



Diversified Metal Fabricators Technical Reference Bulletin TRB0013

Title	Roto 180 Proportional Control Joystick Programming
Document No.	TRB0013 Rev #
Issue Date	05/31/2018 (DJJ)
Release	General
Units Affected	Proportional Roto 180 trucks w/ joystick control (2015+)
Purpose	Modify factory programming to add or remove functionality

Summary:

This procedure may be used after installation by the upfitter to add or remove optional functionality. These settings include a vibrator, operator presence switch and a wireless remote control. Both the vibrator and the wireless control require additional hardware to function properly.

Process:

To reprogram the joystick it first must be fully installed on a truck and functioning properly. The "Roto Enable" and "Remote Enable" buttons are found on the supplied keypad. This is mounted to either the joystick stand or to the dashboard. To install a vibrator or wireless controller reference the Roto 180 Parts and Service Manual.

Enable Vibrator or Operator Presence Switch

1. With the PTO not engaged, press and hold the joystick "Shake" button.
2. Press and hold the "Roto Enable" button.
3. Release the "Shake" button while still holding the "Roto Enable" button.
4. Press the "Shake" button again to toggle through the options below. The LEDs on the "Roto Enable" button will indicate which option has been selected.
 - No LEDs will indicate no options have been enabled.
 - LEDs will turn on solid when the Vibrator is enabled.
 - LEDs will blink slowly when the Operator Presence is enabled.
 - LEDs will blink rapidly when the Vibrator and Operator Presence are both enabled.
5. Release all buttons to save the selection.
6. Operate the Roto 180 to test the setting changes.

Enable Wireless Remote

1. With the PTO not engaged, press and hold the "Remote Enable" button.
2. Press and hold the "Roto Enable" button.
3. Release the "Remote Enable" button while still holding down "Roto Enable".
4. Press and hold the "Remote Enable" button a second time for 3 seconds. If the LEDs turn on solid the feature has been enabled. If the LEDs blink rapidly the feature has been disabled.
5. Release all buttons to save the settings.

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