Part 573 Safety Recall Report 22V-780

Manufacturer Name : Precision Industries, Inc.
Submission Date : OCT 17, 2022
NHTSA Recall No. : 22V-780
Manufacturer Recall No. : NR

Manufacturer Information :

Manufacturer Name : Precision Industries, Inc.
Address : 524 S Business Rte 5
Camdenton MO 65020
Company phone : 5733468387

Population :

Number of potentially involved : 2
Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2021-2021 Spartan Metrostar
Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES
Body Style : 4-DOOR
Power Train : DIESEL
Descriptive Information : We received a listing from Weldon of the affected nodes. There were four affected nodes. These affected nodes were identified as being installed on these two trucks below.
Production Dates : JUL 30, 2021 - OCT 26, 2021

VIN Range 1 :	Begin :	4S9CT2D99MC560506	End :	4S9CT2D99MC560506	☑ Not sequential
VIN Range 2 :	Begin :	4S9CT2D93MC560405	End :	4S9CT2D93MC560405	☐ Not sequential

Description of Defect :

Description of the Defect : Weldon, a division of Akron Brass Company, produces Node, an electrical multiplex module, under both a private label to a single customer as well as to multiple OEMs for installation in emergency vehicles. In the affected products, the Node contains a termination resistor installed on the node circuit board instead of the termination resistor being installed only within the electrical harness. If the vehicle network design has not accounted for this additional resistor, it may reduce the bus resistance below the defined tolerance levels and may lead to a loss of data on the CAN network. Installations with multiple nodes are more likely to experience the condition.

FMVSS 1 : NR
FMVSS 2 : NR

Description of the Safety Risk : If the bus resistence is reduced, the CAN network connection could faill which may interrupt the transfer of data on this connection. If the CAN network connection is interrupted or fails and depending on how the vehicle's electrical systems are designed, it may impact the operation of various

	electrical loads controlled by the Node, including vehicle lighting, which may increase the risk of a crash.
Description of the Cause :	Per Weldon - Due to a bill of material error, a resistor installed on the printed circuit board was inadvertently included
Identification of Any Warning that can Occur :	None per Weldon

Involved Components :

Component Name 1 :	V-mux Hercules HC Node 1.5
Component Description :	Multiplex Input / Output Node for Weldon V-mux compatible systems
Component Part Number :	6060-1000-00,

Supplier Identification :

Component Manufacturer

Name :	Weldon Division of Akron Brass
Address :	3656 Paragon Drive Columbus Ohio 43228
Country :	United States

Chronology :

Per Weldon - On April 29, 2022, Weldon was contacted by an OEM that described an issue with the CAN connection when
installing the Node. Weldon was able to isolate the issue to the inclusion of the additional termination resistor on the circuit board. Weldon stopped the shipment of additional units. On May 2, 2022, Weldon reviewed the technical details affecting the Node to confirm the issue, considered whether the same issue impacts any similar products and decided to conduct a safety recall. On May 3, 2022, Weldon determined a recent shipment of a variation of the Node sold under a private label and to a single customer was also impacted. Weldon confirmed with the customer these units had never been installed in a vehicle and remained in the customer's inventory. Weldon secured all of the affected products from the customer's inventory and on May 4, 2022 reworked those units to remove the additional resistor.

Description of Remedy :

Description of Remedy Program :	We received four replacement nodes from Weldon. We removed the two affected nodes from each of the two trucks and installed the corrected replacement nodes that we were provided from Weldon.
How Remedy Component Differs from Recalled Component :	Per Weldon - the remedy component will have the additional termination resistor removed from the circuit board.
Identify How/When Recall Condition was Corrected in Production :	Per Weldon - Existing inventory at Weldon was isolated and shipments placed on hold on 4/29/2022, the same day the potential issue was first reported to Weldon. Any affected product in Weldon's inventory will be reworked and a new part number issued.

Recall Schedule :

Description of Recall Schedule :	NR
Planned Dealer Notification Date :	NR - NR
Planned Owner Notification Date :	NR - NR

* NR - Not Reported