

SERVICE SCHEDULE

Maintenance Intervals

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 product.



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.

W-2003-0807

Daily (Before Starting The Utility Vehicle)

- **Engine Oil** - Check level and add as needed. (NOTE: The engine oil should be checked cold or allow time for the oil to drain back into the pan before checking.) (See NOTE [2])
- **Hydraulic Fluid** - Check level and add as needed. (See NOTE [2])
- **Brake Fluid** - Check level and add as needed. (See NOTE [2])
- **Fuel** - Check level and add as needed.
- **Cooling System** - Inspect oil cooler, radiator, Air Conditioning Condenser (if equipped). Inspect oil cooler, radiator, air condition condenser (if equipped) and grilles for debris. Remove debris if needed. Check coolant level COLD and add premixed coolant as needed. (See NOTE [2])
- **Brake System and Pedal Travel** - Insure proper operation. (See NOTE [2])
- **Engine Speed Control Lever** - Insure proper operation.
- **Travel Control Pedal** - Insure proper operation.
- **Tires** - Check for wear, damage and correct tire pressure. (See NOTE [2])
- **ROPS / OPS and Seat Belt** - Check the condition of the ROPS / OPS and mounting hardware. Check the condition of seat belts. Clean or replace seat belt retractors as needed.
- **Front and Rear Suspension and Steering** - Inspect for broken parts, loose hardware and free operation. (See NOTE [2])
- **Safety Signs (Decals)** - Check for damaged or missing signs (decals). Replace any signs that are damaged or missing.
- **Frame Fasteners** - Inspect and ensure tightness.
- **Head Lights, Tail Lights, Indicator Lights and Switches** - Check for proper operation and apply dielectric grease when a lamp is replaced.
- **Wheel Nuts** - Check for loose wheel nuts and tighten to correct torque. See TIRE MAINTENANCE in this Manual. (See NOTE [4])
- **Engine Air Filter and Prefilter Screen** - Inspect, clean screen and replace filter as needed. Check for leaks and damaged components. (See NOTE [2])
- **PTO (if equipped)** - Inspect the splines, guards, shields and mounting hardware. Tighten loose hardware and replace damaged parts.
- **Heater / Air Conditioning Filter (if equipped)** - Clean and replace filter as needed during the heating and cooling seasons. (See NOTE 2)

SERVICE SCHEDULE (CONT'D)

Maintenance Intervals (Cont'd)

Every 25 Hours

- **Battery** - Check cables, connections, clean and test.
- **Attachment Interface Mounting Hardware** - Check or adjust after the first 25 hours of operation; then as scheduled.
- **Front Differential Lubricant** - Service at first 25 hours, then as scheduled. Check lubricant level; add as needed.
- **Transmission Lubricant** - Service at first 25 hours, then as scheduled. Check lubricant level; add as needed.

Every 50 Hours

- **Engine Oil and Filter** - Service at first 50 hours, then as scheduled. Replace oil and filter. See SPECIFICATION section for proper oil requirements. (See NOTE [2])
- **Fuel Filter** - Remove trapped water. Poor fuel quality may require more frequent draining.
- **Prop Shaft Yoke, Steering and Suspension Components** - Locate the fitting(s) and grease. (See NOTE [2])
- **Air Intake System** - Inspect all air intake lines for leaks and repair or replace components as necessary. Drain water drain valve.
- **Alternator / Fan / Water Pump Belt** - Service at first 50 hours, then as scheduled. Check belt tension and adjust or replace as needed.
- **Air Conditioning Belt (if equipped)** - Check belt tension and adjust or replace as needed.
- **Hydraulic Fluid, Filter and Breather Cap** - Perform first service at 50 hours; then as scheduled. (Change hydraulic filter only; fluid change not required at initial change.)

Every 100 Hours

- **Engine Oil and Filter** - Replace oil and filter. See SPECIFICATION section for proper oil requirements. (See NOTE [2])
- **Attachment Interface Mounting Hardware** - Retorque the two lower bolts to 129 N•m (95 ft-lb).
- **Travel Direction Control And Engine Speed Control System** - Ensure proper operation and adjust as necessary.
- **Brake Pad Wear** - Inspect. Replace if necessary. (See NOTE [2])
- **Shift Linkage** - Inspect, lubricate and adjust.
- **Front Differential Lubricant** - Check lubricant level; add as needed. (See NOTE [1 and 2])
- **Transmission Lubricant** - Check lubricant level; add as needed. (See NOTE [1 and 2])
- **Fuel System** - Check for leaks at tank cap, lines and fuel pump. (See NOTE [3])
- **Radiator** - Check for leaks and clean external surfaces. (See NOTE [2])
- **Cooling Hoses, Engine Mounts, Exhaust Pipe, Muffler and Hydraulic Hoses** - Inspect for damage or leaks (if applicable). Replace components if necessary. (See NOTE [3])
- **Wiring** - Inspect for wear and routing. Apply dielectric grease to connectors subjected to water, mud, etc.
- **Front and Rear Suspension and Steering** - Inspect for steering freeplay and suspension wear. Replace components as necessary. (See NOTE [2])
- **Front Wheel Bearings** - Inspect. Replace as needed.
- **PTO Gearbox** - Inspect for leaks.
- **Alternator / Fan / Water Pump Belt** - Check belt tension and adjust or replace as needed.
- **Air Conditioning Belt (if equipped)** - Check belt tension and adjust or replace as needed.

Every 150 Hours

- **Engine Air Filter** - Replace filter element.
- **Fuel Filter** - Replace filter element.

Every 200 Hours

- **PTO Belt (if equipped)** – Inspect belt. Replace as needed.
- **Toe Adjust** – Inspect front axle toe adjustment. Adjust if necessary and when parts are replaced. (See NOTE [2])
- **Brake Fluid** - Replace the fluid. (Change every 200 hours or two years, whichever comes first)

SERVICE SCHEDULE (CONT'D)

Maintenance Intervals (Cont'd)

Every 400 Hours

- **Hydraulic Fluid, Filter and Breather Cap** - Replace the fluid and filter.
- **PTO Gearbox Lubricant** - Replace the fluid.
- **PTO Shaft Universal Joints** - Inspect for wear. Replace as needed.
- **PTO Clutch Brake** - Adjust tension.

Every 12 Months

- **Cooling System** - Test coolant strength and pressure test system.
- **PTO Gearbox Lubricant** - Replace the fluid.
- **PTO Shaft Universal Joints** - Inspect for wear. Replace as needed.
- **PTO Clutch Brake** - Adjust tension.

Every 24 Months

- **Coolant** - Replace the coolant.

Every 300 Hours or 36 Months

- **Spark Arrestor Muffler** - Empty the spark chamber.

Every 1000 Hours

- **Engine Valves** - Adjust engine valves. See your Bobcat dealer for service.

Every 1500 Hours

- **Engine Breather System** - Inspect the crankcase breather system. See your Bobcat dealer for service.

[1] Change yearly.

[2] Perform these procedures more often for vehicles subject to severe use.

[3] Replace lines every two years.

[4] The wheel nuts must be checked and torqued after the first eight hours of operation of a new machine and after the first eight hours of operation when the wheel(s) have been removed for service.



Bobcat®