

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 excavator.



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 Excavator)

- **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** - Check coolant level COLD and add premixed coolant as needed.
- **Fuel Filter** - Check display panel. Remove the trapped water when required.
- **Seat Belt, Seat Belt Retractors, Seat Belt Mounting hardware, Control Console Lockout** - Check the condition of seat belt and mounting hardware. Clean or replace seat belt retractors as needed. Check the control console lockout lever for proper operation. Clean dirt and debris from moving parts.
- **Motion Alarm** - Check for proper function.
- **Operator Cab** - Check the cab condition and mounting hardware.
- **Indicators and Lights** - Check for correct operation of all indicators and lights.
- **Safety Signs** - Check for damaged signs (decals). Replace any signs that are damaged.
- **Hydraulic Fluid** - Check fluid level and add as needed.
- **Track Tension** - Check tension and adjust as needed.
- **Swing Reduction Gearbox** - Check fluid level and add as needed.

Every 50 Hours

- **Hydraulic Hoses and Tubelines** - Check for damage and leaks. Repair or replace as needed.
- **Steering Levers and Joysticks** - Check for correct operation. Repair as needed.
- **Swing Bearing** - Grease swing bearing. Service every 10 hours when operating in water.
- **Blade, Boom Swing, Boom Swing Cylinder and Bucket Pivot Points** - Add Grease. Service every 10 hours when operating in water.
- **Battery** - Check cables, connections, and electrolyte level; add distilled water as needed.
- **Fuel Tank** - Drain water and sediment from fuel tank.

Every 100 Hours

- **Drive Belts (Alternator, air conditioning, water pump)** - Check condition. Replace as needed. Service at first 50 hours, then as scheduled.

Every 250 Hours Or Every 12 Months

- **Boom and Arm (Workgroup) Pivot Points** - Add Grease. Service every 10 hours when operating in water.
- **Engine Oil and Filter** - Service at first 50 hours, then as scheduled. Replace oil and filter.
- **Fuel / Water Separator Screen** - Service at first 50 hours, then as scheduled. Replace as needed.
- **Travel Motors (Final Drive)** - Check fluid level and add as needed.

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SERVICE SCHEDULE (CONT'D)

Maintenance Intervals (Cont'd)

Every 500 Hours Or Every 12 Months

- **Swing Pinion** - Grease swing pinion.
- **Cooling System** - Clean debris from radiator, fuel cooler, hydraulic fluid cooler, air conditioning condenser (if equipped), and front and rear grille.
- **Fuel Filter** - Replace filter element.
- **Hydraulic Filter and Hydraulic Reservoir Breather Cap** - Replace the charge filter and the reservoir breather cap.
- **Belts and Idler** - Service at first 100 hours, then as scheduled. Check condition. Replace as necessary.
- **Alternator and Starter** - Service at first 100 hours, then as scheduled. Check connections.
- **Heater and Air Conditioning Filters** - Clean or replace filters as needed.

Every 1000 Hours

- **Engine Valves** - Adjust the engine valve clearance.

Every 1000 Hours Or Every 12 Months

- **Swing Reduction Gear** - Grease swing reduction gear.
- **Hydraulic Suction Filter** - Service at first 250 hours, then as scheduled. Clean the hydraulic suction filter, replace as needed.
- **Travel Motors (Final Drive)** - Service at first 100 hours, then as scheduled. Replace fluid.
- **Pilot Filter** - Service at first 250 hours, then as scheduled. Replace the pilot filter.
- **Swing Reduction Gear** - Service at first 100 hours, then as scheduled. Replace fluid.

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 2000 Hours Or Every 12 Months

- **Hydraulic Reservoir** - Replace the hydraulic fluid.

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.

Every 24 Months

- **Coolant** - Replace the coolant.

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