

Part 573 Safety Recall Report

20V-708

Manufacturer Name : Altec Industries Inc.

Submission Date : NOV 17, 2020

NHTSA Recall No. : 20V-708

Manufacturer Recall No. : CSN 784



Manufacturer Information :

Manufacturer Name : Altec Industries Inc.

Address : 210 Inverness Center Drive
Birmingham AL 35242

Company phone : 205 991 7733

Population :

Number of potentially involved : 13

Estimated percentage with defect : 31 %

Vehicle Information :

Vehicle 1 : 2006-2020 Altec AH150; AH125S

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The recall population was determined from a review of production records.

Production Dates : JAN 01, 2006 - NOV 01, 2020

VIN Range 1 : Begin : NR **End :** NR

Not sequential

Description of Defect :

Description of the Defect : The incorrect counterbalance valve may have been installed in the main lift cylinder of the affected units.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the incorrect counterbalance valve is installed on the main lift cylinder, at certain boom positions the counterbalance valve will open due to the pressure in the cylinder exceeding the setting.

If one of the hoses between the cylinder and the external counterbalance valve manifold were to fail to hold pressure, i.e. burst, un-commanded boom lowering could result at boom positions where the counterbalance valve is open.

Description of the Cause : NR

Identification of Any Warning that can Occur : There is no warning of incorrect counterbalance valve. Prior to an event that would cause hose failure, it is expected that the hose in question would fail the daily unit inspection criteria and/or leak.

Involved Components :

Component Name 1 : Counterbalance Valve

Component Description : NR

Component Part Number : 002090115

Supplier Identification :

Component Manufacturer

Name : Sun Hydraulics Corp

Address : 1500 West University Parkway

Sarasota FLORIDA 34243

Country : United States

Chronology :

In October of 2020 Texas Hydraulics received a shipment of counterbalance valves from Altec Parts Distribution and identified them as not matching Texas Hydraulics nor Altec's cylinder drawing specifications. As a result of this communication, investigation revealed that Altec had an incorrect supplier part number in the system for the counterbalance valve. The incorrect counterbalance valve has a lower relief setting. This counterbalance valve is used exclusively on the AH150 & AH125S main lift cylinder. The Altec drawing of the lift cylinder references the correct supplier part number for the counterbalance valve.

Further investigation revealed that the entire inventory of the suspect counterbalance valves at Altec was of the incorrect part. There are multiple instances where this counterbalance valve has been provided by Altec as a service part, resulting in the potential for the incorrect counterbalance valve to be installed on units in the field.

There have been no reported event incidents

Description of Remedy :

Description of Remedy Program : The customers with affected units will be instructed to visually inspect the counterbalance valves in question. The visual inspection will identify the counterbalance valve part number. In addition, the customer will be instructed that if the incorrect counterbalance valve is present, to not operate the unit until the correct counterbalance valve has been installed. The customer will also be instructed to inspect any on hand parts inventory and dispose of any non-conforming instances of the counterbalance valve.

Altec does not have a dealer network and issues letters to owners only.

How Remedy Component Differs from Recalled Component : Providing the correct counterbalance valve will have the correct pressure settings to ensure proper cylinder and unit performance.

Identify How/When Recall Condition was Corrected in Production : No corrections in production have been required. Texas Hydraulics, the cylinder supplier, rejected the incorrect counterbalance valves upon their incoming QC inspections for orders from Altec.

Counterbalance valve inventory was inspected and incorrect parts were removed from inventory. Cylinder inventory was visually inspected. No incorrect counterbalance valves were found installed in cylinders.

The supplier information in the Altec material management system has been updated with the correct information. The Altec cylinder print and Texas Hydraulic cylinder print specified the correct counterbalance valve when the incorrect counterbalance valve was discovered.

Recall Schedule :

Description of Recall Schedule : Altec will issue CSN 784 to owners of the affected units.

Altec does not have a dealer network and issues letters to owners only.

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : JAN 14, 2021 - JAN 15, 2021

* NR - Not Reported