

# Part 573 Safety Recall Report

# 20V-438

**Manufacturer Name :** Honda (American Honda Motor Co.)**Submission Date :** JUL 28, 2020**NHTSA Recall No. :** 20V-438**Manufacturer Recall No. :** W83**Manufacturer Information :**

Manufacturer Name : Honda (American Honda Motor Co.)

Address : 1919 Torrance Blvd.

Torrance CA 90501

Company phone : 1-888-234-2138

**Population :**

Number of potentially involved : 212,068

Estimated percentage with defect : 100 %

**Vehicle Information :**

Vehicle 1 : 2019-2019 Honda Odyssey

Vehicle Type :

Body Style :

Power Train : NR

**Descriptive Information :** The recall population was determined based on manufacturing records. The manufacturing range reflects all possible vehicles that could potentially experience the problem. 2018MY Honda Odyssey vehicles equipped with the affected component are not included in the recall as these vehicles were not subject to the phase-in period requirements nor final requirements of FMVSS No. 111; Rear Visibility. Honda did not certify these vehicles for phase-in compliance, nor were they built on or after the date of May 1, 2018, when all FMVSS No. 111 requirements applied to all vehicles. Therefore, Honda will conduct a Product Update Campaign in September 2020 to notify owners of 2018MY Odyssey vehicles of the same free remedy as provided under this recall. Additionally, similar vehicles built on or after July 20, 2020 are not included in the recall, as these vehicles were installed with redesigned rearview cameras compliant with the requirements of FMVSS No. 111 as of that date. Similar vehicles built before July 20, 2020 that were within American Honda's control were remedied prior to dealer delivery. The number of affected units is 138,594.

Production Dates : APR 12, 2018 - AUG 13, 2019

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2020-2020 Honda Odyssey

Vehicle Type :

Body Style :

Power Train : NR

**Descriptive Information :** The recall population was determined based on manufacturing records. The manufacturing range reflects all possible vehicles that could potentially experience the problem. 2018MY Honda Odyssey vehicles equipped with the affected component are not included in the recall as these vehicles were not subject to the phase-in period requirements nor final requirements of FMVSS No. 111; Rear Visibility. Honda did not certify these vehicles for phase-in compliance, nor were they built on or after the date of May 1, 2018, when all FMVSS No. 111 requirements applied to all vehicles. Therefore, Honda will conduct a Product Update Campaign in September 2020 to notify owners of 2018MY Odyssey vehicles of the same free remedy as provided under this recall. Additionally, similar vehicles built on or after July 20, 2020 are not included in the recall, as these vehicles were installed with redesigned rearview cameras compliant with the requirements of FMVSS No. 111 as of that date. Similar vehicles built before July 20, 2020 that were within American Honda's control were remedied prior to dealer delivery. The number of affected units is 73,474.

**Production Dates :** SEP 11, 2018 - JUL 16, 2020

**VIN Range 1 : Begin :**

NR

**End :** NR

Not sequential

## Description of Noncompliance :

**Description of the Noncompliance :** The rearview camera may not comply with the requirements of FMVSS No. 111 in certain scenarios.

- 1) Moisture entering through the rearview camera mounting holes can promote fracturing in the housing originally formed during the production process. Once the housing wall separates from the accelerated fracturing, moisture may enter the camera lens and distort the rearview image, or corrode the camera circuit board, resulting in an inoperative rearview camera.
- 2) The rearview camera has multiple viewing modes (wide, normal, and top-down view). If the view mode is set to top-down view, or switched from top-down view to another mode, and the rearview camera is activated in high ambient light environments, the resulting shutter speed that determines image brightness exceeds operating parameters, preventing the image from displaying.

**FMVSS 1 :** 111 - Rearview mirrors

**FMVSS 2 :** NR

**Description of the Safety Risk :** A distorted or inoperative rearview camera display can reduce the driver's view of what is behind the vehicle, increasing the risk of a crash.

**Description of the Cause :** NR

**Identification of Any Warning that can Occur :** NR

## Involved Components :

Component Name 1 : Camera Assy, Rearview

Component Description : Odyssey

Component Part Number : 39530-THR-A21

## Supplier Identification :

### Component Manufacturer

Name : Magna Electronics, Inc.

Address : 10345 North Holly Road  
Holly MICHIGAN 48442

Country : United States

## Chronology :

October 2018

Honda launched an investigation into rearview camera failure.

April 2019 – July 2019

In consultation with the rearview camera supplier, the investigation confirmed moisture intrusion through micro fractures in the rearview camera's mounting holes resulted in failure. Root cause analysis continues.

August 2019

Cross-company development teams shared information regarding a programming error in the rearview camera circuit, which could prevent the image from displaying when operated under specific conditions (top-view mode in high ambient light environments).

May 2020

The investigation into the moisture intrusion phenomenon confirmed that improper design specification was the root cause.

July 21, 2020

Honda determined that FMVSS noncompliance existed and decided to conduct a noncompliance recall.

## Description of Remedy :

Description of Remedy Program : Registered owners of all affected vehicles will be contacted by mail and asked to take their vehicle to an authorized Honda dealer. The dealer will replace the rearview camera with a redesigned camera for free. Because the new vehicle limited warranty on all affected vehicles would have provided a free repair for the problem addressed by this recall, without any payment by the owner, reimbursement for pre-notification repairs will not be offered.

How Remedy Component Differs from Recalled Component : NR

Identify How/When Recall Condition was Corrected in Production : NR

## Recall Schedule :

Description of Recall Schedule : Dealer notification is expected to begin on or about July 29, 2020. Owner notification is expected to begin on or about September 23, 2020.

Planned Dealer Notification Date : JUL 29, 2020 - NR

Planned Owner Notification Date : SEP 23, 2020 - NR

\* NR - Not Reported