

Part 573 Safety Recall Report

24E-037

Manufacturer Name : AFCO Performance Group, LLC.

Submission Date : MAY 06, 2024

NHTSA Recall No. : 24E-037

Manufacturer Recall No. : NR



Manufacturer Information :

Manufacturer Name : AFCO Performance Group, LLC.

Address : P.O. Box 548
977 Hyrock Blvd. Boonville IN 47601

Company phone : 6322320

Population :

Number of potentially involved : 2,970

Estimated percentage with defect : 100 %

Equipment Information :

Brand / Trade 1 : Legend Suspensions

Model : LEGEND REVO ARC REMOTE RESERVOIR FLH

Part No. : Various

Size : NR

Function : NR

Descriptive Information : The kit contains two shock absorbers and hardware, including two brackets. Each bracket mounts a rear suspension fluid reservoir to the motorcycle.

The bracket hardware consists of left- and right-hand pieces of the subject mounting brackets, along with reservoir clamps and mounting hardware.

1310-1886 (Revo Arc FL RR 13")
 1310-1887 (Revo Arc FL RR 13" HD)
 1310-1888 (Revo Arc FL RR 14")
 1310-1889 (Revo Arc FL RR 14" HD)
 1310-1910 (Revo Arc FL Gold RR 13")
 1310-1911 (Revo Arc FL Gold RR 13" HD)
 1310-1912 (Revo Arc FL Gold RR 14")
 1310-1913 (Revo Arc FL Gold RR 14" HD)
 1310-1934 (Revo Arc FL Ano RR 13")
 1310-1935 (Revo Arc FL Ano RR 13" HD)
 1310-1936 (Revo Arc FL Ano RR 14")
 1310-1937 (Revo Arc FL Ano RR 14" HD)
 1310-1878 (Revo Arc FL RR 13")
 1310-1879 (Revo Arc FL RR 13" HD)
 1310-1880 (Revo Arc FL RR 14")
 1310-1881 (Revo Arc FL RR 14" HD)
 1310-1882 (Revo Arc FL RR 13")
 1310-1883 (Revo Arc FL RR 13" HD)
 1310-1884 (Revo Arc FL RR 14")
 1310-1885 (Revo Arc FL RR 14" HD)
 1310-1902 (Revo Arc FL Gold RR 13")
 1310-1903 (Revo Arc FL Gold RR 13" HD)
 1310-1904 (Revo Arc FL Gold RR 14")
 1310-1905 (Revo Arc FL Gold RR 14" HD)
 1310-1906 (Revo Arc FL Gold RR 13")
 1310-1907 (Revo Arc FL Gold RR 13" HD)
 1310-1908 (Revo Arc FL Gold RR 14")
 1310-1909 (Revo Arc FL Gold RR 14" HD)
 1310-1926 (Revo Arc FL Ano RR 13")
 1310-1927 (Revo Arc FL Ano RR 13" HD)
 1310-1928 (Revo Arc FL Ano RR 14")
 1310-1929 (Revo Arc FL Ano RR 14" HD)
 1310-1930 (Revo Arc FL Ano RR 13")
 1310-1931 (Revo Arc FL Ano RR 13" HD)
 1310-1932 (Revo Arc FL Ano RR 14")
 1310-1933 (Revo Arc FL Ano RR 14" HD)

Description of Defect :

Description of the Defect : Legend Suspensions has received reports of shock reservoir brackets cracking or failing during use.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the reservoir mounting bracket breaks, the reservoir could fall from its mounted position and could result in motorcycle damage and/or cause instability of the motorcycle, increasing the risk of a crash. If a reservoir falls and the fluid-supply hose is disconnected, the reservoir could be left in the roadway, creating a potential debris hazard for other motorists.

Description of the Cause : Legend Suspensions has not been able to replicate cracking or breakage during testing, but visible vibration in the bracket has been excited by various harmonics from the motorcycle. Legend Suspensions believes any fatiguing, cracking, or breaking in the field may be related to such vibration and may be more likely where stock motorcycle exhaust systems have been modified, and/or engine performance alterations have been made in a manner that could increase vibration.

Identification of Any Warning that can Occur : NR

Involved Components :

Component Name : NR

Component Description : NR

Component Part Number : NR

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

On November 30, 2023, the Legend Suspensions Sales & Customer Service Supervisor provided a report to Legend management that outlined a request to provide a service bulletin to the market regarding the bracket cracking issue. As of April 29, 2024, 66 customer claims have been placed with the Legend Suspensions customer service team. This is equivalent to a 2.2% failure rate based on total sales of the impacted products.

From December 2023 to March 2024, the Legend Suspensions management team gathered data and researched methods to distribute a service bulletin to the market. At the conclusion, a sample service bulletin was created on March 5, 2024.

On March 12, 2024, the service bulletin proposal was sent to the AFCO Performance Group, LLC. Executive team for review.

On March 22, 2024, the Executive team for AFCO Performance Group, LLC, met to discuss potential NHTSA submittal. Throughout March and April, the Executive team considered this action.

On April 29, 2024, despite the lack of replication in testing and in an abundance of caution, Legend Suspensions determined to notify the 118 retail customers and distributors of the reservoir mounting bracket issue and conduct a recall to replace the brackets.

Description of Remedy :

Description of Remedy Program :	New design brackets will be offered to customers through a recall program.
How Remedy Component Differs from Recalled Component :	The remedy component (bracket) has a thicker cross section that has higher mounting rigidity and likely moves the system natural frequency out of the motorcycle operating range.
Identify How/When Recall Condition was Corrected in Production :	<p>The dates for the first shipment to customers of the shock kits with revised brackets are outlined below:</p> <ol style="list-style-type: none"> 1. 112-4142 on approximately 01/01/2021 2. 112-1248 on approximately 03/01/2022 3. 112-1249 on approximately 03/01/2022

Recall Schedule :

Description of Recall Schedule :	Legend Suspensions can make the replacement component described above available for installation on 05/06/2024.
Planned Dealer Notification Date :	JUN 03, 2024 - JUL 05, 2024
Planned Owner Notification Date :	JUN 03, 2024 - JUL 05, 2024

Purchaser Information :

The following manufacturers purchased this defective/noncompliant equipment for possible use or installation in new motor vehicles or new items of motor vehicle equipment:

Name : NR

Address : NR

NR

Country : NR

Company Phone : NR

* NR - Not Reported