

Part 573 Safety Recall Report

21E-090

Manufacturer Name : WABCO USA LLC

Submission Date : OCT 26, 2021

NHTSA Recall No. : 21E-090

Manufacturer Recall No. : NR



Manufacturer Information :

Manufacturer Name : WABCO USA LLC

Address : 2135 West Maple Road

Troy MI 48084

Company phone : 248-435-8001

Population :

Number of potentially involved : 277

Estimated percentage with defect : 100 %

Equipment Information :

Brand / Trade 1 : WABCO Trailer ABS

Model : iABS-2M

Part No. : See Descriptive Info

Size : NR

Function : NR

Descriptive Information : A low-torque logic was used in a rework station in production at WABCO, and screws on the bracket cover and end cover of iABS units that had been reprocessed at this station were found to be under-torqued. The relevant WABCO part numbers are 400 500 420 0 (standard) and 400 500 430 0 (premium).

Production Dates : SEP 19, 2019 - OCT 06, 2021

Description of Defect :

Description of the Defect : Screws securing the bracket cover and end cover of certain iABS units may have been under-torqued, creating the potential for the screws to back out over time and create a loss of pressure inside the unit.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If under-torqued screws back out over time, there could be a potential loss of service braking or loss of control pressure for a trailer connected to the iABS during operation without warning, which could increase the risk of a vehicle crash.

Description of the Cause : Machine logic at the station was incorrectly programmed to provide a lower force to devices that had undergone rework.

Identification of Any Warning NR
that can Occur :

Involved Components :

Component Name : iABS-2M

Component Description : Trailer Anti-lock Braking System

Component Part Number : 400 500 420 0 (standard) and 400 500 430 0 (premium)

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

On August 17, 2021, during an internal audit process, WABCO detected that the rework / re-insertion logic at a work station in its North Charleston assembly plant was incorrect. The logic forced the assembly tool at the station to drive self-tapping screws on the iABS bracket cover and end cover to a final torque that was below the design requirement. WABCO immediately contained potentially affected parts and initiated an investigation. WABCO concluded that additional screws may have been affected, contacted customers that were shipped potentially affected parts, and continued its investigation. On October 22, 2021, WABCO made the decision to submit a Part 573 report to NHTSA based on available information. To date, WABCO has received no warranty claims or reports of accidents or injuries related to this condition.

Description of Remedy :

Description of Remedy Program : WABCO will work with its customers to provide detailed instructions to identify, diagnose and repair or replace affected components that may have under-torqued screws as a result of the rework.

Pursuant to 49 CFR 577.11(e), WABCO requests that it be exempt from providing notification of a reimbursement plan. Any pre-notification product failure would have been replaced under the manufacturer's limited warranty. Accordingly, no person would be eligible for reimbursement pursuant to 573.13.

How Remedy Component Differs from Recalled Component : Replacement iABS units have been assembled using adequate torque applied to screws at both the bracket cover and end cover.

Identify How/When Recall Condition was Corrected in Production : WABCO created an immediate corrective action for the production logic on the same day the condition was discovered. The correct torqueing was confirmed through a number of trials and reviews conducted between August 17, 2021 and August 20, 2021. WABCO also added a detection process at a later station to confirm all torques are in specification.

Recall Schedule :

Description of Recall Schedule : WABCO has notified its vehicle-manufacturer customers about the issue and will work with those customers to address the issue with distributors and owners. WABCO does not have dealers; therefore, it has not populated the Planned Dealer Notification portion of this report and will not be issuing a dealer notification.

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 : Great Dane LLC

Address : 222 N. La Salle St Ste 920
Chicago IL 60601

Country : US

Company Phone : 7735794727

Name : Timpte, Inc.

Address : 1827 Industrial Drive
David City NE 68662

Country : US

Company Phone : 4023676320

* NR - Not Reported