

602-244-0991

sales@patrickmotorsports.com

4114 E. Washington St., Phoenix, AZ 85034 USA

ENG 36 CAM ESK PMS - CAM SENSOR INSTRUCTIONS

The Patrick Motorsports cam sensor adapter kit is designed to give aftermarket engine control units (MoTec, AEM, Haltech, ect.) the required signal input of camshaft position for correct operation. These steps will ensure correct operation once installed. This will require drilling and taping the bank 1 camshaft of the engine.

Tools required

4.2mm / .166" drill bit M5x.8 tap Transfer punch set

Installation process is as followed -

With access to the plug at the end of bank 1 cam housing remove the plug with a drift punch from the inside or by drilling a small hole and using a screw with a slide hammer.

Clean the bore with scotch brite. Inspect thoroughly and remove all debris present.

Most aftermarket ECUs have programmable sync locations. Confirm that your ecu does not not require a specific sync location before drilling your camshaft!

Fit the cam sensor housing into the bore without the sensor installed. Using a transfer punch that fits the sensor hole, make a punch mark onto the camshaft. This is the location of the trigger bolt. Remove the housing.

Drill and tap the marked location on the camshaft 18mm deep. Clean all metal debris thoroughly.

The gap between the head of the trigger bolt and sensor face must be measured. Set that gap using the supplied shim washers. Install the trigger bolt with blue loctite.

Install the sensor housing with the sensor so that the connector faces upwards.

Wiring Notes:

Pin 1 - sensor ground
Pin 2 - signal out

Pin 3 - 5V+ supply

Sensor gap

0.030" - 0.040"