



***Installation Instructions for:
EPM P/N 30-3255
Honda B,D & H Series Engines***

WARNING:



This installation is not for the tuning novice nor the PC illiterate! Use this system with **EXTREME** caution! Misuse of this product can destroy your engine! If you are not well versed in engine dynamics and the tuning of management systems or are not PC literate, please do not attempt the installation. Refer the installation to a AEM trained tuning shop or call 800-423-0046 for technical assistance. You should also visit the AEM Tech Forum at <http://www.aempower.com>

NOTE: AEM holds no responsibility for any engine damage that results from the misuse of this product!

This product is legal in California for racing vehicles only and should never be used on public highways.

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The AEM Engine Position Module (EPM) replaces the Honda distributor and allows the use of a coil on plug or wasted spark ignition system and can be used with any aftermarket engine management system that recognizes the common 24 – 1 input for crank and cam signal. The EPM provides precise engine position using dual zero speed optical sensors. This offers the advantage of immediate signal generation when the engine is cranked.

Read and understand these instructions BEFORE attempting to install this product.

1) Removing the Stock Honda Distributor

- a) Remove the distributor from the engine.
- b) Remove the Retaining Clip, Pin, Drive, and Shims as shown in figure 1.

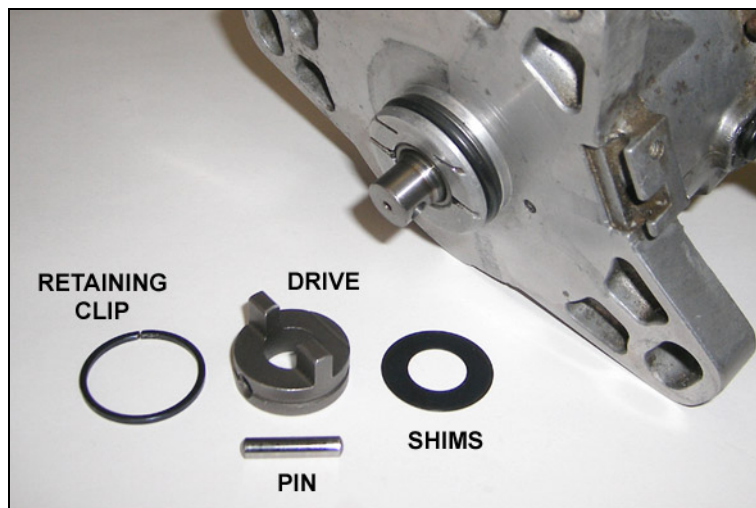


Figure 1.

2) Installing the AEM Engine Position Module.

- a) Apply a generous amount of clean motor oil to the shaft where it enters the bottom of the EPM (see figure 2).

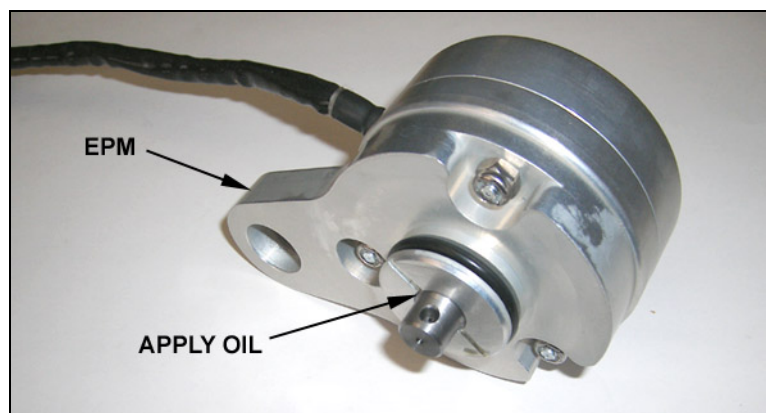


Figure 2.

- b) Re-assemble Shims, Pin, Drive, and Retaining Clip onto the shaft of the EPM.

- c) Install the special slotted Disc into the EPM with the chamfered side in. Disc can be rotated to align with the different mounting holes for the B, D, and H series engines (see figure 3).

