

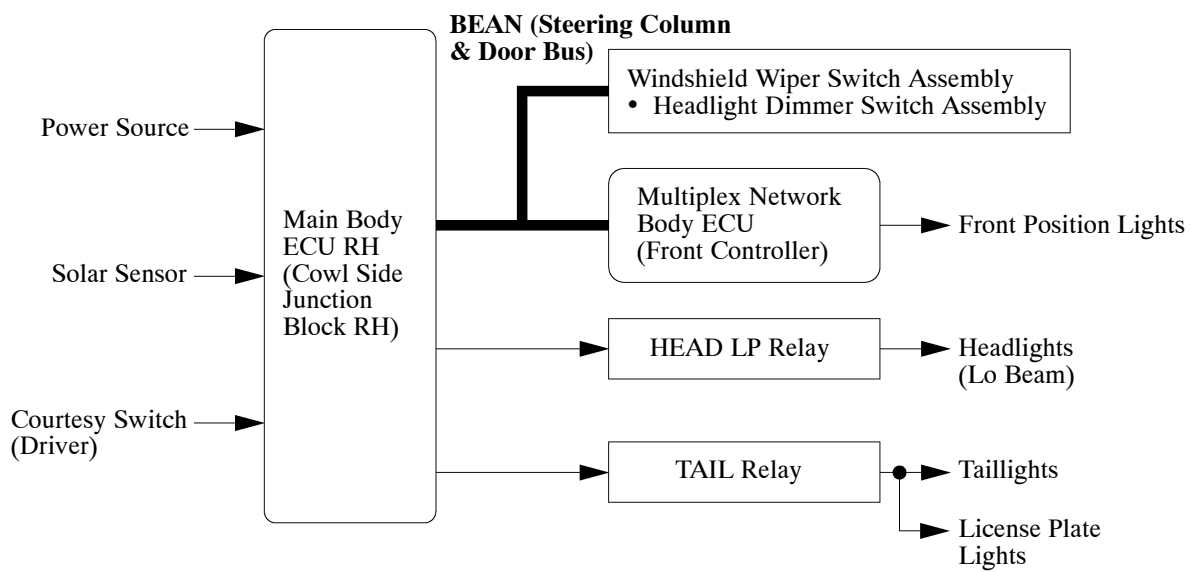
## ■ AUTOMATIC LIGHT CONTROL SYSTEM

### 1. General

When the headlight dimmer switch assembly is in the AUTO position, the automatic light control system detects ambient light levels and controls the headlights, front position lights, taillights, and license plate lights.

