PREDATOR/TRINITY DATALOGGING INFORMATION

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LOGGING:

Now, before we start making any adjustments to anything, we need to get a log of what your car is actually doing with the fueling.

NOTE: You want to have been driving the car for about 15-20 minutes before you start to record a log, so that everything is up to normal operating temps.

These are the parameters you need to setup to log:

For Trinity and 9rXX revision Predator users, the logging/monitoring parameters are now categorized under a bunch of different sub-menus and can be a PITA to find... here's the parameter location mapping:

Air Fuel Ratio (or may be called Equivalence Ratio) = Under **FUEL** menu *(some older vehicles may not have this parameter available)*

Long Term fuel trim bank 1 = under **FUEL** menu

Long Term Fuel Trim Bank 2 = under **FUEL** menu

Spark Advance = under **IGNITION** menu

Intake air Temp = under **INTAKE** menu

MAF Sensor Mass Air Flow = under **INTAKE** menu

MAF Sensor Frequency = under **INTAKE** menu *(some older vehicles may not have this parameter available)*

Total Knock Spark Retard (*some older vehicles may not have this parameter available*) = under **MISFIRE** menu

Knock Retard = under **MISFIRE** menu

Engine Speed (RPM) = under **PERFORMANCE** menu

Commanded Throttle position (*some older vehicles may not have this parameter available*) = under**THROTTLE** menu

Absolute Throttle Position = under**THROTTLE** menu

Once you have them all selected (and have driven for 15-20 mins to get your vehicle up to normal operating temps), you need to go do some good steady driving on the highway.

You want to do the log during the warm part of the day if possible - not at night or early morning when the air is colder and more dense... then you want to get on the highway, and drive steady keeping your rpms between 1700-2400 as much as you can... if you have a 6-speed tranny you can do it in 5th gear so you don't have to go 90mph hahaha... record the log for about 2-3 minutes, then you can stop the recording and save the log.

Your log is done!

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REVIEWING / DOWNLOADING YOUR DATA LOG:

To get the log off the Predator/Trinity and onto your PC, hook up the power adapter and serial (or usb) cable to your Predator (or usb cable for your Trinity) and let it boot up to the main menu. Now start up the Dataviewer. It'll tell you it can't read the VIN of the vehicle (duh! cus it's not connected to the

vehicle LOL) and to click the download icon to get the log from the Predator/Trinity. So go ahead and click that icon and wait a few minutes for the log to download from your tool.

Once it's downloaded from the tool, you will see a list of the parameters you selected to log on the left-hand side of the Dataviewer screen. Once the log parameters have shown up, you would then save the log to your PC by going to File – Export To CSV and save the log as a csv file to your PC.

Then you can close the Dataviewer app and disconnect your tool from your PC.

Then you'd email me that csv log file.