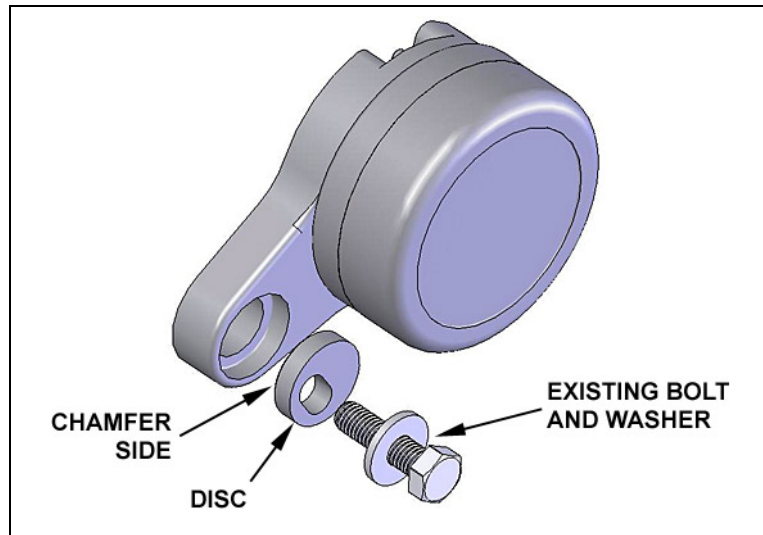


Figure 3.

- d) Lubricate the O-ring with clean motor oil and install the EPM onto the engine. Orientate The EPM as shown in figure 4 and secure with the existing Honda bolt and washer. The other two distributor mounting bolts are not required.

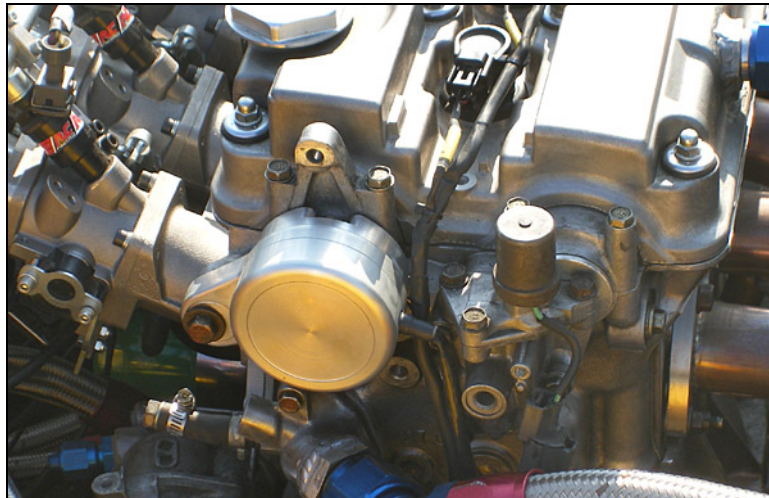


Figure 4.

3) EPM Wiring

- a) The EPM has a short cable with a 4 pin connector, supplied with the EPM is the mating connector housing with 5 crimp terminals. The connector pinouts are shown in figure 5.

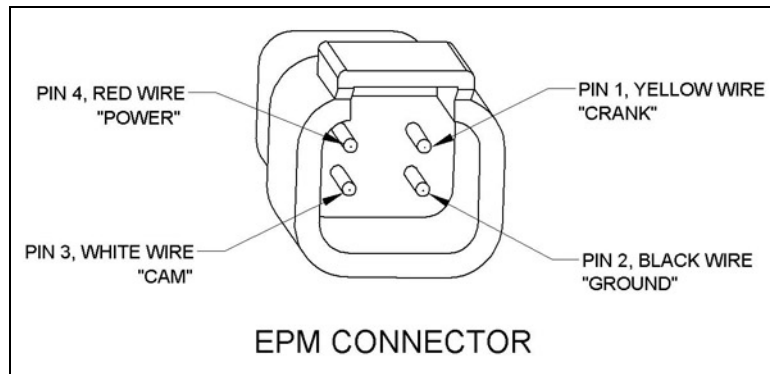


Figure 5.

- b) The EPM puts out a 12V square wave, 24 crank signals and 1 short pulse cam signal every 360 distributor degrees, see figure 6.

