



CONTAINS CONFIDENTIAL BUSINESS INFORMATION

# PE24-017 Nissan Rogue Inadvertent Airbag Deployment

*Follow-up Questions from NHTSA*

Technical Compliance  
3/13/2025



# PE24-017 Follow-up

## Information Requested:

### QUESTIONS/REQUESTS FROM ODI TO NISSAN ON DECEMBER 5, 2024:

1. How do the sensors work with the airbag control module to make the decision to inflate the airbag?
2. What are the deployment thresholds for side impact and rollovers?
3. Is the Satellite Sensor RH (B30 on page 4 of file CONFIDENTIAL BUSINESS INFORMATION\_Body Harness Diagrams) the sensor that triggers the DTC B1422 Side Collision Detection?
4. What criteria must be met to trigger DTC B1422?
5. What sensors send the signal that DTC B1422 criteria have been met?
6. What root failure can cause an inadvertent airbag deployment in the subject vehicles?
7. With the subject vehicles, what is the most common root cause of the airbag deployments?
8. In Recall 17V-144, dissimilar metals were used in the side air bag sensor connector harness (gold "female" connector and tin "male" connector), resulting in curtain and seat-mounted side airbags and seat belt pretensioners to deploy inadvertently. What metals are used in the subject and peer vehicle airbag sensor connector harness?
9. What are the RSAB, LSAB, RCAB, LCAB part numbers in the production table for? Air bag cushion, airbag module, etc.?
10. The Q15 IR response says that airbags require the ignition to be 'on' to deploy, but there are reports of airbags deploying with the key out. How is this possible?



# PE24-017 Follow-up

Information Requested:

## QUESTIONS/REQUESTS FROM ODI TO NISSAN ON DECEMBER 5, 2024:

- 1) How do the sensors work with the airbag control module to make the decision to inflate the airbag?

### Nissan's Response:

See the attached Electronic Service Manual that describes the details of the airbag system operation:

"2015 Rogue Select ESM - SRS AIRBAG CONTROL SYSTEM - SYSTEM DESCRIPTION.pdf"

# PE24-017 Follow-up

Information Requested:

CONFIDENTIAL BUSINESS INFORMATION



## QUESTIONS/REQUESTS FROM ODI TO NISSAN ON DECEMBER 5, 2024:

2) What are the deployment thresholds for side impact and rollovers?

**CONFIDENTIAL BUSINESS INFORMATION**

# PE24-017 Follow-up

Information Requested:

CONFIDENTIAL BUSINESS INFORMATION



## QUESTIONS/REQUESTS FROM ODI TO NISSAN ON DECEMBER 5, 2024:

3) Is the Satellite Sensor RH (B30 on page 4 of file CONFIDENTIAL BUSINESS INFORMATION\_Body Harness Diagrams) the sensor that triggers the DTC B1422 Side Collision Detection?

### Nissan's Response:

**CONFIDENTIAL BUSINESS INFORMATION**

# PE24-017 Follow-up

Information Requested:

CONFIDENTIAL BUSINESS INFORMATION



## QUESTIONS/REQUESTS FROM ODI TO NISSAN ON DECEMBER 5, 2024:

4) What criteria must be met to trigger DTC B1422?

Nissan's Response:

CONFIDENTIAL BUSINESS INFORMATION

# PE24-017 Follow-up

Information Requested:

**QUESTIONS/REQUESTS FROM ODI TO NISSAN ON DECEMBER 5, 2024:**

5) What sensors send the signal that DTC B1422 criteria have been met?

**CONFIDENTIAL BUSINESS INFORMATION**

CONFIDENTIAL BUSINESS INFORMATION



# PE24-017 Follow-up

CONFIDENTIAL BUSINESS INFORMATION



Information Requested:

## QUESTIONS/REQUESTS FROM ODI TO NISSAN ON DECEMBER 5, 2024:

6) What root failure can cause an inadvertent airbag deployment in the subject vehicles?

Nissan's Response:

**CONFIDENTIAL BUSINESS INFORMATION**

# PE24-017 Follow-up

Information Requested:

CONFIDENTIAL BUSINESS INFORMATION



## QUESTIONS/REQUESTS FROM ODI TO NISSAN ON DECEMBER 5, 2024:

7) With the subject vehicles, what is the most common root cause of the airbag deployments?

### **Nissan's Response:**

Below is a summary of the data provided in question 18 of the PF response

**CONFIDENTIAL BUSINESS INFORMATION**



# PE24-017 Follow-up

Information Requested:

**QUESTIONS/REQUESTS FROM ODI TO NISSAN ON DECEMBER 5, 2024:**

8) In Recall 17V-144, dissimilar metals were used in the side air bag sensor connector harness (gold "female" connector and tin "male" connector), resulting in curtain and seat-mounted side airbags and seat belt pretensioners to deploy inadvertently. What metals are used in the subject and peer vehicle airbag sensor connector harness?

**Nissan's Response:**

**CONFIDENTIAL BUSINESS INFORMATION**

# PE24-017 Follow-up

Information Requested:

CONFIDENTIAL BUSINESS INFORMATION



## QUESTIONS/REQUESTS FROM ODI TO NISSAN ON DECEMBER 5, 2024:

9) What are the RSAB, LSAB, RCAB, LCAB part numbers in the production table for? Air bag cushion, airbag module, etc.?

### Nissan's Response:

CONFIDENTIAL BUSINESS INFORMATION

# PE24-017 Follow-up

CONFIDENTIAL BUSINESS INFORMATION



Information Requested:

## QUESTIONS/REQUESTS FROM ODI TO NISSAN ON DECEMBER 5, 2024:

10)The Q15 IR response says that airbags require the ignition to be 'on' to deploy, but there are reports of airbags deploying with the key out. How is this possible?

### Nissan's Response:

**CONFIDENTIAL BUSINESS INFORMATION**