

Left Hand Joystick

On units equipped with joystick steering, the joystick mounted on the left armrest may be used for steering, by pushing the joystick handle left or right. See Figure 2-3-1.

NOTE: Steering wheel overrides joystick steering.

The joystick also includes several buttons and a trigger.

NOTE: This manual describes the joystick controls as they left the factory. All buttons on both joysticks may be repurposed as preferred by the operator. See Service Manual.

1. Set Throttle

This button sets the throttle based solely on the position of the throttle pedal. This will override any throttle setting previously set on the operator's control panel. See Section 2-2 for details of that method of setting the throttle.

When depressed, any previously set throttle setting will be cancelled, and the throttle pedal will be recalibrated to the full range; 750 (idle) to 2205 (high free idle).

When this button is then released, the throttle will be set based on the position of the throttle pedal at the moment the button is released. The throttle pedal is recalibrated; the range will now be between the set point (the new lowest RPM) and high free idle (~2205 RPM).

Pressing and releasing this button with your foot off the throttle pedal is a good way to set the throttle back to idle (this recalibrates the throttle pedal back to the full range) if a higher throttle setting is engaged.



Figure 2-3-1 Left-Hand Joystick

2. Home Screen

This button returns the operator's control panel to the home screen. See Section 2-2 for details of the operator's control panel.

3. Upshift

Press this button to shift the transmission into a higher gear when operating in manual mode.

NOTICE

Always let up on the throttle slightly when shifting speed ranges. This will significantly reduce shock loads to drivetrain components during shift. Also, always reduce engine RPM when downshifting, as you can over-speed the engine.

4. Downshift

Press this button to shift the transmission into a lower gear when operating in manual mode.

NOTE: When the machine is set to automatic shifting, the upshift and downshift buttons will still momentarily shift the transmission as expected, but it may shift quickly back to the previous gear unless manual shifting is also selected (see item 4).

5. Declutch

This button toggles the Declutch function. When Declutch is turned ON and the service brakes are applied, the declutch system automatically shifts the transmission into neutral and the Declutch icon on the operator's control panel illuminates. When the service brake is released, the transmission will reengage, and the Declutch icon will dim.

Declutch allows you to perform all hydraulic functions at any RPM smoothly, without causing converter stall or other unnecessary strains on the brake or drivetrain components.

If downgrades are encountered, this function may be turned OFF, and the transmission will remain in gear when the brakes are applied. This function should be left ON for normal operations.

6. Auto/Manual Transmission

This button toggles the transmission mode between automatic and manual shifting.

When in automatic mode, the operator's control panel will indicate "AUTO" near the gear range indicator. The machine will automatically select the appropriate gear based on current driving conditions.

When in manual mode, the operator determines the current gear selection using the buttons on the joystick (items 3 and 4).

7. Transmission Direction Trigger

The transmission direction is set with the trigger.

- Roll the trigger up to place the transmission in **Reverse**.
- Place the trigger in the center position to place the transmission in **Neutral**.
- Roll the trigger down to place the transmission in **Forward**.