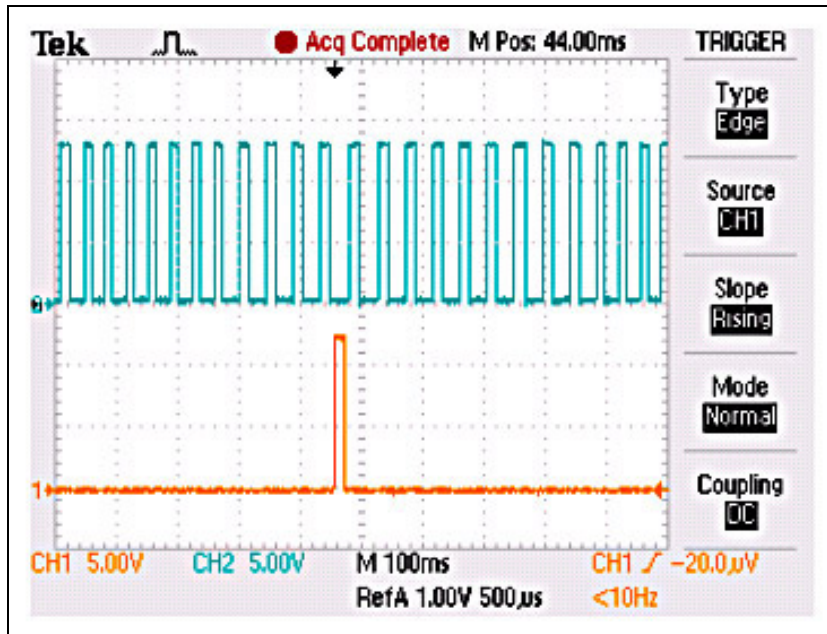


Figure 6.

- c) Figure 7 shows a typical system diagram for the Honda EPM using an aftermarket engine management system and coil on plug ignition system.

Engine Position Module (EPM) System Diagram

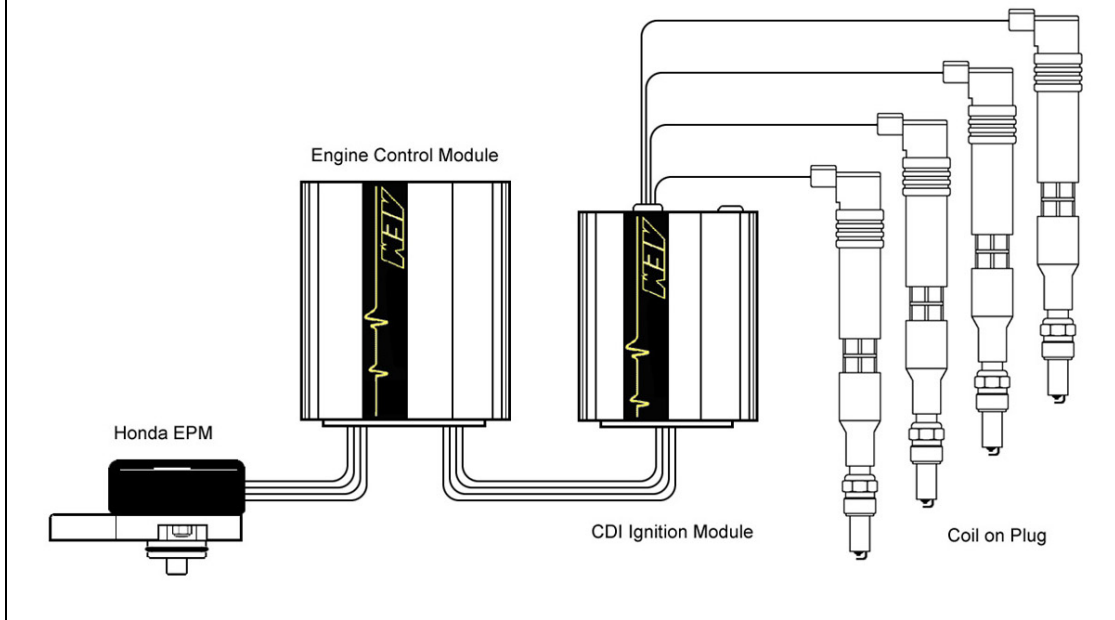


Figure 7.