| | | |
|---|---|---|
| **Last Modified:** 03-12-2013 | 6.4 F | **Doc ID:** NM1000000005IIL |
| **Model Year:** 2013 | **Model:** RAV4 | **Prod Date Range:** [12/2012 - ] |
| **Title:** HEATING / AIR CONDITIONING: AIR CONDITIONING SYSTEM: SOLAR SENSOR; 2013 MY RAV4 [12/2012 - ] | | |

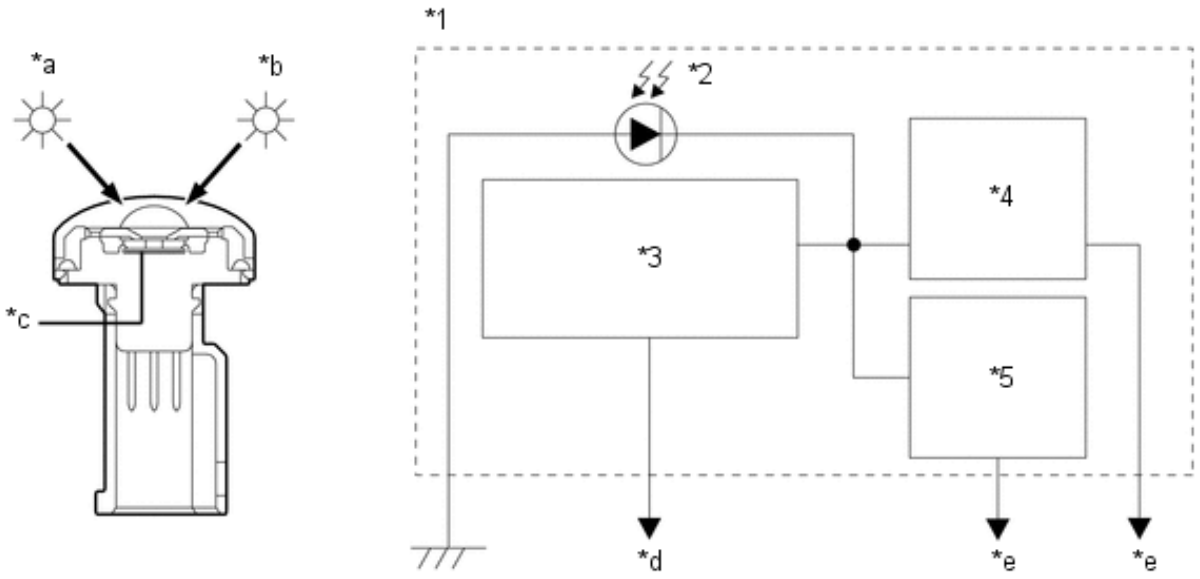
# SOLAR SENSOR

## 1. CONSTRUCTION

(a) On models with automatic air conditioning system, a solar sensor (automatic light control sensor) is provided.

(b) The solar sensor (automatic light control sensor) consists of a photo diode, 2 amplifier circuits for the solar sensor (automatic light control sensor) and a frequency converter circuit for the light control sensor.

(c) The solar sensor (automatic light control sensor) detects (in the form of changes in the current that flows through the built-in photo diode) the changes in the amount of sunlight from its LH and RH sides (2 directions) and outputs these sunlight strength signals to the air conditioning amplifier assembly.




| | | | |
|---|---|---|---|
| *1 | Solar Sensor (Automatic Light Control Sensor) | *2 | Photo Diode |
| *3 | Frequency Conversion Circuit | *4 | Amplifier Circuit LH |
| *5 | Amplifier Circuit RH | - | - |
| *a | Left Side | *b | Right Side |
| *c | Sensor Portion | *d | To Main Body ECU (Multiplex Network Body ECU) |
| *e | To Air Conditioning Amplifier Assembly | - | - |