

Part 573 Safety Recall Report

22V-761

Manufacturer Name : Alamo Group Inc.

Submission Date : OCT 11, 2022

NHTSA Recall No. : 22V-761

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 : 3

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2021-2022 Schwarze A9SE Monsoon (single engine)

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 the hopper hydraulic lift system in the identified A9SE Monsoon (single engine) model above. The vehicles in the recall population differ from other vehicles in that the hopper hydraulic lift system in the recalled A9SE Monsoon vehicles were manufactured with an open center valve manifold.

Production Dates : OCT 29, 2021 - SEP 13, 2022

VIN Range 1 : Begin : 1FVACXFC9MHMU3720 End : 3ALACXFC0NDNM4703 ☒ Not sequential

Description of Defect :

Description of the Defect : The open center valve manifold of the hopper hydraulic lift system allows for unexpected and continued flow of hydraulic fluid into the lift system after the operator stops raising the hopper and (1) the hopper is over the center-of-gravity or (2) the vehicle is parked on an incline. As a result, the hopper could unexpectedly continue to lift after disengaged by operator.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : In instances where the hopper is raised past the center-of-gravity or if the vehicle is parked on an incline and the hopper is raised, when the vehicle is stationary, the open center valve manifold allows the hydraulic fluid to continue to flow into the hydraulic lift system. The continued flow of hydraulic fluid into the lift system could cause the hopper to unexpectedly continue to raise and come into contact with a ceiling, tree, or other obstruction, causing debris from the overhead obstruction to fall and injure

Description of the Cause : the operator or other individuals.
The A9SE Monsoon (single engine) street sweeper is a new model introduced by Schwarze in October 2021. This new model was designed with an open center valve manifold instead of a closed one in the hydraulic lift system.

Identification of Any Warning that can Occur : NR

Involved Components :

Component Name 1 : NR

Component Description : NR

Component Part Number : NR

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

On September 13, 2022, Schwarze was conducting testing on the hydraulic lift system for the A9SE Monsoon (single engine) street sweeper. Through the course of this testing it was discovered that while the vehicle was stationary, if the hopper was lifted by the operator above the center-of-gravity or if the hopper was lifted while the vehicle is on an incline, the hopper would continue to lift to its maximum height even after the operator disengaged the lifting mechanism.

From September 13, 2022 to September 22, 2022, Schwarze conducted a safety investigation to assess the failure mode, the failure rate, and potential causes.

Schwarze tested the hydraulic system and determined there was continued flow of hydraulic fluid after the lift system was disengaged by the operator. Schwarze tested a completed A9SE Monsoon vehicle on the lot and observed identical issues with the unexpected or continued lifting of the hopper. Based on this testing, Schwarze determined the issue was not isolated to a single vehicle. Schwarze then tested the hopper hydraulic lift system on the twin engine model of the A9 Monsoon which has a closed valve manifold to regulate the hopper hydraulic lift system and discovered that there were no issues with the hopper continuing to lift after

the lift system was disengaged by the operator.

Schwarze compared the two hydraulic systems and determined the different open center valve manifold on the single engine A9SE Monsoon was the cause of the continued flow of hydraulic fluid into the hopper hydraulic lift system after the operator had disengaged the lift system.

As of October 10, 2022, Alamo was aware of no warranty claims, no deaths, and no injuries related to this issue. Alamo has not received any customer complaints related to this issue. On October 10, 2022, Alamo decided to declare a voluntary safety recall to remedy this issue.

Description of Remedy :

Description of Remedy Program : Schwarze will mount additional valves near the hydraulic cylinders in the hopper hydraulic lift system. This installation of additional valves will create a closed path and not allow additional hydraulic fluid to enter the hydraulic system after the operator disengages the lift control. This remedy will be performed free of charge.

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

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

How Remedy Component Differs from Recalled Component : NR

Identify How/When Recall Condition was Corrected in Production : As of September 13, 2022, Schwarze has worked to mount additional valves near the hydraulic cylinders in the hopper hydraulic lift system on vehicles in production. The additional valves in the hopper hydraulic lift system will be included on new vehicles produced after September 13, 2022.

Recall Schedule :

Description of Recall Schedule : Schwarze will notify all affected owners of A9SE Monsson (single engine) street sweeper vehicles of the availability of a free remedy for this issue via owner letters sent via USPS within 60 days.

Planned Dealer Notification Date : DEC 14, 2022 - NR

Planned Owner Notification Date : DEC 14, 2022 - NR

* NR - Not Reported