

Part 573 Safety Recall Report

17V-745

Manufacturer Name : Mazda North American Operations**Submission Date :** NOV 21, 2017**NHTSA Recall No. :** 17V-745**Manufacturer Recall No. :** 1717K**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 : 144

Estimated percentage with defect : 4 %

Vehicle Information :

Vehicle 1 : 2018-2018 Mazda Mazda3

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : 1- Recall population was determined by the production record of vehicles which may have potentially had installed parts from the supplier's subject lot.
 2- The spec of the remedy part is different from the recalled parts.
 Plant information; Mazda de Mexico Vehicle Operation (MMVO)
 Av. Hiroshima No. 1000, Complejo Industrial Salamanca, 36875 Salamanca, GTO, Mexico

Production Dates : OCT 09, 2017 - OCT 18, 2017

VIN Range 1 : Begin : 3MZBN1U70JM178705 End : 3MZBN1U74JM181283 Not sequential**Description of Defect :**

Description of the Defect : In certain vehicles, an incorrect exhaust valve spring may have been installed in the cylinder head of the engine. Continuous use in this condition may lead to abnormal noise, vibration and MIL-illumination. In the worst case, the exhaust valve spring may break, resulting in engine stall. No loss of control, accidents or injuries related to this condition have been reported.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : In the worst case, vehicles may experience an engine stall and cannot be restarted.

Description of the Cause : NR

Identification of Any Warning that can Occur : NR

Supplier Identification :

Component Manufacturer

Name : Mubea de México S de R.L de C.V

Address : Blvd Kappa No. 1085 Parque Industrial Sa
FOREIGN STATES

Country : Mexico

Chronology :

October 10,2017

On sub-assembling process of the engine cylinder head, when installing exhaust valve springs, the operator detected an exhaust valve spring which was different from the normal spring.

October 12 through October 16, 2017

Mazda visited to the supplier and investigated the cause of this issue. It found that the subject spring had been produced for a different manufacturer and mistakenly shipped to Mazda. The subject spring was confirmed to be isolated to a specific production lot shipment.

October 19, 2017

As a result of the durability verification test using the incorrect exhaust valve spring, no failure phenomena such as engine stall, abnormal noise or rattle vibration occurred. However, Mazda believed there is still a possibility for the phenomena to occur in the field.

November 15, 2017

Mazda held a Quality Audit Committee and decided to conduct a recall for MY 2018 Mazda3 vehicles.

Description of Remedy :

Description of Remedy Program : Mazda dealers will inspect the exhaust valve springs and replace the exhaust valve springs with the correct ones if any incorrect exhaust valve springs are found to have been installed. The repair will be performed free of charge to owners.

Due to the small volume of affected retailed vehicles, Mazda will attempt to contact these customers by phone before the owner notification deadline. If attempts to contact the customers are unsuccessful, Mazda will proceed with mailing owner notification letters.

How Remedy Component Differs from Recalled Component : The recalled part is the exhaust valve spring (part number: PEDD-12126). The spec of the remedy part is different from the recalled parts.

Identify How/When Recall Condition was Corrected in Production : Added an inspection process of confirming the inside diameter of the exhaust valve spring at packing to prevent incorrect valve spring from being shipped in production on October 11, 2017.

Recall Schedule :

Description of Recall Schedule : Mazda plans to notify dealers on November 30, 2017.

Planned Dealer Notification Date : NOV 30, 2017 - NOV 30, 2017

Planned Owner Notification Date : JAN 20, 2018 - JAN 20, 2018

* NR - Not Reported