

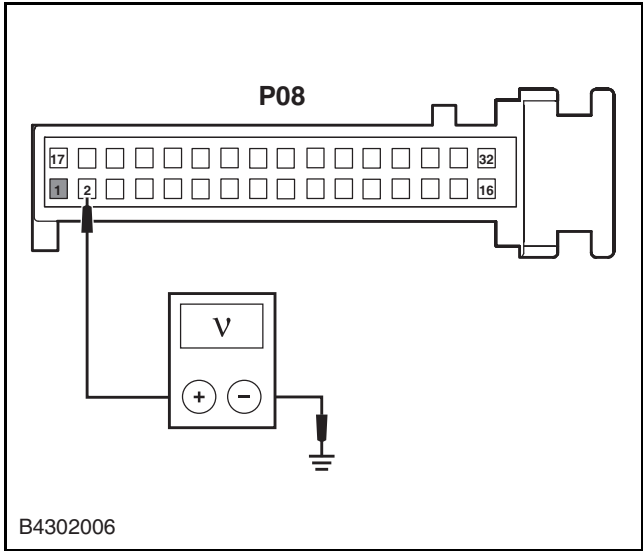
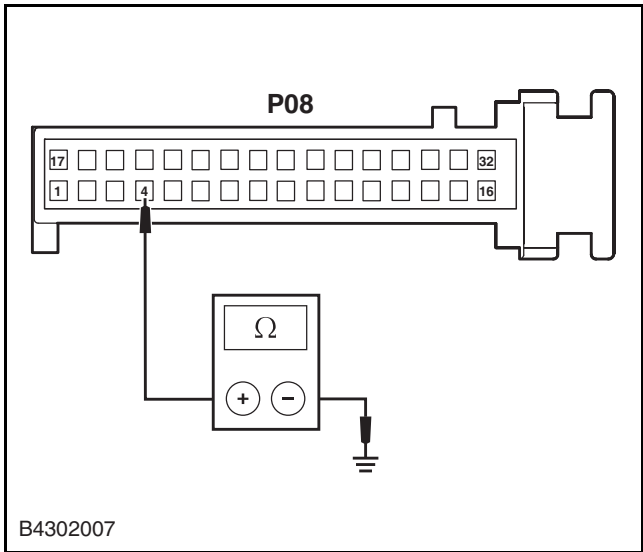
DTC U10A188, U10A787, U108087, U108487, U108587, U108687, U108787, U108887

1. DTC Description

DTC	Description	Definition
U10A188	CAN Node Bus OFF	<ul style="list-style-type: none"> Each system control module and diagnosis interface communicate with each other through on-board network bus
U10A787	Message IP_280 Transmitting Timeout	
U108087	Lost Communication with BCM	
U108487	Lost Communication with EMS	
U108587	Lost Communication with EPS	
U108687	Lost Communication with ESP	
U108787	Lost Communication with SRS	
U108887	Lost Communication with TCU	

2. Diagnosis Procedure

Test Conditions	Details/Results/Actions
1. General inspection	<p>A. Inspect each relative wiring harness connector for damage, poor contact, aging and looseness, etc. Is it normal? Yes Go to step 2. No Repair the faulty area.</p>
2. Clear DTC	<p>A. Connect the diagnostic tool. B. Enter BCM. C. Select "Clear DTC" function. D. Operate the ignition switch. E. Read DTC again. Does DTC still exist? Yes Go to step 3. No Intermittent malfunction.</p>

Test Conditions	Details/Results/Actions
<p>3. Inspect CAN bus circuit</p>	<p>A. Inspect the CAN bus circuit.</p> <p>Refer to: CAN Bus Integrity Inspection (4.3.14 On-board Network, System Overview).</p> <p>Is CAN bus circuit normal?</p> <p>Yes</p> <p>Go to step 4.</p> <p>No</p> <p>Handle the faulty CAN bus circuit.</p>
<p>4. Inspect instrument cluster power supply circuit</p> 	<p>A. Turn the ignition switch to "LOCK" position.</p> <p>B. Disconnect the instrument cluster wiring harness connector P08.</p> <p>C. Turn the ignition switch to "ON".</p> <p>D. Measure voltage at terminal 1 of instrument cluster wiring harness connector P08.</p> <p>Standard voltage: 11 ~ 14 V</p> <p>E. Turn the ignition switch to "ON" position and measure voltage at terminal 2 of instrument cluster wiring harness connector P08.</p> <p>Standard voltage: 11 ~ 14 V</p> <p>Is voltage normal?</p> <p>Yes</p> <p>Go to step 5.</p> <p>No</p> <p>Repair the instrument cluster power supply circuit.</p>
<p>5. Inspect instrument cluster ground circuit</p> 	<p>A. Turn the ignition switch to "LOCK" position.</p> <p>B. Disconnect the instrument dial plate light wiring harness connector P08.</p> <p>C. Measure resistance between terminal 4 of instrument cluster wiring harness connector P08 and reliable ground.</p> <p>Standard resistance: less than 5 Ω</p> <p>Is resistance normal?</p> <p>Yes</p> <p>Go to step 6.</p> <p>No</p> <p>Repair the instrument cluster ground circuit.</p>

Test Conditions	Details/Results/Actions
6. Replace instrument cluster	A. Turn ignition switch to "LOCK" position and remove negative battery cable. B. Replace the instrument cluster. Refer to: Instrument Cluster (4.3.2 Instrument Cluster, Removal and Installation). The system is normal.