

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 loader.



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

Every 10 Hours (Before Starting The Loader)

- **Engine Oil** - Check level and add as needed.
- **Engine Air Filters and Air System** - Check display panel. Service only when required. Check for leaks and damaged components.
- **Engine Cooling System** - Clean debris from radiator, fuel cooler, hydraulic fluid cooler, air conditioning condenser (if equipped), and rear grille. Check coolant level COLD and add premixed coolant as needed.
- **Fuel Filter** - Check display panel. Remove the trapped water when required.
- **Lift Arms, Lift Links, Cylinders, Bob-Tach, Pivot Pins, Wedges, Steering Cylinders** - Lubricate with multipurpose lithium based grease.
- **Seat Belt, Seat Belt Retractors, Seat Bar, Control Interlocks** - Check the condition of seat belt. Clean or replace seat belt retractors as needed. Check the seat bar and control interlocks for correct operation. Clean dirt and debris from moving parts.
- **Bobcat Interlock Control Systems (BICS™)** - Check for correct function. Lift and Tilt functions **MUST NOT** operate with seat bar raised.
- **Front Horn / Back-up Alarm** - Check for proper function.
- **Tires** - Check for damaged tires and correct air pressure. Inflate to **MAXIMUM** pressure shown on the sidewall of the tire.
- **Operator Cab** - Check the fastening bolts, washers, and nuts. Check the condition of the cab.
- **Indicators and Lights** - Check for correct operation of all indicators and lights.
- **Wheel Nuts** - Perform every 10 hours or daily for the first 30 hours, then as scheduled. Check for loose wheel nuts and tighten to correct torque.
- **Safety Signs and Safety Treads** - Check for damaged signs (decals) and safety treads. Replace any signs or safety treads that are damaged or worn.
- **Hydraulic Fluid** - Check fluid level and add as needed.
- **Heater and Air Conditioning Filters** (If Equipped) - Clean or replace filters as needed.

Every 50 Hours

- **Hydraulic Hoses and Tubelines** - Check for damage and leaks. Repair or replace as needed.
- **Final Drive Transmission (Chaincase)** - Check fluid level and add as needed.
- **Parking Brake and Joysticks** - Check for correct operation. Repair or adjust as needed.
- **Wheel Nuts** - Check for loose wheel nuts and tighten to correct torque.
- **Engine / Hydrostatic Drive Belt** - Perform at first 50 hours, then as scheduled. Check for wear or damage. Check idler arm stop.
- **Engine Oil and Filter** - Perform at first 50 hours, then as scheduled. Replace oil and filter.

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SERVICE SCHEDULE (CONT'D)

Maintenance Intervals (Cont'd)

Every 100 Hours

- **Battery** - Check cables, connections, and electrolyte level; add distilled water as needed.
- **Engine Oil and Filter** - Perform every 100 hours when operating under severe conditions. Replace oil and filter.

Every 250 Hours Or Every 12 Months

- **Engine / Hydrostatic Drive Belt** - Check for wear or damage. Check idler arm stop.
- **Drive Belts (Alternator, air conditioning, water pump)** - Check condition. Replace as needed.
- **Bobcat Interlock Control System (BICS™)** - Check the function of the lift arm bypass control.
- **Steering King Pins** - Lubricate with multipurpose lithium based grease.

Every 500 Hours Or Every 12 Months

- **Fuel Filter** - Replace filter element.
- **Steering Valve Inline Filter, Hydraulic Charge Filter, Hydraulic Reservoir Breather Cap** - Replace the charge filter, the steering filter, and the reservoir breather cap.
- **Engine Oil and Filter** - Perform every 100 hours when operating under severe conditions. Replace oil and filter.
- **Heater Coil and Air Conditioning Evaporator (If Equipped)** - Clean the heater coil and air conditioning evaporator. Clean the plenum drains.

Every 1000 Hours Or Every 12 Months

- **Hydraulic / Hydrostatic Filter** - Replace the hydraulic / hydrostatic filter.
- **Hydraulic Reservoir** - Replace the fluid.
- **Final Drive Transmission (Chaincase)** - Replace the fluid.
- **Wheel Bearing / Outer Splines** - Repack wheel bearings, grease internal splines in hub yoke.
- **Engine Valves** - Adjust the engine valve clearance.

Every 1500 Hours

- **Fuel Injectors** - Check for proper operation.
- **Exhaust Gas Recirculation (EGR) Cooler** - Test the EGR cooler for leaks.
- **Crankcase Ventilation Filter** - Replace the crankcase ventilation filter.
- **Positive Crankcase Ventilation (PCV) Valve** - Check the PCV valve for free movement.

Every 3000 Hours

- **Turbocharger** - Check the turbocharger for leaks. Tighten bolts, nuts, and clamps or replace gaskets, clamps, and hoses as needed. Check the wheel clearance. Replace turbocharger if the wheel touches the housing.
- **Diesel Particulate Filter (DPF)** - Disassemble, clean, and reassemble the DPF.
- **Exhaust Gas Recirculation (EGR) System** - Perform an EGR actuation test. Clean the gas and coolant passages.
- **Supply Pump** - Check for proper operation and calibrate.
- **Mass Air Flow Sensor** - Check for proper function.

Every 24 Months

- **Coolant** - Replace the coolant.

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