Part 573 Safety Recall Report 15V-540

Manufacturer Name : Spartan Motors USA
Submission Date : OCT 20, 2016
NHTSA Recall No. : 15V-540
Manufacturer Recall No. : 15019

Manufacturer Information :

Manufacturer Name : Spartan Motors USA
Address : 1541 Reynolds Road
Charlotte MI 48813
Company phone : 517-543-6400

Population :

Number of potentially involved : 696
Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2012-2015 Spartan ER Gladiator and MetroStar
Vehicle Type :
Body Style :
Power Train : NR
Descriptive Information : This recall impacts chassis cabs that are completed as emergency response vehicles. The affected vehicles are equipped with a 10 inch, or greater, raised roof, medium four door, or longer cab.
Production Dates : MAR 04, 2013 - DEC 17, 2014
VIN Range 1 : Begin : NR End : NR ☐ Not sequential

Description of Defect :

Description of the Defect : Front splay rails may exhibit cracks in the parent frame material.
FMVSS 1 : NR
FMVSS 2 : NR
Description of the Safety Risk : If the parent material of the front splay rails completely separate, the cab may collapse when being raised.
Description of the Cause : The cause of the defect has been determined to be insufficient weld penetration in the area where cracking may occur.
Identification of Any Warning that can Occur : Cracks can occur without warning.

Supplier Identification :

Component Manufacturer

Name : Nex Solutions
Address : 900 Soutn Anderson Road
Litchfield MICHIGAN 49252
Country : United States

Chronology :

August 2015, Spartan received notice of a crack in the front splay rail. Spartan sought to identify a population of affected vehicles in order to begin a more in depth investigation. Due to the nature of the failure and inherent risks, Spartan determined a safety related defect might exist on August 18, 2015 and filed a defect information report with NHTSA on August 24, 2015. Through the course of the inspections during the interim notifications, certain vehicles were identified as having splay rails that exhibited cracking in the parent material. The splay rails on those units were removed, and replaced, and returned for analysis. Each splay rail returned was analyzed. On October 13, 2016, Spartan determined the remedy for this condition is to use splay rails with welds that have been inspected using ultrasound to confirm the welds have proper penetration.

Description of Remedy :

Description of Remedy Program :	New splay rails with certified welds will be supplied at no charge.
How Remedy Component Differs from Recalled Component :	The splay rails that will be supplied as the remedy have been inspected using ultrasound to confirm the weld receives proper penetration. The splay rails being recalled did not receive this type of inspection.
Identify How/When Recall Condition was Corrected in Production :	NR

Recall Schedule :

Description of Recall Schedule :	NR
Planned Dealer Notification Date :	OCT 27, 2016 - OCT 27, 2016
Planned Owner Notification Date :	OCT 27, 2016 - OCT 27, 2016

* NR - Not Reported