

Part 573 Safety Recall Report

19V-925

Manufacturer Name : Toyne Inc.**Submission Date :** DEC 30, 2019**NHTSA Recall No. :** 19V-925**Manufacturer Recall No. :** NR**Manufacturer Information :**

Manufacturer Name : Toyne Inc.

Address : 104 Granite Ave.

PO Box 10 Breda IA 51436

Company phone : 673-2328

Population :

Number of potentially involved : 2

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2018-2019 Sparta Metro Star or Gladiator

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The recall population was determined by using Spartan's part numbers 0918-MM5-017 and 0918-MM5-018 for the brake relay valve. These part numbers correlate to Haldex's part numbers N30096PA and N30096P respectively. There are 69 K2, K3, and K4 model motor home chassis and 23 Gladiator and Metro Star model emergency response chassis cabs that may have been equipped with the relay valves built within the suspect date range provided by Wabco. Please note, in this case, Wabco is the supplier to Spartan for the affected valves but Haldex is the actual manufacturer.

Production Dates : DEC 07, 2017 - MAR 12, 2019

VIN Range 1 : Begin : NR

End : NR

 Not sequential**Description of Defect :**

Description of the Defect : Vehicles affected by this recall may be equipped with brake relay valves in which an orifice within the valve may be restricted inhibiting air flow. The restriction of air flow can cause the affected vehicles to fail to comply with the service brake application timing requirements S5.3.3.1 (a) With an initial service reservoir system air pressure of 100 psi, the air pressure in each brake chamber shall, when measured from the first movement of the service brake control, reach 60 psi in not more than 0.45 second in the case of trucks and buses...

FMVSS 1 : 121 - Air brake systems

FMVSS 2 : NR

Description of the Safety Risk : Depending on the amount of restriction, an increase in the application of the service brakes may result in an increase in stopping distance which may

Description of the Cause : result in a crash
Pending

Identification of Any Warning that can Occur : While the condition may be detected by brake drag due to slow release of the service brakes, an increase in stopping distance may occur without warning and potentially increase the risk of a crash

Supplier Identification :

Component Manufacturer

Name : Haldex Products de Mexico, S. A. de C. V
Address : NR
FOREIGN STATES 66627
Country : Mexico

Chronology :

On February 9, 2019, during internal brake timing testing, an emergency response chassis cab was tested and found to grossly exceed the service brake application timing requirements. The brake relay valve was removed and determined to be an attribute to the failed timing. The relay valve was returned to Wabco, who in turn returned the valve to Haldex, for evaluation. On, or near, March 28 2019 Wabco informed Spartan that Haldex determined the returned brake relay valve had air flow restriction due to a "missed" machining process. Spartan asked for more information to try and determine the potential number of affected brake relay valves. On April 22, 2019 and after having traced information to the casting supplier located in China, Spartan received information from Wabco that identified shipment data for a suspect lot of brake relay valves. Spartan then traced the parts subject to that shipment to specific vehicle identification numbers. On April 30, 2019 a final review of all information was conducted and on May 6, 2019 in an overabundance of caution, Spartan made the determination a non-compliance to FMVSS 121 may exist in the affected vehicles.

Description of Remedy :

Description of Remedy Program : Toyne will issue owner notifications to have the valve inspected and if needed, replaced at no charge. All vehicles affected by this recall are within their warranty period and any identified non-conforming parts would be replaced through warranty.

How Remedy Component Differs from Recalled Component : In certain cases, valves determined to be conforming were marked with a green dot.

Identify How/When Recall Condition was Corrected in Production : On or near, March 12, 2019, valves in process and in inventory were inspected to ensure the orifices were not blocked. Other than the one piece from the test in February 2019, no other non-conforming relay valves have been identified.

Recall Schedule :

Description of Recall Schedule : Toyne will send owners notifications based on the dates provided

Planned Dealer Notification Date : DEC 30, 2019 - DEC 30, 2019

Planned Owner Notification Date : DEC 30, 2019 - DEC 30, 2019

* NR - Not Reported