





Operation & Maintenance Manual



Telescopic Handler

(TL30.70DA) S/N B4B111001 & Above (TL30.70HA) S/N B3ZK11001 & Above (TL30.70DB) S/N B4B211001 & Above (TL30.70HB) S/N B4B311001 & Above



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REFERENCE INFORMATION Write the correct information for YOUR Bobcat telescopic handler in the spaces below. Always use these numbers when referring to your Bobcat telescopic handler.
Telescopic Handler Serial Number Engine Serial Number
NOTES:
YOUR BOBCAT DEALER:
ADDRESS:
PHONE:

CE

Bobcat Company P.O. Box 128 Gwinner, ND 58040-0128 UNITED STATES OF AMERICA Doosan Bobcat EMEA s.r.o. U Kodetky 1810 26312 Dobris Czech Republic

OPERATOR CONTROLS IDENTIFICATION (CONT'D)

Display Screen (Cont'd)

Figure 30

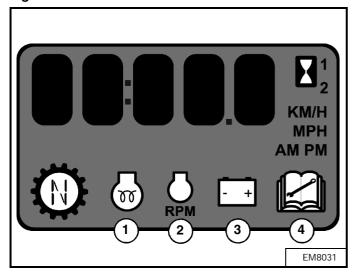
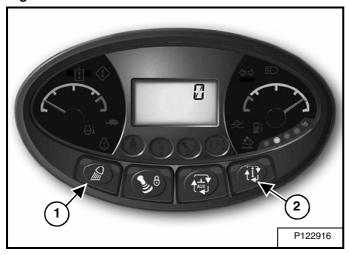


Figure 31



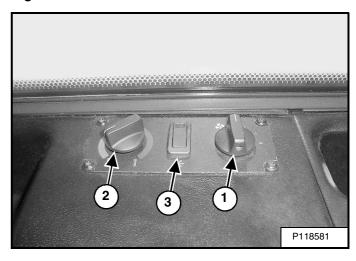
The following information can be displayed on the display screen [Figure 30]:

- Engine Preheat 'WAIT' is displayed automatically during the preheating of the engine (See STARTING THE ENGINE on Page 97.) When this menu is activated, the engine preheat icon (Item 1) [Figure 30] will light.
- Steering Mode Change Management Shows the active steering mode change management. (See Steering Mode Management on Page 61.) When this menu is activated, the rpm icon (Item 2) [Figure 30] will light.

- Battery / Charging Voltage Shows the battery voltage. To activate this menu, press the work lights button (Item 1) [Figure 31] for three seconds while in the engine hours menu. When the battery voltage menu is activated, the battery voltage icon (Item 3) [Figure 30] will light. Press the information button (Item 2) [Figure 31] once to return to the engine hour menu. In combination with general warning icon (see Item 2 "Display Panel" on Page 52) it shows a battery voltage error.
- Hydraulic Oil Temperature Shows hydraulic oil temperature. To activate this menu, press the work lights button (Item 1) for three seconds while in the boom angle menu. Press the information button (Item 2) [Figure 31] once to return to the boom angle menu.
- Service Codes Shows the active Service Codes. (See Viewing Service Codes on Page 217.) When this menu is activated, the Service icon (Item 4) [Figure 30] will light.

Temperature Control Panel

Figure 32



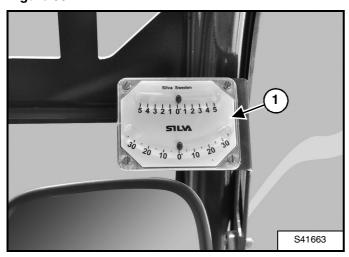
Right Rear Console [Figure 32]

- 1. **Fan Switch** Turn switch clockwise to increase fan speed. "O" Off, "I" Low, "II" Medium, "III" Fast
- 2. **Temperature Control** Turn clockwise to increase cab temperature; anticlockwise to decrease.
- Air Conditioning Switch (If Equipped) Press the top of the switch to turn the Air Conditioning ON -Press the bottom of the switch to turn the Air Conditioning OFF.

