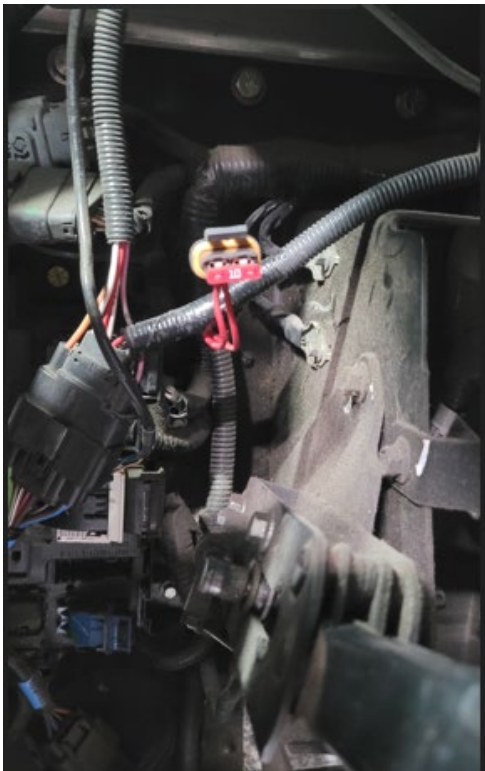


DIFFICULT TO DIAGNOSE REFERENCE		
MY(s)	SYMPTOM	CORRECTION
20 & newer (7.3)	CEL light for restraint module after programming BCM	IDS update
19 & older (6.8)	CEL light with no DTCs	Reset Keep Alive Memory (KAM)
20 & newer (7.3)	Collision warning, no power in 1 <sup>st</sup> gear	ABS module ground G105 loose
All	Crank no start	Bad Geotab
All	Crank no start	Bad mass airflow sensor
20 & newer (7.3)	DTC 2195	Bad PCM was biasing the UEGO sensors. Even when the UEGOS were replaced the PCM damaged them
20 & newer (7.3)	DTC U0418 Service Advance Trac / Check Brake System	ABS module
20 & newer (7.3)	Horn sounds with flashers	Body Control Module (BCM)
20 & newer (7.3)	Intermittent blank IPC	Gateway Module (GWM) SSM 51254
All	Intermittent loss of throttle	Brake Over Accelerator (BOA) strategy. The brake over accelerator feature will be active at speeds greater than 16 km/h (10 MPH). Operators that rest a foot on the brake pedal when also applying the accelerator pedal may activate the brake over accelerator feature. The brake activation is detected by the PCM from the electrical brake switch. In addition to brake over accelerator comments, the customer may bring the vehicle in for repair to address concerns such as a hesitation/stumble or a lack/loss of power. In the event of a hesitation/stumble or a lack/loss of power concern, carry out normal vehicle diagnostics for the appropriate symptom code. If the brake over accelerator feature is suspect, the BRKOV <sub>R</sub> _ACTION, BRKOV <sub>R</sub> _POSS and DIST_BRKOV <sub>R</sub> PIDs will display a brake over accelerator event occurred.
20 & newer (7.3)	Intermittent no crank	overlay for PCM C175B pin 78 and BJB C1035C pin 13
19 & older (6.8)	Intermittent Power Loss w/ DTC P061B on Agility CNG	Heater hose was laying on top of wiring harness pressing it against the CNG fuel rail support bracket causing the bracket to rub through the bottom of the wiring harness into the wires
20 & newer (7.3)	Intermittent shut off & restart	Expanded Pin 2 at C1035B under BJB. Would also cause cluster to go off. Found by wiggling wires at connector.
19 & older (6.8)	Intermittent trans downshift	Replace 12A581 harness
19 & older (6.8)	Long crank caused by CNG fuel pressure leak down after key off	Metal from fuel rail in fuel injectors
19 & older (6.8)	Misfire on 1 bank	cam caps / bearings
20 & newer (7.3)	No crank, no start	Gateway Module (GWM) SSM 51254
20 & newer (7.3)	No crank, no start	Blown 10A fuse in Morgan Olson Keyless wiring harness. See "10A MO fuse" tab
All	No throttle response	Bad mass airflow sensor
All	Rear end wiggle caused by retread tires in front and back	
20 & newer (7.3)	SCCM U3000 DTC	14401 wiring harness
All	Starts and dies	Bad mass airflow sensor
20 & newer (7.3)	Steering wheel angles does not change	Expanded pins in SCCM connector



From Vicotr Edgell on 2/10/25: The harness that you are seeing with the blown fuse is actually a rework harness that is not standard. This is intended to separate the Keyless system from the keyed switch on the IP. I am unsure how many units have been upfit with this harness, I believe it was a field campaign