



Bobcat®

Operation & Maintenance Manual



Telescopic Handler

(T40.180SLPB) S/N B33W16001 & 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:

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

DRIVING AND STEERING THE TELESCOPIC HANDLER

4-Wheel Steering Mode

WARNING

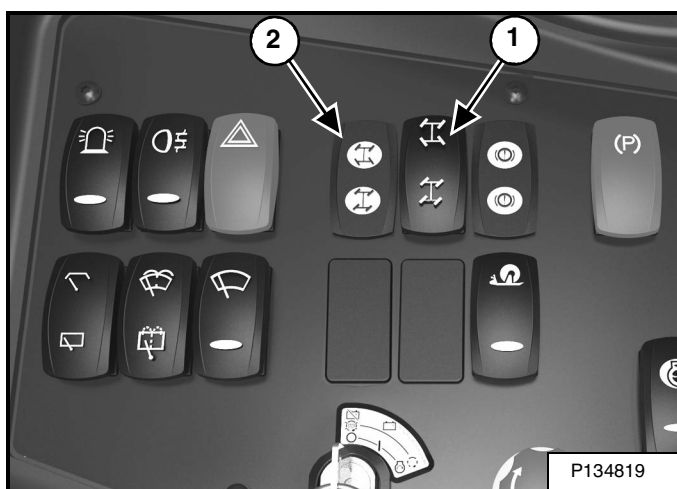
AVOID INJURY OR DEATH

When operating the machine, operate only from the operator's seat with the seat belt securely fastened.

W-2811-EN-0614

4-wheel steer allows the machine to turn in a smaller circle. In 4-wheel steer, the rear wheels follow the same path as the front wheels.

Figure 50



NOTE: Make sure all four wheels are straight ahead before changing steering mode. See Steering Mode Selection for wheel alignment procedure if front or rear wheels are not aligned. (See STEERING MODE SELECTION on Page 56.)

Press the top of the switch (Item 1) [Figure 50] to enable 4-wheel steering.

The 4-wheel steering icon (Item 2) [Figure 50] will be illuminated.

WARNING

ACCIDENTAL TELESCOPIC HANDLER MOVEMENT CAN CAUSE INJURY OR DEATH

- The direction the Telescopic Handler turns when moving backward is different in each steering mode.
- Know and understand the selected steering mode before operating.

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DRIVING AND STEERING THE TELESCOPIC HANDLER (CONT'D)

4-Wheel Steering Mode (Cont'd)

Figure 51

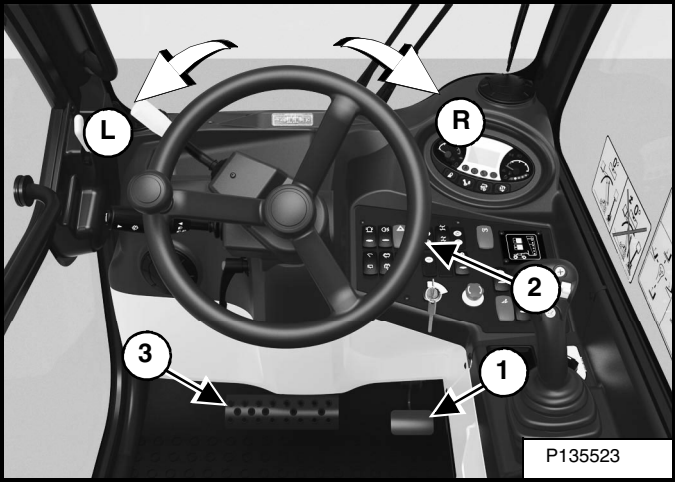
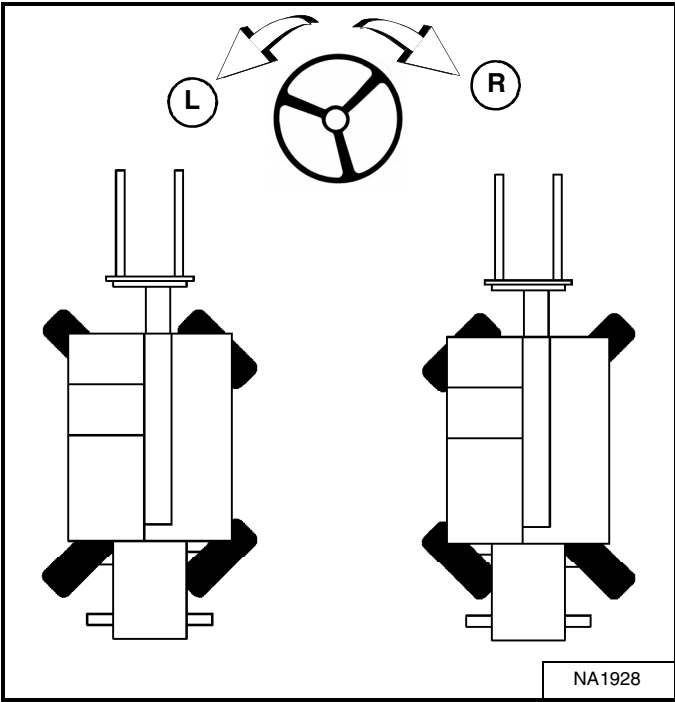


