



**PRODUCT NUMBER**  
**H3-PER-125**

## **H3 RAPTORQ INSTRUCTION MANUAL**

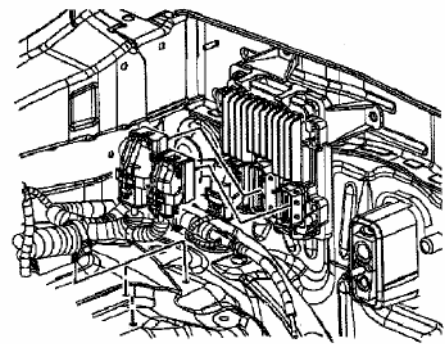
***Congratulations*** on the purchase of your new accessory by Predator Motorsports®. As with all products, proper installation is the key to obtaining all of the benefits your accessory is capable of delivering. Please take a few minutes to read through the instructions to identify the components and learn where and how they are used. It is a good idea to start by comparing the parts in your kit with the parts list below. Be sure to take all applicable safety precautions during the installation of this product.



<b><u>Parts List</u></b>	<b><u>Quantity</u></b>	<b><u>Tools Required</u></b>
Raptorq Computer	1	

### **INSTRUCTIONS**

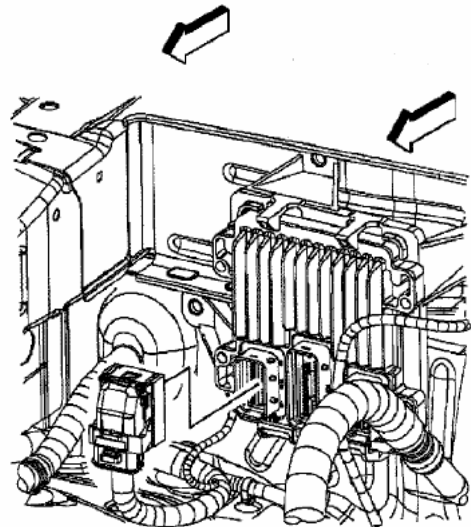
1. **IMPORTANT:** To ensure PCM is not damaged, make sure ignition is off prior to removing PCM.
2. Locate ECM on driver's side of vehicle, under the hood.
3. Remove the three wire harness connectors from PCM by pushing the tab down and pulling back on the latching tab.
4. Unclip wire pcm from mount and remove.
5. Install new Raptorq PCM into mounting bracket.
6. Securely clip in place with factory clips.
7. Install wire harness and snap in place.



#### **Note:**

It is possible that trouble code P 0315 will signal. This is a Crank Shaft Position Variation Relearn Procedure. Most H3's will not experience this however it is possible for this to arise resulting from the installation of a new PCM. Please follow the following direction to remove this trouble code.

1. Install Scan Tool.
2. Monitor the PCM for DTC's with the Scan Tool. If other DTC's are set, except DTC P0315, refer to Diagnostic Trouble Code (DTC) List- Vehicle for the applicable DTC.
3. Select the crankshaft position variation learn procedure with a scan tool.
4. The scan tool instructs you to perform the following.
  1. Accelerate to wide open throttle (WOT).
  2. Release throttle when fuel cut-off occurs.
  3. Observe fuel cut-off for applicable engine.
  4. Engine should not accelerate beyond calibrated RPM value.
  5. Release throttle immediately if value is exceeded.
  6. Block drive wheels.
  7. Set parking brake.
  8. **DO NOT** apply brake pedal.



9. Cycle ignition from OFF to On.
10. Apply and hold brake pedal
11. Start and idle engine.
12. Turn the A/C OFF
13. Vehicle must remain in Park or Neutral
14. The scan tool monitors certain component signals to determine if all conditions are met to continue with the procedure. The scan tool only displays the condition that inhibits the procedure. The scan tool monitors the following components:
  - Crankshaft Position (CKP) sensor activity- If there is a CKP sensor condition, refer to the applicable DTC.
  - Camshaft Position (CMP) signal activity- If there is a CMP signal condition, refer to the applicable DTC.
  - Engine coolant temperature (ECT)- If the engine coolant temperature is not warm enough, idle the engine until the engine temperature reaches the correct temperature.

5. Enable the CKP system variation learn procedure with the scan tool and perform the following:

1. Accelerate to WOT
2. Release the throttle when fuel cut-off occurs
3. Test in progress.

**IMPORTANT:** While the learn procedure is in progress, release the throttle immediately when the engine start to decelerate. The engine control is returned to the operator and the engine responds to throttle position after the learn procedure is completed.

6. The scan tool displays Learn Status: Learned this ignition. If the scan tool indicates that DTC P0315 ran and passed, the CKP variation learn procedure is complete. If the scan tool indicates DTC P0315 failed or did not run, refer to DTC P0315. If any other DTC's set, refer to DTC list.
7. Turn OFF the ignition for 30 seconds after the learn procedure is completed successfully.

