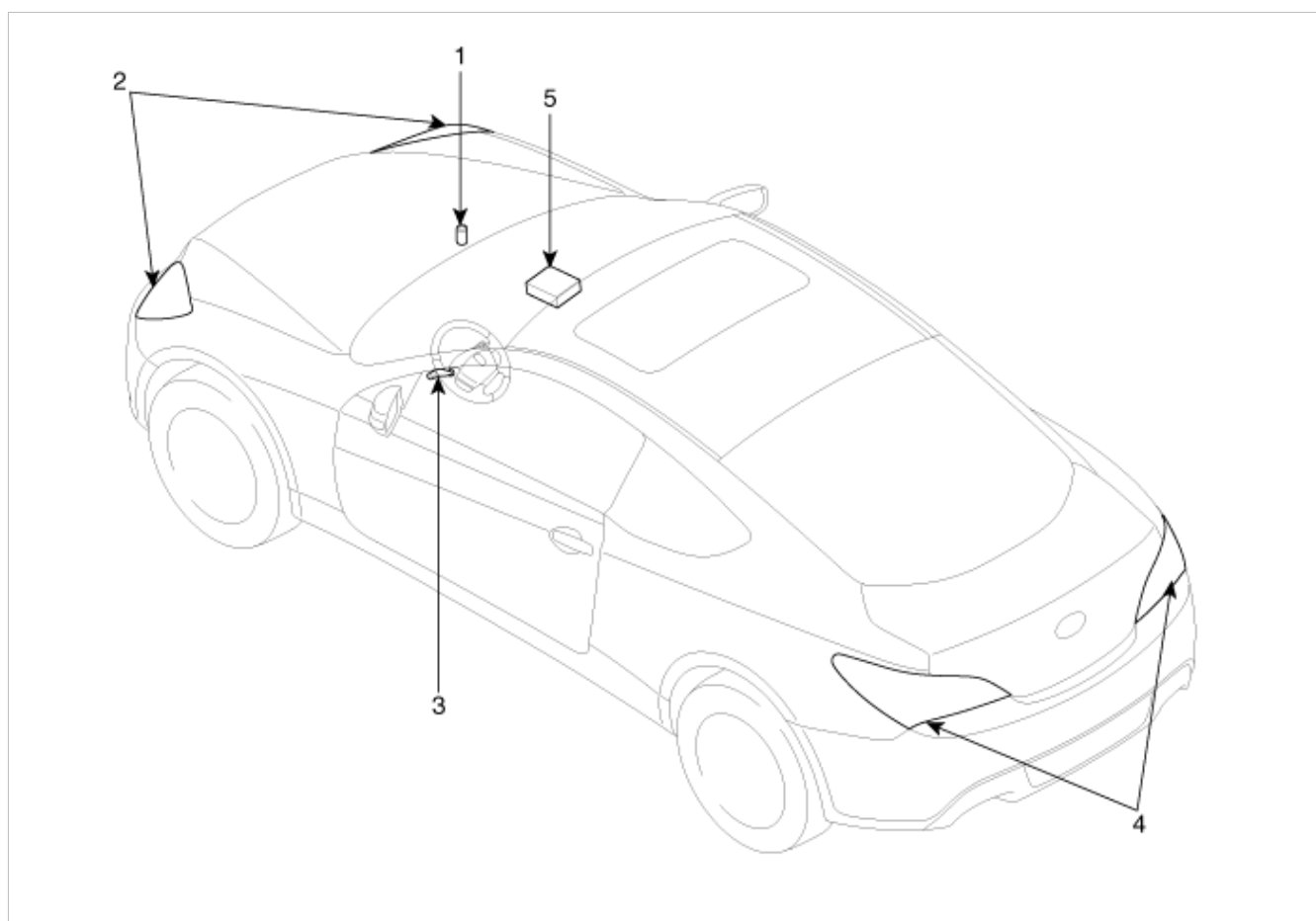


**GENESIS COUPE(BK) >2010 > G 2.0 DOHC > Body Electrical System > Auto Lighting Control System > Specifications**

**Specifications**

Items		Specifications
Rated voltage		5V
Load		Max. 1mA
Detection illuminations	Tail lamp	ON : $0.82 \pm 0.05V$ OFF : $1.65 \pm 0.05V$
	Head lamp	ON : $0.82 \pm 0.05V$ OFF : $1.65 \pm 0.05V$

