

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 124.)
- **Engine Air Filters and Air System** - Check display panel. Service only when required. Check for leaks and damaged components. (See Page 118.)
- **Engine Cooling System** - Check coolant level COLD and add premixed coolant as needed. (See Page 126.) and (See Page 127.)
- **Fuel Filter** - Check display panel. Remove the trapped water when required. (See Page 122.)
- **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 112.)
- **Motion Alarm** - Check for proper function. (See Page 113.)
- **Operator Cab** - Check the cab condition and mounting hardware. (See Page 46.) and (See Page 151.)
- **Indicators and Lights** - Check for correct operation of all indicators and lights. (See Page 38.)
- **Safety Signs** - Check for damaged signs (decals). Replace any signs that are damaged. (See Page 24.)
- **Hydraulic Fluid** - Check fluid level and add as needed. (See Page 133.)
- **Track Tension** - Check tension and adjust as needed. (See Page 145.)
- **Swing Reduction Gearbox** - Check fluid level and add as needed. (See Page 140.)

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. (See Page 155.)
- **Blade, Boom Swing, Boom Swing Cylinder, Bucket Pivot Points** - Add Grease. Service every 10 hours when operating in water. (See Page 155.)
- **Battery** - Check cables, connections, and electrolyte level; add distilled water as needed. (See Page 128.)
- **Fuel Tank** - Drain water and sediment from fuel tank. (See Page 123.)

Every 100 Hours

- **Drive Belts (Alternator, air conditioning, water pump)** - Check condition. Replace as needed. Service at first 50 hours, then as scheduled. (See Page 148.) and (See Page 149.)

Every 250 Hours Or Every 12 Months

- **Boom, Articulated Boom (if equipped) and Arm (Workgroup) Pivot Points** - Add Grease. Service every 10 hours when operating in water. (See Page 155.)
- **Engine Oil and Filter** - Service at first 50 hours, then as scheduled. Replace oil and filter. (See Page 125.)
- **Fuel / Water Separator Screen** - Service at first 50 hours, then as scheduled. Replace as needed. (See Page 123.)
- **Travel Motors (Final Drive)** - Check fluid level and add as needed. (See Page 147.)

SERVICE SCHEDULE (CONT'D)

Maintenance Intervals (Cont'd)

Every 500 Hours Or Every 12 Months

- **Swing Pinion** - Grease swing pinion. (See Page 155.)
- **Cooling System** - Clean debris from radiator, fuel cooler, hydraulic fluid cooler, air conditioning condenser (if equipped), and front and rear grille. (See Page 126.)
- **Fuel Filter** - Replace filter element. (See Page 122.)
- **Hydraulic Filter and Hydraulic Reservoir Breather Cap** - Replace the charge filter and the reservoir breather cap. (See Page 133.)
- **Belts and Idler** - Service at first 100 hours, then as scheduled. Check condition. Replace as necessary. (See Page 148.) and (See Page 149.)
- **Alternator and Starter** - Service at first 100 hours, then as scheduled. Check connections.
- **Heater and Air Conditioning Filters** - Clean or replace filters as needed. (See Page 116.)

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 155.)
- **Hydraulic Suction Filter** - Service at first 250 hours, then as scheduled. Clean the hydraulic suction filter, replace as needed. (See Page 135.)
- **Travel Motors (Final Drive)** - Service at first 100 hours, then as scheduled. Replace fluid. (See Page 147.)
- **Pilot Filter** - Service at first 250 hours, then as scheduled. Replace the pilot filter. (See Page 135.)
- **Swing Reduction Gear** - Service at first 100 hours, then as scheduled. Replace fluid. (See Page 140.)

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 139.)

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 127.)

NOTE: The Inspection Checkbook can be ordered for you by your local dealer. Part number 7296478.