

**Part 573 Safety Recall Report****15V-621****Manufacturer Name :** Mazda North American Operations**Submission Date :** OCT 16,2015**NHTSA Recall No. :** 15V-621**Manufacturer Recall No. :** 8615J**Manufacturer Information :**

Manufacturer Name : Mazda North American Operations

Address : 1025 Connecticut Avenue, NW

Suite 910 Washington DC 20036

Company phone : 248-295-7859

**Population :**

Number of potentially involved : 14,406

Estimated percentage with defect : 0

**Vehicle Information :**

Vehicle : 2015-2016 Mazda Mazda3

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : 2015- 2016 MY Mazda3 MMVO built. Mazda de Mexico Vehicle Operation in Mexico.

Production Dates : MAY 21, 2015 - AUG 25, 2015

**VIN (Vehicle Identification Number) Range**

Begin : 3MZBM1U78FM224274

End : 3MZBM1V71FM237205

 Not sequential VINs

Begin : 3MZBM1T76GM228021

End : 3MZBM1V72GM251891

 Not sequential VINs**Description of Defect :**

Description of the Defect : Updated on October 16, 2015 ; 5 vehicles outside of recall coverage have been added to the involved vehicles on this recall on 15V621, because the concerned shut-off-valve part were attached to 5 vehicles in field service. VIN No are 3MZBM1U76FM134198,3MZBM1L78FM191102,3MZBM1L7XFM133119,3MZBM1L72FM214521,3MZBM1V78FM152202

On 2015-2016 MY Mazda3, sealing performance of some shut-off-valves in the fuel tank may be insufficient due to improper installation of the cap on the shut-off-valve body. Under the condition, while refilling the fuel tank or by the fuel movement when driving, fuel may be able to flow through the shut-off-valve into the evaporative breather pipe and into the charcoal canister. As a result of fuel flowing into the charcoal canister, the engine check lamp may potentially illuminate because the OBD system may detect an abnormal signal from the fuel tank pressure sensor. Under extreme conditions the fuel may flow into the intake manifold from the charcoal canister, leading to rough idle or engine stall. In the worst case, fuel may potentially leak from the external vent of the charcoal canister.

FMVSS 1 :NR

FMVSS 2 :NR

Description of the Safety Risk : If there is an ignition source near the vehicle, fuel leakage from the charcoal canister may result in increased risk of fire.

Description of the Cause : Improper installation of the cap on the shut-off-valve body.

Identification of Any Warning that can Occur : NR

**Supplier Identification :****Component Manufacturer**

Name : Kautex Textron de Mexico S de RL de CV.

Address : Avenida Mineral de Valencia, Lote 1-2 Pa  
FOREIGN STATES

Country : Mexico

**Chronology :**

On August 5, 2015: Mazda received 2 field concern reports referring to engine check lamp illumination and engine stall.

On August 20, 2015: According to the result of investigation, Mazda found fuel flowing into the charcoal canister, due to a poor fit of the shut-off-valve cap.

On August 25, 2015: Mazda determined the poor fit of the cap was caused by incorrect assembly of the cap on the shut-off-valve at the supplier's manufacturing line.

On August 31, 2015: Mazda reviewed the fuel leakage possibility in case of vehicle rollover or when filling up the fuel.

On September 24, 2015: As a result of the review of the possibility of fire, it was found that there was low possibility of fire by contact with leaking fuel and the engine exhaust pipe, however, if there is an ignition source near the vehicle, it may possibly increase a risk of fire.

On September 25: Mazda decided to conduct a safety recall campaign on the Mazda3 vehicles produced from May 21, 2015 through August 24, 2015, which are the production period covering assembly of the concerned shut-off-valves.

**Description of Remedy :**

Description of Remedy Program : For all the vehicle owners involved with the recall campaign, MNAO will notify them of the recall campaign and instruct them to refrain from using their vehicles. Mazda will provide vehicle owners with a rental car as alternative transportation until their vehicles can be remedied. We are now working to make available replacement parts and service tool as quickly as possible.

As soon as the replacement parts and service tool become available, we will inspect the shut-off-valve on customer's vehicle. As a result of the inspection, if poor fit of the shut-off-valve cap is recognized, we will replace the charcoal canister and fuel tank component with good ones. The inspection/repair will be performed free of charge to the vehicle owners.

How Remedy Component Differs from Recalled Component : No difference in design between recalled parts

Identify How/When Recall Condition was Corrected in Production : Shut-off-valves are being manufactured and replacement parts, but we will insure that it is properly assembled during installation. under the verified appropriate assembly process of the cap by means of visual and physical checks. The production change was implemented for vehicles produced from August 25, 2015.

**Recall Schedule :**

Description of Recall Schedule : NR

Planned Dealer Notification Date : OCT 06, 2015 - OCT 06, 2015

Planned Owner Notification Date : OCT 08, 2015 - OCT 08, 2015

\* NR - Not Reported