

Part 573 Safety Recall Report

22V-669

Manufacturer Name : Alamo Group Inc.

Submission Date : SEP 06, 2022

NHTSA Recall No. : 22V-669

Manufacturer Recall No. : NR



Manufacturer Information :

Manufacturer Name : Alamo Group Inc.

Address : 1627 East Walnut St
Seguin TX 78155

Company phone : (830) 379-1480

Population :

Number of potentially involved : 144

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2019-2022 AllJetVac AJV1215, AJV1015, AJV0810, AJV1010, AJV0812, AJV0720, AJV0610, AJV1515, AJV1215 Recycler

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style :

Power Train : NR

Descriptive Information : The recall population has been determined based on examination of manufacturing and quality control processes for certain hose reel components in the identified AllJetVac models above. The vehicles in the recall population differ from other vehicles in that the hose reel assemblies in the recalled AllJetVac vehicles were built with a shorter clevis.

Production Dates : SEP 10, 2019 - JUN 30, 2022

VIN Range 1 : Begin : 1FVHG3DV6LHKZ0597 **End :** 1FVMG3DV5NHNM0297 ☒ Not sequential

Description of Defect :

Description of the Defect : The clevis attaching the hose reel tilt rod and cylinder to the hose reel was not of sufficient length to allow for full engagement of the clevis to the cylinder. As a result, the threading on the clevis could wear prematurely.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : In instances where the pin and saddle clamps on the hose reel are removed in order to tilt the hose reel forward to gain access to the engine compartment when the vehicle is stationary, wear on the clevis thread may allow the cylinder rod to become detached from the clevis. Once detached, the hose reel tilt cylinder rod could fail to support the hose reel, causing the hose reel to over-tilt forward and make contact with the ground, increasing the risk of injury to a person nearby.

Description of the Cause : NR

Identification of Any Warning NR
that can Occur :

Involved Components :

Component Name 1 : Cylinder

Component Description : Cylinder and rod with attached clevis that allows for hose reel to be tilted.

Component Part Number : 2130120013

Supplier Identification :

Component Manufacturer

Name : Bailey International, LLC

Address : 2527 Westcott Blvd.
Knoxville Tennessee 37931

Country : United States

Chronology :

In May 2022, Gradall was notified by a customer that a hose reel tilt cylinder rod on an AllJetVac vehicle failed while the vehicle was stationary and the hose reel was tilted forward to enable mechanics to perform maintenance on the vehicle.

In June 2022, Gradall was notified by another customer that this same issue had occurred on another AllJetVac vehicle while the vehicle was stationary for maintenance work and the hose reel was tilted forward.

In July 2022, Gradall conducted a safety investigation to assess the failure mode, the failure rate, and potential causes. Gradall reviewed information reported by the two customers and examined the cylinders from the customers' vehicles. Gradall observed the worn threading on the clevis and measured and compared the clevis used before the change in supplier in 2019 to the current clevis. Gradall also inspected the clevises in vehicles in production.

As of August 29, 2022, Alamo was aware of no warranty claims, no deaths, and no injuries related to this issue. The customer notifications in May and June 2022 are the only such notifications Alamo has received on this issue. On August 29, 2022, Alamo decided to declare a voluntary safety recall to remedy this issue.

Description of Remedy :

Description of Remedy Program : Gradall will provide the customer with a threaded clevis of proper length to allow for proper engagement between the hose reel tilt cylinder rod and the new clevis. This remedy will be performed free of charge.

Affected vehicle owners will be notified by first class mail to take their vehicle to a Gradall affiliated dealer to have the remedy performed free of charge.

If this condition was identified and remedied on an affected machine prior to this campaign, Gradall will reimburse owners who have incurred the cost of such remedy.

How Remedy Component Differs from Recalled Component : The remedy component has the additional length required for proper thread engagement with the hose reel tilt cylinder rod.

Identify How/When Recall Condition was Corrected in Production : As of August 29, 2022, Gradall has worked with the supplier to provide longer clevises that allow for proper thread engagement with the hose reel tilt cylinder rod. These longer clevises will be used on all machines produced.
The two units identified by customers who were performing engine maintenance have also been remedied by Gradall.

Recall Schedule :

Description of Recall Schedule : Gradall will notify all affected owners of AllJetVac vehicles by owner letters sent via USPS within 60 days.

Planned Dealer Notification Date : NOV 04, 2022 - NR

Planned Owner Notification Date : NOV 04, 2022 - NR

* NR - Not Reported