

### Product type



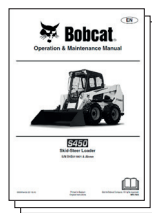
Models  
S450, T450

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	S450	T450
Operating weight (with bucket, operator and full fuel tank)	kg	2436	2961
Shipping weight	kg	2221	2665
Engine power (ISO 14396)	kW @ rpm	36.5 @ 2600	41.0 @ 2600
Tipping load (ISO 14397-1)	kg	1308	2049
Rated operating capacity (ISO 14397-1)	kg	654	717
Pump capacity (std/high)	l/min	63,2/-	63,0/-
Travel speed (low/high)	km/h	11.4/14.8	10.0/14.4
Lift breakout force	daN	1416	1426
Tilt breakout force	daN	1807	1781
Length with standard bucket	mm	3172	3216
Width over standard bucket	mm	1575	1422
Height with operator cab	mm	1976	1976
Height to bucket hinge pin	mm	2781	2781
Wheelbase/ground contact length	mm	900	1275

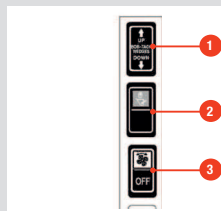


## CONTROL ELEMENTS

<sup>1</sup> if equipped

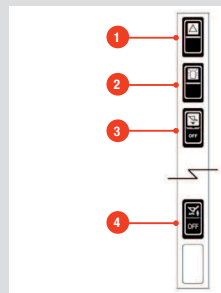
### RIGHT SWITCH PANEL

- 1 Power Bob-Tach<sup>1</sup>
- 2 Travel lock (for T450)
- 3 Reversing fan<sup>1</sup>



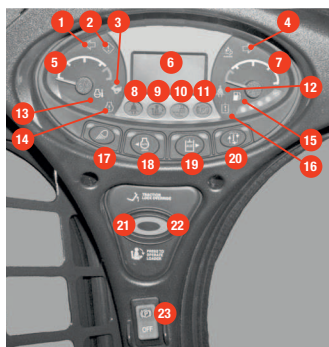
### LEFT SWITCH PANEL

- 1 Four-way flasher lights<sup>1</sup>
- 2 Rotating beacon<sup>1</sup> or strobe light<sup>1</sup>
- 3 Hydraulic bucket positioning<sup>1</sup>
- 4 Automatic ride control<sup>1</sup>



### ENGINE SPEED CONTROL

Move the lever up to increase engine speed.  
Move down to decrease engine speed.



### LEFT INSTRUMENT PANEL

- 1 Left turn signal<sup>1</sup>
- 2 General warning
- 3 Two-speed<sup>1</sup>
- 4 Right turn signal<sup>1</sup>
- 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 belt<sup>1</sup>
- 13 Engine coolant temperature
- 14 Check engine
- 15 Fuel
- 16 Hydraulic system malfunction
- 17 Lights
- 18 Auto idle<sup>1</sup>
- 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 switch<sup>1</sup>

### ENGINE START/STOP

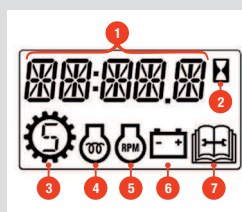
Engine start/stop with key or rotary start switch<sup>1</sup> on the right console. For details how to start/stop the engine, please refer to the Operation & Maintenance Manual.



- 1 Key / rotary start switch<sup>1</sup>
- Engine stop
- Engine run / preheat
- Engine start

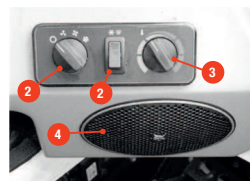
### STANDARD DISPLAY

- 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

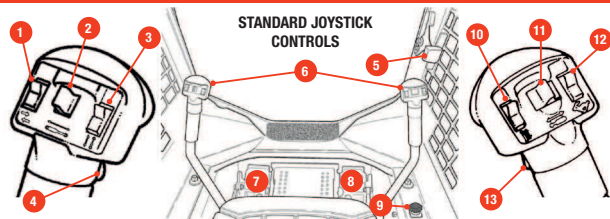
- 1 Fan motor<sup>1</sup>
- 2 Air conditioning/defrost switch<sup>1</sup>
- 3 Temperature control<sup>1</sup>
- 4 Speaker<sup>1</sup>



