Installation Instructions for 40822
RPM Switch with Push Buttons & Digital Readout

NOTE: Before beginning the installation of this kit please disconnect the positive battery cable from your vehicle and read all the instructions completely!

Installation:

- Red wire attaches to a switched +12 Volt supply source.
- Black wire attaches to chassis ground.
- Grey wire is input for the Tachometer signal. This wire will hook up to the negative side of your ignition coil, or if you are using a high energy CD ignition, connect to the TACH output of your ignition system to the Grey wire of the RPM switch and ***NOT*** the coil.
- Blue wire connects to the negative/ground side of the device that you want to activate at the desired RPM. This connection is either Normally Open *(Blue wire provides ground **AFTER** the switch reaches desired RPM)* or Normally Closed *(Blue wire is grounded **UNTIL** switch reaches desired RPM)* according to the setting in program mode *(OFF means Normally Open and will supply ground when the selected RPM is reached, ON means Normally Closed and the switch will open when the selected RPM is reached)*. Factory default is Normally Open.

NOTES: Most Late Model vehicles that don't have a distributor, or have multiple coils will require the use of a Tach Adapter. If the device to which the blue wire is attached to draws more than 3 amps, a relay must be used to drive that device or damage will occur to the unit.

Operation:

The unit comes preset at the factory for 8 cylinders, Activation at 5000 RPM and switch set to Normally Open (NO). The display will stay in a continuous program mode loop until it receives incoming tach signals.

To change factory settings, turn the ignition on, but do not engage the starter. You can change the setting only prior to the unit receiving Tach signals from your ignition system. Once your engine is started, the unit cannot be programmed until the engine is shut off and the ignition only is turned on.

When the unit is turned on with NO signal coming from the engine, the unit will display the setting for the rpm in 100 rpm increments. If you wish to change the rpm setting you must press the left button while the rpm is being displayed. This will let the microprocessor know that you wish to change the setting. Continue to press the left button and the digital display will increase in 100 rpm increments up to 9900 rpm. If you wish to decrease the rpm setting press the right button. After you have finished, the readout will continue to display your setting for a couple of seconds then it will proceed to the Normally Open or Normally Closed program section. The display will read NO or NC at this time. To toggle between NO and NC, simply press the left button until the desired setting is reached. Finally, to change the number of cylinders, wait until the unit is done displaying the NO/NC status at which time it will then display 8CYL, 6CYL, or 4CYL. Again, simply press the left button until the desired setting is reached and then you are finished. At anytime during this procedure the unit receives pulses from the engine, the unit will instantly jump into Tach/RPM switch mode. Therefore, once you initially set the unit up for NO/NC and number of cylinders and you only wish to change the RPM setting, you may instantly start the engine after you change the RPM setting. The unit will continuously loop in program mode until the engine is started.

High RPM Memory Recall

After the engine has been started you can view the previous maximum RPM by pressing either button. Hold either button down to reset the maximum RPM

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