

## GPOP - Issue Review System

**Part Number:** 68570901A\$, 68570904A\$, 68570913A\$, 68570920A\$, 68570932A\$,  
68570937A\$, 68570938A\$, 68641572A\$, 68641573A\$, 68641575A\$,  
68641578A\$

**Part Description:** TRANS SHIFTER MODULE

**Issue** Symptoms/Condition:  
**Description:** Shifter reports loss communication AND NO OTHER MODULES report the condition.  
 Diagnostic:  
 Please make sure ONLY shifter reports loss communication. If there are other modules reporting loss communication, then follow the existing service procedure Repair Procedure:  
 1. Verify Complaint - ESM reports a Loss of Communication (LOC) DTC, but no other modules do. - If multiple modules report the same LOC, the ESM is not the cause (it's not a gateway module). 2. Read DTCs - Relevant codes: U0101, U0140, U0155, U0129, U11C3, U0402, U0422, U0423, U0415, U145D. - If multiple LOC DTCs are present:  
 a. Check battery health, system voltage, and TCM (including valve body). b. If TCM goes offline, ESM may falsely report LOC DTCs. 3. Check Environmental Data - Look for voltage/system issues at the same mileage. a. If DTCs clear, do not replace ESM. b. If not, inspect:  
 b.1 Module connectors/pins:  
 If damaged, don't repair shifter. b.2 TCM connectors/pins:  
 Same rule. b.3 AGSM connectors/pins:  
 If damaged, repair shifter. b.4 AGSM wiring harness:  
 If damaged, don't repair shifter. 4. Review Past Service - Confirm battery and TCM-related repairs are still effective. a. If not, fix and clear DTCs. b. If yes, continue. 5. Check for Other LOCs - If other modules report LOC to the same module, inspect that module. - If not, repair the AGSM. Additional Description:  
 - The ESM only communicates with the TCM and is fully controlled by it. - In non-combustion engines, the TCM is replaced by the PCM. - If a stored DTC in the ESM disappears and doesn't return, do not replace the ESM.