OPERATOR CONTROLS IDENTIFICATION (CONT'D)

Sight Level Gauge

Figure 33

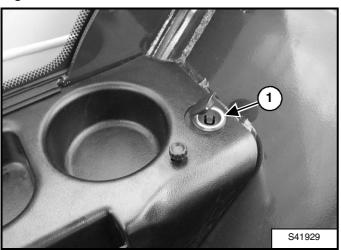


The sight level gauge (Item 1) [Figure 33] indicates position of the frame to the horizontal plane.

When carrying out load handling work, carefully monitor this sight level gauge and take the necessary measures.

Auxiliary Power Outlet

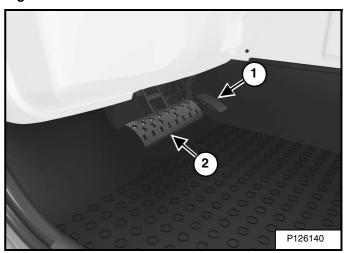
Figure 34



The Auxiliary Power Outlet (Item 1) [Figure 34] is a 12 volt receptacle for accessories.

Accelerator Pedal

Figure 35



The accelerator pedal (Item 1) [Figure 35] is at the right side of the steering console.

Press the accelerator pedal down to increase engine speed. Release foot pressure to decrease engine speed.

Brake Pedal And Inching Control

The brake pedal (Item 2) [Figure 35] is at the left of the accelerator pedal.

Press the brake a small amount to decrease travel speed and control inching (gradual travel of the machine). Press down to stop travel of the machine.

NOTE: Approximately the first half of the total brake pedal travel is for INCHING CONTROL.

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OPERATOR CAB

Description

The Bobcat telescopic handler has an operator cab (ROPS / FOPS) as standard equipment to protect the operator. The seat belt must be worn for ROPS / FOPS protection.

Check the ROPS / FOPS cab, mounting, and hardware for damage. Never modify the ROPS / FOPS cab. Replace the cab and hardware if damaged. See your Bobcat dealer for parts.

ROPS / FOPS - Roll-over Protective Structure per ISO 3471, Falling-Object Protective Structure per ISO 3449 (FOPS Level II) and OECD code 4, code 9 and code 10.

Operator cab category 1 per EN 15695-1:2009.

The operator cab does not provide protection against hazardous substances. Do not use this machine under conditions requiring protection against hazardous substances.

WARNING

Never modify operator cab by welding, grinding, drilling holes or adding attachments unless instructed to do so by Bobcat Company. Do not operate without right window. Changes to the cab can cause loss of operator protection from rollover and falling objects, and result in serious injury or death.

W-2906-0211

Cab Door

Figure 36

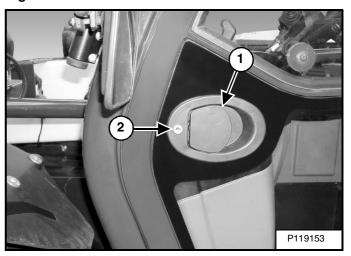
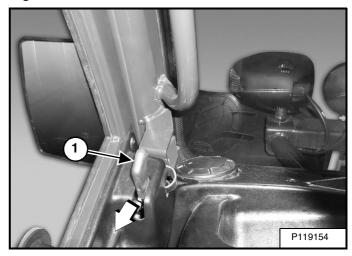


Figure 37



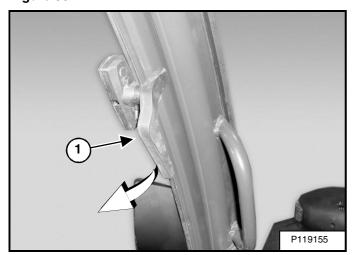
The cab door can be opened from the outside of the cab using the latch (Item 1) [Figure 36] and opened from the inside of the cab when you pull the lever (Item 1) [Figure 37] back (as shown).

