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 Escalade[1]
2007 – 2010 Cadillac XLR[1]
2007 – 2012 Chevrolet Avalanche[1]
2007 – 2012 Chevrolet Corvette[1]
2007 – 2012 Chevrolet Silverado[1]
2007 – 2012 Chevrolet Suburban[1]
2007 – 2012 Chevrolet Tahoe[1]
2007 – 2012 GMC Sierra[1]
2007 – 2012 GMC Yukon[1]
2008 – 2012 Chevrolet Silverado Hybrid
2008 – 2012 Chevrolet Tahoe Hybrid
2008 – 2012 GMC Sierra Hybrid[1]
2008 – 2012 GMC Yukon Hybrid[1]
2008 – 2009 Hummer H2[1]

[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

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 of 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