Part 573 Safety Recall Report 20V-314

Manufacturer Name : Honda (American Honda Motor Co.)
Submission Date : JUN 23, 2020
NHTSA Recall No. : 20V-314
Manufacturer Recall No. : See comment box/DIR

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 : 135,995
Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2018-2018 Acura NSX
Vehicle Type :
Body Style :
Power Train : NR
Descriptive Information : The recall population was determined based on manufacturing records and supplier part production records. The manufacturing range reflects all possible vehicles that could potentially experience the problem. Vehicles being recalled are equipped with fuel pump modules containing impellers produced during specific periods under specific circumstances (lower density impellers exposed to production solvent drying for longer periods of time). Similar vehicles not included in the recall are equipped with fuel pump modules that were not subject to the above conditions. The number of affected units is 14.
Production Dates : SEP 17, 2018 - SEP 27, 2018
VIN Range 1 : Begin : NR End : NR ☐ Not sequential

Vehicle 2 : 2019-2019 Acura NSX
Vehicle Type :
Body Style :
Power Train : NR
Descriptive Information : The recall population was determined based on manufacturing records and supplier part production records. The manufacturing range reflects all possible vehicles that could potentially experience the problem. Vehicles being recalled are equipped with fuel pump modules containing impellers produced during specific periods under specific circumstances (lower density impellers exposed to production solvent drying for longer periods of time). Similar vehicles not included in the recall are equipped with fuel pump modules that were not subject to the above conditions. The number of affected units is 132.
Production Dates : OCT 01, 2018 - MAR 19, 2019
VIN Range 1 : Begin : NR End : NR ☐ Not sequential

Vehicle 3 :	2019-2019 Acura RDX
Vehicle Type :	
Body Style :	
Power Train :	NR
Descriptive Information :	The recall population was determined based on manufacturing records and supplier part production records. The manufacturing range reflects all possible vehicles that could potentially experience the problem. Vehicles being recalled are equipped with fuel pump modules containing impellers produced during specific periods under specific circumstances (lower density impellers exposed to production solvent drying for longer periods of time). Similar vehicles not included in the recall are equipped with fuel pump modules that were not subject to the above conditions. The number of affected units is 34,405.
Production Dates :	MAY 21, 2018 - FEB 12, 2019
VIN Range 1 :	Begin : NR End : NR ☐ Not sequential

Vehicle 4 :	2019-2019 Acura RLX
Vehicle Type :	
Body Style :	
Power Train :	NR
Descriptive Information :	The recall population was determined based on manufacturing records and supplier part production records. The manufacturing range reflects all possible vehicles that could potentially experience the problem. Vehicles being recalled are equipped with fuel pump modules containing impellers produced during specific periods under specific circumstances (lower density impellers exposed to production solvent drying for longer periods of time). Similar vehicles not included in the recall are equipped with fuel pump modules that were not subject to the above conditions. The number of affected units is 124.
Production Dates :	NOV 01, 2018 - NOV 06, 2018
VIN Range 1 :	Begin : NR End : NR ☐ Not sequential

Vehicle 5 :	2019-2019 Acura RLX Sport Hybrid
Vehicle Type :	
Body Style :	
Power Train :	NR
Descriptive Information :	The recall population was determined based on manufacturing records and supplier part production records. The manufacturing range reflects all possible vehicles that could potentially experience the problem. Vehicles being recalled are equipped with fuel pump modules containing impellers produced during specific periods under specific circumstances (lower density impellers exposed to production solvent drying for longer periods of time). Similar vehicles not included in the recall are equipped with fuel pump modules that were not subject to the above conditions. The number of affected units is 206.
Production Dates :	JUL 03, 2018 - NOV 29, 2018
VIN Range 1 :	Begin : NR End : NR ☐ Not sequential

Vehicle 6 : 2018-2018 Honda Accord
Vehicle Type :
Body Style :
Power Train : NR
Descriptive Information : The recall population was determined based on manufacturing records and supplier part production records. The manufacturing range reflects all possible vehicles that could potentially experience the problem. Vehicles being recalled are equipped with fuel pump modules containing impellers produced during specific periods under specific circumstances (lower density impellers exposed to production solvent drying for longer periods of time). Similar vehicles not included in the recall are equipped with fuel pump modules that were not subject to the above conditions. The number of affected units is 10,152.
Production Dates : JUN 05, 2018 - NOV 02, 2018
VIN Range 1 : Begin : NR End : NR ☐ Not sequential

Vehicle 7 : 2019-2019 Honda Accord
Vehicle Type :
Body Style :
Power Train : NR
Descriptive Information : The recall population was determined based on manufacturing records and supplier part production records. The manufacturing range reflects all possible vehicles that could potentially experience the problem. Vehicles being recalled are equipped with fuel pump modules containing impellers produced during specific periods under specific circumstances (lower density impellers exposed to production solvent drying for longer periods of time). Similar vehicles not included in the recall are equipped with fuel pump modules that were not subject to the above conditions. The number of affected units is 1,075.
Production Dates : OCT 27, 2018 - FEB 08, 2019
VIN Range 1 : Begin : NR End : NR ☐ Not sequential