Figure 52



Move the steering wheel smoothly. Avoid sudden starting and stopping.

Forward Travel - Prepare the telescopic handler for forward travel. (See Travel Direction on Page 42.)

Left Turn Forward / Right Turn Forward - Slowly press the Accelerator Pedal (Item 1) and turn the steering wheel (Item 2) [Figure 51] to the right or left. Look in the direction of travel.

Reverse Travel - Prepare the telescopic handler for reverse travel. (See Travel Direction on Page 42.)

Left Turn Backward / Right Turn Backward - Slowly press the Accelerator Pedal (Item 1) and turn the steering wheel (Item 2) [Figure 51] to the right or left. Look in the direction of travel.

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

Press the brake pedal (Item 3) [Figure 51] a small amount to decrease travel speed and control inching (gradual travel of the machine). (See Brake Pedal And Inching Control on Page 52.)

Stopping The Telescopic Handler (4-Wheel Steering Mode)

When the accelerator pedal is released, the hydrostatic transmission will slow the machine to a stop. To decrease stopping distance, press down the brake pedal (Item 3) [Figure 51]. The further the brake pedal is pressed, the faster the machine will slow to a stop.

Dealer Conv. -- Not for Resale

DRIVING AND STEERING THE TELESCOPIC HANDLER (CONT'D)

2-Wheel Steering Mode

WARNING

AVOID INJURY OR DEATH

When operating the machine, operate only from the operator's seat with the seat belt securely fastened.

W-2811-EN-0614

Only the front wheels turn when in 2-wheel steering mode. Use 2-wheel steering when operating on public roads.

Figure 53



NOTE: Make sure all four wheels are straight ahead before changing steering mode. See Steering Mode Selection for wheel alignment procedure if front or rear wheels are not aligned. (See STEERING MODE SELECTION on Page 56.)

Press the switch (Item 1) [Figure 53] to the centre position to enable 2-wheel steering.

The icons (Item 2) [Figure 53] will NOT be illuminated when in 2-wheel steering mode.

WARNING

ACCIDENTAL TELESCOPIC HANDLER MOVEMENT CAN CAUSE INJURY OR DEATH

- The direction the Telescopic Handler turns when moving backward is different in each steering mode.
- Know and understand the selected steering mode before operating.

