

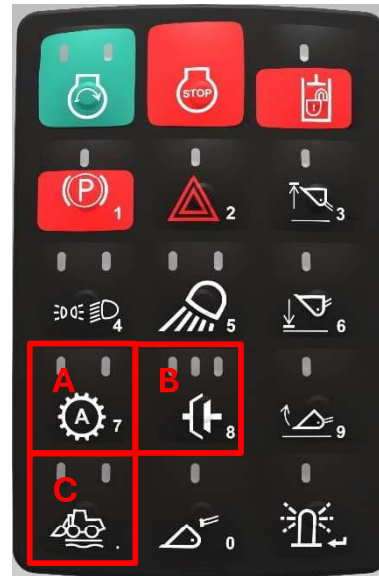


## Key Feature Identification

A: Automatic Transmission Switch

B: Clutch Cut-Off Switch

C: Ride Control Switch (if equipped)



### **A: Automatic Transmission (Standard)**

#### Function State by Number of Lights

- i. No LED Lights - MANUAL mode. Transmission operates in selected gear.
- ii. 1 LED Light - AUTO 1-D mode. Transmission will start in second gear when initially shifted from neutral. After initial shift from neutral, transmission will shift to first gear if a high load is encountered. Transmission will upshift or downshift as ground speed dictates but will only upshift to highest gear selected.
- iii. 2 LED Lights - AUTO 2-D mode. Transmission will start in second gear and will shift to highest gear selected as ground speed increases or will downshift to second gear as ground speed decreases. Transmission will never shift to first gear. In this setting, first gear can only be obtained by actuating the transmission quick shift button.

#### Recommendation

Typically, an operator will have sufficient power for load and carry operations using the AUTO 2-D mode. AUTO 1-D is best utilized when the material pile is very dense, when the loader is climbing a steep ramp, or if the loader is being used to push material like a dozer. Caution should be used in AUTO 1-D as this mode may spin tires, increasing O&O costs. AUTO 2-D mode can reduce the number of transmission shifts which in turn can enhance the life of the components.

**B: Clutch Cut-Off (CCO) (Standard):**

Function State by Number of Lights

- i. No LED Lights – CCO Off
- ii. LEFT LED Light – Level Ground Mode
- iii. MIDDLE LED Light – Slight Slope Mode
- iv. RIGHT LED Light – Steep Slope Mode

**Recommendation**

Set the Clutch Cut-Off based on the slope of the loading area and desired braking disengagement feel of the operator. For instance, when “Level Ground Mode” is enabled, a very light brake pedal application will disengage the transmission and allow the operator to use the accelerator pedal to increase the hydraulic speed of the boom/bucket. For “Steep Slope Mode”, it takes a stronger brake application to disengage the transmission from the hydraulics. When the Clutch Cut-Off feature is set properly for the site, application, and operator, the benefit will be enhanced brake life and reduced fuel consumption.

**C: Ride Control (Optional)**

Function State by Number of Lights

- i. No LED Lights – Ride Control OFF
- ii. 1 LED Light - Ride Control ON (All the time)
- iii. 2 LED Lights – AUTO (active when ground speed is greater than the set point; Default set point is approximately 3.5 mph)

**Recommendation**

Applications that utilize a bucket on the front of the loader will benefit from the AUTO setting (2 LED Lights), as this feature was designed to optimize the point that ride control turns on and off. By having AUTO mode enabled, the operator can expect to get max bucket fill in the pile and minimum material spill during the carry. While this feature improves fuel economy of the loader, it can also improve the life of the ride control components. If the machine is outfitted with forks, an operator may experience a more consistent operation by turning ride control ON (1 LED Light), especially in very low speed, poor underfoot applications.