



# TECH TIPS

**Dixie Part Numbers:** MULTIPLE

**Applications:** 2003 – 2008 Buick, Cadillac, Chevrolet, GMC, Oldsmobile, Pontiac and Saturn Passenger cars and trucks.  
2003 – 2008 Hummer H2, H3  
2005 – 2008 Saab 9-7x

**Condition:** The starter continues to crank after the key is released.

**Cause:** The cranking cycle is control by the PCM, the key activates a relay and the start cycle time is controlled by the PCM. The engine uses a specially designed fuel pump to be compatible with the E85 fuel. This fuel pump can take 1 or 2 seconds to build up pressure, most often after the vehicle has sat for a few hours.

**Correction:** This is a design feature of the vehicle and the cycle is limited to protect the starter. The only correction is to inform the customer of this feature.  
**Note:** When the key is turned to the off position the cranking stops.