

Product type



Models

S510, S530
S550, T590

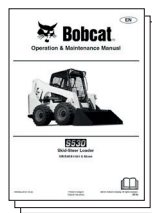
Version

06-2021
Rev. 1.0

SAFETY FIRST!

IMPORTANT

- This document **DOES NOT** replace the Operation & Maintenance Manual.
- You must read **ALL** safety and other instructions from the Operation & Maintenance Manual before operating, transporting or servicing this machine.



MAIN MACHINE SPECIFICATIONS

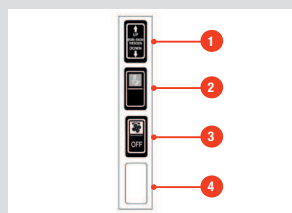
	UNIT	S510	S530	S550	T590
Operating weight (with bucket, operator and full fuel tank)	kg	2816	2952	2995	3664
Shipping weight	kg	2431	2581	2612	3283
Engine power (ISO 14396)	kW @ rpm	41.0 @ 2600	41.0 @ 2600	50.7 @ 2600	50.8 @ 2600
Tipping load (ISO 14397-1)	kg	1703	1823	1852	2773
Rated operating capacity (ISO 14397-1)	kg	851	911	926	971
Pump capacity (std/high)	l/min	64.7/101.1	64.7/101.1	64.7/101.1	64.7/101.1
Travel speed (low/high)	km/h	11.8/17.3	11.8/17.3	11.8/17.3	10.4/16.0
Lift breakout force	daN	1978	1662	1978	2269
Tilt breakout force	daN	2080	2122	2080	2179
Length with standard bucket	mm	3378	3378	3378	3378
Width over standard bucket	mm	1727	1727	1727	1727
Height with operator cab	mm	1972	1972	1972	1972
Height to bucket hinge pin	mm	2908	3023	2908	3023
Wheelbase/ground contact length	mm	1082	1082	1082	1402

CONTROL ELEMENTS

¹ if equipped

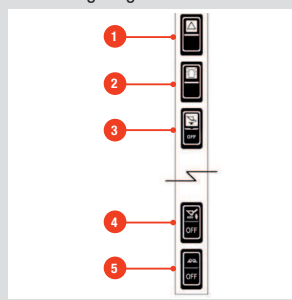
RIGHT SWITCH PANEL

- 1 Power Bob-Tach¹
- 2 Travel lock
- 3 Reversing fan¹
- 4 Automatic ride control¹



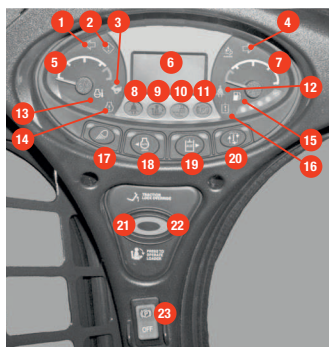
LEFT SWITCH PANEL

- 1 Four-way flasher lights¹
- 2 Rotating beacon¹ or strobe light¹
- 3 Hydraulic bucket positioning¹
- 4 Automatic ride control¹
- 5 Side lighting¹



ENGINE SPEED CONTROL

Turn the knob clockwise to increase engine speed. Turn the knob anti-clockwise to decrease engine speed.



LEFT INSTRUMENT PANEL

- 1 Left turn signal¹
- 2 General warning
- 3 Two-speed¹
- 4 Right turn signal¹
- 5 Engine temperature gauge
- 6 Display screen
- 7 Fuel gauge
- 8 Seat belt
- 9 Seat bar
- 10 Lift and tilt valve
- 11 Parking brake
- 12 Shoulder belt¹
- 13 Engine coolant temperature
- 14 Check engine
- 15 Fuel
- 16 Hydraulic system malfunction
- 17 Lights
- 18 Auto idle¹
- 19 Auxiliary hydraulics
- 20 Information
- 21 Traction lock override
- 22 Press to operate loader
- 23 Parking brake



RIGHT INSTRUMENT PANEL

- 1 Keypad (keys 1 through 0)
- 2 Display screen
- 3 Scroll buttons
- 4 ENTER button
- 5 Key switch
- 6 Selectable joystick controls (SJC) Control pattern switch¹

ENGINE START/STOP

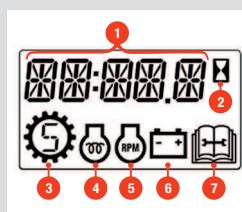
Engine start/stop with key or rotary start switch¹ on the right console. For details how to start/stop the engine, please refer to the Operation & Maintenance Manual.



