

### GPOP - Issue Review System

**Part Number:** 68410619A\$, 68622122A\$, 68630749A\$

**Part Description:** Security Gateway Module

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**Issue Description:** Battery Voltage - Circuit Voltage Below Threshold - DTC B2199-16 Repair Action :  
 1) Check OR Replacing cabling. 2) Check OR Replacing connector. 3) Check the battery is good OR Replacing battery. 4) Check OR Replacing FUSE. 5) Check SGW terminal. Battery Voltage - Circuit Voltage Above Threshold - DTC B2199-17 Repair Action :  
 1) Check OR Replacing cabling. 2) Check OR Replacing connector. 3) Check the battery is good OR Replacing battery. 4) Check OR Replacing FUSE. 5) Check SGW terminal. CAN Bus- [C-CAN1] (Node mute) or CAN Bus Off Performance- (Bus off failure) - Check DTC in DTC matrix Repair Action:  
 1) CAN Lines Check 2) Read Fault memory of all nodes 3) Check and download the right calibration file for current vehicle configuration Ethernet Bus Failure - Check DTC Repair Action:  
 1) CAN Lines Check 2) Read Fault memory of all nodes 3) Check and download the right calibration file for current vehicle configuration ECU-In-Plant-Mode - B235A-00 Repair Action:  
 Install Calibration file with correct policy Ecu Internal Performance - Internal Electronic Failure - DTC B22A9-49 Repair Action:  
 1. If its in store clear and check again if DTC shows up. 2. Check battery voltage 3. Issue still exist then change ECU ECU Not Programmed / Flash Required (No Valid Application) - DTC C221C-00 Repair Action:  
 1. Reflash ECU with correct file Control Module Security Certificate Missing/Invalid - DTC U3033-00 or U3033-01 Repair Action:  
 1. Check connectivity 2. Ethernet network 3. Flash with the latest FOTA App Code 4. Flash the cert store with correct certificate 5. Clear Faults