

Part 573 Safety Recall Report

18V-777

Manufacturer Name : Honda (American Honda Motor Co.)**Submission Date :** NOV 16, 2018**NHTSA Recall No. :** 18V-777**Manufacturer Recall No. :** C31, Z3B**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 : 64,785

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2017-2017 Acura MDX

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The recall population was determined based on manufacturing and warranty records. The production range reflects all possible vehicles that could potentially experience the problem.

Supplier manufacturing records identified a specific production period of rear brake calipers affected by the improper manufacturing process and were correlated with vehicle manufacturing records to identify the affected vehicle range. The same methodology was applied to warranty records to identify affected vehicles equipped with suspect replacement service parts. Similar vehicles not included in the recall were assembled with rear brake calipers manufactured outside of the suspect production period and were not identified by warranty records as receiving a suspect replacement service part.

Number of affected units is 22

Production Dates : JUN 22, 2016 - JUL 28, 2017

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2018-2018 Acura MDX

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The recall population was determined based on manufacturing and warranty records. The production range reflects all possible vehicles that could potentially experience the problem.

Supplier manufacturing records identified a specific production period of rear brake

calipers affected by the improper manufacturing process and were correlated with vehicle manufacturing records to identify the affected vehicle range. The same methodology was applied to warranty records to identify affected vehicles equipped with suspect replacement service parts. Similar vehicles not included in the recall were assembled with rear brake calipers manufactured outside of the suspect production period and were not identified by warranty records as receiving a suspect replacement service part.

The number of affected units is 16,398.

Production Dates : MAR 22, 2018 - AUG 02, 2018

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 3 : 2019-2019 Acura MDX

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The recall population was determined based on manufacturing and warranty records. The production range reflects all possible vehicles that could potentially experience the problem.

Supplier manufacturing records identified a specific production period of rear brake calipers affected by the improper manufacturing process and were correlated with vehicle manufacturing records to identify the affected vehicle range. The same methodology was applied to warranty records to identify affected vehicles equipped with suspect replacement service parts. Similar vehicles not included in the recall were assembled with rear brake calipers manufactured outside of the suspect production period and were not identified by warranty records as receiving a suspect replacement service part.

The number of affected units is 379

Production Dates : JUN 27, 2018 - SEP 04, 2018

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 4 : 2017-2017 Acura MDX Sport Hybrid

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The recall population was determined based on manufacturing and warranty records. The production range reflects all possible vehicles that could potentially experience the problem.

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production period and were not identified by warranty records as receiving a suspect replacement service part.

The number of affected units is 1.

Production Dates : SEP 15, 2017 - SEP 15, 2017

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 5 : 2018-2018 Acura MDX Sport Hybrid

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The recall population was determined based on manufacturing and warranty records. The production range reflects all possible vehicles that could potentially experience the problem.

Supplier manufacturing records identified a specific production period of rear brake calipers affected by the improper manufacturing process and were correlated with vehicle manufacturing records to identify the affected vehicle range. The same methodology was applied to warranty records to identify affected vehicles equipped with suspect replacement service parts. Similar vehicles not included in the recall were assembled with rear brake calipers manufactured outside of the suspect production period and were not identified by warranty records as receiving a suspect replacement service part.

Number of affected units is 752

Production Dates : APR 04, 2018 - JUL 25, 2018

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 6 : 2016-2016 Honda HR-V

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The recall population was determined based on manufacturing and warranty records. The production range reflects all possible vehicles that could potentially experience the problem.

Supplier manufacturing records identified a specific production period of rear brake calipers affected by the improper manufacturing process and were correlated with vehicle manufacturing records to identify the affected vehicle range. The same methodology was applied to warranty records to identify affected vehicles equipped with suspect replacement service parts. Similar vehicles not included in the recall were assembled with rear brake calipers manufactured outside of the suspect production period and were not identified by warranty records as receiving a suspect replacement service part.

The number of affected units is 2

Production Dates : FEB 16, 2016 - MAR 19, 2016

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 7 : 2018-2018 Honda HR-V

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The recall population was determined based on manufacturing and warranty records. The production range reflects all possible vehicles that could potentially experience the problem.

Supplier manufacturing records identified a specific production period of rear brake calipers affected by the improper manufacturing process and were correlated with vehicle manufacturing records to identify the affected vehicle range. The same methodology was applied to warranty records to identify affected vehicles equipped with suspect replacement service parts. Similar vehicles not included in the recall were assembled with rear brake calipers manufactured outside of the suspect production period and were not identified by warranty records as receiving a suspect replacement service part.