Vehicle 8 : 2018-2018 Honda Civic Hatchback
Vehicle Type :
Body Style :
Power Train : NR
Descriptive Information : The recall population was determined based on manufacturing records and supplier part production records. The manufacturing range reflects all possible vehicles that could potentially experience the problem. Vehicles being recalled are equipped with fuel pump modules containing impellers produced during specific periods under specific circumstances (lower density impellers exposed to production solvent drying for longer periods of time). Similar vehicles not included in the recall are equipped with fuel pump modules that were not subject to the above conditions. The number of affected units is 14,838.
Production Dates : JUN 27, 2018 - SEP 28, 2018
VIN Range 1 : Begin : NR End : NR ☐ Not sequential

Vehicle 9 : 2019-2019 Honda Civic Hatchback
Vehicle Type :
Body Style :
Power Train : NR
Descriptive Information : The recall population was determined based on manufacturing records and supplier part production records. The manufacturing range reflects all possible vehicles that could potentially experience the problem. Vehicles being recalled are equipped with fuel pump modules containing impellers produced during specific periods under specific circumstances (lower density impellers exposed to production solvent drying for longer periods of time). Similar vehicles not included in the recall are equipped with fuel pump modules that were not subject to the above conditions. The number of affected units is 9,397.
Production Dates : SEP 28, 2018 - JAN 17, 2019
VIN Range 1 : Begin : NR End : NR ☐ Not sequential

Vehicle 10 : 2018-2018 Honda Civic Type R
Vehicle Type :
Body Style :
Power Train : NR
Descriptive Information : The recall population was determined based on manufacturing records and supplier part production records. The manufacturing range reflects all possible vehicles that could potentially experience the problem. Vehicles being recalled are equipped with fuel pump modules containing impellers produced during specific periods under specific circumstances (lower density impellers exposed to production solvent drying for longer periods of time). Similar vehicles not included in the recall are equipped with fuel pump modules that were not subject to the above conditions. The number of affected units is 537.
Production Dates : JUN 25, 2018 - JAN 15, 2019
VIN Range 1 : Begin : NR End : NR ☐ Not sequential

Vehicle 11 : 2019-2019 Honda Civic Type R
Vehicle Type :
Body Style :
Power Train : NR
Descriptive Information : The recall population was determined based on manufacturing records and supplier part production records. The manufacturing range reflects all possible vehicles that could potentially experience the problem. Vehicles being recalled are equipped with fuel pump modules containing impellers produced during specific periods under specific circumstances (lower density impellers exposed to production solvent drying for longer periods of time). Similar vehicles not included in the recall are equipped with fuel pump modules that were not subject to the above conditions. The number of affected units is 1,248.
Production Dates : OCT 03, 2018 - JUN 10, 2019
VIN Range 1 : Begin : NR End : NR ☐ Not sequential

Vehicle 12 :	2019-2019 Honda Fit
Vehicle Type :	
Body Style :	
Power Train :	NR
Descriptive Information :	The recall population was determined based on manufacturing records and supplier part production records. The manufacturing range reflects all possible vehicles that could potentially experience the problem. Vehicles being recalled are equipped with fuel pump modules containing impellers produced during specific periods under specific circumstances (lower density impellers exposed to production solvent drying for longer periods of time). Similar vehicles not included in the recall are equipped with fuel pump modules that were not subject to the above conditions. The number of affected units is 9,241.
Production Dates :	APR 27, 2018 - DEC 21, 2018
VIN Range 1 :	Begin : NR End : NR ☐ Not sequential

Vehicle 13 :	2018-2018 Honda HR-V
Vehicle Type :	
Body Style :	
Power Train :	NR
Descriptive Information :	The recall population was determined based on manufacturing records and supplier part production records. The manufacturing range reflects all possible vehicles that could potentially experience the problem. Vehicles being recalled are equipped with fuel pump modules containing impellers produced during specific periods under specific circumstances (lower density impellers exposed to production solvent drying for longer periods of time). Similar vehicles not included in the recall are equipped with fuel pump modules that were not subject to the above conditions. The number of affected units is 20,411.
Production Dates :	APR 27, 2018 - JUL 07, 2018
VIN Range 1 :	Begin : NR End : NR ☐ Not sequential

Vehicle 14 :	2019-2019 Honda HR-V
Vehicle Type :	
Body Style :	
Power Train :	NR
Descriptive Information :	The recall population was determined based on manufacturing records and supplier part production records. The manufacturing range reflects all possible vehicles that could potentially experience the problem. Vehicles being recalled are equipped with fuel pump modules containing impellers produced during specific periods under specific circumstances (lower density impellers exposed to production solvent drying for longer periods of time). Similar vehicles not included in the recall are equipped with fuel pump modules that were not subject to the above conditions. The number of affected units is 19,256.
Production Dates :	JUN 25, 2018 - DEC 21, 2018
VIN Range 1 :	Begin : NR End : NR ☐ Not sequential

