



# TECH TIPS

<b>Dixie Part Numbers:</b>	TBA (not all applications currently carry Dixie part numbers)			
	A-1645	A-1705	A-1758	A-1763
	A-6548	S-1468	S-1490	S-1511
	S-1518	S-1524	S-1525	S-80060
	S-80302	S-80309		

**Applications:** 2007 – 2010 Cadillac Escalade (including ESV and EXT models)  
2007 – 2010 Chevrolet Avalanche  
2007 – 2010 Chevrolet Silverado  
2007 – 2010 Chevrolet Suburban  
2007 – 2010 Chevrolet Tahoe  
2007 – 2010 GMC Sierra  
2007 – 2010 GMC Sierra Denali  
2007 – 2010 GMC Yukon  
2007 – 2010 GMC Yukon XL  
2007 – 2010 GMC Yukon Denali  
2007 – 2010 GMC Yukon Denali XL  
2008 – 2010 Chevrolet Express  
2008 – 2010 GMC Savana

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

- Repeated failures of electronic components in the vehicle.
- Erratic operation of electronic devices in the vehicle.

The technician will observe aftermarket devices have been added to the system.

**Cause:** A potential cause for the above conditions is improperly installed aftermarket accessories. When a solenoid or relay is switched off the collapsing magnetic field produces a voltage spike (also referred to as transient voltage). If aftermarket accessories are connected in any way to the run/crank circuit of the above vehicles erratic operation will result up to and including permanent damage of the vehicle's sensitive electronic components.

**Correction:** When installing any device containing a solenoid or relay the control circuit must have a suppression diode installed. Follow the manufacturer's recommended procedures for installing aftermarket accessories. The manufacturer part number for the diode is 12112422. There are various locations, which the manufacturer has provided to connect aftermarket accessories and it is strongly recommended that these be used.