INTELLIGENT CRUISE CONTROL INOPERATIVE AND AEB/FEB WARNING LIGHT ON OR RADAR OBSTRUCTION MESSAGE DISPLAYED WITH DTC C1A16

This bulletin has been amended. See AMENDMENT HISTORY on the last page. Please discard previous versions of this bulletin.

APPLIED VEHICLES: All Nissan vehicles equipped with ICC distance sensor (Special repair procedure for vehicles in Table A)
APPLIED SYSTEM: Intelligent Cruise Control (ICC) or Automatic Emergency Braking (AEB) or Forward Emergency Braking (FEB)

IF YOU CONFIRM
The customer states that the ICC stopped working while driving,
OR
The customer states that the AEB/FEB warning light is on, or turned on, while driving (see Figure 1),
OR
The message “Unavailable Front Radar Obstruction” was displayed while driving (see Figure 1).
AND
DTC C1A16 or C1A16-97 is the ONLY DTC stored.

ACTION
Refer to the Flow Chart on the next page.
Flow Chart

Is DTC C1A16 or C1A16-97 the **ONLY** DTC stored?

- **YES**
  - Are there any obstructions in front of the ICC distance sensor on the bumper fascia, or on the sensor itself? (Bugs, dirt, mud, slush, ice, etc.)
    - **YES**
      - Remove obstructions
    - **NO**
  - Is the vehicle listed in Table A on page 3?
    - **YES**
      - Does the incident **ONLY** occur during bad weather or when the distance sensor is obstructed? (Rain, sleet, snow, slush, etc.)
        - **YES**
          - **Do not immediately replace the distance sensor.** Refer to the Electronic Service Manual (ESM) for further diagnostic information.
        - **NO**
      - Does the incident occur repeatedly (multiple times during multiple trips)?
        - **YES**
            - **YES**
              - Replace the ICC distance sensor.
            - **NO**
      - **NO**

- **NO**

This bulletin does not apply.

- **Do not immediately replace the distance sensor.** Refer to the Electronic Service Manual (ESM) for further diagnostic information.

- **Do not immediately replace the distance sensor.** Reassemble the vehicle and refer to the Electronic Service Manual (ESM) for further diagnostic information.

- Perform ICC distance sensor alignment. Refer to the ESM for alignment procedure.
SERVICE PROCEDURE

1. Is DTC C1A16 or C1A16-97 the **ONLY** DTC stored?
   - **YES:** Continue to step 2.
   - **NO:** This bulletin does not apply. **Do not immediately replace the distance sensor.** Refer to the ESM for further diagnostic information.

2. Are there any obstructions in front of the ICC distance sensor?
   **NOTE:** This can include, but is not limited to, bugs, dirt, mud, slush, ice, etc.
   - **YES:** Remove the obstruction and then proceed to step 3.
   - **NO:** Proceed to step 3.

3. Is the vehicle listed in Table A?
   - **YES:** Continue to step 4.
   - **NO:** This bulletin does not apply. **Do not immediately replace the distance sensor.** Refer to the ESM for further diagnostic information.

   **Table A**
   
<table>
<thead>
<tr>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016-2018 Maxima</td>
</tr>
<tr>
<td>2016-2018 Altima</td>
</tr>
<tr>
<td>2016-2019 Sentra built before 12/2018</td>
</tr>
<tr>
<td>2015-2018 Murano</td>
</tr>
<tr>
<td>2016-2017 Murano Hybrid</td>
</tr>
<tr>
<td>2017-2019 Pathfinder built before 11/2018</td>
</tr>
<tr>
<td>2018 Kicks</td>
</tr>
</tbody>
</table>

4. Does the incident **ONLY** occur during bad weather?
   **NOTE:** This can include, but is not limited to, rain, sleet, snow, slush, etc.
   - **YES:** This bulletin does not apply. **Do not immediately replace the distance sensor.** Refer to the ESM for further diagnostic information.
   - **NO:** Proceed to step 5.

5. Does the incident occur repeatedly (multiple times during multiple trips)?
   - **YES:** Proceed to step 6.
   - **NO:** This bulletin does not apply. **Do not immediately replace the distance sensor.** Refer to the ESM for further diagnostic information.
6. Locate and then write down the ICC distance sensor manufacturing date code (see Figure 2).

**NOTE:** In some cases the ICC distance sensor may need to be removed from the vehicle to see the date code. If so, refer to ESM for ICC distance sensor removal: CRUISE CONTROL & DRIVER ASSISTANCE > DRIVER ASSISTANCE SYSTEM > DRIVER ASSISTANCE SYSTEM > REMOVAL AND INSTALLATION > ICC SENSOR (or DISTANCE SENSOR).

**Decoding date code:**

- The date code will be displayed as **DD.MM.YYYY** on the back side of the ICC distance sensor.
- A date code of **01.09.2018** translates to the 1\(^{st}\) day of the 9\(^{th}\) month of 2018, or September 1, 2018

![Back side of ICC distance sensor](image)

**Figure 2**

7. Is the date of manufacture on the ICC distance sensor before **01.09.2018**?

- **YES:** Proceed to step 8.
- **NO:** Re-install the ICC distance sensor in the reverse order of disassembly, and then proceed to step 9.

