

### 3. Automatic Headlight Beam Level Control System

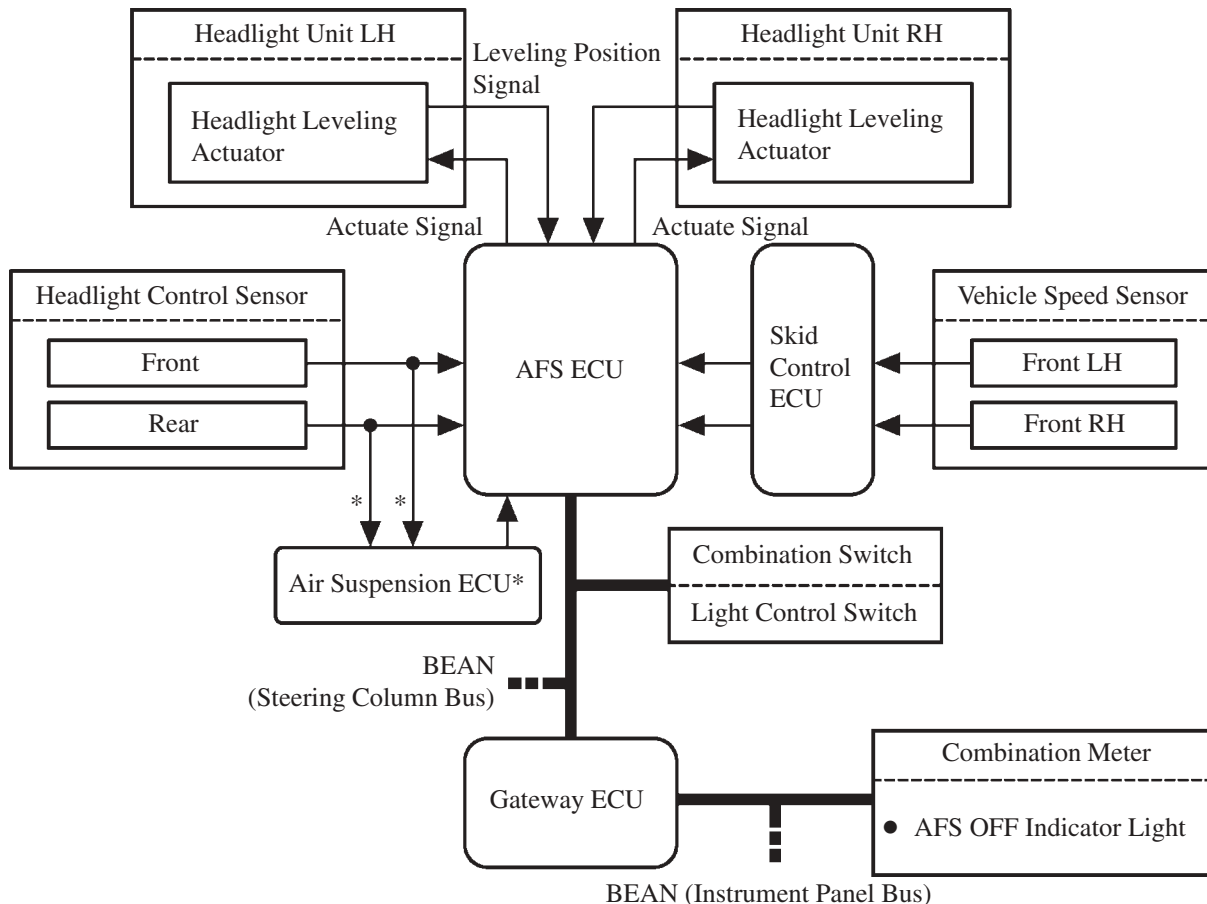
#### General

Along with the adoption of the intelligent AFS system, the automatic headlight beam level control system has been changed as follows. Basic operation remains the same.

Item	New LS430	Previous LS430
Automatic Headlight Beam Level Control	Projector headlight is driven up and down by actuator (step motor).	←
Vehicle Height Detection Sensor	Height Control Sensor (Front and Rear)	←
Control ECU	AFS ECU	Headlight Beam Leveling Control ECU
Operation in System Malfunction	<ul style="list-style-type: none"> <li>Flash the AFS OFF indicator light.</li> <li>System control in fail-safe mode.</li> <li>DTC (Diagnostic Trouble Codes) output.</li> </ul>	<ul style="list-style-type: none"> <li>Display the warning message on the multi-information display.</li> <li>System control in fail-safe mode.</li> </ul>

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#### ► System Diagram ◀



\*: with Air Suspension

**Fail-safe Function**

If the AFS ECU detects a malfunction in the automatic headlight beam level control system, the AFS ECU effects fail-safe control. At the same time, the AFS ECU blinks the AFS OFF indicator light in order to inform the driver. For details, [see page 122](#).

**Diagnosis**

When the AFS ECU detects a malfunction in the automatic headlight leveling system, the AFS ECU makes a DTC (Diagnostic Trouble Codes) of the malfunction is stored in memory. The DTC can be read by the use of the hand-held tester. For details, see the LEXUS LS430 Repair Manual Supplement (Pub. No. RM1049E).