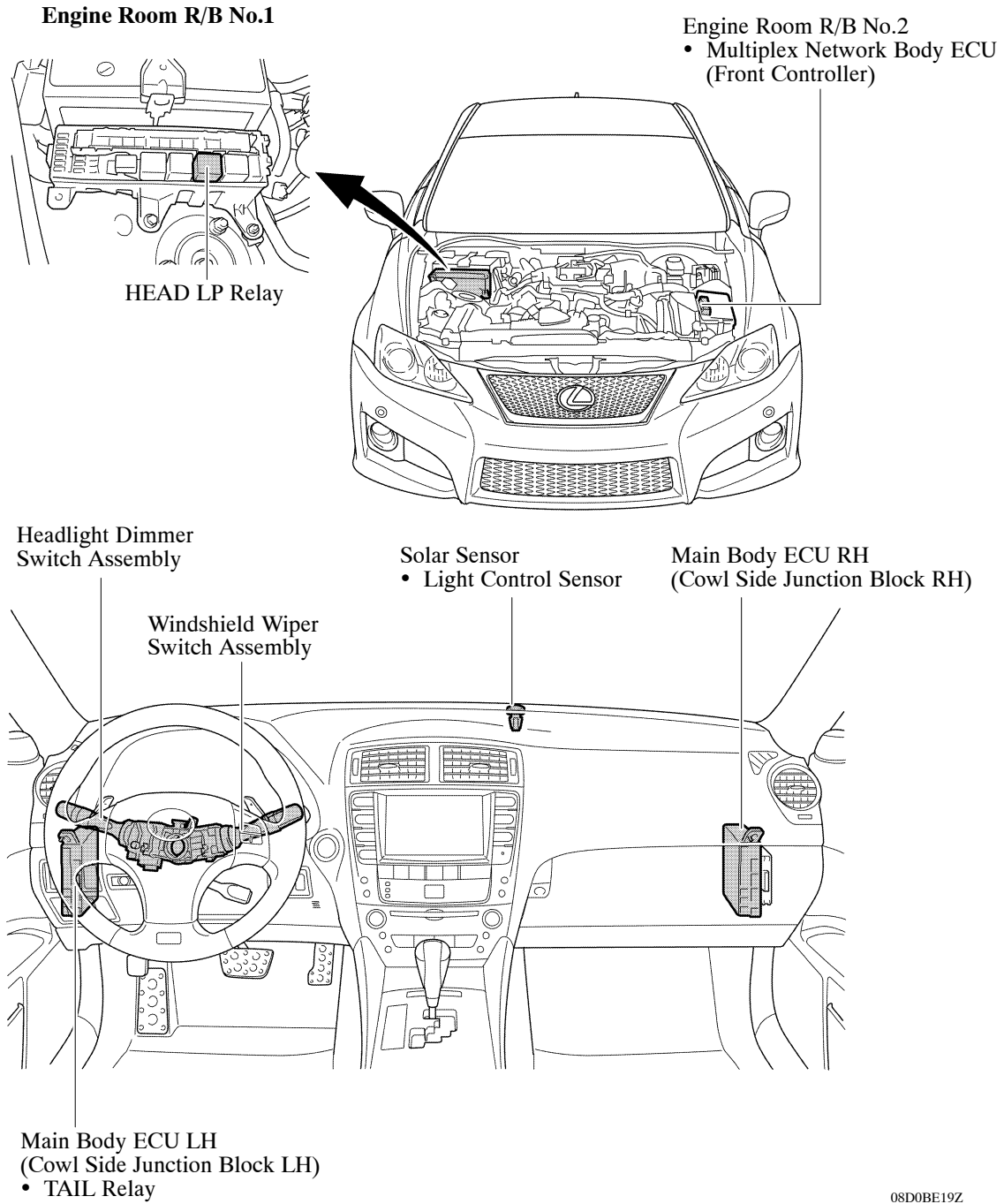
- The main body ECU RH (cowl side junction block RH) controls this system.
- Ambient light levels are detected by the light control sensor that is integrated in the air conditioning system solar sensor.

### ► System Diagram ◀



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## 2. Layout of Main Components



### 3. System Operation

Based on the “Ambient Light” and “Operation Condition”, the automatic light control system operates as follows:

Ambient Light	Operation Condition	Operation Light
Bright	<ul style="list-style-type: none"><li>• Headlight dimmer switch assembly is AUTO.</li><li>• Engine switch is on (IG).</li><li>• Driver door is closed.</li></ul>	None
Bright → Momentarily Dark		The following lights turn on: <ul style="list-style-type: none"><li>• Taillights</li><li>• Front Position Lights</li><li>• License Plate Lights</li></ul>
Dim		The following lights remain on: <ul style="list-style-type: none"><li>• Taillights</li><li>• Front Position Lights</li><li>• License Plate Lights</li><li>• Headlights (Lo beam)</li></ul>
Dark		
Dark → Momentarily Bright		
Dark	<ul style="list-style-type: none"><li>• Headlight dimmer switch assembly is AUTO.</li><li>• Engine switch is off.</li><li>• Driver door is closed.</li></ul>	Turn OFF
	<ul style="list-style-type: none"><li>• Headlight dimmer switch assembly is AUTO.</li><li>• Engine switch is off.</li><li>• Driver door is closed and then opened.</li></ul>	
		<ul style="list-style-type: none"><li>• Headlight dimmer switch assembly is AUTO.</li><li>• Engine switch is turned from off to on (IG).</li><li>• Driver door is closed.</li></ul>