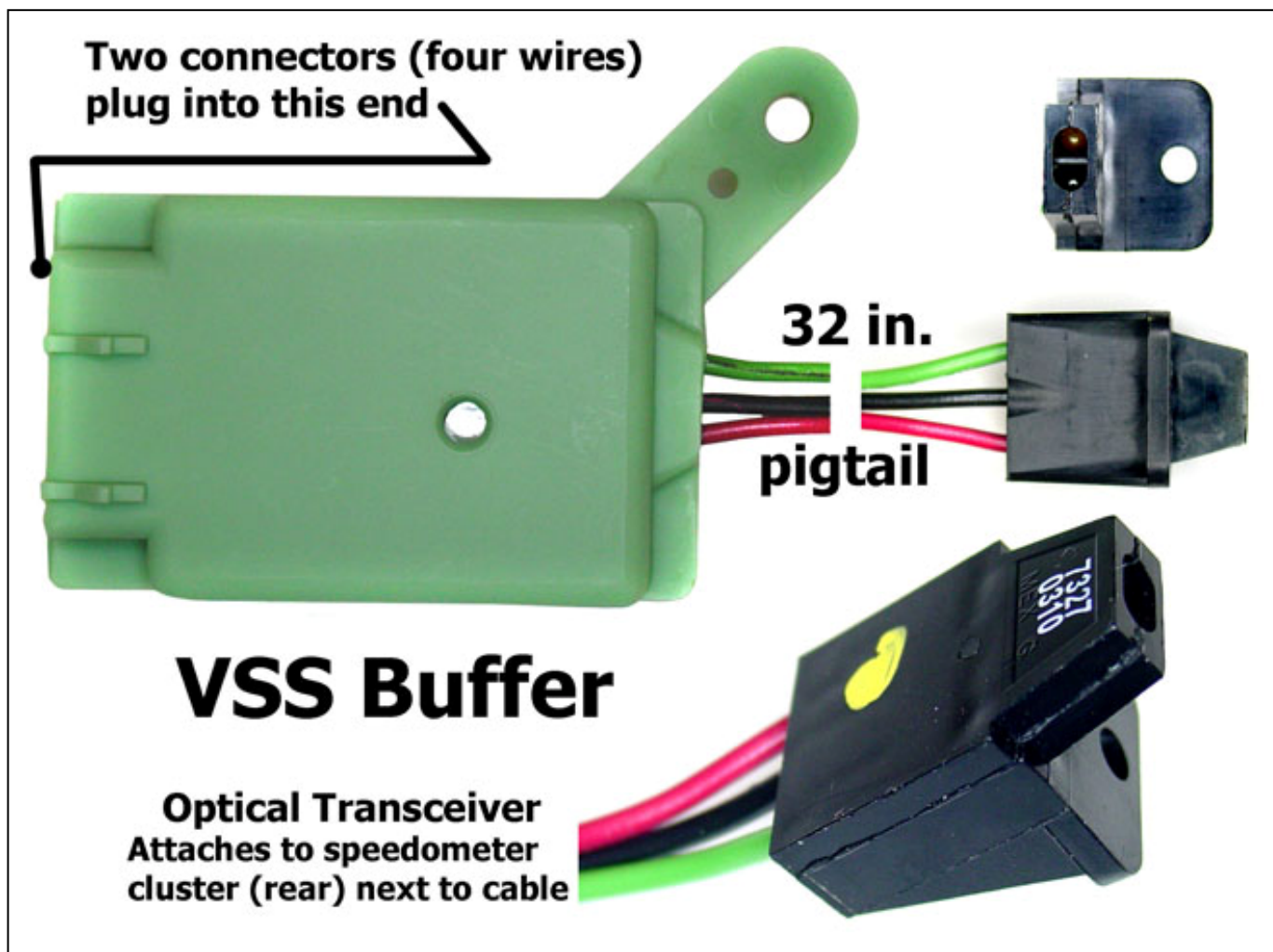


TECHNICAL INFORMATION

107113 VSS Buffer Module



The VSS Buffer Module is designed to intercept a signal from the movement of the speedometer cable, and transmit a filtered signal to the ECM and to the Cruise Control Module. This signal is relative to the speed of the vehicle.

The signal is intercepted via an infrared LED and phototransistor found in the optical transceiver head attached on the end of the long pigtail exiting the buffer box. This pickup head is focused and positioned at the rear of the odometer to sense the position of an interruptor ring which rotates when the speedometer cable rotates – sending a pulse signal twice per revolution of the speedometer cable. Once the reflected signal is received, the buffer circuitry conditions and splits the signal, sending the pulse train to the ECM and the cruise control module at a rate of 2000 pulses per minute (at 60 MPH). The ECM and Cruise Module then process this pulse train to determine vehicle speed. Speedometer cable speed is 1000 RPM at 60 MPH.

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