

## 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 maintenance items listed under the maintenance intervals on the following pages are the required tasks to be performed. Those items provide additional details and include maintenance that is not shown on the decal.

All maintenance intervals are for machines operating in general environmental conditions. Keep in mind that filter and oil life can be reduced:

- When machines are operating in high dust environments or extreme temperature applications,
- When fuel is taken from uncontrolled storage tanks,
- When other non-standard conditions exist.

For more details, contact your Bobcat dealer.

### SERVICE SCHEDULE

**EVERY 10 HOURS (BEFORE STARTING THE MACHINE) :**

- ENGINE OIL - Check level and add as needed. Do not overfill.
- HYDRAULIC FLUID - Check fluid level and add as needed.
- SAFETY SIGNS, SAFETY TREAD AND MIRRORS - Check for damaged signs (decals), load charts, safety treads and mirrors. Replace if damaged or missing.
- FUEL FILTER - Remove trapped water through the tap on the bottom of the filter tank.
- TIRES - Check for wear, damage and proper inflation pressure. Use only approved tires.
- BRAKES AND CONTROLS - Check for function. Service as necessary.
- GAUGES, HORN AND BACKUP ALARM - Check for function. Repair or replace as needed.
- GENERAL - Check for loose or broken parts, damaged cab, seat belt and instrument operations. Check for installation of right hand cab window. Clean mirrors and windows. Repair or replace as needed.
- ENGINE COOLING SYSTEM - Clean debris from oil cooler, radiator and air conditioner condenser. Check cold coolant level in recovery tank. Add 50% ethylene glycol premixed with 50% water as needed. Check cooling system for leak.
- ENGINE AIR FILTER - Service only when required. Do not use compressed air to clean elements.
- ENGINE AIR INTAKE SYSTEM - Check for leaks and damaged components.
- BOB-TACH PIVOT, WEDGES, CYLINDER AND LINK PIN JOINTS - Lubricate with multi-purpose lithium based grease.

**EVERY 50 HOURS :**

- AXLE STEERING PIVOT POINTS - Lubricate with multi-purpose lithium based grease.
- REAR AXLE PIVOT - Lubricate with multi-purpose lithium based grease.
- BOOM AND CYLINDER PIVOT - Lubricate with multi-purpose lithium based grease.
- HYDRAULIC HOSES, TUBELINES AND CONNECTIONS - Check condition of hoses, tubelines and connections. Repairs or replace as needed.
- UNIVERSAL JOINTS AND SLIP YOKE ON DRIVE SHAFT - Lubricate with multi-purpose lithium based grease.
- CAB FILTER - Clean as necessary.

**EVERY 100 HOURS :**

- BATTERY - Check electrolyte level. Add distilled water as needed.
- WHEEL NUTS - Check wheel nut torque. Tighten as needed to 265 ft. lbs. (360 Nm) †

**EVERY 250 HOURS :**

- ALTERNATOR AND AIR CONDITIONER BELT - Check belt tension and adjust as needed.
- DOOR HINGES - Lubricate door hinges with multi-purpose lithium based grease.
- AXLE FLUIDS - Check all fluid levels. †

**EVERY 500 HOURS (OR EVERY 6 MONTHS):**

- FUEL FILTER - Replace the fuel filter element. Use the genuine Bobcat Filter. ●
- ENGINE AIR FILTER - Replace the engine air filter primary element. Use the genuine Bobcat Filter. ●
- HYDRAULIC / HYDROSTATIC OIL FILTERS - Replace the hydraulic/hydrostatic oil filter element. Use the genuine Bobcat Filter. ●
- ENGINE OIL AND FILTER - Replace the engine oil and filter. Use the genuine Bobcat Filter. ●
- CAB FILTER - Replace
- FRONT AND REAR AXLE FLUID - Replace the axle fluid. †
- GEAR BOX FLUID - Replace gear box fluid. †
- WHEEL GEAR FLUID - Replace the wheel gear fluid. †

**EVERY 1000 HOURS : (OR EVERY 12 MONTHS):**

- HYDRAULIC FLUID - Replace the hydraulic fluid.
- ENGINE COOLANT - Flush cooling system and replace coolant with 50% ethylene glycol premixed with 50% water. Check freeze protection of antifreeze -34°F (-30°C).
- TELESCOPIC BOOM WEAR BLOCKS - Check for wear and adjust as needed. Replace as needed.
- BREATHERS - Clean gear box, axle housing, and hydraulic tank breathers. Replace as needed.

