

# Part 573 Safety Recall Report

# 18V-206

**Manufacturer Name :** Spartan Motors USA

**Submission Date :** APR 30, 2018

**NHTSA Recall No. :** 18V-206

**Manufacturer Recall No. :** 18012



## Manufacturer Information :

Manufacturer Name : Spartan Motors USA

Address : 1541 Reynolds Road

Charlotte MI 48813

Company phone : 517-543-6400

## Population :

Number of potentially involved : 11

Estimated percentage with defect : 100 %

## Vehicle Information :

Vehicle 1 : 2004-2007 Spartan Emergency Respons Gladiator

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

**Descriptive Information :** The recall population was determined by using specific part numbers of the Timoney Independent Front Suspension. Other vehicles excluded from this recall were not equipped with an Independent Front Suspension supplied by Timoney.

**Production Dates :** OCT 13, 2003 - AUG 31, 2006

**VIN Range 1 : Begin :**

NR

**End :** NR

Not sequential

## Description of Defect :

**Description of the Defect :** Hub spindles on the Independent Front Suspension (IFS) systems may experience fatigue failure over time at the transition point between the spindle spigot and the spindle mounting flange (which bolts to the hub knuckle).

FMVSS 1 : NR

FMVSS 2 : NR

**Description of the Safety Risk :** The fatigue crack can develop, ultimately causing failure of the spindle and possible separation of the wheel from the vehicle, which increases the risk of a crash.

**Description of the Cause :** According to Timoney Technology, inconsistent machining operations during the manufacturing of the spindle can lead to local stress risers that could result in the initiation of a fatigue crack. Over time and under particularly harsh duty cycles, a fatigue crack could develop in the spindle.

**Identification of Any Warning that can Occur :** This could occur without warning.

## Supplier Identification :

### Component Manufacturer

Name : Timoney Technology  
Address : NR  
FOREIGN STATES  
Country : Ireland

## Chronology :

On, or near, March 14, 2018, a representative of Timoney Technologies sent a communication (Email) to Spartan seeking to speak with a representative about a recall. Between March 16, 2018 and March 23 2018, Timoney indicated a safety defect might exist in certain Independent Front Suspensions. Spartan seeking more information about the condition, the basis of their determine, if the determination had been made and also sought information to define the scope of the condition. On March 28, 2018, Timoney indicated they were submitting a defect information report to the NHTSA and provided excerpts from their draft filing.

## Description of Remedy :

Description of Remedy Program : Spartan will work with Timoney to attain parts necessary for the no charge remedy. Spartan is not aware of any complaints or claims associated with this defect. However, Spartan will reimburse owners who present information showing the components subject to this defect were replaced are of the same type subject to this defect and they were charged. The period for reimbursement to be considered must be submitted must be submitted within one year from the date the owner receives their notification sent per 577.

How Remedy Component Differs from Recalled Component : The latest revision of the spindle (Timoney Part Number C00054) has a larger radius where the spindle shaft transitions to the spindle mounting flange and has a smaller internal bore.

Identify How/When Recall Condition was Corrected in Production : Timoney IFS's are no longer used in production.

## Recall Schedule :

Description of Recall Schedule : Spartan is seeking information on parts availability before developing the schedule.

Planned Dealer Notification Date : APR 17, 2018 - APR 17, 2018

Planned Owner Notification Date : MAY 01, 2018 - MAY 01, 2018

\* NR - Not Reported