



SHOCK TRAVEL SENSORS

*Available Sizing: ½" x 2" / ½" x 3" / ½" x 4" / ½" x 5" / ½" x 6" / ½" x 8" / ½" x 10"
1" x 2" / 1" x 3" / 1" x 6" / 1" x 8" / 1" x 10" / 1" x 12"*

Installation: Installation of the shock travel sensor will vary significantly for each application.

- Start by raising the car up to ensure the suspension is at full droop.
- Mount the top eyelet to the chassis or a fixed location.
- Mount the piston rod end to the rear end housing or lower control arm.
- Make sure the sensor has plenty of travel left in the event your vehicle separates the suspension beyond "full droop".
- Ensure the suspension hits a hard stop before it completely collapses the sensor.
- Carefully cycle the suspension and check for binding.
- Use of nylon bolts recommended as a shear point (Protection of sensor in case of over compression/extension)

***Mounting Hardware is available at www.LowDoller-Motorsports.com**

Wiring: Never run high voltage or "noisy/dirty" wires in parallel (Bundle/loom together) with any EFI sensor wiring. If wires need to cross, try to do so at an angle.

It is recommended to add some type of pluggable connector for quick removal while washing or servicing the suspension.

***3-Pin Connector Kits are available at www.LowDoller-Motorsports.com**

Brown = 5V Power Circuit (From ECU or data logger.)

Blue = 0V Ground (To ECU sensor ground/data logger sensor ground)

Yellow = Signal Wire (Wired to input channel)

Black = Shielded Ground (If you are not using a shield, connect ring terminal to chassis or cut off and heat shrink back.)

Calibration: After installing your shock travel sensor you will need to set up your data acquisition device. Every system is different however, the basic configuration is common. For systems that already have shock sensors preprogrammed in a drop down, select the sensor with the same travel.

To setup your shock travel sensor to show +/- inches of travel calibrate as **0 volts = 0 inches and 5 volts = size of your sensor**. Example for 8" shock travel sensor setup as 0 volts = 0" and 5 volts = 8" (**Note what your static ride height is.**)