Key Feature Identification

A: Transmission Response Switch

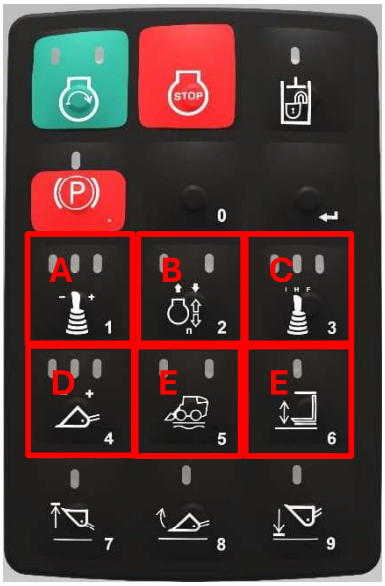
B: Accelerator/Decelerator Mode Switch

C: Pattern Select Switch

D: Hydraulic Response Switch

E: Ride Control Switch

F: Self Leveling Switch



A: Transmission Response (Optional): EH machines only, if equipped with joystick performance package.

Function State by Number of Lights

i. 1 LED Light – Precision Rate Enabled
ii. 2 LED Lights – Utility Rate Enabled
iii. 3 LED Lights – Production Rate Enabled

Recommendation

Transmission Response allows an operator to customize the aggressiveness of joystick controls relative to travel response: Precision (slowest response), Utility (standard response), and Productivity (fastest response). Precision mode provides 80% of hydraulic function acceleration, often used for precise grading, operating in tight/confined areas, and serves as useful tool to teach inexperienced operators. Utility mode is the factory default on the unit, provides the default hydraulic acceleration (normal) relative to joystick throw and is commonly used across most jobs and site conditions. Production mode is available for operators who desire very quick joystick response.

B: Accelerator/Decelerator Mode (Optional):

***This switch allows the engine speed control pedal to increase or decrease engine speed.**

Function State by Number of Lights

i. LEFT LED Lights On – Enables acceleration mode
ii. RIGHT LED Light On – Enables deceleration mode

Recommendation

This function can be set based on operator preference and job specific conditions. Acceleration mode may be utilized when an operator sets the desired engine RPM with the throttle dial and then uses the pedal to increase engine RPM on the fly for increased travel speed or faster hydraulic cycle times. For example, an operator may run the machine at ¾ throttle during fine grading and then press the accelerator pedal to increase engine RPM when traveling between grading areas.

Deceleration mode is useful when an operator wants to use the foot pedal to lower engine RPM for "on the fly," controlled/precise steering or slower hydraulic cycle times. For example, an operator may choose to run their machine at full throttle when shuttling material to a desired location and then apply the deceleration pedal to slow engine RPM for short periods of controlled movement.

C: Pattern Select (Optional): EH machines only, if equipped with joystick performance package.

***This switch allows for quick change of joystick functions between electrohydraulic (EH) hands only (ISO pattern) controls, EH hands only (H pattern) controls, or EH hand controls (4-Way Control).**

Function State by Number of Lights

i. LEFT LED Light On – EH hands only (ISO pattern) controls
ii. MIDDLE LED Light On – EH hands only (H pattern) controls
iii. LEFT & RIGHT LED On – EH hand controls

Recommendation

ISO Pattern is the industry standard (EH) hand control most operators utilize. In this pattern, the left joystick is assigned for propel, front/back, left/right. The right joystick is assigned to boom and bucket controls. H-Pattern assigns both right and left joystick to "H" pattern, commonly known as CASE controls. Left LED & RIGHT LED ON simultaneously is a Deere exclusive 4-way switchable control. This is a dealer installed kit only available on large frame machines. It provides the ability to get foot controls in a large frame SSL or CTL. This feature is especially valuable for those operators who may have lost a limb. The operator can use foot controls to control bucket/boom functions while using the left joystick for propel/steering. All other small and mid-frame machine can select ISO or H-pattern with the appropriate package or kit.

D: Hydraulic Response (Optional) EH machines only, if equipped with joystick performance package.

Function State by Number of Lights

i. 1 LED Light – Precision Rate Enabled
ii. 2 LED Light – Utility Rate Enabled
iii. 3 LED Lights – Production Rate Enabled

Recommendation

Hydraulic Response allows an operator to customize the acceleration of hydraulic functions relative to the amount of joystick throw: Precision (slowest response), Utility (standard response), and Productivity (fastest response). Precision Mode should be used when reduced hydraulic function acceleration is desired relative to joystick throw. The hydraulic functions still attain 100% speed at the end of joystick travel; however, the beginning of the joystick throw yields less response than the back half of joystick travel. Ideally this is used for conditions when an operator wants to achieve the greatest machine precision of hydraulic functions. Utility Mode is the default setting from the factory and will be a balance of control and acceleration at the beginning of the joystick throw. Production Rate is the most aggressive acceleration of the hydraulic functions at the beginning of joystick throw.

E: Ride Control (Optional)

***Turning on self-leveling disables ride control.**

Function State by Number of Lights

i. No LED Light – Ride Control OFF
ii. 1 LED Light – Ride Control Stand-by Mode (RH Joystick trigger turns ON/OFF)
iii. 2 LED Lights – Ride Control ON; Self-Level is OFF

Recommendation

The Ride Control feature must start with 1 LED illuminated to turn ride control on. Ride Control “ON” is activated by using the trigger on the RH Joystick. Each pull of the trigger will toggle ride control between on/off and change the SSM status from one light to two. If the Self-Level (SSM Button F) is enabled this feature will engage as soon as ride control is turned off. This feature interaction is intentional to reduce operator fatigue and enhance focus on the task at hand. Ride control should be off in certain applications, like grading, digging into stockpiles, or loading trucks.

F: Self Leveling (Optional)

***If machine is equipped with boom performance package, the operator can select that the attachment remains level as the boom is moved up.**

Function State by Number of Lights

i. No LED Lights – Self-Leveling Disabled

ii. 1 LED Light – Self-Leveling Enabled

Recommendation

Self-Leveling is used in many applications to keep the bucket/forks level throughout the vertical lift path. Self-level is best used in repetitive lifting applications such as loading trucks or stacking material with forks. Self-Level is also designed to work in tandem with Ride Control, as previously described in the Ride Control Recommendations section.