

**DTC U0420:68 [ADAPTIVE FRONT LIGHTING SYSTEM (AFS)]**

id09021n017500

<b>System malfunction location</b>	<b>Error signal received from EPS control module</b>
<b>Detection condition</b>	<ul style="list-style-type: none"><li>• The AFS control module received error signal from the EPS control module for <b>5 s or more</b> with the ignition switched ON (engine off or on).</li></ul>
<b>Fail-safe</b>	<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>
<b>Possible cause</b>	<ul style="list-style-type: none"><li>• DTCs are stored in the EPS control module.</li><li>• EPS control module malfunction</li><li>• AFS control module malfunction</li></ul>
<b>System wiring diagram</b>	—

**Diagnostic Procedure**

<b>Step</b>	<b>Inspection</b>	<b>Action</b>
1	<b>VERIFY EPS CONTROL MODULE DTCs</b> <ul style="list-style-type: none"><li>• Perform the DTC inspection for the EPS control module using the M-MDS. (See ELECTRIC POWER STEERING (EPS) ON-BOARD DIAGNOSIS.)</li><li>• Is the DTC displayed?</li></ul>	Yes Repair the malfunctioning part according to the applicable DTC troubleshooting. (See ELECTRIC POWER STEERING (EPS) ON-BOARD DIAGNOSIS.)
		No Go to the next step.
2	<b>PERFORM DTC INSPECTION AND VERIFY IF MALFUNCTIONING PART IS EPS CONTROL MODULE</b> <ul style="list-style-type: none"><li>• Clear the AFS control module DTCs using the M-MDS. (See CLEARING DTC [ADAPTIVE FRONT LIGHTING SYSTEM (AFS)].)</li><li>• Switch the ignition ON (engine off or on) and wait for <b>5 s or more</b>.</li><li>• Perform the DTC inspection for the AFS control module using the M-MDS. (See DTC INSPECTION [ADAPTIVE FRONT LIGHTING SYSTEM (AFS)].)</li><li>• Is the DTC U0420:68 displayed?</li></ul>	Yes Replace the EPS control module, then go to the next step. (See STEERING WHEEL AND COLUMN REMOVAL/INSTALLATION.)
		No Go to Step 4.
3	<b>VERIFY THAT REPAIRS HAVE BEEN COMPLETED</b> <ul style="list-style-type: none"><li>• Clear the AFS control module DTCs using the M-MDS. (See CLEARING DTC [ADAPTIVE FRONT LIGHTING SYSTEM (AFS)].)</li><li>• Switch the ignition ON (engine off or on) and wait for <b>5 s or more</b>.</li><li>• Perform the DTC inspection for the AFS control module using the M-MDS. (See DTC INSPECTION [ADAPTIVE FRONT LIGHTING SYSTEM (AFS)].)</li><li>• Is DTC U0420:68 displayed?</li></ul>	Yes Replace the AFS control module, then go to the next step. (See ADAPTIVE FRONT LIGHTING SYSTEM (AFS) CONTROL MODULE REMOVAL/INSTALLATION.)
		No Go to the next step.
4	<b>VERIFY IF OTHER DTCs DISPLAYED</b> <ul style="list-style-type: none"><li>• Are any other DTCs displayed?</li></ul>	Yes Repair the malfunctioning part according to the applicable DTC troubleshooting. (See DTC TABLE [ADAPTIVE FRONT LIGHTING SYSTEM (AFS)].)
		No DTC troubleshooting completed.