



TECH TIPS

Dixie Part Numbers:	S-1468	S-1490	S-1511	S-1515
	S-1517	S-1522	S-8997	S-80060
	TBA			

Applications: 2007 – 2012 Cadillac Escalade¹
2007 – 2010 Cadillac XLR¹
2007 – 2012 Chevrolet Avalanche¹
2007 – 2012 Chevrolet Corvette¹
2007 – 2012 Chevrolet Silverado¹
2007 – 2012 Chevrolet Suburban¹
2007 – 2012 Chevrolet Tahoe¹
2007 – 2012 GMC Sierra¹
2007 – 2012 GMC Yukon¹
2008 – 2012 Chevrolet Silverado Hybrid
2008 – 2012 Chevrolet Tahoe Hybrid
2008 – 2012 GMC Sierra Hybrid¹
2008 – 2012 GMC Yukon Hybrid¹
2008 – 2009 Hummer H2¹

¹ Note: With 6 speed transmission or Hybrid-Two Automatic Transmission (6L80 RPO MYC, 6L90 RPO MYD or 2ML70)

Condition: The operator of the vehicle may complain of one or more of the following conditions:

- The engine may not crank or start intermittently.
- Various warning lights illuminated on the dash.
- The door locks may cycle by themselves.
- The driver may have warning messages displayed in the driver information center.
- The transmission may not shift or defaults to the limp home mode (2nd gear).
- The gauges may fluctuate.
- Pressing the brakes results in gauges becoming erratic and the chime may activate.

The technician may observe the following diagnostic trouble codes stored in the system:

- U0073: Control module communication bus off.
- U0100: Lost communication with engine control module/power train control module
- U0101: Lost communication with transmission control module
- U0102: Lost communication with transfer case control module
- U0109: Lost communication with fuel pump control module
- U0121: Lost communication with antilock brake control module
- U0140: Lost communication with body control module



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Cause:

Some potential causes for the above include, but are not limited to:

- The terminals for the high speed serial data bus (GMLAN) have backed out of the 16-way electrical connector to the automatic transmission.
- The terminal position assurance lock in the transmission 16-way electrical connector is not fully seated.
- The high speed serial data bus (GMLAN) circuits are open or shorted to ground.
- Corrosion in various control module connectors.
- Intermittent or poor connections in the inline connectors containing the high speed serial data bus (GMLAN) circuits.
- Water intrusion into various control module connectors.

Correction:

Follow the manufacturer's recommended diagnostic and repair procedures when applicable.

Rev:

20111031: Added 2011 model year applications

20121112: Added 2012 Model Year