

Part 573 Safety Recall Report

24V-296

Manufacturer Name : Bucher Municipal North America**Submission Date :** MAY 16, 2024**NHTSA Recall No. :** 24V-296**Manufacturer Recall No. :** NR**Manufacturer Information :****Population :**

Manufacturer Name : Bucher Municipal North America

Number of potentially involved : 383

Address : 105 Motorsports Road

Estimated percentage with defect : 100 %

Mooresville NC 28115

Company phone : 658-1333

Vehicle Information :

Vehicle 1 : 2014-2020 Johnston VT651

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : Recall population was determined because the component pin containing the defect (identified as Rev B pin) was installed by the foreign manufacturing affiliate in the sweeper machines during the period of production identified. Prior to December 2014 and after December 2020, a pin with an alternative coating (identified as Rev A and Rev C pins, respectively) was used by the affiliate to manufacture the subject sweeper machines.

Production Dates : DEC 01, 2014 - DEC 31, 2020

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2014-2020 Johnston VT652

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : Recall population was determined because the component pin containing the defect (identified as Rev B pin) was installed by the foreign manufacturing affiliate in the sweeper machines during the period of production identified. Prior to December 2014 and after December 2020, a pin with an alternative coating (identified as Rev A and Rev C pins, respectively) was used by the affiliate to manufacture the subject sweeper machines.

Production Dates : DEC 01, 2014 - DEC 31, 2020

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 3 : 2014-2020 Johnston VS651

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : Recall population was determined because the component pin containing the defect (identified as Rev B pin) was installed by the foreign manufacturing affiliate in the sweeper machines during the period of production identified. Prior to December 2014 and after December 2020, a pin with an alternative coating (identified as Rev A and Rev C pins, respectively) was used by the affiliate to manufacture the subject sweeper machines.

Production Dates : DEC 01, 2014 - DEC 31, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 4 : 2014-2020 Johnston VS652

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : Recall population was determined because the component pin containing the defect (identified as Rev B pin) was installed by the foreign manufacturing affiliate in the sweeper machines during the period of production identified. Prior to December 2014 and after December 2020, a pin with an alternative coating (identified as Rev A and Rev C pins, respectively) was used by the affiliate to manufacture the subject sweeper machines.

Production Dates : DEC 01, 2014 - DEC 31, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 5 : 2014-2020 Johnston VT801

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : Recall population was determined because the component pin containing the defect (identified as Rev B pin) was installed by the foreign manufacturing affiliate in the sweeper machines during the period of production identified. Prior to December 2014 and after December 2020, a pin with an alternative coating (identified as Rev A and Rev C pins, respectively) was used by the affiliate to manufacture the subject sweeper machines.

Production Dates : DEC 01, 2014 - DEC 31, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 6 : 2014-2020 Johnston VS802

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : Recall population was determined because the component pin containing the defect (identified as Rev B pin) was installed by the foreign manufacturing affiliate in the sweeper machines during the period of production identified. Prior to December 2014 and after December 2020, a pin with an alternative coating (identified as Rev A and Rev C pins, respectively) was used by the affiliate to manufacture the subject sweeper machines.

Production Dates : DEC 01, 2014 - DEC 31, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 7 : 2014-2020 Bucher V65t

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : Recall population was determined because the component pin containing the defect (identified as Rev B pin) was installed by the foreign manufacturing affiliate in the sweeper machines during the period of production identified. Prior to December 2014 and after December 2020, a pin with an alternative coating (identified as Rev A and Rev C pins, respectively) was used by the affiliate to manufacture the subject sweeper machines.

Production Dates : DEC 01, 2014 - DEC 31, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : The pin securing the hydraulic rear door cylinder may fail due to corrosion and seizing of the pin, which may cause the rear door of the sweeper machine, if open, to drop to its vertical position. The pin at issue is fitted to hydraulic cylinder which opens and closes the rear doors on the affected sweepers.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : The pin secures the rear door's hydraulic cylinder in position. If the pin fails when the rear door is open in a near horizontal position, the door may drop to its vertical position without warning, which could cause serious injury or death to operators or bystanders who are under the open rear door of the sweeper machine.

Description of the Cause : The coating on the pin may not prevent corrosion, which could lead to the pin seizing, cracking or breaking from use.

Identification of Any Warning that can Occur : NR

Involved Components :

Component Name 1 : Pin

Component Description : Pin used in sweeper machine hydraulic rear door cylinder

Component Part Number : NR

Supplier Identification :**Component Manufacturer**

Name : Bucher Municipal Limited

Address : Curtis Road
Dorking Surrey Foreign States RH4 1XF

Country : United Kingdom

Chronology :

See attached document titled "Basis of Safety Defect Determination 573.6(c)(6) Chronology."

Description of Remedy :

Description of Remedy Program : BMNA has instructed dealers through TB1813 to request inspection of all affected sweeper machines for damaged pins and to install a retaining bracket to the rear door to prevent the door falling in the event of a pin failure. BMNA plans to instruct owners to install a retaining bracket to the rear door through TB1813, if not already performed. BMNA will provide new pins and instruct dealers and owners of the affected machines to use the new pins and replace the defective ones through TB1816. At the same time, BMNA plans to provide dealers and owners revised operator and maintenance instructions for the load discharge area around the affected rear door, to include new warning decals to be fitted on the rear of the vehicle, updated instructions for load discharge and cleaning process, and updated maintenance schedules, as identified in TB1811. The cost of reimbursement can be claimed from the dealer who will reimburse the owner at normal labor rates and any pre-agreed travel costs. The materials will be issued free of charge or if purchased prior to notice, will be reimbursed in full. The dealer will then claim the cost back from BMNA.

How Remedy Component Differs : The remedy component that BMNA plans to provide to dealers and owners

from Recalled Component : is a new pin provided by the manufacturer affiliate BML that is made from 17-4PH stainless steel, with a new part number identification stamped in the center mark. The high strength and anti-corrosion properties of this new material removes the requirement for an additional surface coating the pin.

Identify How/When Recall Condition was Corrected in Production : The affected pin with the inferior coating (Rev B pin) was replaced by the manufacturer affiliate BML with a pin with an alternative coating (Rev C pin) in approximately January 2021.

Recall Schedule :

Description of Recall Schedule : Dealers will be notified of the affected units, plan for repairs, and necessary instructions by email. Dealers will also receive parts and materials kits by June 21, 2024, to make the required repairs and modifications. BMNA is gathering owner identities and information for notifications. Once the owner notifications are completed and approved and the owner information is confirmed, BMNA will begin sending notifications out immediately.

Planned Dealer Notification Date : JUN 03, 2024 - NR

Planned Owner Notification Date : JUN 17, 2024 - NR

* NR - Not Reported