

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. (See Page 118.)
- **Engine Air Filters and Air System** - Check display panel. Service only when required. Check for leaks and damaged components. (See Page 112.)
- **Engine Cooling System** - Check coolant level COLD and add premixed coolant as needed. (See Page 120.) and (See Page 121.)
- **Fuel Filter** - Check display panel. Remove the trapped water when required. (See Page 116.)
- **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. (See Page 106.)
- **Motion Alarm** - Check for proper function. (See Page 107.)
- **Operator Cab** - Check the cab condition and mounting hardware. (See Page 38.)
- **Indicators and Lights** - Check for correct operation of all indicators and lights. (See Page 30.)
- **Safety Signs** - Check for damaged signs (decals). Replace any signs that are damaged. (See Page 20.)
- **Hydraulic Fluid** - Check fluid level and add as needed. (See Page 129.)
- **Track Tension** - Check tension and adjust as needed. (See Page 140.)
- **Swing Bearing** - Grease swing bearing every 10 hours when operating in water. (See Page 151.)
- **Blade, Boom Swing, Boom Swing Cylinder and Bucket Pivot points** - Grease pivot points every 10 hours when operating in water. (See Page 154.)
- **Boom and Arm (Workgroup) Pivot Points** - Grease pivot points every 10 hours when operating in water. (See Page 154.)

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. (See Page 152.)
- **Blade, Boom Swing, Boom Swing Cylinder and Bucket Pivot Points** - Grease pivot points. (See Page 150.)
- **Battery** - Check cables, connections, and electrolyte level; add distilled water as needed. (See Page 122.)
- **Fuel Tank** - Drain water and sediment from fuel tank. (See Page 117.)
- **Drive Belts (Alternator, Air Conditioning, Water Pump)** - Service at first 50 hours, then as scheduled. Check condition. Replace as needed.
- **Engine Oil and Filter** - Service at first 50 hours, then as scheduled. Replace oil and filter. (See Page 119.)
- **Fuel / Water Separator Screen** - Service at first 50 hours, then as scheduled. Replace as needed. (See Page 117.)

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SERVICE SCHEDULE (CONT'D)

Maintenance Intervals (Cont'd)

Every 100 Hours

- **Drive Belts (Alternator, air conditioning, water pump)** - Check condition. Replace as needed. (See Page 143.) and (See Page 144.)
- **Belts and Idler** - Service at first 100 hours, then as scheduled. Replace as necessary. (See Page 145.)
- **Alternator and Starter** - Service at first 100 hours, then as scheduled. Check connections.
- **Travel Motors (Final Drive)** - Service at first 100 hours, then as needed. Replace fluid. (See Page 142.)

Every 250 Hours Or Every 12 Months

- **Boom and Arm (Workgroup) Pivot Points** - Grease pivot points. (See Page 150.)
- **Engine Oil and Filter** - Replace oil and filter. (See Page 119.)
- **Fuel / Water Separator Screen** - Replace as needed. (See Page 117.)
- **Travel Motors (Final Drive)** - Check fluid level and add as needed. (See Page 142.)
- **Hydraulic Suction Filter** - Service at first 250 hours, then as scheduled. Clean the hydraulic suction filter, replace as needed. (See Page 131.)

Every 500 Hours Or Every 12 Months

- **Swing Pinion** - Grease swing pinion. (See Page 152.)
- **Cooling System** - Clean debris from radiator, fuel cooler, hydraulic fluid cooler, air conditioning condenser (if equipped), and front and rear grille. (See Page 120.)
- **Fuel Filter** - Replace filter element. (See Page 116.)
- **Hydraulic Filter and Hydraulic Reservoir Breather Cap** - Replace the charge filter and the reservoir breather cap. (See Page 129.)
- **Belts and Idler** - Check condition. Replace as necessary. (See Page 143.) and (See Page 144.)
- **Alternator and Starter** - Check connections.
- **Heater and Air Conditioning Filters** - Clean or replace filters as needed. (See Page 110.)

Every 1000 Hours

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

Every 1000 Hours Or Every 12 Months

- **Swing Reduction Gear** - Grease swing reduction gear. (See Page 152.)
- **Hydraulic Suction Filter** - Clean the hydraulic suction filter, replace as needed. (See Page 131.)
- **Travel Motors (Final Drive)** - Replace fluid. (See Page 142.)

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. (See Page 134.)

Every 3000 Hours

- **Diesel Particulate Filter (DPF)** - Disassemble, clean, and reassemble the DPF. Replace the DPF after two cleaning events.
- **Exhaust Gas Recirculation (EGR) System** - Perform an EGR actuation test. Clean the gas and coolant passages.

Every 24 Months

- **Coolant** - Replace the coolant. (See Page 121.)