

## **SHOCK TRAVEL POSITION SENSOR INSTALLATION.**

### **Measuring your sensor:**

Lift the car up and securely position some jack stands.

Locate or install the mounting points to mount the sensor. Various types and sizes available from us.

Always run the sensor in parallel and as close as possible to the shock.

Let the suspension fully extend to its longest length.

Record this measurement.

Lower the car and rest it on the ground.

Now measure the suspension at full compression.

Use these two measurements to calculate the right sensor for your application.

Please ensure that the sensors are never fully extended or compressed.

### **Installing your sensor:**

Mount the sensor with the body and cable to the top.

Now mount the small rod end to the bottom mounting location.

Cycle the suspension to check for alignment and any binding.

Always use a small amount of Loctite to eliminate the mounting bolts coming loose. The sensors do not need to be tightened up too hard.

We recommend installing travel limiters to control your suspension droop and protecting the sensors from full extension.

### **Wiring your sensor:**

Wire the sensor in the guidelines as set out by the manufacturer of your ECU or datalogger.

Always use the 5V sensor power, ground and signal cable from the ECU or datalogger.

We recommend using a Deutsch DTM 3 pin connector or Molex type for easy removal of the sensor for servicing the vehicle.

Brown: 5vdc supply

Blue: clean sensor ground.

Yellow: 0-5vdc signal

Black: not required.

### **Care for your sensor:**

Always clean the sensor after each meeting.

Check for abnormal wear and tear after each meeting.

Remove sensor when welding and washing the vehicle.

### **Warranty info:**

Online Motorsports products are designed and sold for off-road competition use only. Not to be used on public roads.

Installation to be only done by trained and licenced fabricators and auto electricians.

All products are warranted to be free from defects in material and workmanship for 12 months from the date of original purchase. Warranty claim must be made by original owner with the proof of purchase attached and emailed to [info@onlinemotorsports.com.au](mailto:info@onlinemotorsports.com.au).

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.