

## ADAPTIVE FRONT LIGHTING SYSTEM (AFS) OPERATES EVEN THOUGH THE AFS OFF SWITCH IS TURNED ON [ADAPTIVE FRONT LIGHTING SYSTEM (AFS)]

id0903k9013700

### Note

- If there is any vehicle malfunction complaint lodged by a customer, perform FOREWORD [ADAPTIVE FRONT LIGHTING SYSTEM (AFS)] malfunction diagnosis according to the troubleshooting procedure.

### Possible malfunction

- AFS OFF switch malfunction (stuck off)
- AFS OFF control module malfunction

### Diagnostic Procedure

Step	Inspection	Action
1	<b>VERIFY AFS OFF INDICATOR LIGHT ILLUMINATION</b> <ul style="list-style-type: none"> <li>Display the following instrument cluster WL+IL simulation items using the M-MDS. (See ACTIVE COMMAND MODES INSPECTION [INSTRUMENT CLUSTER].)</li> <li>Does the AFS OFF indicator light illumination turn off when the warning light, indicator light illumination is operated to off?</li> </ul>	Yes Go to the next step.
		No Perform inspection referring to the AFS OFF INDICATOR LIGHT ILLUMINATES CONTINUOUSLY On item. (See AFS OFF INDICATOR LIGHT ILLUMINATES CONTINUOUSLY [ADAPTIVE FRONT LIGHTING SYSTEM (AFS)].)
2	<b>DETERMINE IF MALFUNCTION LOCATION IS AFS OFF SWITCH</b> <ul style="list-style-type: none"> <li>Display the following AFS control module AFS_ST PIDs using the M-MDS. (See PID/DATA MONITOR INSPECTION [ADAPTIVE FRONT LIGHTING SYSTEM (AFS)].)</li> <li>Inspect the PID display when the AFS OFF switch is turned on/off.</li> <li>Does the PID display switch normally in conjunction with the AFS OFF switch being turned on/off?</li> </ul>	Yes Replace the AFS control module. (See ADAPTIVE FRONT LIGHTING SYSTEM (AFS) CONTROL MODULE REMOVAL/ INSTALLATION.)
		No Go to the next step.
3	<b>PERFORM AFS OFF SWITCH INSPECTION</b> <ul style="list-style-type: none"> <li>Disconnect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (WITHOUT i-stop)].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].)</li> <li>Remove the AFS OFF switch. (See ADAPTIVE FRONT LIGHTING SYSTEM (AFS) OFF SWITCH REMOVAL/ INSTALLATION.)</li> <li>Inspect the AFS OFF switch. (See ADAPTIVE FRONT LIGHTING SYSTEM (AFS) OFF SWITCH INSPECTION.)</li> <li>Is the AFS OFF switch normal?</li> </ul>	Yes The system is operating normally.
		No Replace the AFS OFF switch. (See ADAPTIVE FRONT LIGHTING SYSTEM (AFS) OFF SWITCH REMOVAL/INSTALLATION.)