



U.S. Department
of Transportation

National Highway
Traffic Safety
Administration

Part 573 Safety Recall Report

25V859

Manufacturer Name: Honda (American Honda Motor Co.)

Submission Date: Dec 11, 2025

NHTSA Recall No.: 25V859

Manufacturer Recall No.: RN5

Manufacturer Information

Population

Manufacturer Name: Honda (American Honda Motor Co.)

Address: 1919 Torrance Blvd.
Torrance CA, 90501

Total number of potentially involved: 70,658

Estimated percentage with defect: 0.3%

Vehicle Information

Vehicle 1: 2016-2020 ACURA ILX

Product Category: Light Vehicles

Product Type: Passenger Car

Fuel / Propulsion: Compression Ignition Fuel

Production Dates: Oct 09, 2014 - Jan 29, 2020

Number of potentially involved: 70,658

Descriptive Information:

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

Defect / Noncompliance Description

Description of the defect or noncompliance:

Residual plasticizer in the brake reservoir hose can contaminate the brake fluid, causing the brake master cylinder secondary cup seal to swell and deform. Radiant engine heat further expands the seal, reducing its ability to seal and allowing brake fluid to bypass the seal during slow brake-pedal applications.

FMVSS1:

FMVSS2:

Description of the safety risk, including crash, fire, death, injury:

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Brake fluid bypass at the master cylinder cup seals can reduce brake-pedal firmness and increase stopping distance, raising the risk of a crash or injury.

Description of the cause:

A short interval between the brake reservoir hose production and vehicle assembly left the hose with elevated residual plasticizer. This plasticizer leached into the brake fluid, which was then absorbed by the secondary cup seal, causing it to swell. Engine heat during operation further expanded the swollen seal, increasing its diameter and length. As a result, the enlarged seal deflected inside the master cylinder, reducing its ability to seal and allowing brake fluid to leak into the reservoir. During slow brake-pedal applications, hydraulic pressure in the secondary chamber cannot build properly, resulting in reduced braking force.

Identification of any warning that can occur:

Component Manufacturer

Tier of Supplier: Tier 1

Supplier Type: OEM

Name: Astemo Ueda, Ltd.

Address: 840 Kokubu Ueda
Ueda Foreign States, 386-0016

Country: Japan

Involved Components

Component Name 1: MASTER CYLINDER ASSY.

Component Description: MASTER CYLINDER ASSY.

Component Part Number: 46100-TV9-A02

Chronology

December 2015

Honda received a complaint of a vehicle experiencing an intermittent loss of brake pedal pressure.

October 21, 2021

Honda received additional reports of the issue and began to investigate.

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November 2021

Honda was unable to confirm the loss in brake pedal pressure and continued to investigate the issue.

January 1, 2022

Honda confirmed the detection of hydrocarbons from the brake fluid and seal swelling from plasticizer in the brake reservoir hose.

April 25, 2022 – September 12, 2022

Honda focused its investigation on the brake master cylinder primary cup seal, however, was unable to recreate the symptom.

June 12, 2023 – May 13, 2024

Honda continued to investigate and analyze the issue.

June 17, 2024 – August 28, 2024

Honda investigated a subject vehicle and was able to confirm a decrease in the seal swelling when immersed in new brake fluid.

September 27, 2024 – June 18, 2025

Honda investigated the vulcanization of the brake reservoir hose.

November 13, 2025

Honda found a correlation between the storage timing and vulcanization of the hose and continued to analyze the issue.

December 5, 2025

Honda determined that a defect related to motor vehicle safety existed and decided to conduct a safety recall.

As of December 5, 2025, Honda has had 192 warranty claims and no reports of an injury or death related to this issue from January 16, 2015, through December 5, 2025.

Related NHTSA Recall Number:

Description of Remedy

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Registered owners of all affected vehicles will be contacted by mail and asked to take their vehicle to an authorized Acura dealer. The dealer will replace the brake master cylinder with an improved part.

How remedy component differs from recalled component:

The remedy component utilizes a redesigned sealing cup with different material, providing appropriate sealing capability.

Identify how/when recall condition was corrected in production:

The affected model is no longer in production.

Reimbursement Plan

Manufacturer used general reimbursement plan on file.

Recall Schedule

Description of recall schedule:

Dealer notification is scheduled to begin and end on or about 12/12/2025. Interim owner notification is scheduled to begin and end on or about 2/2/2026.

Planned Dealer Notification Date: Dec 12, 2025 - Dec 12, 2025 ☐ No Dealers

Planned Interim Owner Notification Date: Feb 02, 2026 - Feb 02, 2026 ☐ No Owners

Planned Remedy Owner Notification Date: ☐ Phased Recall

Date when VIN will be searchable: