

DEFECT INFORMATION REPORT

*REVIEWED BY:
JOHN TURLEY
Nov-1-2018
John Turley*

573.6(c)(1)

Name of manufacturer: Honda de México, S.A. de C.V.
Honda Manufacturing of Alabama, LLC
Honda of America Mfg., Inc.

Manufacturer's agent: John Turley
American Honda Motor Co., Inc.
1919 Torrance Blvd.
Torrance, CA 90501-2746

573.6(c)(2)

Identification of potentially affected vehicles:

<u>Make/Model</u>	<u>Description</u>	<u>Dates of Manufacture</u>
Acura MDX	Certain 2017 model year	06/22/2016 to 07/28/2017
Acura MDX	Certain 2018 model year	03/22/2018 to 08/02/2018
Acura MDX	Certain 2019 model year	06/27/2018 to 09/04/2018
Acura MDX Sport Hybrid	Certain 2017 model year	09/15/2017
Acura MDX Sport Hybrid	Certain 2018 model year	04/04/2018 to 07/25/2018
Honda HR-V	Certain 2016 model year	02/16/2016 to 03/19/2016
Honda HR-V	Certain 2018 model year	03/20/2018 to 06/07/2018
Honda HR-V	Certain 2019 model year	04/10/2018 to 05/23/2018
Honda Odyssey	Certain 2018 model year	05/03/2017 to 04/17/2018
Honda Odyssey	Certain 2019 model year	04/12/2018 to 06/14/2018

573.6(c)(2)(iv)

Identification of affected component:

Component: Caliper Sub-Assy., RR.

Part Number:	MDX / MDX Sport Hybrid	HR-V	Odyssey
Left	43019-TZ5-A11	43019-T7W-A60 (2WD) 43019-T7X-A60 (AWD)	43019-THR-A00
Right	43018-TZ5-A11	43018-T7W-A60 (2WD) 43018-T7X-A60 (AWD)	43018-THR-A00

Country of Origin: Mexico
Manufacturer: TRW Delplas S.A. de C.V.

Description of the basis for the determination of the recall population:

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

Description of how the vehicles being recalled differ from similar vehicles not included in the recall:

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.

573.6(c)(3)

Total number of potentially affected vehicles: 64,785

<u>Make/Model</u>	<u>Model Year</u>	<u>Number of Vehicles</u>
Acura MDX	2017	22
Acura MDX	2018	16,398
Acura MDX	2019	379
Acura MDX Sport Hybrid	2017	1
Acura MDX Sport Hybrid	2018	752
Honda HR-V	2016	2
Honda HR-V	2018	23,332
Honda HR-V	2019	9
Honda Odyssey	2018	7,512
Honda Odyssey	2019	16,378

573.6(c)(4)

Percentage of affected vehicles that contain the defect: 100%

573.6(c)(5)

Defect description:

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. 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.

573.6(c)(6)

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.

573.6(c)(8)(i)

Program for remedying the defect:

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.

573.6(c)(8)(ii)

The estimated date to start notification to dealers: November 2, 2018
The estimated date to start notifications to owners: December 17, 2018

573.6(c)(9)

Representative copies of all notices, bulletins and other communications:

A copy of the dealer service bulletin, the final owner notification letter and other dealer communication will be submitted to your office as soon as possible.

573.6(c)(10)

Proposed owner notification letter submission:

A draft of the owner notification letter will be submitted to your office as soon as possible.

573.6(c)(11)

Manufacturer's campaign number:

C31: Honda

L30: Acura