

# ***Dakota Digital***

## **SGI-2**

### **SPEED GENERATOR INTERFACE UNIT**

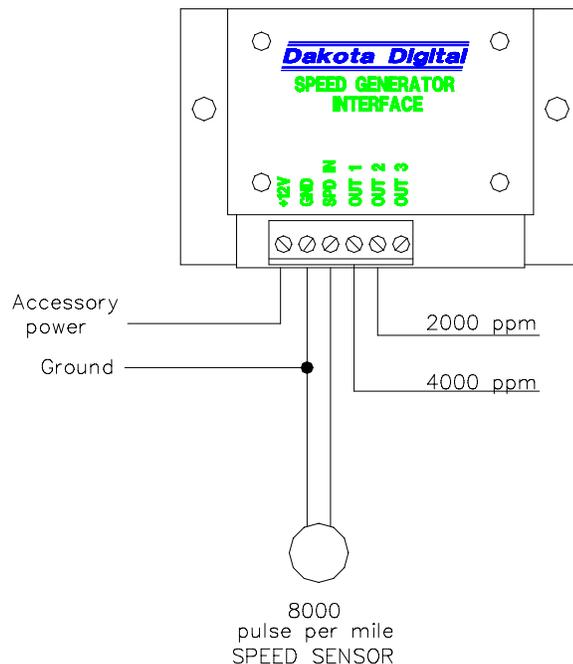
This unit will accept a 8000 pulse per mile speed signal for the speedometer and generate 4000 and 2000 pulse per mile speed outputs to drive an ECM or cruise control.

Most aftermarket electric speedometers use an 8000 pulse per mile speed sender designed to connect to a mechanical speed transmission output. This signal will not work for operating ECM's or some stock cruise controls and speedometers. The Speed Generator Interface will convert the 8000 pulse per mile signal into 4000 and 2000 pulse per mile signals.

The speed sensor will be a two terminal device. One terminal should be grounded close to the speed interface unit, the other should be connected to the terminal marked 'SPEED IN'.

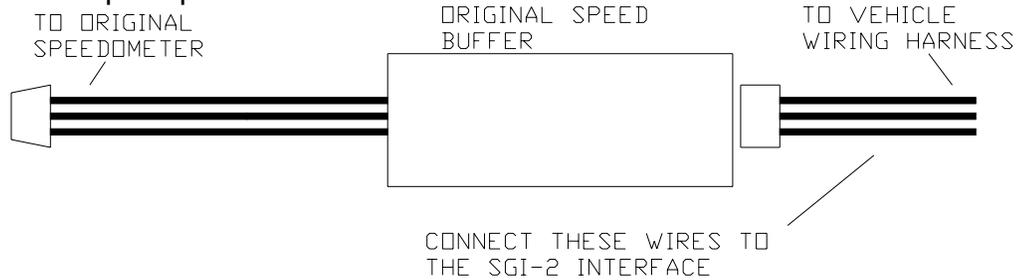
The connection is as follows:

+12 V:	+12 VOLT FUSED CIRCUIT
GND:	CHASSIS GROUND
SPEED IN:	SPEED SENSOR SIGNAL
OUT 1:	4000 ppm SPEED OUTPUT
OUT 2:	2000 ppm SPEED OUTPUT
OUT 3:	not used



## Mid 80's Chevrolet Pickup applications

The SGI-2 replaces the speed buffer in the original wiring harness and allows our speed sensor to provide the signal instead of the original speedometer. The wires from the original speedometer went to a speed buffer and then went to the cruise control and fuel injection computer. The wires that will connect into the SGI-2 are from the buffer output, not from the original speedometer pickup.



The wires going to the vehicle wiring harness will be a 12 volt wire (usually pink), a ground wire (usually black), and a buffer speed signal wire (usually yellow or brown). Connect the 12 volt wire to the +12V terminal. Connect the ground wire to the GND terminal. Connect the SPD IN terminal to the speed signal wire going to the display system speed sensor signal wire. Connect the buffer speed signal wire to the SGI-2 OUT2 (2000 ppm) terminal.

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