Vehicle 15 :	2019-2019 Honda Insight
Vehicle Type :	
Body Style :	
Power Train :	NR
Descriptive Information :	The recall population was determined based on manufacturing records and supplier part production records. The manufacturing range reflects all possible vehicles that could potentially experience the problem. Vehicles being recalled are equipped with fuel pump modules containing impellers produced during specific periods under specific circumstances (lower density impellers exposed to production solvent drying for longer periods of time). Similar vehicles not included in the recall are equipped with fuel pump modules that were not subject to the above conditions. The number of affected units is 14,949.
Production Dates :	MAY 23, 2018 - MAR 08, 2019
VIN Range 1 :	Begin : NR End : NR ☐ Not sequential

Vehicle 16 :	2020-2020 Honda Insight
Vehicle Type :	
Body Style :	
Power Train :	NR
Descriptive Information :	The recall population was determined based on manufacturing records and supplier part production records. The manufacturing range reflects all possible vehicles that could potentially experience the problem. Vehicles being recalled are equipped with fuel pump modules containing impellers produced during specific periods under specific circumstances (lower density impellers exposed to production solvent drying for longer periods of time). Similar vehicles not included in the recall are equipped with fuel pump modules that were not subject to the above conditions. The number of affected units is 10.
Production Dates :	AUG 26, 2019 - SEP 17, 2019
VIN Range 1 :	Begin : NR End : NR ☐ Not sequential

Description of Defect :

Description of the Defect :	Affected vehicles may be equipped with a fuel pump module manufactured with low density impellers. If the surface of the lower density impeller is exposed to production solvent drying for longer periods of time, higher levels of surface cracking may occur. These cracks may lead to excessive fuel absorption, resulting in impeller deformation. Over time, if an impeller deforms to a point that creates sufficient interference with the fuel pump body, the fuel pump becomes inoperative, which may cause illumination of the Malfunction Indicator Lamp in the instrument panel.
FMVSS 1 :	NR
FMVSS 2 :	NR

Description of the Safety Risk :	Fuel pump inoperability could prevent an engine from starting or stall an engine while driving, increasing the risk of a crash.
Description of the Cause :	NR
Identification of Any Warning that can Occur :	NR

Involved Components :

Component Name 1 :	Fuel Pump Module
Component Description :	NSX
Component Part Number :	17045-T6N-A01

Component Name 2 :	Fuel Pump Module
Component Description :	RDX
Component Part Number :	17045-TJB-A03

Component Name 3 :	Fuel Pump Module
Component Description :	RLX
Component Part Number :	17045-TY2-A00

Component Name 4 :	Fuel Pump Module
Component Description :	RLX Sport Hybrid
Component Part Number :	17045-TY3-000

Component Name 5 :	Fuel Pump Module
Component Description :	Accord
Component Part Number :	17045-TVC-A03

Component Name 6 :	Fuel Pump Module
Component Description :	Civic Hatchback
Component Part Number :	17045-TBA-A00

Component Name 7 :	Fuel Pump Module
Component Description :	Civic Type R
Component Part Number :	17045-TGH-A00 (2018) / 17045-TGH-A01 (2019)

Component Name 8 :	Fuel Pump Module
Component Description :	Fit
Component Part Number :	17045-T5R-A00

Component Name 9 :	Fuel Pump Module
Component Description :	HR-V
Component Part Number :	17045-T7W-A00 (2WD) / 17045-T7X-A01 (AWD)

Component Name 10 :	Fuel Pump Module
Component Description :	Insight
Component Part Number :	17045-TXM-A00

Supplier Identification :

Component Manufacturer

Name :	DENSO International America, Inc.
Address :	24777 Denso Drive Southfield MICHIGAN 48086
Country :	United States

Chronology :

February – May 2019

Honda received the first report of fuel pump module failure from the Indian market and an investigation was launched. After supplier analysis of failed parts returned from the field, it was confirmed that impeller swelling resulted in fuel pump module failure.

June – October 2019
The investigation was elevated to the global Honda quality group for further handling. Honda hypothesized the impeller swelling was related to part toughness and investigated impeller density and clearance between the impeller and fuel pump wall. Re-creation testing confirmed the primary contributor to impeller swelling was the development of surface cracks on low density impellers exposed to production solvent drying for longer periods of time.

March 2020
Review of warranty data confirmed that vehicles equipped with fuel pump modules in transit for a longer period prior to vehicle assembly exhibited increased failure rates.

April 2020
Honda investigated the scope of vehicles installed with suspect fuel pump modules containing lower density impellers exposed to production solvent drying for longer periods of time.

May 21, 2020
Honda determined that a defect related to motor vehicle safety existed and decided to conduct a safety recall.

As of May 21, 2020, Honda has received 183 warranty claims, 68 field reports, and no reports of injuries or crashes 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 an Acura or Honda dealer. The dealer will replace the fuel pump assembly 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 May 29, 2020. Owner notification dates are to be determined.
Planned Dealer Notification Date :	MAY 29, 2020 - NR
Planned Owner Notification Date :	NR - NR

* NR - Not Reported