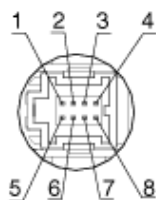
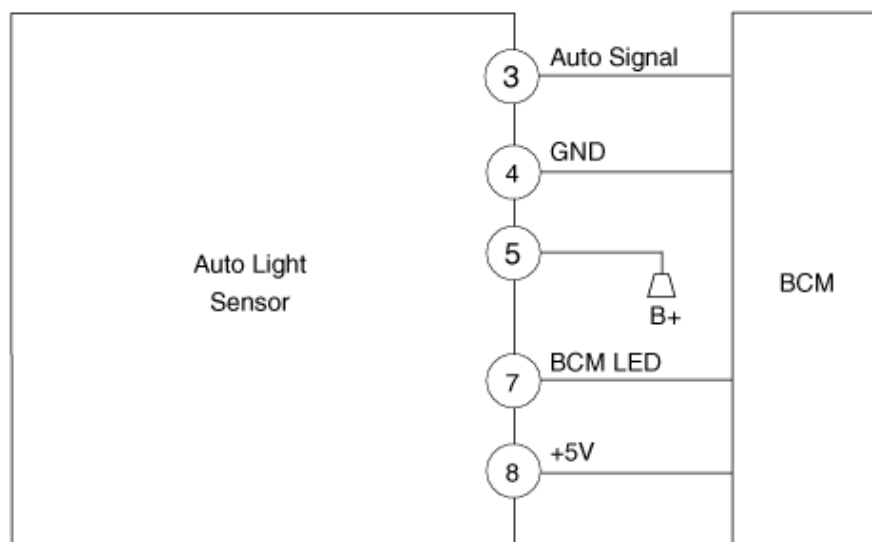
## Component Location



- 1. Auto light sensor
- 2. Head lamps
- 3. Lighting switch (Auto)

- 4. Tail lamps
- 5. Body control module (BCM)

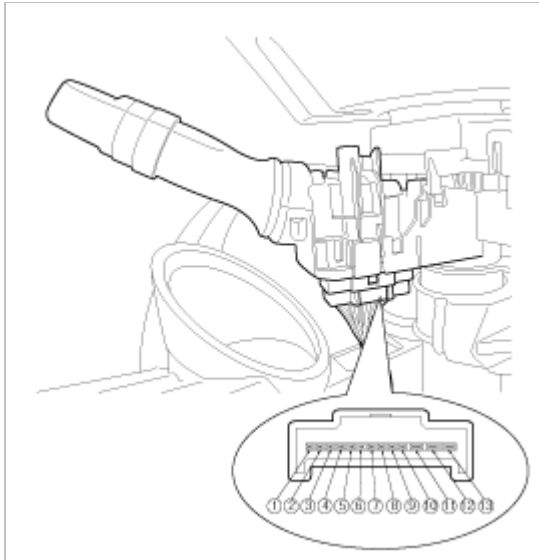
### Circuit Diagram



[ Auto Light Unit Side Connector ]

## Inspection

Operate the auto light switch, then check for continuity between terminals of multi-function switch connector.



Terminal Position	1	4	3	2
OFF				
I	○	—————		○
II	○	○	—————	○
AUTO			○	○

## Inspection

In the state of IGN1 ON, when multi function switch module detects auto light switch on, tail lamp relay output and head lamp low relay output are controlled according to auto light sensor's input.

The auto light control doesn't work if the pin sunlight supply (5V regulated power from Ignition 1 power to sunlight sensor) is in short circuit with the ground.

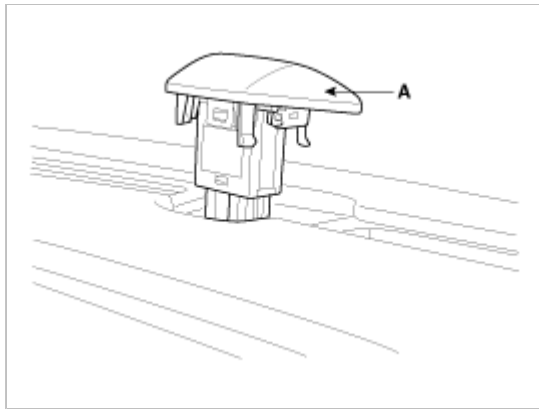
If IGN1 ON, The BCM monitors the range of this supply and raises up a failure as soon as the supply's voltage is out of range. Then this failure occurs and as long as this is present, the head lamp must be turned on without taking care about the sunlight level provided by the sensor.

This is designed to prevent any head lamp cut off when the failure occurs during the night.

	Tail lamp	Head lamp
ON	$0.82 \pm 0.05V$	$0.82 \pm 0.05V$
OFF	$1.65 \pm 0.05V$	$1.65 \pm 0.05V$

## Removal

1. Disconnect the negative (-) battery terminal.
2. Remove the photo & auto light sensor(A) from crash pad upper side by using screw (-) driver.



3. Remove the auto light connector.

## Installation

1. Reconnect the auto light connector.
2. Install the auto light sensor.