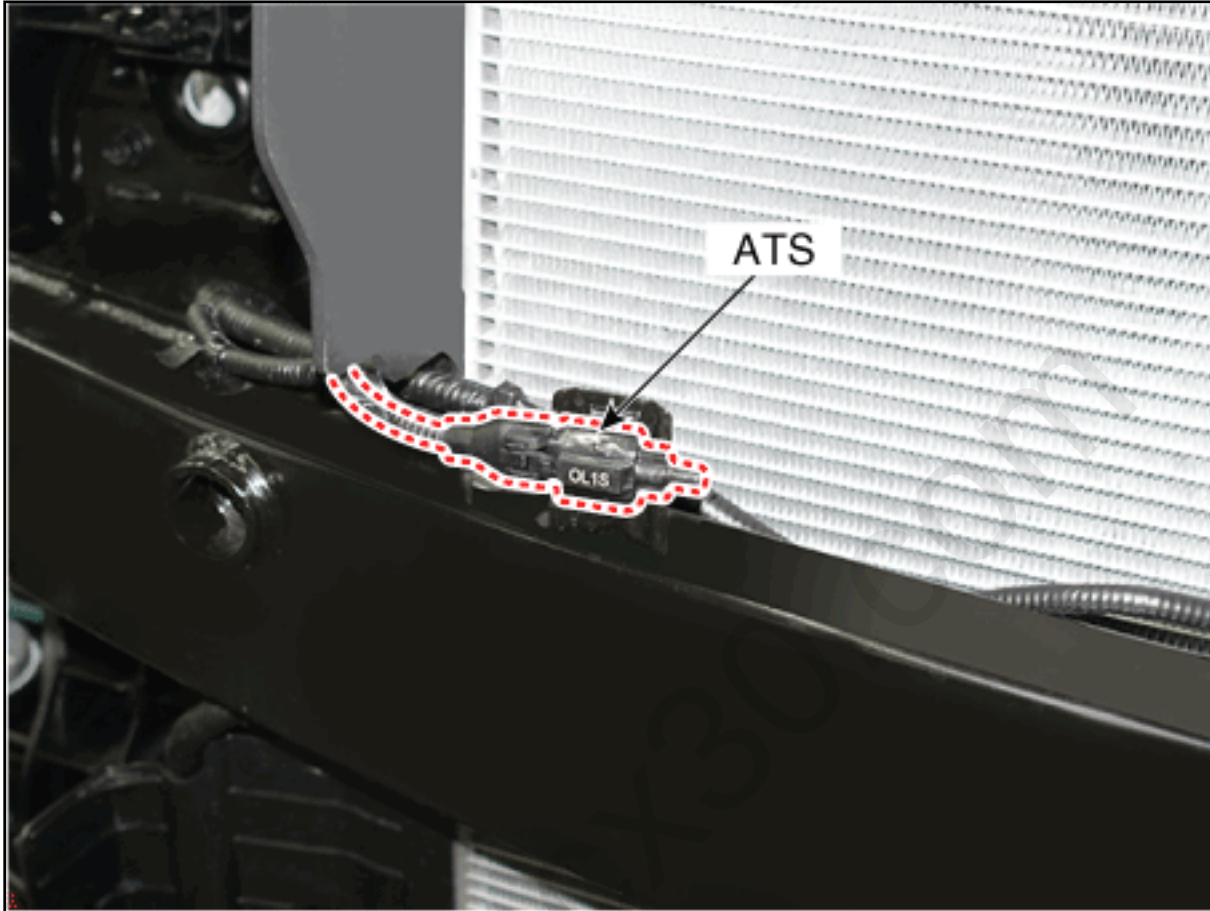


## Description

Ambient Temperature Sensor (ATS) is installed on the front-end module and senses the ambient temperature.

This sensor is exposed to the ambient air temperature in front of the radiator.

The ATS is a Negative Temperature Coefficient (NTC)-type sensor and its resistance is in inverse proportion to the temperature.



Specification

| Temperature [°C (°F)] | Resistance (kΩ) |
|-----------------------|-----------------|
| -40 (-40)             | 841.2 - 1019.3  |
| -20 (-4)              | 263.8 - 306.5   |
| 0 (32)                | 92.4 - 102.8    |
| 10 (50)               | 57.0 - 62.2     |
| 20 (68)               | 36.2 - 38.8     |
| 40 (104)              | 15.3 - 16.7     |
| 50 (122)              | 10.3 - 11.4     |
| 60 (140)              | 7.1 - 8.0       |
| 80 (176)              | 3.5 - 4.0       |