The cab door can be locked (Item 2) [Figure 36] with the same key as the starter switch.

OPERATOR CAB (CONT'D)

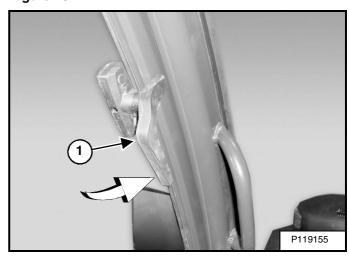
Cab Door Window

Figure 38



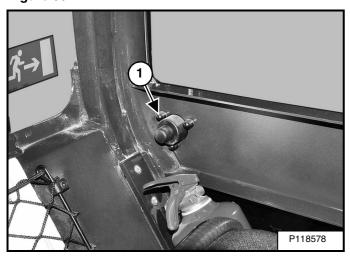
Turn the handle (Item 1) [Figure 38] (as shown) to unlock the window. Push the window fully open until it latches against the cab.

Figure 40



Turn the handle (Item 1) [Figure 40] back into the original position (as shown) to lock the window.

Figure 39

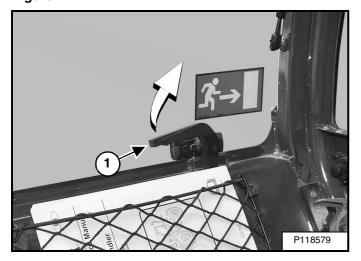


Push the knob (Item 1) [Figure 39] inside the cab to disengage the latch and close the window.

OPERATOR CAB (CONT'D)

Rear Cab Window

Figure 41

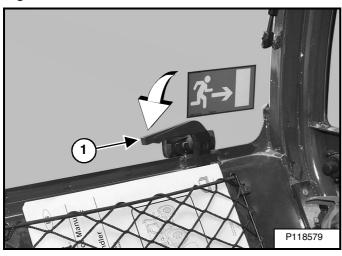


Turn the handle (Item 1) [Figure 41] (as shown) to unlock the rear window.

Push the rear window open until in fully open position.

Pull the window down to close it.

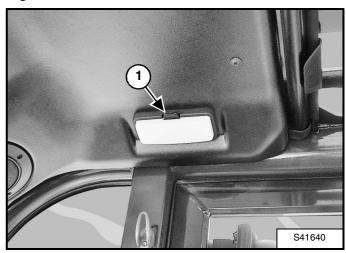
Figure 42



Turn the handle (Item 1) [Figure 42] back into the original position (as shown) to lock the window.

Cab Light

Figure 43



The cab light **[Figure 43]** is located above the operator's left shoulder.

Move the switch (Item 1) [Figure 43] to the left or the right to turn the light ON. Move the switch to the centre position to turn the light OFF.

STEERING MODE SELECTION

Aligning Modes

To switch between the different steering modes (See DRIVING AND STEERING THE TELESCOPIC HANDLER on Page 73.) the operator has a choice between two aligning modes:

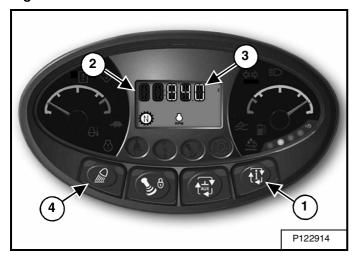
- In manual aligning mode, the operator has to make sure the front and rear wheels are straightened before selecting the desired steering mode.
- In semi-automatic aligning mode (if equipped), the operator first has to choose the desired steering mode and will then receive instructions on which wheels need to be aligned. Once the wheel alignment instruction(s) (indicated by the flashing of the Front or Rear Wheel Straight indicator light) are followed, the chosen steering mode will be automatically activated.

NOTE: It is recommended to perform the semiautomatic alignment procedure on a daily basis.

