

**DTC U0001:88/U0100:00/U0131:00/U0140:00/U0155:00 [ADAPTIVE FRONT LIGHTING SYSTEM (AFS)]**

id09021n017300

<b>System malfunction location</b>	<b>U0001:88</b> <ul style="list-style-type: none"><li>• Unit communication error (HS-CAN)</li></ul> <b>U0100:00</b> <ul style="list-style-type: none"><li>• Communication error with PCM</li></ul> <b>U0131:00</b> <ul style="list-style-type: none"><li>• Communication error with EPS control module</li></ul> <b>U0140:00</b> <ul style="list-style-type: none"><li>• Communication error with front body control module (FBCM)</li></ul> <b>U0155:00</b> <ul style="list-style-type: none"><li>• Communication error with instrument cluster</li></ul>
<b>Detection condition</b>	<ul style="list-style-type: none"><li>• U0001:88<ul style="list-style-type: none"><li>— The AFS control module detected CAN bus communication line (HS-CAN) malfunction <b>ten times</b> continuously.</li></ul></li><li>• U0100:00<ul style="list-style-type: none"><li>— The AFS control module could not receive CAN signal from the PCM for <b>5 s or more</b>.</li></ul></li><li>• U0131:00<ul style="list-style-type: none"><li>— The AFS control module could not receive CAN signal from the EPS control module for <b>5 s or more</b>.</li></ul></li><li>• U0140:00<ul style="list-style-type: none"><li>— The AFS control module could not receive CAN signal from the front body control module (FBCM) for <b>5 s or more</b>.</li></ul></li><li>• U0155:00<ul style="list-style-type: none"><li>— The AFS control module could not receive CAN signal from the instrument cluster for <b>5 s or more</b>.</li></ul></li></ul>
<b>Fail-safe</b>	<ul style="list-style-type: none"><li>• U0001:88<ul style="list-style-type: none"><li>— The swivel actuator is moved to the center.</li><li>— The headlight leveling actuator is stopped at the position when the malfunction is determined.</li></ul></li><li>• U0100:00<ul style="list-style-type: none"><li>— The swivel actuator is moved to the center.</li><li>— The headlight leveling actuator is stopped at the position when the malfunction is determined.</li></ul></li><li>• U0131:00<ul style="list-style-type: none"><li>— The swivel actuator is moved to the center.</li><li>— Control of the headlight auto leveling system is continued.</li></ul></li><li>• U0140:00<ul style="list-style-type: none"><li>— The swivel actuator is moved to the center.</li><li>— The headlight leveling actuator is stopped at the position when the malfunction is determined.</li></ul></li><li>• U0155:00<ul style="list-style-type: none"><li>— The swivel actuator is moved to the center.</li><li>— Control of the headlight auto leveling system is continued.</li></ul></li></ul>
<b>Possible cause</b>	<ul style="list-style-type: none"><li>• Malfunction in CAN bus communication line</li><li>• Malfunction in CAN communication line between PCM and AFS control module</li><li>• Malfunction in CAN communication line between EPS control module and AFS control module</li><li>• Malfunction in CAN communication line between front body control module (FBCM) and AFS control module</li><li>• Malfunction in CAN communication line between instrument cluster and AFS control module</li></ul>
<b>System wiring diagram</b>	—

**Diagnostic Procedure**

- Perform the malfunction diagnosis according to the troubleshooting procedure for the multiplex communication system. (See FOREWORD [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (L.H.D.)].) (See FOREWORD [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (R.H.D.)].) (See FOREWORD [SKYACTIV-D 2.2 (L.H.D.)].) (See FOREWORD [SKYACTIV-D 2.2 (R.H.D.)].)