

**DTC B10A3:86 [ADAPTIVE FRONT LIGHTING SYSTEM (AFS)]**

id09021n934400

<b>System malfunction location</b>	<b>Communication error with swivel actuator (LH)</b>
<b>Detection condition</b>	<ul style="list-style-type: none"><li>• The AFS control module received error signals from the swivel actuator (LH) <b>three times</b> continuously with the ignition switched ON (engine off or on).</li><li>• The AFS control module could not receive the signal from the swivel actuator (LH) 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 (LH) is stopped at the position when the malfunction is determined.</li><li>• The swivel actuator (RH) is moved to the center.</li><li>• Control of the headlight auto leveling system is continued with the headlight leveling actuator positioned <b>-0.6°</b> from where the malfunction is determined.</li></ul>
<b>Possible cause</b>	<ul style="list-style-type: none"><li>• Front combination light (LH) poor connection</li><li>• Swivel actuator (LH) 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 IGNITER INSTALLATION CONDITION</b> <ul style="list-style-type: none"><li>• Verify the installation condition of the igniter. (See IGNITER REMOVAL/INSTALLATION.)</li><li>• Is the igniter installed correctly?</li></ul>	Yes Go to the next step.
		No Install the igniter correctly, then go to Step 3. (See IGNITER REMOVAL/INSTALLATION.)
2	<b>PERFORM DTC INSPECTION AND VERIFY IF MALFUNCTIONING PART IS SWIVEL ACTUATOR (LH)</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 B10A3:86 displayed?</li></ul>	Yes Replace the front combination light (LH), then go to the next step. (See FRONT COMBINATION LIGHT 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 B10A3:86 displayed?</li></ul>	Yes Repeat the inspection from Step 1. <ul style="list-style-type: none"><li>• 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.)</li></ul>
		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.