

LARGE FRAME P-TIER SSL/CTL



Key Feature Identification

A: Accelerator/Decelerator Mode Switch

B: Dozer Mode Switch

C: High Flow On/Off Switch

D: Transmission Response Switch

E: Ride Control Switch

F: Boom and Bucket Rate Switch



A: ACCELERATOR/DECELERATOR MODE (OPTIONAL):

FUNCTION STATE BY NUMBER OF LIGHTS

- i. No LED Lights – Feature turned OFF
- ii. LEFT LED Light – Acceleration Mode ON
- iii. RIGHT LED Light – Deceleration Mode ON

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 $\frac{3}{4}$ 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. An operator may run the unit at full throttle when shuttling material and then apply the deceleration pedal to slow engine RPM to unload.

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B: DOZER MODE (OPTIONAL):

*** This function is only available if machine is attached to the SG96A blade. Right joystick function will change. Press right joystick trigger after pressing SSM button once to activate dozer mode.**

FUNCTION STATE BY NUMBER OF LIGHTS

- i. LED Lights Off – Dozer Mode OFF
- ii. 1 LED Light – Dozer Mode Enabled
- iii. 2 LED Lights – Dozer Mode Enabled and ON

RECOMMENDATION

Once this option is configured correctly in Attachment Manager, Dozer Mode is automatically activated. One LED light illuminates and alters the control pattern of the RH joystick. By pressing the right joystick trigger, two LED lights turn on and Auto is activated. The term “Auto” encompasses slope control and laser functionality, with plans to include 3D capabilities in future updates.

C: HIGH FLOW ON/OFF (OPTIONAL):

*** This button should only be enabled with attachments rated for high flow, always verify flow specifications prior to using this feature.**

FUNCTION STATE BY NUMBER OF LIGHTS

- i. No LED Light – Hi Flow OFF
- ii. 1 LED Light – Hi Flow ON.

RECOMMENDATION

High flow capability is required for any attachment that operates within a flow rate range of 24 to 45 GPM. When an attachment is correctly configured in the Attachment Manager, the high flow function will engage automatically, ensuring optimal performance. If the unit does not have the 8-inch advanced display, this function needs to be toggled manually. Attachments with flow rates less than 24 GPM do not require high flow to be turned on. This option allows an operator to run both low and high flow attachments for better versatility on the jobsite.

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D: TRANSMISSION RESPONSE (STANDARD/OPTIONAL)

* If machine is equipped with joystick performance package, this switch controls the machine responsiveness and steer functions.

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

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 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.

E: RIDE CONTROL (STANDARD/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. Ride control should be turned off in certain applications like grading, digging into stockpiles, or loading trucks. Ride Control should be turned on while driving the unit across a jobsite and load/carry applications.

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F: BOOM AND BUCKET RATE (OPTIONAL)

* If machine is equipped with joystick performance package, this switch controls the responsiveness of boom and bucket functions.

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

Boom and Bucket Rate 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.