

## 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.



# 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

#### *Every 10 Hours (Before Starting The Excavator)*

- **Engine Oil** - Check level and add as needed. (See Page 111.)
- **Engine Air Filters and Air System** - Check condition indicator. Service only when required. Check for leaks and damaged components. (See Page 105.)
- **Engine Cooling System** - Check coolant level COLD and add premixed coolant as needed. (See Page 113.)
- **Fuel Filter** - Remove the trapped water and sediment from fuel / water separator. (See Page 107.)
- **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 100.)
- **Motion Alarm** - Check for proper function. (See Page 101.)
- **Operator Cab** - Check the cab condition and mounting hardware. (See Page 40.)
- **Indicators and Lights** - Check for correct operation of all indicators and lights. (See Page 35.)
- **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 120.)
- **Track Tension** - Check tension and adjust as needed. (See Page 128.)
- **Swing Reduction Gearbox** - Check fluid level and add as needed. (See Page 126.)

#### *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 137.)
- **Blade, Boom Swing, Boom Swing Cylinder and Bucket Pivot Points** - Add Grease. Service every 10 hours when operating in water. Service every 10 hours for the first 100 hours, then as scheduled. (See Page 137.)
- **Battery** - Check cables, connections, and electrolyte level; add distilled water as needed. (See Page 115.)
- **Fuel Tank** - Drain water and sediment from fuel tank. (See Page 107.)

#### *Every 100 Hours*

- **Spark Arrester Muffler** - Clean spark chamber. (See Page 127.)
- **Drive Belts (Alternator, air conditioning, water pump)** - Check condition. Replace as needed. Service at first 50 hours, then as scheduled. (See Page 131.) and (See Page 133.)

#### *Every 250 Hours Or Every 12 Months*

- **Boom and Arm (Workgroup) Pivot Points** - Add Grease. Service every 10 hours when operating in water. Service every 10 hours for the first 100 hours, then as scheduled. (See Page 137.)
- **Engine Oil and Filter** - Service at first 50 hours, then as scheduled. Replace oil and filter. (See Page 111.)
- **Fuel / Water Separator Screen** - Service at first 50 hours, then as scheduled. Replace as needed. (See Page 109.)
- **Travel Motors (Final Drive)** - Check fluid level and add as needed. (See Page 130.)

## SERVICE SCHEDULE (CONT'D)

### Maintenance Intervals (Cont'd)

*Every 500 Hours Or Every 12 Months*

- **Swing Pinion** - Grease swing pinion. (See Page 137.)
- **Cooling System** - Clean debris from radiator, fuel cooler, hydraulic fluid cooler, air conditioning condenser (if equipped), and front and rear grille. (See Page 113.)
- **Fuel Filter** - Replace filter element. (See Page 109.)
- **Hydraulic Filter and Hydraulic Reservoir Breather Cap** - Service at first 250 hours, then as scheduled. Replace the primary hydraulic filter and the reservoir breather cap. (See Page 122.)
- **Belts and Idler** - Service at first 100 hours, then as scheduled. Check condition. Replace as necessary. (See Page 131.) and (See Page 133.)
- **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 104.)

*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 137.)
- **Hydraulic Suction Filter** - Service at first 250 hours, then as scheduled. Clean the hydraulic suction filter, replace as needed. (See Page 122.)
- **Travel Motors (Final Drive)** - Service at first 100 hours, then as scheduled. Replace fluid. (See Page 130.)
- **Hydraulic Filter** - Service at first 250 hours, then as scheduled. Replace the pilot filter. (See Page 122.)
- **Swing Reduction Gear** - Service at first 100 hours, then as scheduled. Replace fluid. (See Page 130.)

*Every 2000 Hours Or Every 12 Months*

- **Hydraulic Reservoir** - Replace the hydraulic fluid. (See Page 125.)

*Every 24 Months*

- **Coolant** - Replace the coolant. (See Page 114.)

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