

## DTC U3003:17 [ADAPTIVE FRONT LIGHTING SYSTEM (AFS)]

id09021n935300

<b>System malfunction location</b>	<b>AFS control module high power supply voltage input</b>
<b>Detection condition</b>	<ul style="list-style-type: none"> <li>AFS control module power supply circuit voltage of <b>18.1 V or more</b> is detected 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 stopped at the position when the malfunction is determined.</li> <li>The headlight leveling actuator is stopped at the position when the malfunction is determined.</li> </ul>
<b>Possible cause</b>	<ul style="list-style-type: none"> <li>DTCs are stored in the PCM.</li> <li>Battery malfunction</li> <li>Generator malfunction</li> <li>AFS control module malfunction</li> </ul>
<b>System wiring diagram</b>	—

### Diagnostic Procedure

Step	Inspection	Action
1	<b>VERIFY PCM DTCs</b> <ul style="list-style-type: none"> <li>Perform the DTC inspection for the PCM using the M-MDS. (See ON-BOARD DIAGNOSTIC TEST [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See ON-BOARD DIAGNOSTIC TEST [SKYACTIV-D 2.2].)</li> <li>Is the DTC displayed?</li> </ul>	Yes Repair the malfunctioning part according to the applicable DTC troubleshooting. (See DTC TABLE [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See DTC TABLE [SKYACTIV-D 2.2].)
		No Go to the next step.
2	<b>INSPECT BATTERY</b> <ul style="list-style-type: none"> <li>Inspect the battery. (See BATTERY INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See BATTERY INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (WITHOUT i-stop)].) (See BATTERY INSPECTION [SKYACTIV-D 2.2].)</li> <li>Is the battery normal?</li> </ul>	Yes Go to the next step.
		No Recharge or replace the battery, then go to Step 4. (See BATTERY RECHARGING [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See BATTERY RECHARGING [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (WITHOUT i-stop)].) (See BATTERY RECHARGING [SKYACTIV-D 2.2].) (See BATTERY REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See BATTERY REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
3	<b>INSPECT GENERATOR</b> <ul style="list-style-type: none"> <li>Inspect the generator. (See GENERATOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See GENERATOR INSPECTION [SKYACTIV-D 2.2].)</li> <li>Is the generator normal?</li> </ul>	Yes Go to the next step.
		No Replace the generator, then go to the next step. (See GENERATOR REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See GENERATOR REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
4	<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 U3003:17 displayed?</li> </ul>	Yes Repeat the inspection from Step 1. • If the malfunction recurs, 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.
5	<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.