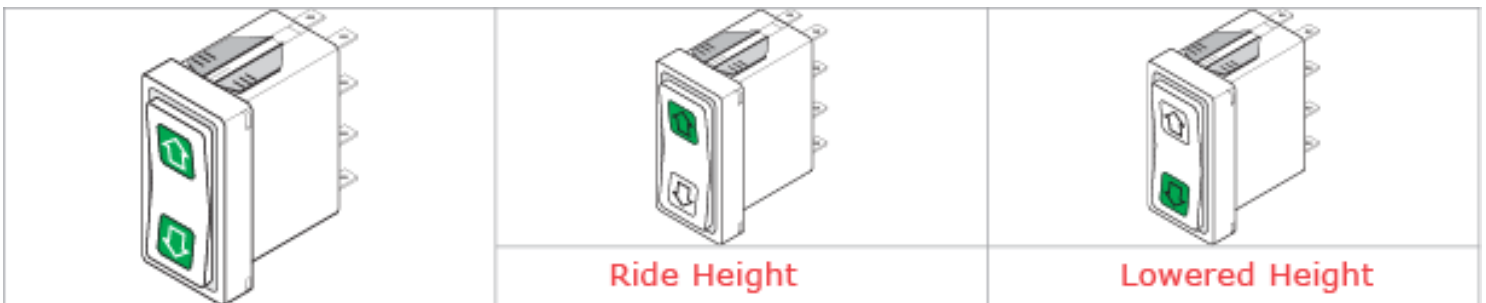


PROGRAMMING THE SYSTEM

For the system to operate properly the vehicle suspension travel will need to be programmed into the ECU. Reconnect the negative terminal on the battery.

The Firestone IntelliRide system offers two different means of programming your system:

- 1) PC calibration and diagnostic tool
- 2) Integrated program button.



PC Diagnostic & Calibration Tool



If a laptop is available, the system can be programmed using the serial connector located on the wiring harness.

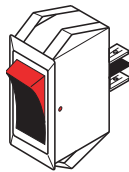
To use this method, first contact Driverite at eng@driveriteltd.com to obtain the relevant software and passwords.

Driverite will also supply all relevant instructions for using the program.

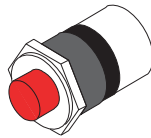
Integrated Program Switch

Step 1: Programming Setup

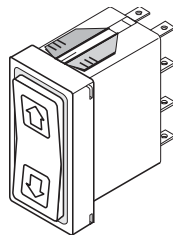
- Chock the front wheels to stop the vehicle from moving during the programming process.
- Leave the handbrake off until you are finished programming the suspension system.
- Turn the IntelliRide system off using the service switch. When the system is off the side of the switch will be red.



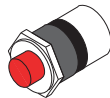
- Locate the push button program switch in the harness.



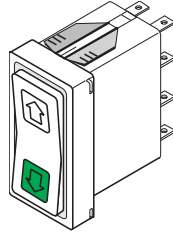
- Turn on the vehicle's ignition and leave it on until the entire programming of the vehicle's heights is completed.
- There should be no lights on the height selection switch at this time.



- Push the program switch three times within six seconds.



- The lower light on the height selection switch should start blinking. This will be indicating that Lowered height needs to be programmed into the ECU.

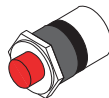


Step 2: Programming the Lowest Vehicle Height

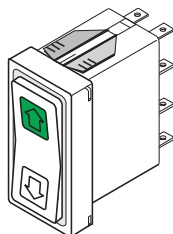
- Set the lowest height of your vehicle's suspension by either using inflation valves at each corner or jack stands.

Note: Lowest height cannot be fully deflated. The lowered position should be a minimum of 5mm from where the jounce bumper stops. This small gap is required to allow for a tolerance as the suspension height is controlled by the ECU. Without this small tolerance, the ECU will not achieve the lowered height if the suspension is stopped before the ECU believes the lowest vehicle height is reached.

- When both rear corners of the vehicle are at the lowered height that you determine, hold the program switch in for eight seconds.

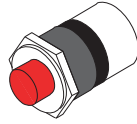


- The top light on the height selection switch should start blinking indicating that the ride height needs to be programmed into the ECU.

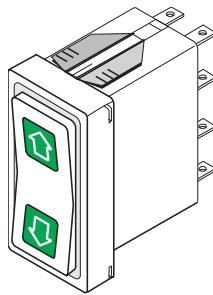


Step 3: Programming the Vehicle Design (Ride) Height

- Set the ride height of your vehicle's suspension by either using inflation valves at each corner or jack stands. When the vehicle is at the ride height that you determine, hold the program switch for eight seconds.
-

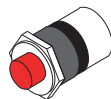


- Both lights on the height selection switch should start blinking back and forth. This will indicate that the calibration height needs to be programmed into the ECU.

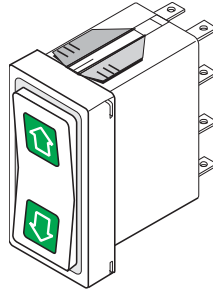


Step 4: Programming Calibration Height

- This calibration step teaches the relative suspension reaction to the IntelliRide system. Specifically this sets the internal tolerance bands and provides a relationship between the voltage that the ECU reads and the suspension height.
- Lower the height of each corner one inch by either using inflation valves at each corner or jack stands.
- When the vehicle is at the calibration height, hold the program switch for eight seconds, and then release.



- Both lights in the height selection switch should be on at the completion of programming.



- Turn off the vehicle's ignition, and switch the service switch off so that it is all black and not showing red. After the proper airlines are installed and the vehicle's ignition is turned back on, the system will put the vehicle at standard ride height.

Additional Note – 3rd Height Function:

INTELLIRIDE offers a very versatile and flexible computer system that allows to regulate the height and lowering of the vehicle.

Typically 2 heights are provided :

- 1) *Ride Height*
- 2) *Access lowered height.*

We can also provide an Intelliride ECU that gives a 3rd height option for extra height typically used for off-road or multiple height settings if required.