**IMPORTANT:** The nuts and bolts of the ICC distance sensor, and its bracket, must be torqued in a specific sequence.

- Refer to the ESM for ICC distance sensor installation: CRUISE CONTROL & DRIVER ASSISTANCE > DRIVER ASSISTANCE SYSTEM > DRIVER ASSISTANCE SYSTEM > REMOVAL AND INSTALLATION > ICC SENSOR (or DISTANCE SENSOR).
8. Install a new ICC distance sensor from **PARTS INFORMATION** on page 5.  

**IMPORTANT:** The nuts and bolts of the ICC distance sensor, and its bracket, must be torqued in a specific sequence.

- Refer to the ESM for ICC distance sensor installation: **CRUISE CONTROL & DRIVER ASSISTANCE > DRIVER ASSISTANCE SYSTEM > DRIVER ASSISTANCE SYSTEM > REMOVAL AND INSTALLATION > ICC SENSOR (or DISTANCE SENSOR).**


- Refer to the ESM for distance sensor alignment: **BRAKES > BRAKE CONTROL SYSTEM > AUTOMATIC EMERGENCY BRAKING > BASIC INSPECTION > ADDITIONAL SERVICE WHEN REPLACING ICC SENSOR (or DISTANCE SENSOR).**

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**PARTS INFORMATION**

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>PART NUMBER</th>
<th>QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>SENSOR UNIT-DISTANCE (ICC Distance Sensor)</td>
<td>(1)</td>
<td>1</td>
</tr>
</tbody>
</table>

(1) Refer to the Electronic Parts Catalog (EPC) for the correct part number.

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**CLAIMS INFORMATION**

Submit a Primary Part (PP) type line claim using the following claims coding:

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>PFP</th>
<th>OP CODE</th>
<th>SYM</th>
<th>DIA</th>
<th>FRT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Replace SENSOR UNIT-DISTANCE (ICC Distance Sensor)</td>
<td>(1)</td>
<td>RD45AA</td>
<td>HC</td>
<td>32</td>
<td>(2)</td>
</tr>
</tbody>
</table>

(1) Reference the Electronic Parts Catalog (EPC) and use the Distance Sensor as the Primary Failed Part (PFP).

(2) Reference the current Nissan Warranty Flat Rate Manual and use the indicated Flat Rate Time (FRT).

**NOTE:** FRT includes all wheel alignment; no other alignment op code is required. **DO NOT** claim the alignment op code with this claim.

CLAIMS INFORMATION continues on page 6.
Submit a Primary Part (PP) type line claim using the following claims coding:

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>MODEL</th>
<th>PFP</th>
<th>OP CODE</th>
<th>SYM</th>
<th>DIA</th>
<th>FRT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remove and reinstall original sensor (ICC Distance Sensor)</td>
<td>Maxima with AVM 2016-2018</td>
<td>(1)</td>
<td>RX8EAA</td>
<td>HC</td>
<td>32</td>
<td>2.9</td>
</tr>
<tr>
<td></td>
<td>Pathfinder with AVM 2017-2019 built before 11/2018</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>Maxima without AVM 2016-2018</td>
<td></td>
<td>RX8DAA</td>
<td>HC</td>
<td>32</td>
<td>2.5</td>
</tr>
<tr>
<td></td>
<td>Pathfinder without AVM 2017-2019 built before 11/2018</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2.6</td>
</tr>
<tr>
<td></td>
<td>Sentra built before 12/2018</td>
<td>(1)</td>
<td></td>
<td></td>
<td></td>
<td>2.4</td>
</tr>
<tr>
<td></td>
<td>Altima 2016-2018</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2.9</td>
</tr>
<tr>
<td></td>
<td>Kicks 2018</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2.0</td>
</tr>
<tr>
<td></td>
<td>Murano 2015-2018 including Murano Hybrid 2016-2017</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2.6</td>
</tr>
</tbody>
</table>

(1) Reference the Electronic Parts Catalog (EPC) and use the Distance Sensor as the Primary Failed Part (PFP).
(2) Reference the current Nissan Warranty Flat Rate Manual and use the indicated Flat Rate Time (FRT).

NOTE: FRT includes all wheel alignment; no other alignment op code is required. **DO NOT** claim the alignment op code with this claim.

**AMENDMENT HISTORY**

<table>
<thead>
<tr>
<th>PUBLISHED DATE</th>
<th>REFERENCE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>April 15, 2019</td>
<td>NTB19-033</td>
<td>Original bulletin published</td>
</tr>
<tr>
<td>August 13, 2020</td>
<td>NTB19-033a</td>
<td>Latest models and model years applied, and CLAIMS INFORMATION revised.</td>
</tr>
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</table>