

Part 573 Safety Recall Report

23V-145

Manufacturer Name : Xos, Inc.**Submission Date :** MAR 03, 2023**NHTSA Recall No. :** 23V-145**Manufacturer Recall No. :** REC 002-23**Manufacturer Information :**

Manufacturer Name : Xos, Inc.

Address : 3550 Tyburn St.
Los Angeles CA 90065

Company phone : 316-1890

Population :

Number of potentially involved : 275

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2021-2021 Xos RM01

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : NR

Descriptive Information : The recall population was determined by production records. The recalled products differ from other products that were not included in the recall because, during the specified production period, an incorrect torque specification may have been applied to the bolts which connect the driveshaft to the electronic parking brake. The recall population includes one (1) Xos RM01 chassis as a potentially involved vehicle.

Production Dates : DEC 23, 2021 - DEC 23, 2021

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 2 : 2021-2022 Xos SV05

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : NR

Descriptive Information : The recall population was determined by production records. The recalled products differ from other products that were not included in the recall because, during the specified production period, an incorrect torque specification may have been applied to the bolts which connect the driveshaft to the electronic parking brake. The recall population includes 254 Xos SV05 vehicles as potentially involved vehicles.

Production Dates : DEC 23, 2021 - FEB 13, 2023

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 3 : 2021-2021 Xos SA01

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : NR

Descriptive Information : The recall population was determined by production records. The recalled products differ from other products that were not included in the recall because, during the specified production period, an incorrect torque specification may have been applied to the bolts which connect the driveshaft to the electronic parking brake. The recall population includes twenty (20) SA01 vehicles as potentially involved vehicles.

Production Dates : FEB 21, 2022 - NOV 04, 2022

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Description of Defect :

Description of the Defect : During the specified production period, the torque rating specification applied to the bolts connecting the electronic parking brake rotor to the driveshaft was too low. As a result, there is a risk that the driveshaft may separate from the vehicle.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : In the event of driveshaft separation, customers may experience loss of motive power while driving, increasing the risk of a crash.

Description of the Cause : The torque rating applied to the bolts connecting the electronic parking brake rotor to the driveshaft was misidentified due to an oversight in the engineering process.

Identification of Any Warning that can Occur : NR

Involved Components :

Component Name 1 : Driveline Assembly

Component Description : Medium Duty, WB178

Component Part Number : RM01-MB-A0028-A

Component Name 2 : Flange Yoke

Component Description : NR

Component Part Number : VN00-MB-M0003-A

Supplier Identification :

Component Manufacturer

Name : Xos, Inc.
Address : 3550 Tyburn St.
Los Angeles California 90065
Country : United States

Chronology :

On February 9, 2023, Xos engineering initiated an investigation into reports of drive shaft separations involving the subject vehicles. A review of service records indicated that there had been four reports involving three vehicles (one owner reported a second occurrence on the same vehicle). On February 15, 2023 the engineering team concluded that the torque specification applied to the bolts connecting the driveshaft to the electronic park brake was too low for the application and identified the proper torque specification.

On February 24, 2023, the topic was presented to Xos's Product Safety Committee. Based upon the information presented, the Product Safety Committee decided to initiate a recall to address this condition. To date, there have been four reports between October 13, 2022 and February 8, 2023 related to this issue, with no reports of accidents or injuries related to this condition.

Description of Remedy :

Description of Remedy Program :	The affected bolts and related hardware on the affected vehicles will be replaced at no cost to customers. All of the subject vehicles remain under the manufacturer's warranty. Therefore, pursuant to 49 CFR 577.11 (e), Xos requests an exemption from the reimbursement plan requirements.
How Remedy Component Differs from Recalled Component :	The recall remedy component can be distinguished from the recalled component because the remedy component will be installed at the correct torque specification.
Identify How/When Recall Condition was Corrected in Production :	Vehicles shipped after February 13, 2023 include the correct torque rating specification on the subject component.

Recall Schedule :

Description of Recall Schedule :	Customers and Dealers will be notified of the pending voluntary recall campaign beginning in March 2023. Copies of communications will be provided when available.
Planned Dealer Notification Date :	MAR 28, 2023 - MAR 28, 2023
Planned Owner Notification Date :	MAR 28, 2023 - MAR 28, 2023

* NR - Not Reported