STEERING MODE SELECTION (CONT'D)

Steering Mode Management

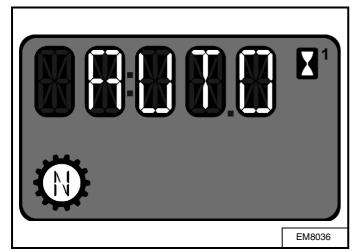
Figure 44



Press the information button (Item 1) to cycle the display screen (Item 2) until the engine speed menu (Item 3) [Figure 44] is displayed. (See Display Screen on Page 54.)

Press the work lights button (Item 4) **[Figure 44]** for 3 seconds until the aligning mode appears on the display screen.

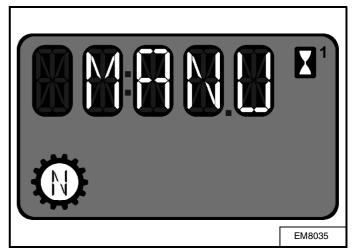
Figure 45



The semi-automatic aligning mode is the default setting. **[AUTO]** [Figure 45] appears on the display screen.

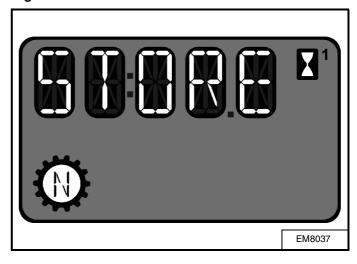
NOTE: For machines not equipped with the semiautomatic aligning mode, the manual aligning mode [Figure 46] will be the default setting.

Figure 46



Press the work lights button (Item 4) [Figure 44] once to switch to the manual aligning mode. [MANU] [Figure 46] will appear on the display screen. Pressing the work lights button again will switch back the aligning mode to semi-automatic.

Figure 47



Press the work lights button (Item 4) [Figure 44] for 3 seconds until [STORE] [Figure 47] appears on the display screen. The selected aligning mode has been saved now and will become active.

Press the information button (Item 1) [Figure 44] once to return to the engine hour menu.

STEERING MODE SELECTION (CONT'D)

Semi-Automatic Aligning Mode Procedure

Figure 48

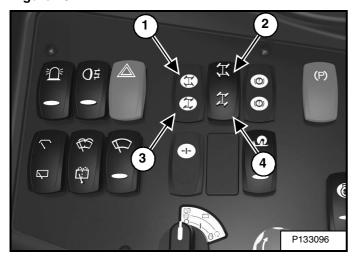
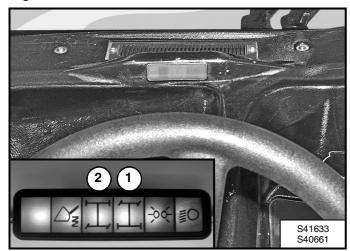


Figure 49



4-Wheel Steering (Top Switch Position)

The front wheels will turn the direction that the steering wheel is turned. The rear wheels turn the opposite direction. Indicator light (Item 1) [Figure 48] will be ON. Use in most working conditions. (See 4-Wheel Steering Mode on Page 73.)

Perform the following procedure to activate the 4-wheel steering mode:

Press top of the switch (Item 2) [Figure 48]. If the front and rear wheels are straight ahead, the 4-wheel steering mode will be activated.

If the front and / or rear wheels are not straight ahead, the semi-automatic aligning procedure will start:

- If the rear wheels are not straight ahead, the Rear Wheels Straight indicator light (Item 1) [Figure 49] will flash. Turn the steering wheel until the light stays ON. The rear wheels are straight ahead now.
- 2. If the front wheels are straight ahead, the 4-wheel steering mode is active now.
- If the front wheels are not straight ahead, the Front Wheels Straight indicator light (Item 2) [Figure 49] will flash. Turn the steering wheel until the light stays ON. The front wheels are straight ahead now.
- 4. The 4-wheel steering mode is active now.

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