- 1 Key / rotary start switch¹
- Engine stop
- Engine run / preheat
- Engine start

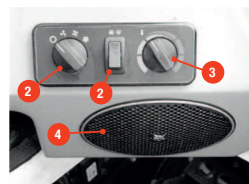
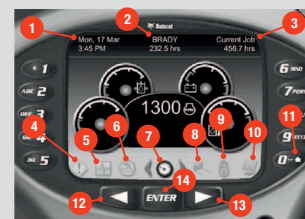
STANDARD DISPLAY

- 1 Data display
- 2 Hourmeter
- 3 Speed management
- 4 Engine preheat
- 5 Engine RPM
- 6 Battery / charging voltage
- 7 Service



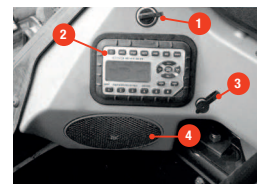
DELUXE INSTRUMENTATION PANEL

- 1 Date / time
- 2 User / hourmeter
- 3 Current job hours
- 4 Active warnings screen icon
- 5 Vitals screen icon
- 6 Service screen icon
- 7 Main screen icon
- 8 Attachments screen icon
- 9 Machine settings screen icon
- 10 Display screen icon
- 11 Home icon (return to main screen)
- 12 Left scroll button
- 13 Right scroll button
- 14 ENTER button



LEFT SIDE LOWER PANEL

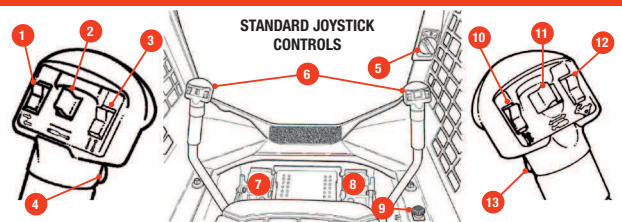
- 1 Fan motor¹
- 2 Air conditioning / defrost switch¹
- 3 Temperature control¹
- 4 Speaker¹



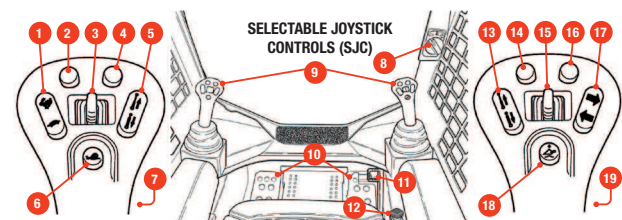
RIGHT SIDE LOWER PANEL

- 1 Power port
- 2 Radio¹
- 3 Headphone jack¹
- 4 Speaker¹

JOYSTICK CONTROLS



- | | | |
|---|---------------------------|---|
| 1 Turn signals ¹ | 4 Front horn | 10 Attachment function control |
| 2 Rear auxiliary hydraulics ¹
also: attachment function control | 5 Engine speed control | 11 Front auxiliary hydraulics |
| 3 Attachment function control | 6 Steering levers | 12 Two-speed control ¹ |
| | 7 Lift arm pedal | 13 Continuous flow control for auxiliary hydraulics |
| | 8 Tilt pedal | |
| | 9 Lift arm bypass control | |



- | | | |
|---|--------------------------------|---|
| 1 Two-speed control ¹
also: speed management | 7 Front horn | 14 Not used |
| 2 Steering drift compensation
also: drive response | 8 Engine speed control (hand) | 15 Front auxiliary hydraulics |
| 3 Rear auxiliary hydraulics ¹
also: attachment function control | 9 Joysticks | 16 Not used |
| 4 Steering drift compensation
also: drive response | 10 Footrests | 17 Turn signals (option) |
| 5 Attachment function control | 11 Engine speed control (foot) | 18 Float control |
| 6 Speed management | 12 Lift arm bypass control | 19 Continuous flow control for auxiliary hydraulics |
| | 13 Attachment function control | |

