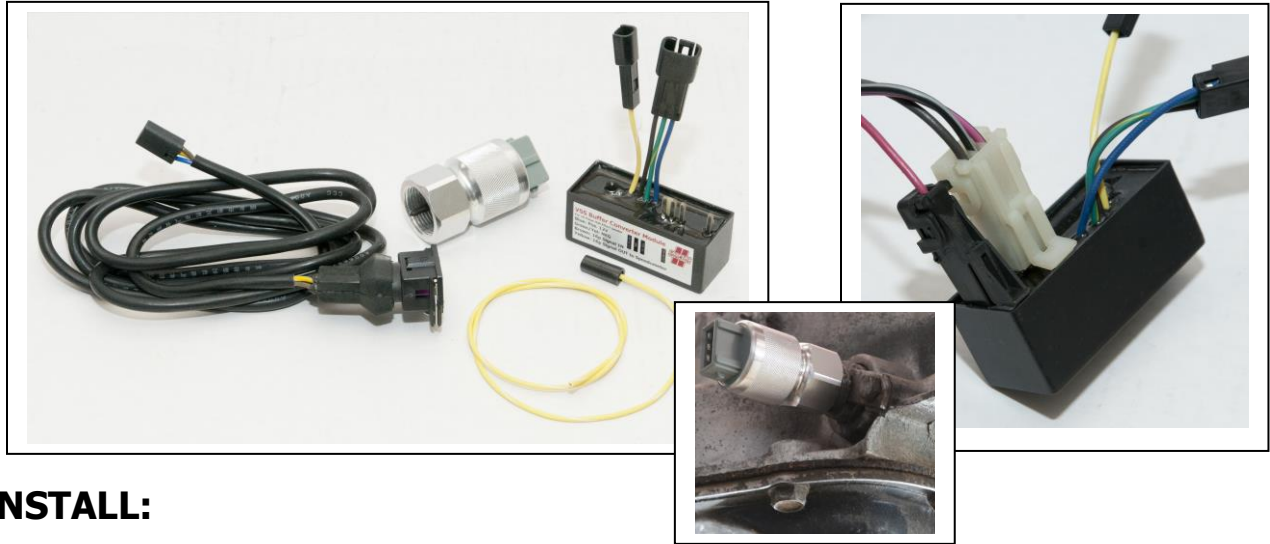


# INSTALLATION INSTRUCTIONS

## 102162 VSS Buffer Converter Module

This kit provides the required 2000 PULSE PER MILE signal to the turbo Regal ECM, along with the correct cruise control signal to restore normal cruise function when installing a "GNX" style dash using an electronic speedometer. The sender in this kit is a 16 pulse-per-revolution Hall Effect "dead-end" style and all necessary wiring connections are provided. Your factory dash connectors plug directly into this module.



### TO INSTALL:

Under the car, remove the existing speedometer cable by loosening the hex nut and unthreading the cable. The sender in this kit screws into the speedometer cable fitting found on the tail shaft of the 200-4R transmission. You will no longer need the mechanical speedometer cable, assuming you are using an electronic speedometer. Remove it from the car. Alternatively, if you have a 2-piece speedometer cable, you can attach the sender to the end that runs to the transmission. Located near the power brake booster.

Securely install the sender making sure that the square drive pin on its end engages properly into the transmission drive coupling. Do not over-tighten as damage to the sender may occur.

The connector on the extension provided plugs directly into the sender. Plug it into the sender receptacle securely. Route the cable up to the firewall location. Ideally, the cable will fit through the original rubber grommet that secured the speedometer cable. If this is not available, drill a 1/2 inch hole in the firewall and install a rubber grommet to protect the extension cable from sheet metal contact. Route the small connector under the dash. Plug the end into the 3 wire pigtail on the module provided in this kit. NOTE: The wire colors on the extension may not match the colors on the module; however it's wired properly from the factory.

Locate the VSS Buffer. It's a green box attached near the steering column. There are two connectors plugged into this; a three-wire power/VSS connector, and a one-wire CRUISE signal connector. Remove the two connectors and plug them both into the module provided in this kit. No latches are provided, so use cable ties or electrical tape to prevent those connectors from pulling out of the module connections. The 3 wire connector is keyed and can only be plugged in one way. The LED on the module indicates VSS sender signal present, and will blink on and off with rotation of the VSS sender to verify correct operation and hookup. You will no longer use the factory VSS buffer when installing this kit.

To feed your electronic speedometer, the yellow wire in this kit provides a 16,000 pulse-per-mile signal for that speedometer – which is typically a standard for electronic speedometers. Attach to the SIGNAL IN on your speedometer to provide the proper signal. Plug securely into the module pigtail and route it accordingly.

Installation is complete. Verify vehicle speed with your scan tool and check to see that your cruise control is working. Both should show correct road speed. TCC Lockup is now functional.