

Part 573 Safety Recall Report**16V-064****Manufacturer Name :** Mazda North American Operations**Submission Date :** FEB 05, 2016**NHTSA Recall No. :** 16V-064**Manufacturer Recall No. :** 9216B**Manufacturer Information :**

Manufacturer Name : Mazda North American Operations

Address : 1025 Connecticut Avenue, NW

Suite 910 Washington DC 20036

Company phone : 800-222-5500

Population :

Number of potentially involved : 268,799

Estimated percentage with defect : 100

Vehicle Information :

Vehicle : 2014-2016 Mazda CX-5

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : 2014 - 2016 model year CX-5, built from June 27, 2013 through January 20, 2016 at Hiroshima plant of Mazda Motor Corporation, Japan.

Production Dates : JUN 27, 2013 - FEB 02, 2016

VIN (Vehicle Identification Number) Range

Begin : JM3KE4CY1E0366986

End : JM3KE4CY3E0430753

 Not sequential VINs

Begin : JM3KE2CY8F0430754

End : JM3KE2BE4F0554561

 Not sequential VINs

Begin : JM3KE2CY8G0600015

End : JM3KE4DY4G0773296

 Not sequential VINs**Description of Noncompliance :**

Description of the Noncompliance : Update on 2/6/2016, the total number of subject vehicle and the VIN range of 2016MY vehicles, production period have been revised.

S6.4 of FMVSS No. 301 requires that, when a vehicle is rotated on its longitudinal axis to each successive increment of 90 degrees, following an impact crash test of S6.2 (b), fuel spillage shall not exceed the limit of S5.6. There was no spillage during the impact crash test of S6.2 (b), however when the vehicle was rotated according to S6.4, the amount of fuel spillage exceeded the limit of S5.6.

FMVSS 1 : 301 - Fuel system integrity

FMVSS 2 : NR

Description of the Safety Risk : There is a possibility the fuel filler pipe could rupture during an impact crash similar to S6.2 (b) of FMVSS No. 301 and for the fuel to leak from the rupture if

the vehicle has a rollover similar to S5.6 of FMVSS No. 301. Leakage of gasoline presents the risk of a fire.

Description of the Cause : When the vehicle was tested according to S6.2 (b) of FMVSS No. 301, a rupture on the filler pipe appeared to be created during the impact.

Identification of Any Warning that can Occur : NR

Supplier Identification :**Component Manufacturer**

Name : NR

Address : NR

NR

Country : NR

Chronology :

January 18, 2016: NHTSA performed a compliance test of FMVSS No. 301 on a 2015MY Mazda CX-5 at KARCO Engineering LLC, CA. There was no fuel spillage during the test of S6.2. When the vehicle was rotated according to S6.4, the amount of fuel spillage exceeded the limit of S5.6.

Mazda attendees for the test observed this phenomenon on site and reported it to Mazda Motor Corporation in Japan.

January 19, 2016: Mazda Motor Corporation in Japan started the investigation.

January 29, 2016: On the basis of the test result and investigation, Mazda concluded that the test performed by the NHTSA was valid and decided to conduct a noncompliance recall campaign on 2014 – 2016MY Mazda CX-5 vehicles.

Description of Remedy :

Description of Remedy Program : Owners of record will be notified of this issue and instructed to take their vehicles to a Mazda dealer for repair. The repair will be to remove an attachment bolt on a left rear side member attaching the bracket of the fuel filler pipe. This will prevent the rupture on the fuel filler pipe by changing the load path during the rear crash impact. For the remedy in the field and at ports, a tape will be applied to cover the hole for the bolt mount.. For the production on or after February 1, 2016, a rubber pad will be placed between the body member and the bracket and a plastic fastener will be used for attaching the bolt. The repair will be performed free of charge to the vehicle owners.

How Remedy Component Differs from Recalled Component : The attachment between the fuel filler pipe and the left rear side member will be changed, so it can be distinguished easily when it is inspected the area.

Identify How/When Recall Condition was Corrected in Production : Implementation date will be February 1, 2016.

Recall Schedule :

Description of Recall Schedule : A draft of the planned owner letter will be provided when it becomes available.

Dealers will be notified of the voluntary recall on or around February 5, 2016

The mailing of owner notification letter by first class mail will begin in early March, 2016.

Planned Dealer Notification Date : FEB 05, 2016 - FEB 06, 2016

Planned Owner Notification Date : MAR 01, 2016 - MAR 02, 2016

* NR - Not Reported