



## STAR ONLINE PUBLICATION



**Case Number:** S2508000058

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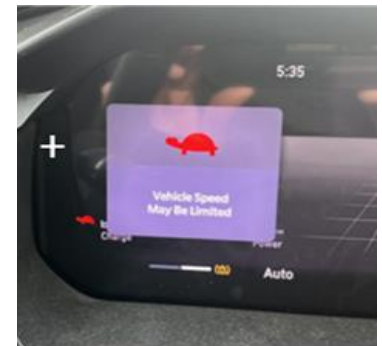
**Symptom/Vehicle Issue:** Red Turtle Lamp Warning Indicator On, Drive-by-Brake Limp-in-Mode, Propulsion System

**Customer Complaint/Technician Observation:** The owner complains of a red turtle lamp warning indicator illuminated “Vehicle Speed May Be Limited” message on the cluster. The technician observed the vehicles Electric Vehicle Control Module (EVCU), and other modules may have set one or more of the following Diagnostic Trouble Codes (DTCs):

P3034-00 Internal EVCU Driver Torque Calculation  
P060D-00-Internal Control Module Accelerator Pedal Position  
P061B-00-Internal Control Module Torque Calculation Performance  
P060B-00-Internal Control Module A/D Processing Performance

**Or any combination of faults on both accelerator sensors 1 and 2:**

P2122-00-Accelerator Pedal Position Sensor 1 Circuit Low  
P2127-00-Accelerator Pedal Position Sensor 2 Circuit Low  
P2123-00-Accelerator Pedal Position Sensor 1 Circuit High  
P2128-00-Accelerator Pedal Position Sensor 2 Circuit High



**Discussion:** In rare cases when the vehicle detects a propulsion system fault as mentioned above, the propulsion controls activate a “Drive-by-Brake” a controlled limp-home mode which allows the driver to continue driving to avoid being stranded.

In this Drive-by-Brake limp-home mode the propulsion system delivers gradual power and torque required to continue driving up to approximately 50 MPH. The accelerator pedal will be unresponsive, and the driver can continue to drive using the brake to slow or stop the vehicle as desired. With this capability the driver can continue to operate the vehicle for any amount of time or distance. Future updates to include additional pop-up messages are being investigated to provide added operating instructions to the driver, the field will be notified as further updates become available.

**Note:** If the vehicle entered the ‘Drive-by-Brake’ limp-home mode, a key cycle (especially a long key cycle that allows the modules to sleep) may allow the fault condition to reset and exit the limp-home mode.

This document does not authorize warranty repairs. This communication documents a record of past experiences. STAR Online does not provide any conclusions about what is wrong with the vehicle. Rather, it captures all previous cases known that appear to be similar or related to the vehicle symptom / condition. You are the expert, and you are responsible for deciding on the appropriate course of action.

**Contact STAR Center, or your Technical Assistance Center Via TechConnect, eCONTACT or Service Library entry if no solution is found.**