† Check wheel nut torque every 8 hours for the first 24 hours  
 ● Perform service first time at 50 hours, then as indicated.  
 † Perform fluid level check time at 100 hours, then as indicated.  
 † Replace fluid first at 100 hours, then as indicated in chart.

### SERVICE PARTS CHART

Ref No.	Symbol	Description	Part Number	Service Date/Hours
1.		Primary Air Filter	7286552	
2.		Secondary Air Filter	7010031	
3.		Engine Oil		■
4.		Engine Oil Filter	7343102	
5.		Hydrostatic Oil		■
6.		Hydraulic Oil Filter	7225338	
7.		Coolant		■
8.		Fuel Filter	7336334	
9.		Diesel Fuel		■
10.		Gear And Axle Fluid		■

◆ Do not use compressed air to clean elements  
 ■ See Operation & Maintenance Manual For More Information

**BE PARTS & SERVICE SMART**

Use Genuine Bobcat Replacement Parts

## ⚠ WARNING

### INSUFFICIENT INSTRUCTIONS HAZARD




Untrained operators or failure to follow instructions can cause serious injury or death.

- Read and understand the Operation & Maintenance Manual, Operator's Handbook and 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. ◀





### Service Schedule






Explanation of the service intervals:

- **10:** Every 10 hours or daily (before starting the machine).
- **50:** Every 50 hours.
- **100:** Every 100 hours.
- **250:** Every 250 hours.
- **500:** Every 500 hours or every 12 months, whichever comes first.
- **1000:** Every 1000 hours or every 12 months, whichever comes first.
- **2000:** Every 2000 hours or every 24 months, whichever comes first.
- **3000:** Every 3000 hours or every 36 months, whichever comes first.








Service Schedule									
O	Check condition / proper operation. Adjust or replace as needed.	V	Refill as needed						
D	Check the display. Service only when required.	C	Clean						
W	Drain water	R	Replace						
F	First time only.	G	Grease						
Item	Service Required	Service Interval (hours)							
		10	50	100	250	500	1000	2000	3000
Tires 	Condition and pressure. Use only approved tires. (See Tire Maintenance on Page 140)	O							
Engine Oil 	(See Engine Lubrication System on Page 115) <ul style="list-style-type: none"> <li>• Engine Oil: <ul style="list-style-type: none"> <li>▷ 7023080 - SAE 15W-40 – qt</li> <li>▷ 7023081 - SAE 15W-40 – U.S. gal</li> <li>▷ 7023082 - SAE 15W-40 – 2.5 U.S. gal</li> <li>▷ 7023076 - SAE 10W-30 – qt</li> <li>▷ 7023077 - SAE 10W-30 – U.S. gal</li> <li>▷ 7023078 - SAE 10W-30 – 2.5 U.S. gal</li> <li>▷ 6989147 - Synthetic SAE 5W-40 – qt</li> <li>▷ 6989148 - Synthetic SAE 5W-40 – U.S. gal</li> </ul> </li> </ul>	V				R			
Engine Oil Filter 	(See Engine Lubrication System on Page 115) <ul style="list-style-type: none"> <li>• Engine Oil Filter (7343102)</li> </ul>					R			






**Service Schedule**

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		<b>Service Interval (hours)</b>								
Item	Service Required	10	50	100	250	500	1000	2000	3000	
Exhaust system	Check exhaust system and exhaust aftertreatment components for leaks.	CO								
Cooling System 	Oil, charge air coolers and air conditioning condenser (if equipped). Keep cooling system free from debris. (See Cooling System on Page 118) Clean debris from radiator, air cooler, hydraulic fluid cooler, air conditioning condenser (if equipped), and grid.	VC-O					R			
	Coolant (See Cooling System on Page 118) <ul style="list-style-type: none"> <li>• Anti-Freeze, Ethylene Glycol:               <ul style="list-style-type: none"> <li>▷ 6988096 - Premixed</li> <li>▷ 6988097 - Concentrate</li> </ul> </li> </ul>						R			
	Check coolant concentration (with a refractometer). Replace as needed.						V			
	 Coolant level (check cold). (See Cooling System on Page 118) <ul style="list-style-type: none"> <li>• Anti-Freeze, Ethylene Glycol:               <ul style="list-style-type: none"> <li>▷ 6988096 - Premixed</li> <li>▷ 6988097 - Concentrate</li> </ul> </li> </ul>	V								
Heater Coil and Air Conditioning Evaporator 	Contact your Bobcat dealer.						C			
Grease Fittings 	Tilt cylinder rod end. (See Lubricating the Machine on Page 142)	G								
	Articulation pins, axle oscillation (front / rear), boom pivot, boom cylinder, self leveling (compensation) cylinder. (See Lubricating the Machine on Page 142)		G							

