

Part 573 Safety Recall Report

18V-344

Manufacturer Name : Chrysler (FCA US LLC)

Submission Date : JUL 31, 2018

NHTSA Recall No. : 18V-344

Manufacturer Recall No. : U52



Manufacturer Information :

Manufacturer Name : Chrysler (FCA US LLC)

Address : 800 Chrysler Drive
CIMS 482-00-91 Auburn Hills MI
48326-2757

Company phone : 1-800-853-1403

Population :

Number of potentially involved : 14

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2019-2019 Jeep Cherokee

Vehicle Type :

Body Style : SUV

Power Train : NR

Descriptive Information : Some 2019 MY Jeep Cherokee vehicles built from February 4, 2018, through April 4, 2018 may be equipped with 2.0L engines that were built with missing valve stem keepers and/or a reversed camshaft cap.

The vehicle population was determined by engine photographic data provided by Trenton Engine Assembly Plant. Fourteen 2.0L engines were potentially built incorrectly and subsequently installed in Jeep Cherokee vehicles between February 4, 2018, and April 4, 2018. Engine serial numbers were used to trace the suspect engines to the corresponding vehicle identification number ("VIN").

Similar 2019 Jeep Cherokee vehicles not included in this recall have a 2.0L engine built with correct valve stem keepers and/or camshaft caps, and installed in Jeep Cherokee vehicles outside of the suspect time frame.

Production Dates : FEB 04, 2018 - APR 04, 2018

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

Not sequential

Description of Defect :

Description of the Defect : Some 2019 MY Jeep Cherokee vehicles built from February 4, 2018, through April 4, 2018 may be equipped with 2.0L engines that were built with missing valve stem keepers and/or a reversed camshaft cap. A missing valve stem keeper may allow the valve to drop into the engine cylinder, leading to engine damage. A reversed camshaft cap may allow material transfer to the camshaft bearing and subsequent camshaft seizure.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : An engine built with a missing valve stem keeper may allow the valve to drop into the engine cylinder, leading to engine damage. An engine built with a reversed camshaft cap may allow material transfer to the camshaft bearing and subsequent camshaft seizure. A missing valve stem keeper or a reversed camshaft cap may result in a loss of motive power. A sudden loss of motive power can cause vehicle crash without prior warning.

Description of the Cause : NR

Identification of Any Warning that can Occur : NR

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

- On March 14, 2018, a team leader in the cylinder head subassembly station discovered the leak test machine was incorrectly accepting parts without valve stem keepers.
- On March 14, 2018, Trenton Engine Assembly Plant started a 100% check to review 17 photographic images per engine on outbound shipments as well as previously shipped engines.
- On March 22, 2018, Belvidere Assembly Plant was notified of the misbuilt engines for 2019 MY Jeep Cherokee vehicles.
- On April 17, 2018, Trenton Engine Assembly Plant completed the manual review of the photographic engine images and a total of 14 images were found with a missing valve stem keeper; 13 of these engines were built into vehicles for the US market. One image was found with a reversed camshaft cap; this engine was also built into a vehicle for the US market.
- On April 23, 2018, Trenton Engine Assembly Plant submitted a rapid response transmittal ("RRT") request to FCA US Quality.
- On May 3, 2018, the FCA US Vehicle Safety and Regulatory Compliance ("VSRC") organization opened an investigation as a result of the potential consequence of the condition described in the RRT request.
- Between May 3, 2018, and May 8, 2018, meetings between FCA US VSRC and Trenton Engine Assembly Plant Quality Engineering were conducted to better understand the potential consequences of the issue. It was determined that the missing valve stem keeper and reversed camshaft cap may result in engine failure and subsequent loss of motive power.
- As of May 21, 2018, FCA US LLC ("FCA US") identified 0 CAIRs, 0 VOQs and 0 field reports related to this issue.
- As of May 21, 2018, total warranty is 0 c/1000.

- As of May 21, 2018, FCA US is unaware of any accidents or injuries potentially related to this issue.
- On May 21, 2018, FCA US determined, through the Vehicle Regulations Committee, to conduct a voluntary safety recall of the affected vehicles.

Description of Remedy :

Description of Remedy Program : FCA US will conduct a Voluntary Safety Recall on all affected vehicles to inspect and replace or repair the valvetrain or cylinder head assembly as required. Engines with reversed cam caps will have the cylinder head assembly replaced, and will also have the camshaft replaced if found to be damaged. Engines with a missing valve key will have the affected valve assembly repaired, or cylinder head assembly replaced, per the results of the initial inspection.

FCA US has a longstanding policy and practice of reimbursing owners who have incurred the cost of repairing a problem that subsequently becomes the subject of a field action. To ensure consistency, FCA US, as part of the owner letter, will request that customers send the original receipt and/or other adequate proof of payment to the company for confirmation of the expense.

How Remedy Component Differs from Recalled Component : Part Name: Cylinder head and valvetrain assembly
Part Description: Cylinder head assembly with valves
Part Number: 68382572AA

Identify How/When Recall Condition was Corrected in Production : NR

Recall Schedule :

Description of Recall Schedule : ** 07/31/18: FCA US will notify dealers and begin notifying owners on or about September 3, 2018.

** 05/25/18: FCA US will notify dealers and begin notifying owners on or about July 14, 2018.

Planned Dealer Notification Date : JUL 14, 2018 - JUL 14, 2018

Planned Owner Notification Date : JUL 14, 2018 - JUL 14, 2018

* NR - Not Reported