid aggressive acceleration and high speed operation during the break-in period.

If a belt fails, always clean any debris from the PVT intake and outlet duct and from the clutch and engine compartments when replacing the belt.

Engine And Drivetrain Break-In

WARNING

AVOID SERIOUS INJURY OR DEATH

Failure to handle diesel fuel properly can result in a fire which may result in serious injury or death.

- Always exercise extreme caution whenever handling diesel fuel.
- Always stop the engine when refueling.
- Always refuel outdoors or in a well ventilated area.
- Remove flammable material containers from the box before filling them with fuel.
- Do not smoke or allow open flames or sparks in or near the area where refueling is performed or where diesel fuel is stored.
- Do not overfill the tank. Do not fill the tank neck.
- If diesel fuel spills on your skin or clothing, immediately wash it off with soap and water and change clothing.
- Store diesel fuel in an approved container only. Store in a well-ventilated area away from sparks, open flames, heaters, or heat sources
- Keep diesel fuel out of the reach of children.
- To avoid the possibility of fire, clean up any spilled fuel before operating the vehicle.

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1. Fill the fuel tank with gasoline. Always exercise extreme caution whenever handling gasoline. (See FUEL SYSTEM on Page 81.)
2. Check the oil level. Engine oil should be checked cold or allow time for the oil to drain back into the pan before checking. Add the recommended oil as needed to maintain the oil level in the normal (safe) operating range.
3. Complete the New Operator Driving Procedures.
4. Avoid aggressive use of the brakes.
5. Vary the engine throttle positions. Do not operate at sustained idle.
6. Pull only light loads.
7. Perform regular checks on fluid levels, controls and areas outlined on the daily inspection checklist. (See DAILY INSPECTION on Page 36.)
8. During the break-in period, change both the oil and filter at 25 hours or one month.
9. Check fluid levels of the transmission and all gear cases at the first 25 hours and every 200 hours thereafter.

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DAILY INSPECTION

Daily Inspection And Maintenance

Inspection and maintenance work must be done at regular intervals to be sure that the utility vehicle is in good operating condition. Failure to do so will result in excessive wear and early failures. The Service Checklist is a guide for correct inspection and maintenance of the utility vehicle.

NOTE: Operating a damaged vehicle can result in an accident. After any overturn or accident, have a qualified Bobcat dealer inspect the entire utility vehicle for damage, including (but not limited to) ROPS / OPS, brakes, engine speed control and steering systems.

- Brake System / Pedal Travel - Check for proper operation. (See BRAKE SYSTEM on Page 70.) and (See THROTTLE SYSTEM on Page 72.)
- Roll-Over Protective Structure (ROPS) / Occupant Protective Structure (OPS) - Check ROPS / OPS and mounting hardware. (See ROLL-OVER PROTECTIVE STRUCTURE (ROPS) / OCCUPANT PROTECTIVE STRUCTURE (OPS) on Page 77.)
- Seat Belt - Check entire belt for damage, latches for proper operation.
- Safety Signs (Decals) - Replace if damaged or missing.
- Brake Fluid - Check for proper level. (See BRAKE SYSTEM on Page 70.)
- Front Suspension - Check for wear or damage. (See STEERING AND SUSPENSION SYSTEM on Page 75.)
- Rear Suspension - Check for wear or damage. (See STEERING AND SUSPENSION SYSTEM on Page 75.)
- Steering - Check for free operation, check components for wear or damage. (See STEERING AND SUSPENSION SYSTEM on Page 75.)
- Tires - Check for Wear, Damage, and Correct Air Pressure. (See TIRE MAINTENANCE on Page 109.)
- Wheel Fasteners - Check for proper torque. (See TIRE MAINTENANCE on Page 109.)
- Frame Fasteners - Inspect and insure tightness.
- Engine Oil Level. (See ENGINE LUBRICATION SYSTEM on Page 84.)
- Fuel Level. (See FUEL SYSTEM on Page 81.)

- Engine Cooling System - Check System for Damage or Leaks, Check Coolant Level, Clean Radiator and Grille. (See ENGINE COOLING SYSTEM on Page 87.)
- Throttle Pedal - Check for proper operation. (See THROTTLE SYSTEM on Page 72.)
- Indicator Lights / Switches - Check for proper operation. (See Instrument Panel on Page 20.)
- Engine Air Filter / Air Box / Evacuator Valve - Check System for damage or leaks. (See AIR CLEANER SERVICE on Page 78.)
- Head Lights - Check for proper operation.
- Brake / Tail Lights - Check for proper operation.
- Grass / Leaves - Remove grass, leaves and other flammable materials from the machine, especially near the exhaust system.



WARNING

AVOID INJURY OR DEATH

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.

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IMPORTANT

PRESSURE WASHING DECALS

- Never direct the stream at a low angle toward the decal that could damage the decal causing it to peel from the surface.
- Direct the stream at a 90 degree angle and at least 300 mm (12 in) from the decal. Wash from the center of the decal toward the edges.

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PRE-STARTING PROCEDURE

Entering The Utility Vehicle

NOTE: Always inspect your Bobcat utility vehicle before each use for safe operating conditions. (See Daily Inspection And Maintenance on Page 36.)

WARNING

AVOID INJURY OR DEATH

The Bobcat Utility Vehicle is not a toy and can be hazardous to operate. This vehicle handles differently than other vehicles, such as motorcycles or cars. A collision or rollover can occur quickly, even during routine maneuvers like turning, or driving on hills or over obstacles, if you fail to take proper precautions.

- Read this Operation and Maintenance Manual. Understand all safety signs (decals), precautions and operating procedures before operating this vehicle. Keep the Operation and Maintenance Manual with the vehicle.
- This vehicle is an **ADULT VEHICLE ONLY**. NEVER operate this vehicle if you are under 16 and NEVER operate without a valid drivers license.
- No person under the age of 12 may ride as a passenger in this vehicle. Any passenger must be able to comfortably reach the floor and hand holds.
- Never permit a guest to operate this vehicle unless the guest has read this manual and all safety signs (decals).

W-2817-0510

Figure 30



This vehicle is an **ADULT VEHICLE ONLY**. NEVER operate this vehicle if you are under age 16 and NEVER operate without a valid driver's license [Figure 30].

No person under age 12 may ride as a passenger in this vehicle. Any passenger must be able to comfortably reach the floor and hand holds.

Figure 31



Enter the vehicle [Figure 31].

Read the Operation & Maintenance Manual (located in the storage compartment) before operating the utility vehicle.

WARNING

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

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PRE-STARTING PROCEDURE (CONT'D)

Seat Belt Adjustment

**WARNING**

AVOID SERIOUS INJURY OR DEATH
Falling from a moving vehicle could result in serious injury or death. Always fasten your seat belt securely before operating or riding in the Bobcat Utility Vehicle.

W-2819-0510

Figure 32



Fasten the seat belt snugly [Figure 32]. The belt must be positioned over your shoulder and over your lower hips. Make sure the belt is not twisted.

NOTE: Make sure all passenger seat belts are properly fastened before operating this utility vehicle.

IMPORTANT

Check the seat belt and shoulder belt retractors for correct operation.

Keep retractors clean and replace as necessary.

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With Center Passenger

Figure 33



The center occupant also has a 3-Point Restraint Seat Belt.

The belt must be positioned over your shoulder and over your lower hips [Figure 33]. Make sure the belt is not twisted.

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