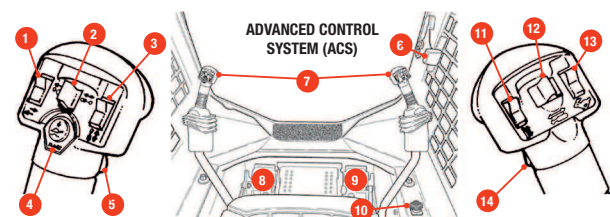
### RIGHT SIDE LOWER PANEL

- 1 Power port
- 2 Radio<sup>1</sup>
- 3 Headphone jack<sup>1</sup>
- 4 Speaker<sup>1</sup>

### JOYSTICK CONTROLS



- 1 Turn signals<sup>1</sup>
- 2 Rear auxiliary hydraulics<sup>1</sup>  
also: attachment function control
- 3 Attachment function control
- 4 Front horn<sup>1</sup>
- 5 Engine speed control
- 6 Steering levers
- 7 Lift arm pedal
- 8 Tilt pedal
- 9 Lift arm bypass control
- 10 Attachment function control
- 11 Front auxiliary hydraulics<sup>1</sup>
- 12 Not used
- 13 Continuous flow control for auxiliary hydraulics<sup>1</sup>



- 1 Turn signals<sup>1</sup>
- 2 Rear auxiliary hydraulics<sup>1</sup>  
also: attachment function control
- 3 Attachment function control
- 4 Float control
- 5 Front horn<sup>1</sup>
- 6 Engine speed control
- 7 Steering levers and lift / tilt handles
- 8 Lift arm pedal
- 9 Tilt pedal
- 10 Lift arm bypass control
- 11 Attachment function control
- 12 Front auxiliary hydraulics<sup>1</sup>
- 13 Not used
- 14 Continuous flow control for auxiliary hydraulics<sup>1</sup>

### 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.

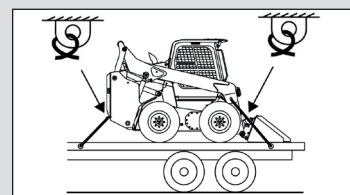
#### SEAT BAR RESTRAINT SYSTEM

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



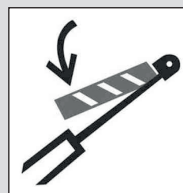
#### TRANSPORT/TIE-DOWN

- ▶ 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.



#### 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

<sup>1</sup> 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 camera<sup>1</sup>

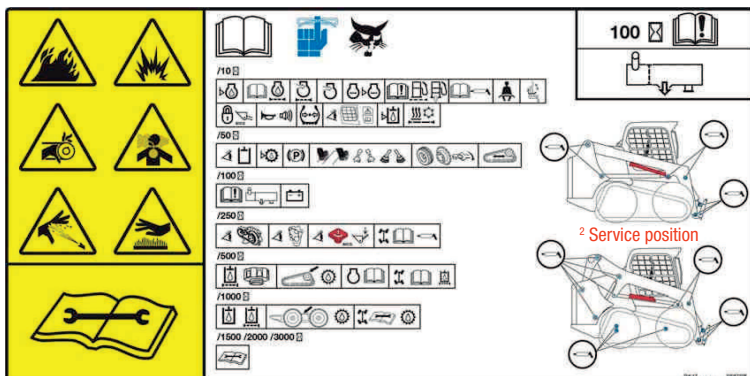


- ▶ Check indicators and lights



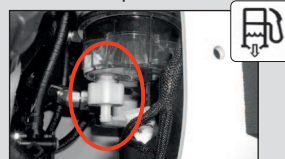
- ▶ Check cab filters and HVAC filters

#### MAINTENANCE SCHEDULE



#### FILTERS

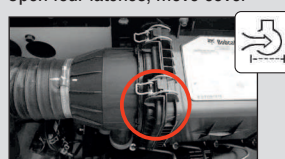
- ▶ **Fuel filter**  
Drain water separator



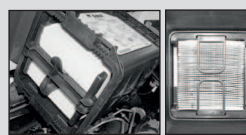
- ▶ **Fuel pre-filter**



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

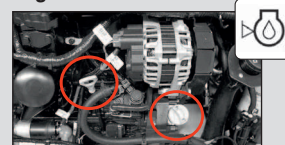


Remove outer and inner filters



#### FLUID LEVELS

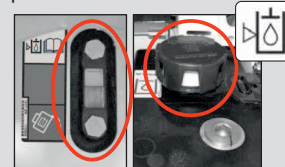
- ▶ **Engine oil**



- ▶ **Engine coolant**



- ▶ **Hydraulic fluid**  
Machine must be in service position<sup>2</sup>



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