W-2812-EN-1109

DRIVING AND STEERING THE TELESCOPIC HANDLER (CONT'D)

2-Wheel Steering Mode (Cont'd)

Figure 54

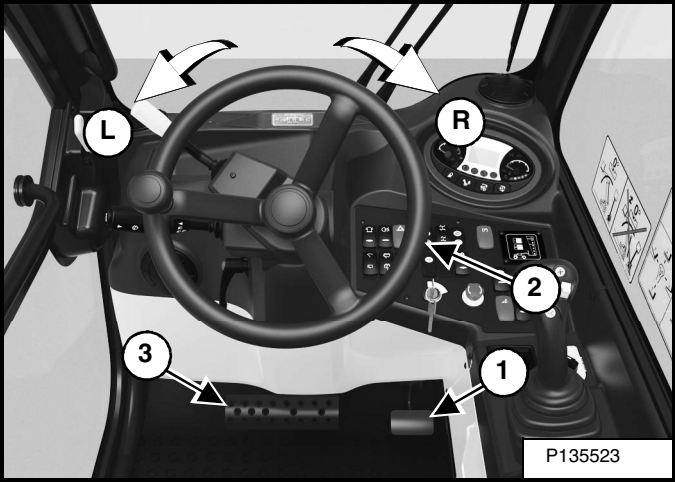
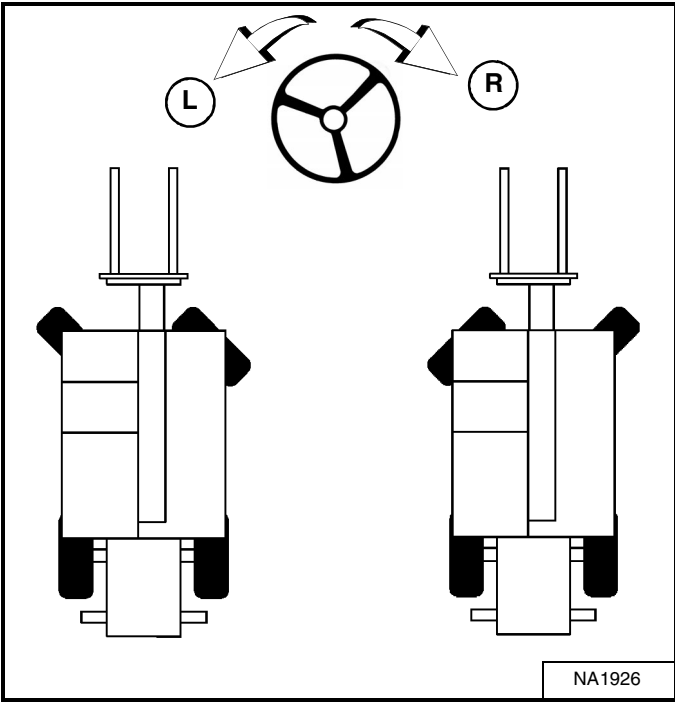


Figure 55



Move the steering wheel smoothly. Avoid sudden starting and stopping.

Forward Travel - Prepare the telescopic handler for forward travel. (See Travel Direction on Page 42.)

Left Turn Forward / Right Turn Forward - Slowly press the Accelerator Pedal (Item 1) and turn the steering wheel (Item 2) [Figure 54] to the right or left. Look in the direction of travel.

Reverse Travel - Prepare the telescopic handler for reverse travel. (See Travel Direction on Page 42.)

Left Turn Backward / Right Turn Backward - Slowly press the Accelerator Pedal (Item 1) and turn the steering wheel (Item 2) [Figure 54] to the right or left. Look in the direction of travel.

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

Press the brake pedal (Item 3) [Figure 54] a small amount to decrease travel speed and control inching (gradual travel of the machine). (See Brake Pedal And Inching Control on Page 52.)

Stopping The Telescopic Handler (2-Wheel Steering Mode)

When the accelerator pedal is released, the hydrostatic transmission will slow the machine to a stop. To decrease stopping distance, press down the brake pedal (Item 3) [Figure 54]. The further the brake pedal is pressed, the faster the machine will slow to a stop.

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Crab Steering Mode

! WARNING

AVOID INJURY OR DEATH

When operating the machine, operate only from the operator's seat with the seat belt securely fastened.

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Crab steering mode allows both the front and rear wheels to turn the same direction that the steering wheel is turned. The machine moves diagonally in the direction the steering wheel is turned. Use in confined areas to move away from buildings or to reposition the machine.

Figure 56



NOTE: Make sure all four wheels are straight ahead before changing steering mode. See Steering Mode Selection for wheel alignment procedure if front or rear wheels are not aligned. (See STEERING MODE SELECTION on Page 56.)

Press the bottom of the switch (Item 1) [Figure 56] to enable crab steering.

The crab steering icon (Item 2) [Figure 56] will be illuminated.

! WARNING

ACCIDENTAL TELESCOPIC HANDLER MOVEMENT CAN CAUSE INJURY OR DEATH

- The direction the Telescopic Handler turns when moving backward is different in each steering mode.
- Know and understand the selected steering mode before operating.

W-2812-EN-1109

DRIVING AND STEERING THE TELESCOPIC HANDLER (CONT'D)

Crab Steering Mode (Cont'd)

Figure 57

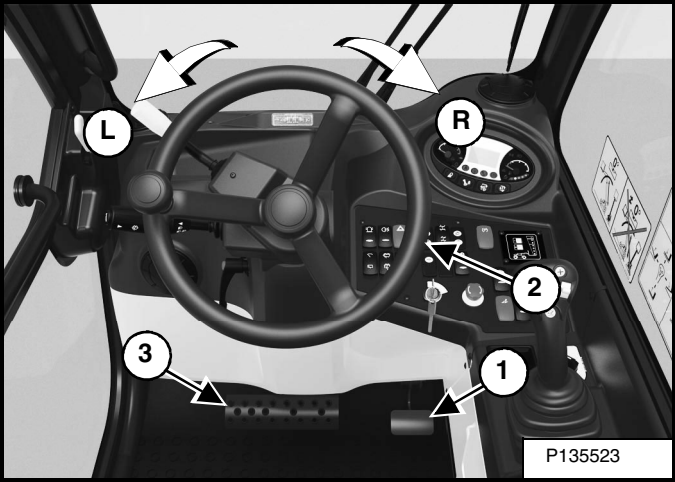
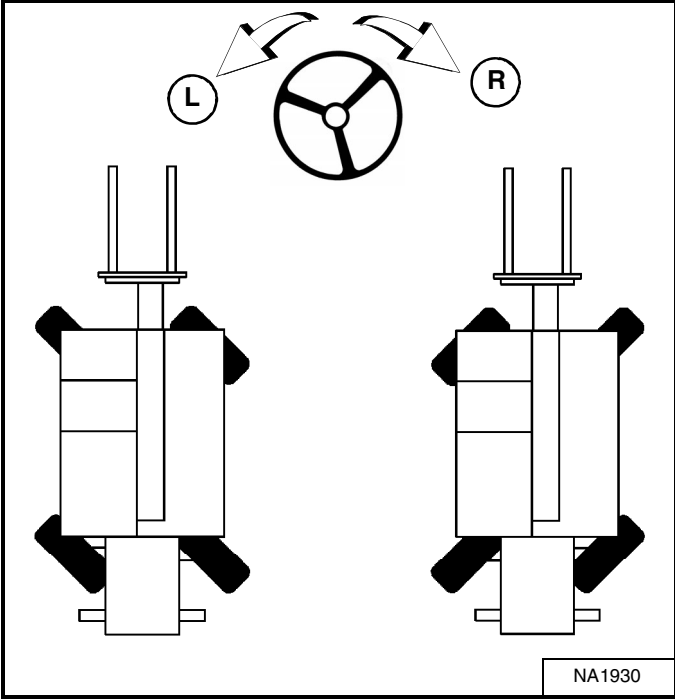


Figure 58



Move the steering wheel smoothly. Avoid sudden starting and stopping.

Forward Travel - Prepare the telescopic handler for forward travel. (See Travel Direction on Page 42.)

