

# Technical Bulletin



<b>DP02</b>	<b>TB0002-2006</b>	<b>Elan</b>	<b>Motorsports</b>
<b>From:</b>	Chip Lewis	<b>Technologies</b>	
<b>Subject:</b>	<b>Gear Position Sensor</b>	<b>Date:</b>	<b>Monday, 24 July 2006</b>

## Attention all Elan DP02 2006 teams

Elan Power Products has identified a need for a gear position sensor on the DP02. The installation of a calibrated gear position sensor will allow the driver to recognize which gear he is in at all times. Toward this goal Elan Power Products has manufactured a high quality gear position sensor, which is a direct bolt on unit. All teams running the latest engine map (IMSA Lites Rev. E) will be able to install this sensor and use the stock dash configuration to achieve an accurate gear position reading on their dash.

The sensor is P/N – **DP02-70-013**. The current price is \$225.00 and is available through EMT directly.

## Installation

The sensor bolts to the back of the Hewland FTR gearbox. There is a small plate mounted to the rear of the gearbox when the car is delivered.

1. Remove the two screws holding the plate to the gearbox
2. Remove the plate from the gearbox (It may be stuck on with a small amount of sealant)
3. Place the car in neutral
4. Orient the gear position sensor as follows:
  - a. Wire faces up
  - b. The dot on the rotating portion of the sensor points to the left
  - c. Push the sensor into the gearbox so that the mounting flange of the sensor is flush with the gearbox mounting surface
  - d. Replace the two screws, but do not tighten fully
  - e. Rotate the body of the sensor fully clockwise
  - f. Tighten the two screws to fix the sensor in place
5. Connect the sensor (Electrically) to the car harness
6. Run the car through its gears by hand and verify that the positions are correct
7. If the readings look wrong, remove the sensor and rotate the section with the dot 180° and then re-install

All questions regarding this technical bulletin should be directed to Elan Power Products

***Elan assumes no liability for engine damage resulting from this issue***