

Part 573 Safety Recall Report

18V-663

Manufacturer Name : Honda (American Honda Motor Co.)

Submission Date : OCT 12, 2018

NHTSA Recall No. : 18V-663

Manufacturer Recall No. : C2N, P20



Manufacturer Information :

Population :

Manufacturer Name : Honda (American Honda Motor Co.)

Number of potentially involved : 54

Address : 1919 Torrance Blvd.

Estimated percentage with defect : 100 %

Torrance CA 90501

Company phone : 1-888-234-2138

Vehicle Information :

Vehicle 1 : 2017-2017 Honda Civic

Vehicle Type :

Body Style :

Power Train : NR

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

Supplier manufacturing records identified a specific production period of steering gearbox assemblies that were affected by the improper manufacturing process. There is 100% traceability between the suspect assemblies and the VIN so similar vehicles not included in the recall were equipped with good parts.

The number of affected units is 14.

Production Dates : SEP 05, 2017 - OCT 04, 2017

VIN Range 1 : Begin : NR **End :** NR

Not sequential

Vehicle 2 : 2018-2018 Honda Civic

Vehicle Type :

Body Style :

Power Train : NR

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

Supplier manufacturing records identified a specific production period of steering gearbox assemblies that were affected by the improper manufacturing process. There is 100% traceability between the suspect assemblies and the VIN so similar vehicles not included in the recall were equipped with good parts.

The number of affected units is 11.

Production Dates : OCT 04, 2017 - JAN 22, 2018

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 3 : 2017-2017 Honda CR-V

Vehicle Type :

Body Style :

Power Train : NR

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

Supplier manufacturing records identified a specific production period of steering gearbox assemblies that were affected by the improper manufacturing process. There is 100% traceability between the suspect assemblies and the VIN so similar vehicles not included in the recall were equipped with good parts.

The number of affected units is 25.

Production Dates : SEP 18, 2017 - OCT 27, 2017

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 4 : 2018-2018 Honda CR-V

Vehicle Type :

Body Style :

Power Train : NR

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

Supplier manufacturing records identified a specific production period of steering gearbox assemblies that were affected by the improper manufacturing process. There is 100% traceability between the suspect assemblies and the VIN so similar vehicles not included in the recall were equipped with good parts.

The number of affected units is 4.

Production Dates : OCT 09, 2017 - OCT 23, 2017

VIN Range 1 : Begin : NR End : NR

Not sequential

Description of Defect :

Description of the Defect : Due to an improper manufacturing process, the magnet that controls the torque sensor output signal for the electronic power steering system was not properly staked to the input shaft. If significant steering force is applied at full lock position, the magnet can become dislodged and generate an output signal to apply steering assist in the opposite direction. Once the steering position reaches full lock on the opposite side, the magnet once again becomes dislodged and applies steering assist in the opposite direction, resulting in an infinite loop of steering assist from lock-to-lock position.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : This unintended steering input reduces vehicle maneuverability 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 : Showa Autoparts Mexico

Address : Av Mineral De Penafiel. No.77

Parque Industrial Santa Fe IV Puerto Int Silao FOREIGN STATES CP36275

Country : Mexico

Chronology :

February to March 2018

Honda received the first market claim of unintended steering. The failed part was returned to American Honda for testing and analysis however, the failure mode could not be duplicated.

April to June 2018

The failed part was returned to the vehicle's original manufacturing plant, Honda of the UK Manufacturing (HUM) for additional testing and analysis. HUM was successful in duplicating the failure mode. The failed part was sent to the steering gearbox supplier for root cause analysis.

July 2018

The supplier investigated the failed part and manufacturing records and found that the magnet was not staked to the input shaft.

August to September 2018

Honda conducted onsite investigation at the supplier and investigated the range of potentially affected vehicles.

September 20, 2018

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

As of September 20, 2018 Honda has received one warranty claim, and no field reports or reports of crashes or injuries related to this issue.

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 a Honda automobile dealer. The dealer will replace the steering gearbox assembly 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 : Steering EPS Gearbox Assy, Steering EPS Gearbox Assy, Part No.: Civic - 53600-TBA-A04, 53600-TBG-A04, 53600-TBJ-A01, CR-V - 53600-TLB-A07

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 September 28, 2018.
Owner notification is expected to begin on or about November 5, 2018.

Planned Dealer Notification Date : SEP 28, 2018 - NR

Planned Owner Notification Date : NOV 05, 2018 - NR

* NR - Not Reported