

## 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.

### ⚠ 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
Tyres 	Condition and pressure. Use only approved tyres. (See Tyre Maintenance on Page 182)	O							
Engine Oil 	(See Engine Lubrication System on Page 158) • Engine Oil 10W30 (6987818) • Engine Oil 15W40 (6987819)	V					R		
Engine Oil Filter 	(See Engine Lubrication System on Page 158) • Engine Oil Filter (7343102)						R		
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 160) 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 160) • Engine Coolant (6987803)							R	
	Check coolant concentration (with a refractometer). Replace as needed.						V		
	Coolant level (check cold). (See Cooling System on Page 160) • Engine Coolant (6987803)	V							
Heater Coil and Air Conditioning Evaporator 	Contact your Bobcat dealer.							C	

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
Grease Fittings 	Tilt cylinder rod end. (See Lubricating the Machine on Page 184)	G							
	Articulation pins, axle oscillation (rear), boom pivot, boom cylinder, self leveling (compensation) cylinder, frame leveling pivots, frame-leveling cylinder, stabiliser cylinders, chain pulley pivots (front / rear). (See Lubricating the Machine on Page 184)		G						
Telescopic Boom Wear Pads 	(See Lubricating the Machine on Page 184)		G				O		
Attachment Carrier Pins	(See Lubricating the Machine on Page 184)	G							
Chains	Check and apply chain lubricant as needed. Check chain tension and wear. Adjust or replace as necessary. (See Chain Checking And Adjusting on Page 189)				GO				
LLMC System	Test the LLMC calibration. (See LLMC Calibration Test on Page 146)			FO	O				
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 151) Empty dust extractor. (See Cleaning The Dust Extractor on Page 152) <ul style="list-style-type: none"> <li>• Outer Air Filter (7286652)</li> <li>• Inner Air Filter (7010031)</li> </ul>	DO					O		
	Replace the outer filter element. (See Replacing The Outer Filter on Page 151) <ul style="list-style-type: none"> <li>• Outer Air Filter (7286652)</li> </ul>							R	
	Replace the inner filter element. (See Replacing The Inner Filter on Page 152) <ul style="list-style-type: none"> <li>• Inner Air Filter (7010031)</li> </ul>								R

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
Fuel Filter  	(See Fuel Filter on Page 156) • Main Fuel Filter (7336334)	DW				DR			
	(See Fuel System on Page 154) • Fuel Pre-Filter (7348032) • Fuel Tank Breather (7373582)						R		
Back-up Alarm and Horn 	Check for proper function. (See Multi-function Lever on Page 41) and (See Back-up Alarm System on Page 65)	O							
Seat Belt 	Check condition. Clean or replace seat belt retractors as needed. Clean dirt and debris from moving parts. (See Seat Belt on Page 145)	OC							
Hydraulic / Hydrostatic Fluid and Filter   	(See Removing And Replacing Hydraulic / Hydrostatic Filter on Page 173) • Hydraulic Filter (7012477)			FR		R			
	(See Hydraulic / Hydrostatic System on Page 171) • Hydraulic Fluid (6987791B)	V					R		
	(See Removing And Installing The Fill / Breather Cap on Page 174) • 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 64) and (See Service Brake Pedal And Inching Control on Page 50)	O							

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	
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. (See Machine Signs (Decals) on Page 26)	O								
Articulated Steering Links	Rubber protection. Contact your Bobcat dealer if damaged.		O							
Wheel Nut Torque 	(See Wheel Nuts on Page 182)	FO		O						
Front Axle Mounting Bolts Torque 	(See Front Axle Mounting Bolts on Page 190)					O				
Alternator 	Belt. (See Alternator Belt on Page 179) .				O					R
Air-Conditioning (if equipped)	Belt. (See Air Conditioning Belt on Page 180)					O				R
Axle Central Housing and Differential 	(See Axles (Front and Rear) on Page 175) • Axle Oil (6987805)				FR	V		R [A]		
Planetary Carriers / Reduction Box 	(See Axles (Front and Rear) on Page 175) • Axle Oil (6987794)									
Cab Air Filter 	(See Heating, Ventilation and Air Conditioning System (HVAC) on Page 150) • Cab Air Filter(7228497)						O			
Battery 	Cables and electrical connections. (See Battery Maintenance on Page 168) • Battery (7288629)						O			

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
Engine Mounts							○		
Fastenings, Hose Unions and Clips							○		

[A]

Half fluid change intervals must be applied in at least one of these use cases:

- more than 1000H/12 months
- cooperatives of multiple owners
- recycling application
- biogas application
- forestry application

### Inspection Checkbook

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 Telescopic Handler.

The Inspection Checkbook contains the following information:

- Doosan Bobcat EMEA s.r.o. Warranty Policy
- Doosan Bobcat EMEA s.r.o. Extended Warranty Policy

The Inspection Checkbook has to be filled in by the Dealer for any maintenance and service work of your Bobcat machine. This book may be required anytime by an authorised dealer or by Bobcat Europe, should a breakdown occur on the Bobcat equipment. Your local dealer can order the Inspection Checkbook.

Part number: 7296478

### SEAT BELT

#### Inspection And Maintenance



**GENERAL HAZARD**  
**Failure to properly inspect and maintain the seat belt can cause lack of operator restraint resulting in serious injury or death.**

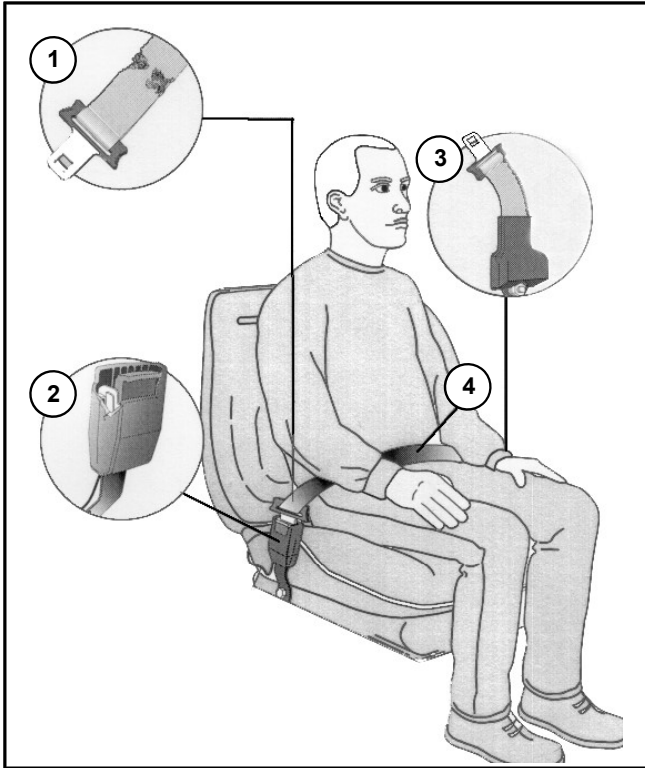
Check the seat belt daily for correct function.

Inspect the seat belt system thoroughly at least once each year or more often if the machine is exposed to severe environmental conditions or applications.

Any seat belt system that shows cuts, fraying, extreme or unusual wear, significant discolourations due to ultraviolet UV exposure, dusty / dirty conditions, abrasion to the seat belt webbing, or damage to the buckle, latch plate, retractor (if equipped), hardware or any other obvious problem should be replaced immediately.

The items below are referenced in (See LLMC Calibration Test on Page 146) .

Figure 245



b-22283a

1. Check the webbing. If the system is equipped with a retractor, pull the webbing completely out and inspect the full length of the webbing. Look for cuts, wear, fraying, dirt and stiffness.
2. Check the buckle and latch for correct operation. Make sure latch plate is not excessively worn, deformed or buckle is not damaged or casing broken.
3. Check the retractor web storage device (if equipped) by extending webbing to determine if it looks correct and that it spools out and retracts webbing correctly.
4. Check webbing in areas exposed to ultraviolet (UV) rays from the sun or extreme dust or dirt. If the original colour of the webbing in these areas is extremely faded and / or the webbing is packed with dirt, the webbing strength can have deteriorated.

See your Bobcat dealer for seat belt system replacement parts for your machine.

## LLMC CALIBRATION TEST

### LLMC Calibration Test Procedure

#### **⚠ WARNING**

#### **INSTABILITY HAZARD**

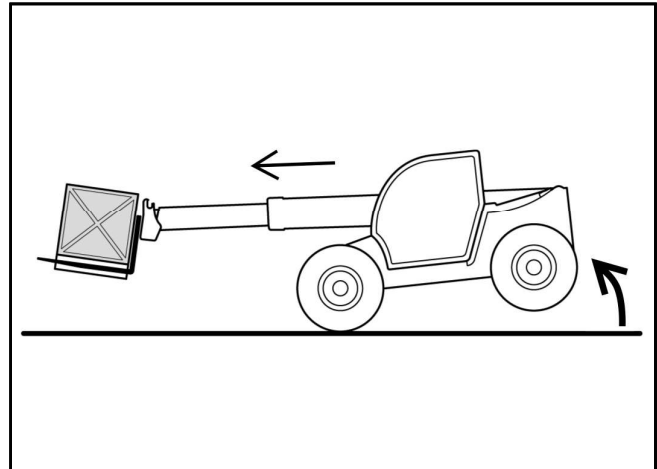
**Tipping can cause serious injury or death. Keep the boom low, only raise the load 500 mm (20 in) when testing or calibrating the LLMI / LLMC system. †**

W-2929

The Longitudinal Load Moment Control (LLMC) system calibration can be tested by performing the following procedure:

1. Pick up a load and park the machine on flat level ground and align the front and rear wheels straight ahead.

Figure 246



S39203

2. Using the LLMC override switch, decrease the rear axle load pressure by extending the boom until the machine's rear wheels lift off the ground slightly [Figure 246].

Do not move or reposition the machine after decreasing the rear axle load pressure.

3. Retract the boom and place the load on the ground.