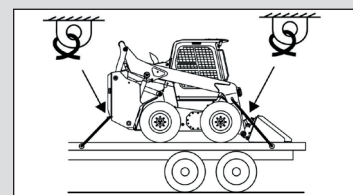
KEY SAFETY INSTRUCTIONS

GENERAL SAFETY INSTRUCTIONS

- ▶ **Check Operation & Maintenance Manual for full safety instructions**
Make sure no bystanders are in the work area. Never carry riders.
- ▶ **Ensure daily inspection and maintenance**
See below for more information.
- ▶ **Do not exceed rated lift capacity**
Always check lift capacity chart in Operation & Maintenance Manual. Excessive load can cause tipping or loss of control. Avoid tipping.
- ▶ **Seat belt and seat bar restraint**
Always fasten seat belt snugly, use the seat bar and keep feet on foot pedals or footrests.
- ▶ **Never use attachments or buckets which are not approved by Bobcat Company**
Before any use, ensure that the attachment is properly locked.

TRANSPORT/TIE-DOWN

- ▶ Use transport and towing vehicle of adequate length and capacity.
- ▶ Secure parking brakes and block wheels of transport vehicle.
- ▶ Use and align metal loading ramps with slip resistant surface.
- ▶ Drive backward onto the transport vehicle.
- ▶ Fasten holddown chains to tie down points.
- ▶ Tighten chains with chain binders.



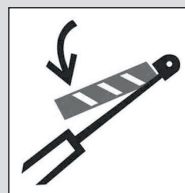
SEAT BAR RESTRAINT SYSTEM

- ▶ When the seat bar ① is raised, hydraulic and traction system functions are locked and will not operate.



LIFT ARM SUPPORT

- ▶ Never go under or reach under lift arms or lift cylinder without an approved lift arm support installed.



DAILY INSPECTION AND MAINTENANCE

¹ if equipped


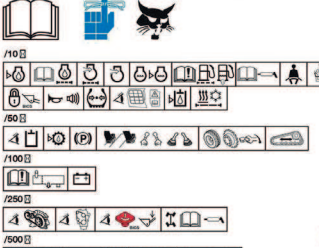
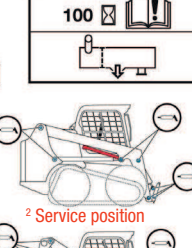
AROUND MACHINE

- ▶ Check canopy/cab condition and mounting hardware
- ▶ Check safety signs (decals)
- ▶ Check attachment, quick coupler, tires or tracks
- ▶ Grease all pivot points

IN CANOPY/CAB

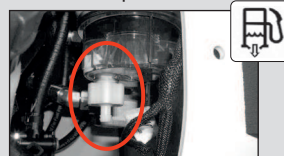
- ▶ Check seat belt, retractors, safety bar
- ▶ Check motion alarm, horn and rear-view camera¹
- ▶ Check indicators and lights
- ▶ Check cab filters and HVAC filters

MAINTENANCE SCHEDULE

		
<p>² Service position</p>		

FILTERS

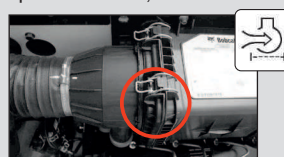
- ▶ **Fuel filter**
Drain water separator



- ▶ **Fuel pre-filter**



- ▶ **Engine air filter**
Open four latches, move cover

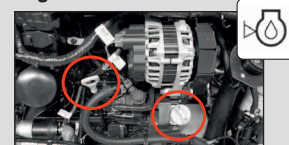


Remove outer and inner filters



FLUID LEVELS

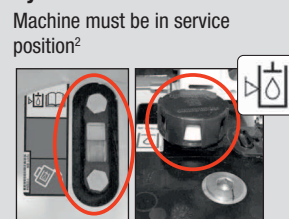
- ▶ **Engine oil**



- ▶ **Engine coolant**



- ▶ **Hydraulic fluid**



- ▶ For more details, please refer to the Operation & Maintenance Manual.