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Item	Service Required	Service Interval (hours)							
		10	50	100	250	500	1000	2000	3000
Telescopic Boom Wear Pads 	(See Lubricating the Machine on Page 142)		G				O		
Bob-Tach attachment mounting system Pivot Pins and Wedges	(See Bob-Tach (Hand Lever) on Page 145)	G							
Engine Air System and Air Filters 	Service when <b>[AIR FILTER PLUGGED]</b> is shown on display screen. Check for leaks and damaged components. (See Air Cleaner Service on Page 109) Empty dust extractor. (See Cleaning The Dust Extractor on Page 110)	DO					O		
	Replace the outer filter element. (See Replacing The Outer Filter on Page 109) • Outer Air Filter (7286652)							R	
	Replace the inner filter element. (See Replacing The Inner Filter on Page 109) • Inner Air Filter (7010031)								R
Fuel Filter 	(See Fuel Filter on Page 113) • Fuel Filter (7336334)	DW					DR		
	(See Fuel System on Page 110)  • Fuel Pre-Filter (7348032) • Fuel Tank Breather (7373582)							R	
Back-up Alarm and Horn 	Check for proper function. (See Multi-function Lever on Page 33) and (See Back-up Alarm System on Page 49)	O							

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		<b>Service Interval (hours)</b>							
<b>Item</b>	<b>Service Required</b>	<b>10</b>	<b>50</b>	<b>100</b>	<b>250</b>	<b>500</b>	<b>1000</b>	<b>2000</b>	<b>3000</b>
Seat Belt 	Check condition. Clean or replace seat belt retractors as needed. Clean dirt and debris from moving parts. (See Seat Belt on Page 104)	OC							
Hydraulic / Hydrostatic Fluid and Filter 	(See Removing And Replacing The Return / Suction Hydraulic Fluid Filter on Page 131) • Main Hydraulic Filter (7225338)			FR		R			
	(See Hydraulic / Hydrostatic System on Page 129) • Fluid, Hydraulic / Hydrostatic: ▷ 6903117 - (Two -2.5 Gal. containers) ▷ 6903118 - (5 Gal.) ▷ 6903119 - (55 Gal.)	V					R		
	(See Removing And Installing The Fill / Breather Cap on Page 132) • Hydraulic Fill / Breather Cap (6727475)						R		
Hydraulic Hoses and Tubelines 	Contact your Bobcat dealer to replace any damaged hoses or tubelines.		O						
Parking Brake / Service Brake  	Check For Proper Function. (See Parking Brake on Page 48) and (See Service Brake Pedal And Inching Control on Page 42)	O							
Safety Signs, Treads And Mirrors  	Check for damaged signs (decals), safety treads and mirrors. Replace any signs, safety treads or mirrors that are damaged or worn.	O							

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Item	Service Required	Service Interval (hours)							
		10	50	100	250	500	1000	2000	3000
Articulated Steering Links	Rubber protection. Contact your Bobcat dealer if damaged.		O						
Wheel Nut Torque 	(See Wheel Nuts on Page 140)	FO		O					
Alternator 	Belt. (See Alternator Belt on Page 137) .				O				R
Air-Conditioning (if equipped)	Belt. (See Air Conditioning Belt on Page 139)					O			R
Axle Central Housing and Differential 	(See Axles (Front and Rear) on Page 133) • Axle Oil (6987805)			FR	V		R [A]		
Planetary Carriers / Reduction Box	(See Axles (Front and Rear) on Page 133) • Axle Oil (6987794)								
Cab Air Filter 	(See Heating, Ventilation and Air Conditioning System (HVAC) on Page 107) • Fresh Air Filter (7228497)						OC		
Battery 	Cables and electrical connections. (See Battery Maintenance on Page 126) • Battery (7288629 )						O		