Left Turn Forward / Right Turn Forward - Slowly press the Accelerator Pedal (Item 1) and turn the steering wheel (Item 2) [Figure 57] to the right or left. Look in the direction of travel.

Reverse Travel - Prepare the telescopic handler for reverse travel. (See Travel Direction on Page 42.)

Left Turn Backward / Right Turn Backward - Slowly press the Accelerator Pedal (Item 1) and turn the steering wheel (Item 2) [Figure 57] to the right or left. Look in the direction of travel.

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

Press the brake pedal (Item 3) [Figure 57] a small amount to decrease travel speed and control inching (gradual travel of the machine). (See Brake Pedal And Inching Control on Page 52.)

Stopping The Telescopic Handler (Crab Steering Mode)

When the accelerator pedal is released, the hydrostatic transmission will slow the machine to a stop. To decrease stopping distance, press down the brake pedal (Item 3) [Figure 57]. The further the brake pedal is pressed, the faster the machine will slow to a stop.

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SPEED MANAGEMENT

Operation

The Speed Management feature allows the telescopic handler to be manoeuvred at a slower travel speed, even during maximum engine rpm.

This feature can be useful for attachments requiring hydraulic flow, not for loading, digging, etc.

Examples:

- Angle Broom: Allows the auxiliary hydraulic flow to the attachment and machine forward travel speed to be independently controlled.

Figure 59



Press the bottom of the switch (Item 1) [Figure 59] on the Right Instrument Panel once to activate Speed Management. The light of the switch will turn ON.

Figure 60



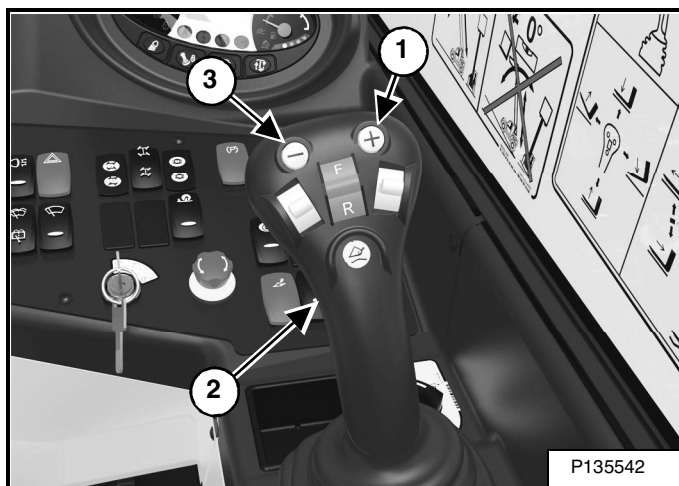
When Speed Management is activated, the machine will travel at the factory default setting of 50% of Standard Travel Speed and the percentage [C 50] will appear on the display screen (Item 1) [Figure 60].

NOTE: The factory default setting can be changed by the operator. (See Changing The Factory Default Setting on Page 71.)

SPEED MANAGEMENT (CONT'D)

Operation (Cont'd)

Figure 61



While Speed Management is activated, press the right button (Item 1) on the joystick (Item 2) to increase the speed up to 100% [C 99] or the left button (Item 3) [Figure 61] to decrease the speed down to 0% [C OFF]. The percentages will appear on the display screen.

Figure 62



Press button (Item 1) [Figure 62] again to deactivate Speed Management. The light of the switch will turn OFF.

The system will retain the speed percentage as long as the telescopic handler remains ON.

EXAMPLE: You can be using the machine at 40% and then deactivate Speed Management to reposition the telescopic handler, then re-activate Speed Management. The speed percentage will still be at 40%.

EXAMPLE: Turning the engine OFF will return the Speed Management setting to default. The next time you start the engine and activate Speed Management, the speed will be at 50% (factory default setting) or the last default setting saved by the operator. (See Changing The Factory Default Setting on Page 71.)