The number of affected units is 23,332

Production Dates : MAR 20, 2018 - JUN 07, 2018

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 8 : 2019-2019 Honda HR-V

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The recall population was determined based on manufacturing and warranty records. The production range reflects all possible vehicles that could potentially experience the problem.

Supplier manufacturing records identified a specific production period of rear brake calipers affected by the improper manufacturing process and were correlated with vehicle manufacturing records to identify the affected vehicle range. The same methodology was applied to warranty records to identify affected vehicles equipped with suspect replacement service parts. Similar vehicles not included in the recall were assembled with rear brake calipers manufactured outside of the suspect production period and were not identified by warranty records as receiving a suspect replacement service part.

The number of affected units is 9

Production Dates : APR 10, 2018 - MAY 23, 2018

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 9 : 2018-2018 Honda Odyssey

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The recall population was determined based on manufacturing and warranty records. The production range reflects all possible vehicles that could potentially experience the problem.

Supplier manufacturing records identified a specific production period of rear brake calipers affected by the improper manufacturing process and were correlated with vehicle manufacturing records to identify the affected vehicle range. The same methodology was applied to warranty records to identify affected vehicles equipped with suspect replacement service parts. Similar vehicles not included in the recall were assembled with rear brake calipers manufactured outside of the suspect production period and were not identified by warranty records as receiving a suspect replacement service part.

The number of affected units is 7,512

Production Dates : MAY 03, 2017 - APR 17, 2018

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 10 : 2019-2019 Honda Odyssey

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The recall population was determined based on manufacturing and warranty records. The production range reflects all possible vehicles that could potentially experience the problem.

Supplier manufacturing records identified a specific production period of rear brake calipers affected by the improper manufacturing process and were correlated with vehicle manufacturing records to identify the affected vehicle range. The same methodology was applied to warranty records to identify affected vehicles equipped with suspect replacement service parts. Similar vehicles not included in the recall were assembled with rear brake calipers manufactured outside of the suspect production period and were not identified by warranty records as receiving a suspect replacement service part.

The number of affected units is 16,378

Production Dates : APR 12, 2018 - JUN 14, 2018

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Noncompliance :

Description of the Noncompliance : Due to a rear brake caliper manufacturing error, the brake piston's surface plating may contain excessive levels of hydrogen. When installed into the braking system, the excess hydrogen can off-gas into the brake fluid.

FMVSS 1 : 135 - Light vehicle brake systems

FMVSS 2 : NR

Description of the Safety Risk : Introduction of hydrogen gas into the brake fluid can reduce braking performance, potentially creating a noncompliance with FMVSS 135, Light vehicle brake systems, and increases the risk of a crash.

Description of the Cause : NR

Identification of Any Warning that can Occur : NR

Supplier Identification :**Component Manufacturer**

Name : TRW Delplas S.A. de C.V.

Address : La Griega 101
Santa Rosa Jauregui FOREIGN STATES 76220

Country : Mexico

Chronology :

July 2018

The rear brake caliper supplier informed Honda of quality issues affecting some of its products and Honda launched an investigation.

August to October 2018

Honda learned that a sub-supplier's manufacturing process improperly trapped high levels of hydrogen on the brake piston during surface plating, and the tempering process to remove excess hydrogen may not have been performed to specification. Honda investigated the potential for FMVSS noncompliance and the range of potentially affected vehicles.

October 9, 2018

Honda updated NHTSA with the status of its investigation.

October 25, 2018

Honda completed the investigation and determined that the potential for FMVSS noncompliance exists and decided to conduct a safety recall.

As of October 25, 2018 Honda has received 170 warranty claims, 90 field reports, and no reports of crashes or

injuries related to this issue.

Description of Remedy :

Description of Remedy Program : Hydrogen trapped in the affected rear brake calipers will dissipate shortly after the vehicle's first use; therefore, rear brake caliper replacement is not required to remedy the defect. Instead, the brake system should be bled to remove any hydrogen gas present. Registered owners of all affected vehicles will be contacted by mail and asked to take their vehicle to an Acura or Honda automobile dealer. The dealer will bleed the brakes for free.

Because the new vehicle 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 : Rear caliper sub-assy, rear caliper sub-assy, MDX part numbers - 43019-TZ5-A11, 43018-TZ5-A11 ; HR-V part numbers - 43019-T7W-A60 (2WD), 43019-T7X-A60 (AWD), 43018-T7W-A60 (2WD), 43018-T7X-A60 (AWD) ; Odyssey - 43019-THR-A00, 43018-THR-A00

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 November 2, 2018.
Owner notification is expected to begin on or about December 17, 2018.

Planned Dealer Notification Date : NOV 02, 2018 - NR

Planned Owner Notification Date : DEC 17, 2018 - NR

* NR - Not Reported