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Other Languages: [Portuguese](#), [Français](#), [Español](#), **Author:** Matthew Boyer
Viewed: 3560

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Coding Information

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Title: Vehicle Speed (VSS) Surge in Cruise Control or When Shifting Transmission From High to Low Range

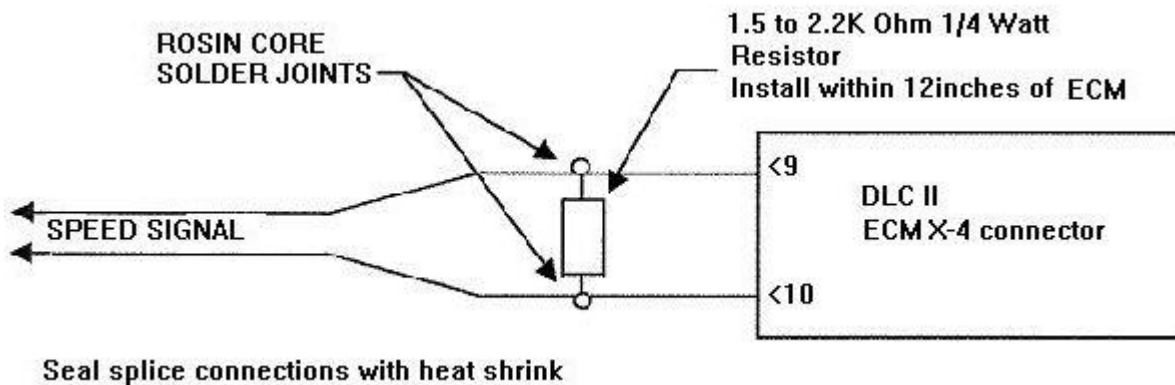
Applies To: All Vehicles

DESCRIPTION

If you have the Vehicle speed(VSS) surging in 4000, 7000, and 8000 trucks equipped with a transfer case, and you can't find anything wrong, see below. We have also seen this with 5000 and 9000 models when shifting the transmission from high to low range and vice versa. In these models it has been more common with CAT engines. Below you will find the fix for each of these.

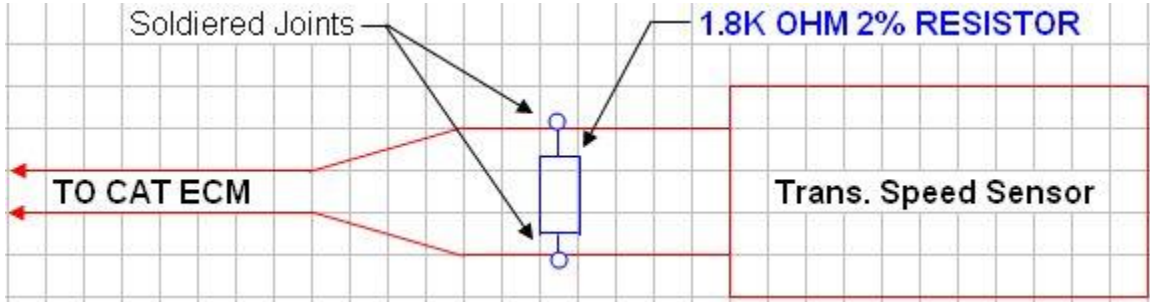
For International engines with a transfer case:

If proper testing of speed sensor circuits have not revealed a problem in the harness, solder a resistor across the speed sensor wiring at the X-4 connector on DLC II engines.



For CAT or Cummins engines:

To eliminate the frequency from the range selector being transmitted to the engine ECU a 1.8K OHM resistor was installed by the sensor, (soldered, weatherproofed and put back in the loom) The resistor can go anywhere in the line between the transmission speed sensor and the engine ECU, the easiest to get to is by the speed sensor.



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