

Part 573 Safety Recall Report

18V-521

Manufacturer Name : BYD Coach & Bus

Submission Date : APR 19, 2020

NHTSA Recall No. : 18V-521

Manufacturer Recall No. : NR



Manufacturer Information :

Manufacturer Name : BYD Coach & Bus

Address : 46147 BYD Blvd
Lancaster CA 93534

Company phone : 661-940-3250

Population :

Number of potentially involved : 14

Estimated percentage with defect : 40 %

Vehicle Information :

Vehicle 1 : 2016-2017 BYD K11M

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : HYBRID ELECTRIC

Descriptive Information : Breakage of the guide pin can cause a reduction of braking ability and an increase in stopping distances, or a loss of tire pressure, increasing the risk of a crash.

Production Dates : JAN 01, 2016 - NOV 30, 2017

VIN Range 1 : Begin : 4B9KCLA55G2038002 **End :** 4B9KCLA58H2038142 ☒ Not sequential

Description of Defect :

Description of the Defect : On the ZF center axle of a sixty foot articulated bus, Improper surface roughness of a guide pin in radial brake calipers supplied by Knorr-Bremse may cause increased friction, creating noise and, if undetected, potentially leading to breaking of the brake carriage guide pin support bolt, uneven brake pad wear, tapered wear of the brake pads, and brake pad contact with the surface of the wheel. Please refer to Equipment Recall 18E-025.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If undetected, the vehicle could suddenly lose tire pressure or brake function, increasing the risk of collision. The vehicle may also experience reduced parking brake functionality.

Description of the Cause : The surface of the guide pins used on the center axle Knorr-Bremse SB model radial brake calipers, may not have been manufactured to proper tolerance. Roughness of the guide pin may result in the application of additional stress to the brake carriage guide pin support bolt, causing it to fracture. Please Refer to Equipment Recall 18E-025.

Identification of Any Warning that can Occur : Noise may be audible from the location of the axle.

Involved Components :

Component Name 1 : NR

Component Description : NR

Component Part Number : NR

Supplier Identification :

Component Manufacturer

Name : Knorr-Bremse AG

Address : Moosacher Str. 80
Munich FOREIGN STATES 80809

Country : Germany

Chronology :

10 buses were upgraded on 10/20/2018. Received service reports from vendor's contractor.

1 bus was upgraded on 12/4/2018. Received service report from vendor's contractor.

2 buses were upgraded on 1/23/2020. Received service report from vendor's contractor.

Description of Remedy :

Description of Remedy Program : Vendor sent email to BYD saying will revert back with a plan including support (compensation).

How Remedy Component Differs from Recalled Component : Axle Serial Numbers - The recall population of the Knorr-Bremse SB model radial brake caliper installed on the ZF center axle of sixty foot articulated buses are based on the ZF production data with regards to specific axle serial numbers installed on BYD production buses.

Identify How/When Recall Condition was Corrected in Production : Based on the VIN's that were determined by the serial numbers.

Recall Schedule :

Description of Recall Schedule : Customer notifications will begin once the recall report is approved by NHTSA.

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : SEP 04, 2018 - SEP 30, 2018

* NR - Not Reported