

Part 573 Safety Recall Report

21E-026

Manufacturer Name : BorgWarner

Submission Date : DEC 30, 2021

NHTSA Recall No. : 21E-026

Manufacturer Recall No. : NR



Manufacturer Information :

Manufacturer Name : BorgWarner

Address : 3800 Automation Ave.
Auburn Hills MI 48326

Company phone : 8647109450

Population :

Number of potentially involved : 515

Estimated percentage with defect : 5 %

Equipment Information :

Brand / Trade 1 : Ford

Model : Start Stop Accumulator (SSA)

Part No. : JM5P 7P184 BE

Size : 180X110X140mm

Function : NR

Descriptive Information : The recall population was determined by the OEM (Ford and GM) after examination of retained process data that is kept for each component assembly. The total number of items of equipment potentially containing the defect, as referenced above, was determined by BorgWarner's process traceability data.

The affected vehicles are equipped with a start stop accumulator that may have missing or loose bolts.

Total Number Potentially Affected:
515 (GM – 342, Ford – 173)

Production Dates : JAN 05, 2018 - JUL 10, 2020

Brand / Trade 2 : Ford
Model : Start Stop Accumulator (SSA)
Part No. : JM5P 7P184 CA
Size : 180X110X140mm
Function : NR

Descriptive Information : The recall population was determined by the OEM (Ford and GM) after examination of retained process data that is kept for each component assembly. The total number of items of equipment potentially containing the defect, as referenced above, was determined by BorgWarner's process traceability data.

The affected vehicles are equipped with a start stop accumulator that may have missing or loose bolts.

Total Number Potentially Affected: 515 (GM – 342, Ford – 173)

Production Dates : JAN 05, 2018 - JUL 10, 2020

Brand / Trade 3 : GM
Model : Start Stop Accumulator (SSA)
Part No. : 24292557
Size : 190X110X140mm
Function : NR

Descriptive Information : The recall population was determined by the OEM (Ford and GM) after examination of retained process data that is kept for each component assembly. The total number of items of equipment potentially containing the defect, as referenced above, was determined by BorgWarner's process traceability data.

The affected vehicles are equipped with a start stop accumulator that may have missing or loose bolts.

Total number potentially affected: 515 (GM – 342, Ford – 173)

Production Dates : JAN 05, 2018 - JUL 10, 2020

Brand / Trade 4 : GM

Model : Start Stop Accumulator (SSA)

Part No. : 24292629

Size : 180X110X140mm

Function : NR

Descriptive Information : The recall population was determined by the OEM (Ford and GM) after examination of retained process data that is kept for each component assembly. The total number of items of equipment potentially containing the defect, as referenced above, was determined by BorgWarner's process traceability data.

The affected vehicles are equipped with a start stop accumulator that may have missing or loose bolts.

Total Number potentially affected: 515 (GM – 342, Ford – 173)

Production Dates : JAN 05, 2018 - JUL 10, 2020

Brand / Trade 5 : Ford

Model : Start Stop Accumulator (SSA)

Part No. : JM5P 7P184 CB

Size : 180X110X140mm

Function : NR

Descriptive Information : The recall population was determined by the OEM (Ford and GM) after examination of retained process data that is kept for each component assembly. The total number of items of equipment potentially containing the defect, as referenced above, was determined by BorgWarner's process traceability data.

The affected vehicles are equipped with a start stop accumulator that may have missing or loose bolts.

Total Number Potentially Affected: 515 (GM – 342, Ford – 173)

Production Dates : JAN 05, 2018 - JUL 10, 2020

Description of Defect :

Description of the Defect : The affected vehicles are equipped with a start stop accumulator that may have missing or loose bolts.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Missing or loose bolts on the start stop accumulator endcap could potentially result in a transmission oil leak and may eventually progress to a loss of transmission function. A transmission oil leak in the presence of an ignition source may increase the possible risk of fire.

Description of the Cause : NR

Identification of Any Warning that can Occur : Reference Safety Recall Reports 20V-550 (Ford) and 20V-668 (GM).

Involved Components :

Component Name : NR

Component Description : NR

Component Part Number : NR

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR
NR

Country : NR

Chronology :

All dates 2020

For customer GM:

On July 13, BorgWarner (BWA) was notified by GM San Luis Potosi (SLP) plant of two allegedly missing bolts on two stop-start accumulators (SSAs.)

On July 14, BWA began containment efforts at our Water Valley (WV) SSA manufacturing site.

On July 15, BWA began sorting at GM SLP

On July 16, BWA added programming to the manufacturing line to detect potentially nonconforming (PNC) parts (missing torque values.)

On July 17, BWA began shipment of certified material to GM. A database query was added to the process as a detection permanent corrective action (PCA) for PNC parts. BWA also began bench testing of SSAs in WV.

On July 24, BWA added programming to manufacturing equipment as preventive PCA for PNC parts.

On July 27, BWA test results indicated less than full life expectancy for the suspect population. The customer was notified immediately thereafter in daily teleconference.

On July 29, BWA provided GM with a serial number list of 342 suspect SSAs, 53 of which had already been contained.

For customer Ford:

On July 14, BWA began containment efforts at our WV SSA manufacturing site.

On July 16, BWA informed Ford that it had shipped 10 suspect SSAs to the Ford Livonia Transmission Plant with two of the four endcap bolts potentially missing or loose.

On July 17, BWA began shipment of certified material to Ford. A database query was added to the process as a detection PCA for PNC parts. BWA also began bench testing of SSAs in WV

On July 24, BWA added programming to manufacturing equipment as preventive PCA for PNC parts. BWA provided Ford with a serial number list of 173 suspect SSAs that were delivered to the Ford Livonia Transmission Plant, 8 of which were contained.

On July 27, BWA test results indicated less than full life expectancy for the suspect population. The customer was notified immediately thereafter in daily teleconference.

Please refer to GM recall 20V-668 and Ford recall 20V-550 for vehicle actions.

Description of Remedy :

Description of Remedy Program : Reference Safety Recall Reports 20V-550 (Ford) and 20V-668 (GM).

How Remedy Component Differs from Recalled Component : Reference Safety Recall Reports 20V-550 (Ford) and 20V-668 (GM).

Identify How/When Recall Condition was Corrected in Production : On July 16, 2020, Borg Warner corrected the assembly line logic to prevent accumulators from passing without properly installed and torqued endcap bolts.

Recall Schedule :

Description of Recall Schedule : The Ford dealer notification dates were September 10, 2020 and owner notification dates September 21 - September 25, 2020. The GM dealer notification dates were October 29, 2020, and the owner notification dates were December 14, 2020. The recalled population has been identified by BorgWarner's customers, Ford Motor Company and General Motors LLC, and both of these entities have submitted Part 573 Reports (See Ford Recall Report No. 20V-550 and GM Recall Report No. 20V-668) setting forth the notification that has been undertaken to dealers and owners regarding the inspection and replacement of the entire recalled population at no cost to the vehicle owners.

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : NR - NR

Purchaser Information :

The following manufacturers purchased this defective/noncompliant equipment for possible use or installation in new motor vehicles or new items of motor vehicle equipment:

Name : Ford Motor Co.

Address : 330 Town Center Drive
Suite 500 Dearborn MI 48126-2738

Country : US

Company Phone : 3136430583

Name : General Motors LLC

Address : 29427 Louis Chevrolet Road
Mail Code 480-210-2V Warren MI 48093

Country : US

Company Phone : 5869229161

* NR - Not Reported