

Part 573 Safety Recall Report

22E-032

Manufacturer Name : NTN Bearing Corporation of America

Submission Date : APR 20, 2022

NHTSA Recall No. : 22E-032

Manufacturer Recall No. : Ref MFG Comments



Manufacturer Information :

Population :

Manufacturer Name : NTN Bearing Corporation of America

Number of potentially involved : 1,859

Address : 39255 W. 12 Mile Road

Estimated percentage with defect : 100 %

Farmington Hills MI 48331

Company phone : 929-3842

Equipment Information :

Brand / Trade 1 : NTN Driveshaft Anderson

Model : Front LH Acura RDX Driveshaft

Part No. : 44306-TJB-A51

Size : NR

Function : NR

Descriptive Information : The recall population was determined based on supplier manufacturing records. The population range reflects all possible driveshafts that could experience the problem.

Production Dates : SEP 22, 2021 - SEP 24, 2021

Brand / Trade 2 : NTN Driveshaft Anderson

Model : Front RH CR-V Hybrid Driveshaft

Part No. : 44305-TMA-H01

Size : NR

Function : NR

Descriptive Information : The recall population was determined based on supplier manufacturing records. The population range reflects all possible driveshafts that could experience the problem.

Production Dates : SEP 23, 2021 - SEP 24, 2021

Brand / Trade 3 : NTN Driveshaft Anderson

Model : Front LH CR-V Driveshaft

Part No. : 44306-TMA-H01

Size : NR

Function : NR

Descriptive Information : The recall population was determined based on supplier manufacturing records. The population range reflects all possible driveshafts that could experience the problem.

Production Dates : SEP 22, 2021 - SEP 24, 2021

Brand / Trade 4 : NTN Driveshaft Columbus

Model : Rear Cadillac Escalade Driveshaft

Part No. : 84747323/84747324

Size : NR

Function : NR

Descriptive Information : The recall population was determined based on supplier manufacturing records. The population range reflects all possible driveshafts that could experience the problem.

Production Dates : SEP 21, 2021 - SEP 24, 2021

Brand / Trade 5 : NTN Driveshaft Columbus

Model : Rear Chevrolet Tahoe Driveshaft

Part No. : 84747323/84747324

Size : NR

Function : NR

Descriptive Information : The recall population was determined based on supplier manufacturing records. The population range reflects all possible driveshafts that could experience the problem.

Production Dates : SEP 21, 2021 - SEP 24, 2021

Brand / Trade 6 : NTN Driveshaft Columbus
Model : Rear Chevrolet Suburban Driveshaft
Part No. : 84747323/84747324
Size : NR
Function : NR

Descriptive Information : The recall population was determined based on supplier manufacturing records. The population range reflects all possible driveshafts that could experience the problem.

Production Dates : SEP 21, 2021 - SEP 24, 2021

Brand / Trade 7 : NTN Driveshaft Columbus
Model : Rear GMC Yukon XL Driveshaft
Part No. : 84747323/84747324
Size : NR
Function : NR

Descriptive Information : The recall population was determined based on supplier manufacturing records. The population range reflects all possible driveshafts that could experience the problem.

Production Dates : SEP 21, 2021 - SEP 24, 2021

Brand / Trade 8 : NTN Driveshaft Columbus
Model : Rear GMC Yukon Driveshaft
Part No. : 84747323/84747324
Size : NR
Function : NR

Descriptive Information : The recall population was determined based on supplier manufacturing records. The population range reflects all possible driveshafts that could experience the problem.

Production Dates : SEP 21, 2021 - SEP 24, 2021

Brand / Trade 9 : NTN Driveshaft Columbus
Model : Rear Cadillac Escalade ESV driveshaft
Part No. : 84747323/84747324
Size : NR
Function : NR

Descriptive Information : The recall population was determined based on supplier manufacturing records. The population range reflects all possible driveshafts that could experience the problem.

Production Dates : SEP 21, 2021 - SEP 24, 2021

Description of Defect :

Description of the Defect : Improper heat treatment of steel ball component which was assembled in driveshaft

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Improper heat treatment of steel ball component will result in increased wear and premature failure of the driveshaft. This condition increases the risk of a crash or personal injury.

Description of the Cause : NR

Identification of Any Warning that can Occur : NR

Involved Components :

Component Name : Steel Ball

Component Description : Steel Ball Bearing

Component Part Number : 7707816234

Supplier Identification :

Component Manufacturer

Name : TN Georgia, Inc

Address : 2200 Pendley Rd

Cumming Georgia 30041

Country : United States

Chronology :

September 23, 2021

NTN Driveshaft Anderson, Inc. identified a steel ball component issue from a hard to install condition of the joint sub-assembly. Hardness confirmation of steel ball component confirmed insufficiently heat-treated steel balls. NTN Driveshaft Columbus was also notified.

September 27, 2021

Tier-2 supplier of the steel ball component confirmed only specific production lots received abnormal heat-treatment due to improper air/gas mixture and temperature variation from furnace misfires.

September 30, 2021

NTN Driveshaft Anderson, Inc. informed Honda of potentially suspect driveshafts that were shipped to Honda. These potentially suspect driveshafts were assembled with insufficiently heat-treated steel balls for the front drives shaft outboard joint sub-assembly.

October 4, 2021

NTN Driveshaft Columbus informed GM of the potentially suspect Driveshafts shipped to GM plant. These potentially suspect driveshafts were also assembled with insufficiently heat-treated steel balls for the front drives shaft outboard joint sub-assembly.

Mid-October to mid-November, 2021

NTN completed reproduction testing of the potentially suspect parts. After continued use, the steel balls could deform from heat generated by the driveshaft, resulting in outboard joint sub-assembly seizure and driveshaft failure.

November 25, 2021

Honda determined that a defect related to motor vehicle safety existed and decided to conduct a safety recall. Reference Honda Campaign Number BBY, NBW, OBX

January 20, 2022

GM also decided to conduct a safety recall against potentially effected parts established through traceability efforts.

Reference General Motors Campaign Numbers 212351030, N212351031, and N212351032

As of 3/29/22, to the best of our knowledge, Honda and GM has not received any warranty claims, field reports nor reports of crashes or injuries related to this issue.

Description of Remedy :

Description of Remedy Program : NTN will fully reimburse the purchaser (Honda) and (General Motors) up to 100% of the affected vehicles as billed back monthly by the purchaser (Honda and General Motors).
The Vehicle OEM's will be responsible for the completion rates with the end customer.

How Remedy Component Differs from Recalled Component : Proper heat-treatment of the steel ball component assembled into the driveshaft component

Identify How/When Recall Condition was Corrected in Production : June 4th, 2021
Defect condition- Improper air/gas mixture from soot buildup on air supply valve caused furnace misfires which led to improper heat-treatment.

June 6th, 2021
Corrected condition- Air/gas mixing valve adjustment to eliminate misfire of the heat-treat furnace for proper heat treatment and connected continuous monitoring data logger system for low temperature in heat-treat furnace.

Recall Schedule :

Description of Recall Schedule : Planned Honda Dealer Notification Date; 12/3/2021
Planned Honda Owner Notification Date: 1/24/2022

Planned General Motors Dealership Notification: 1/27/2022
Planned General Motors Owner Notification: 4/15/2022

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 : General Motors LLC

Address : 300 Renaissance Center
Detroit MI 48232

Country : US

Company Phone : 5869075322

Name : American Honda Motor Co., Inc

Address : 1919 Torrance Boulevard
Torrance CA 90501

Country : US

Company Phone : 3107833401

* NR - Not Reported