



# SERVICE BULLETIN

Classification: EL19-005a	Reference: NTB19-033a	Date: August 13, 2020
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## 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.

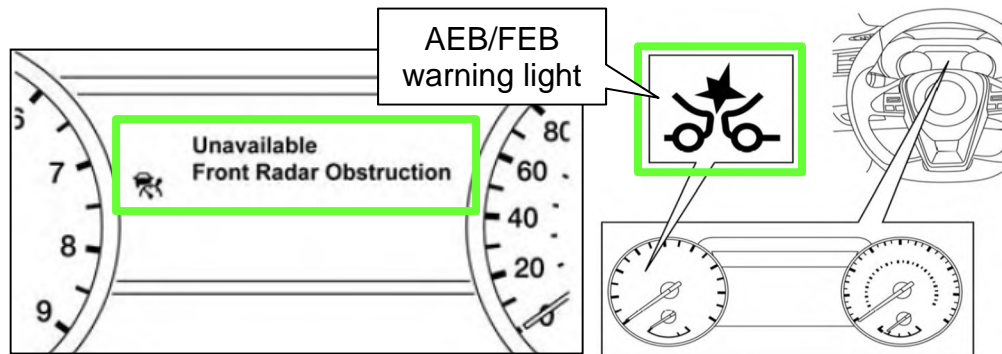


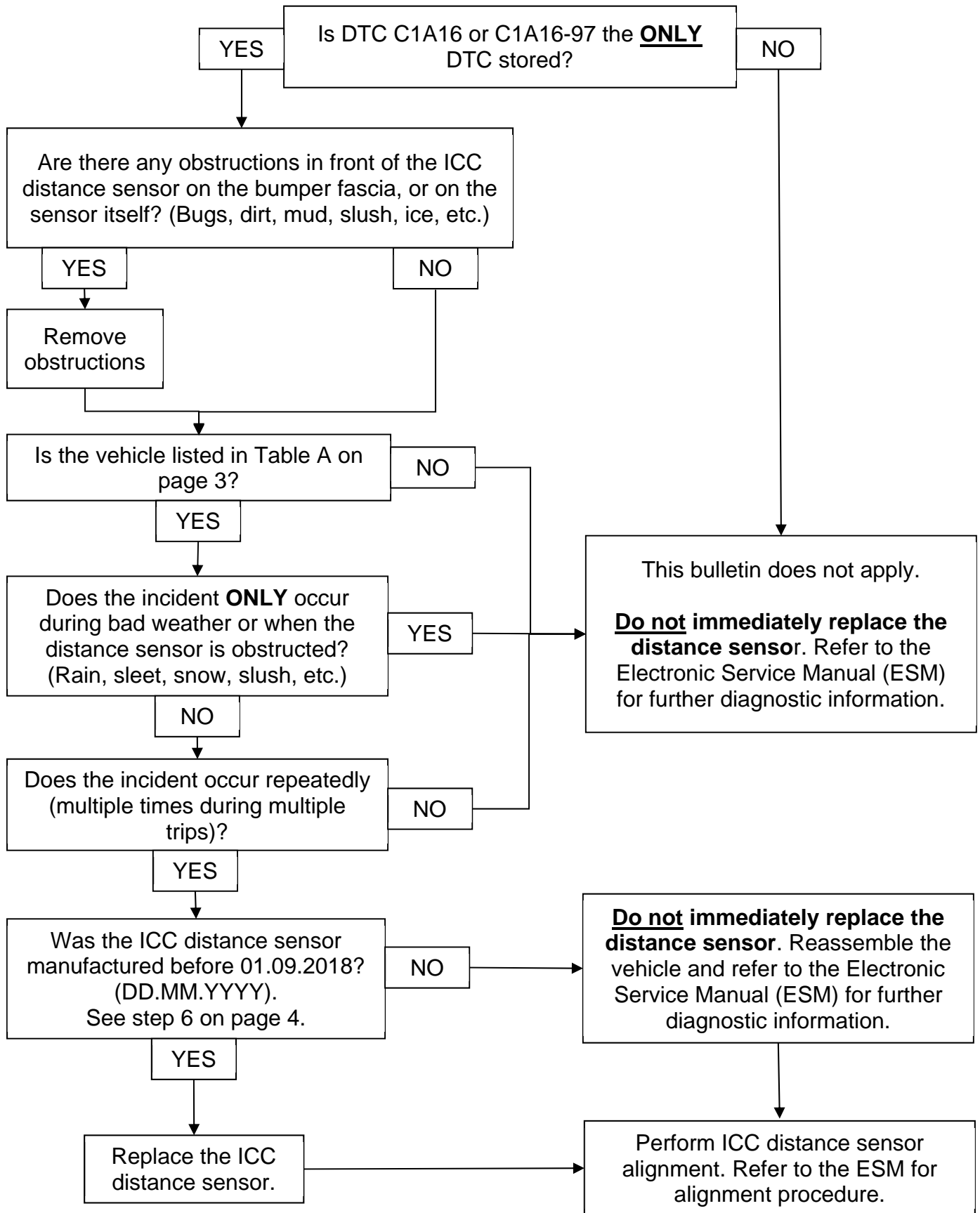
Figure 1

### ACTION

Refer to the Flow Chart on the next page.

Nissan Bulletins are intended for use by qualified technicians, not 'do-it-yourselfers'. Qualified technicians are properly trained individuals who have the equipment, tools, safety instruction, and know-how to do a job properly and safely. NOTE: If you believe that a described condition may apply to a particular vehicle, DO NOT assume that it does. See your Nissan dealer to determine if this applies to your vehicle.

## Flow Chart



## 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 are 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**

2016-2018 Maxima
2016-2018 Altima
2016-2019 Sentra built before 12/2018
2015-2018 Murano
2016-2017 Murano Hybrid
2017-2019 Pathfinder built before 11/2018
2018 Kicks

