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<b>Other Languages:</b>	NONE	<b>Author:</b>	Will (Mark) Wiley
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Coding Information

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**Title: Bus Gauges Drop out or Freeze Intermittently**

**Applies To: IC Bus, FE and RE Model**

**DESCRIPTION**

Bus Gauges Drop out or Freeze Intermittently

**RESOLUTION**

**2007 Emission Engines - and Older**

The cluster in these units does not have a microcontroller in the cluster and therefore have no software or programming. If an intermittent issue is experienced on this cluster, diagnostic steps would need to be completed to verify power, grounds and data link. If all circuits are good, the cluster board may be at fault.

**2010 Emission Engines**

Units equipped with 2010 emission engine will have a similar cluster with the exception of a microcontroller that is installed inside the cluster. The microcontroller software/programming has been found to be incorrect and new programming was released in production starting Sept 17, 2012. If all circuits are good, intermittent operation of this cluster design will be related to the software level in the microcontroller. Cluster software related issues can be resolved by replacing the cluster. Cluster version "D" contains the updated software.



### ADDITIONAL RESOURCES

[IC Bus Service Resource Center](#)

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