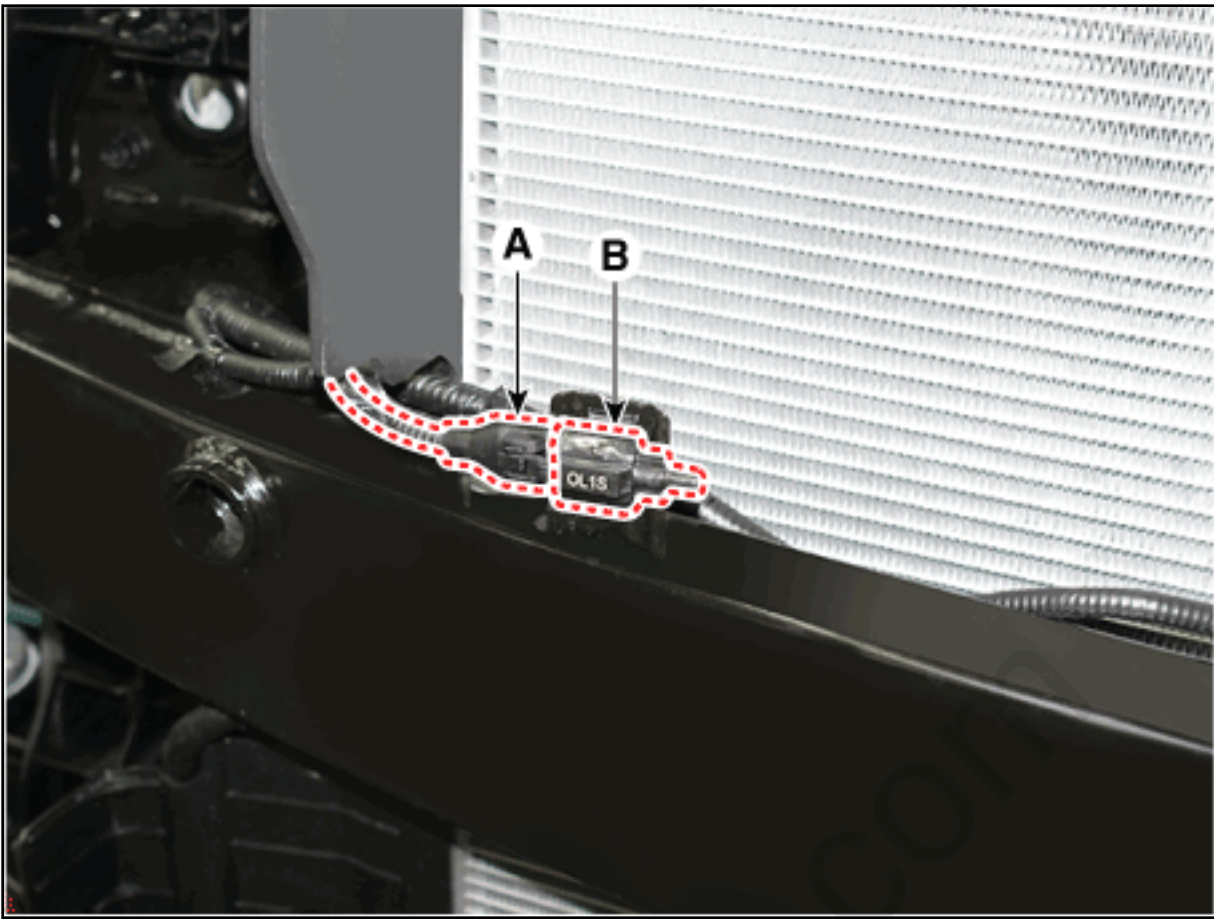
## Inspection

1. Turn the ignition switch OFF.
2. Disconnect the ATS connector.
3. Measure resistance between the ATS terminals 1 and 2.
4. Check that the resistance is within the specification.

| Temperature [°C (°F)] | Resistance (k $\Omega$ ) |
|-----------------------|--------------------------|
| -40 (-40)             | 841.2 - 1019.3           |
| -20 (-4)              | 263.8 - 306.5            |
| 0 (32)                | 92.4 - 102.8             |
| 10 (50)               | 57.0 - 62.2              |
| 20 (68)               | 36.2 - 38.8              |
| 40 (104)              | 15.3 - 16.7              |
| 50 (122)              | 10.3 - 11.4              |
| 60 (140)              | 7.1 - 8.0                |
| 80 (176)              | 3.5 - 4.0                |

## Removal

1. Turn the ignition switch OFF and disconnect the battery negative (-) cable.
2. Remove the front bumper assembly.  
**(Refer to Body (Interior nad Exterior) - "Front Bumper Assembly")**
3. Disconnect the connector (A), and then remove the ambient temperature sensor (B).



## Installation



- Note that internal damage may occur when the component is dropped. In this case, use it after inspecting.

1. Install in the reverse order of removal.