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<sup>st</sup>** day of the **9<sup>th</sup>** month of **2018**, or September 1, 2018

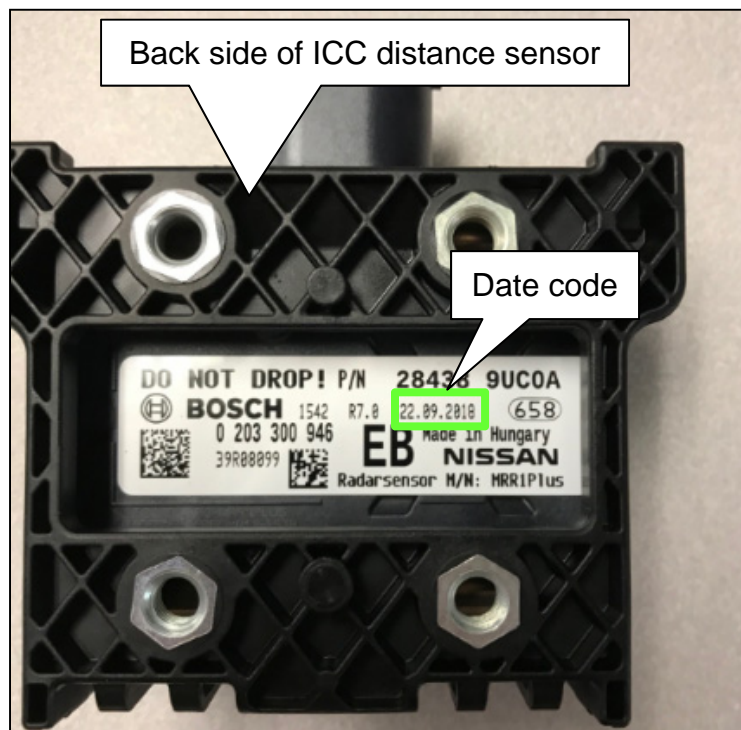


Figure 2

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).**

9. Perform distance sensor alignment.

- 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).**

## PARTS INFORMATION

DESCRIPTION	PART NUMBER	QUANTITY
SENSOR UNIT-DISTANCE (ICC Distance Sensor)	(1)	1

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

## CLAIMS INFORMATION

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

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
Replace SENSOR UNIT-DISTANCE (ICC Distance Sensor)	(1)	RD45AA	HC	32	(2)

- (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.

OR

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

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

- (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

PUBLISHED DATE	REFERENCE	DESCRIPTION
April 15, 2019	NTB19-033	Original bulletin published
August 13, 2020	NTB19-033a	Latest models and model years applied, and CLAIMS INFORMATION revised.