

DYNATEK DFS7-28

2008+ YAMAHA RAPTOR 250

10,500 RPM LIMIT (9,500 stock Raptor 250)

CAUTION: This ignition will increase the engine rev-limiter!

Congratulations on your purchase of a Dynatek ignition. Please take a moment to read these instructions completely before installing the ignition. The installation will only take about ten minutes, but proper setup for your specific vehicle may take longer. The DynaFS ignition was designed to work best with the Dynatek coil (or stock coil) with the stock coil wire, plug cap, and spark plug. Use the stock resistor style spark plug cap and resistor spark plug.

Installation

This kit includes: DynaFS ignition and instruction sheet. This is a complete kit, and includes everything needed to install the ignition. Route the electrical harness carefully.

1. Turn ignition key off, remove the seat. Remove the tool kit. Remove the battery cover (two 10mm bolts).
2. Remove the stock ignition and disconnect it by unplugging the stock connector. Place the stock ignition in a secure location, it may be needed for troubleshooting.
3. Connect the DFS Ignition to the stock vehicle connector.
4. Mount the DFS Ignition behind the seat latch (See Picture 1).
5. Route the DFS Ignition harness carefully along the left side of the battery (See Picture 2).
6. Install the battery cover and replace the tool kit.
7. Installation is complete! Double-check your wiring and secure all loose wires using tie-wraps.

Calibration

The DynaFS is pre-programmed with a single performance advance curve, and a 10,500 RPM rev-limit. A quicker throttle response and increased power over the stock curve is achieved. For other advance curve information, see the attached Advance Chart. This ignition will allow the engine to rev to a higher RPM. Because the rev limit is increased, the performance limits of other engine parts (valve train or piston for example) may be found. It may be necessary to replace these parts for best engine performance.

Picture 1:



Picture 2:



Troubleshooting

Troubleshooting the Dyna ignition is simple. If the vehicle will not start or run at all, install the stock ignition. If this fixes the problem, then the Dyna ignition should be returned to Dynatek for testing. If this does not fix the problem, then the problem is somewhere else on the engine or vehicle. Follow the troubleshooting procedures outlined in your vehicle shop manual.

If you are using non stock spark plug, or stator, replace them with OEM units. If the problem persists when using the stock ignition then the problem is external to the Dyna ignition.

