

Part 573 Safety Recall Report

21V-549

Manufacturer Name : Osage Industries, Inc.**Submission Date :** JUL 21, 2021**NHTSA Recall No. :** 21V-549**Manufacturer Recall No. :** NR**Manufacturer Information :**

Manufacturer Name : Osage Industries, Inc.

Address : P.O. BOX 718

Linn MO 65051

Company phone : 1-800-822-3634

Population :

Number of potentially involved : 10

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2019-2019 RAM 4500

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : In a report dated May. 13, 2020, LiquidSpring, LLC notified NHTSA that a safety defect exists in certain Compressible Liquid Adaptive Suspension Systems (C.L.A.S.S.), part numbers DS135RS3A, DS135RS3AF, DS135RS3-DM, sold for use with 2019-2020 RAM 4500 and 5500 vehicles. In the affected suspension systems, the rear brake caliper flexible line may have been routed so that it contacts a suspension component, possibly causing excessive wear and a loss of rear brakes. As such, these parts fail to comply with Federal Motor Vehicle Safety Standard (FMVSS) number 105, "Hydraulic and Electric Brake Systems."

LiquidSpring, LLC identified our company as a purchaser of this equipment, and/or we have other information indicating that our company may have purchased this equipment.

Production Dates : NOV 05, 2019 - FEB 13, 2020

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2019-2019 Ram 5500

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : In a report dated May. 13, 2020, LiquidSpring, LLC notified NHTSA that a safety defect exists in certain Compressible Liquid Adaptive Suspension Systems (C.L.A.S.S.), part numbers DS135RS3A, DS135RS3AF, DS135RS3-DM, sold for use with 2019-2020 RAM 4500 and 5500 vehicles. In the affected suspension systems, the rear brake caliper flexible line may have been routed so that it contacts a suspension component, possibly causing excessive wear and a loss of rear brakes. As such, these parts fail to comply with Federal Motor Vehicle Safety Standard (FMVSS) number 105, "Hydraulic and Electric Brake Systems."

LiquidSpring, LLC identified our company as a purchaser of this equipment, and/or we have other information indicating that our company may have purchased this equipment.

Production Dates : JUL 22, 2019 - NOV 04, 2019

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 3 : 2019-2019 Ram 5500

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : In a report dated May. 13, 2020, LiquidSpring, LLC notified NHTSA that a safety defect exists in certain Compressible Liquid Adaptive Suspension Systems (C.L.A.S.S.), part numbers DS135RS3A, DS135RS3AF, DS135RS3-DM, sold for use with 2019-2020 RAM 4500 and 5500 vehicles. In the affected suspension systems, the rear brake caliper flexible line may have been routed so that it contacts a suspension component, possibly causing excessive wear and a loss of rear brakes. As such, these parts fail to comply with Federal Motor Vehicle Safety Standard (FMVSS) number 105, "Hydraulic and Electric Brake Systems."

LiquidSpring, LLC identified our company as a purchaser of this equipment, and/or we have other information indicating that our company may have purchased this equipment.

Production Dates : OCT 17, 2019 - FEB 17, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 4 : 2019-2019 Ram 5500

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : In a report dated May. 13, 2020, LiquidSpring, LLC notified NHTSA that a safety defect exists in certain Compressible Liquid Adaptive Suspension Systems (C.L.A.S.S.), part numbers DS135RS3A, DS135RS3AF, DS135RS3-DM, sold for use with 2019-2020 RAM 4500 and 5500 vehicles. In the affected suspension systems, the rear brake caliper flexible line may have been routed so that it contacts a suspension component, possibly causing excessive wear and a loss of rear brakes. As such, these parts fail to comply with Federal Motor Vehicle Safety Standard (FMVSS) number 105, "Hydraulic and Electric Brake Systems."

LiquidSpring, LLC identified our company as a purchaser of this equipment, and/or we have other information indicating that our company may have purchased this equipment.

Production Dates : OCT 21, 2019 - FEB 17, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 5 : 2019-2019 Ram 5500

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : In a report dated May. 13, 2020, LiquidSpring, LLC notified NHTSA that a safety defect exists in certain Compressible Liquid Adaptive Suspension Systems (C.L.A.S.S.), part numbers DS135RS3A, DS135RS3AF, DS135RS3-DM, sold for use with 2019-2020 RAM 4500 and 5500 vehicles. In the affected suspension systems, the rear brake caliper flexible line may have been routed so that it contacts a suspension component, possibly causing excessive wear and a loss of rear brakes. As such, these parts fail to comply with Federal Motor Vehicle Safety Standard (FMVSS) number 105, "Hydraulic and Electric Brake Systems."

LiquidSpring, LLC identified our company as a purchaser of this equipment, and/or we have other information indicating that our company may have purchased this equipment.

Production Dates : OCT 24, 2019 - MAR 02, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 6 : 2019-2019 Ram 4500

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : In a report dated May. 13, 2020, LiquidSpring, LLC notified NHTSA that a safety defect exists in certain Compressible Liquid Adaptive Suspension Systems (C.L.A.S.S.), part numbers DS135RS3A, DS135RS3AF, DS135RS3-DM, sold for use with 2019-2020 RAM 4500 and 5500 vehicles. In the affected suspension systems, the rear brake caliper flexible line may have been routed so that it contacts a suspension component, possibly causing excessive wear and a loss of rear brakes. As such, these parts fail to comply with Federal Motor Vehicle Safety Standard (FMVSS) number 105, "Hydraulic and Electric Brake Systems."

LiquidSpring, LLC identified our company as a purchaser of this equipment, and/or we have other information indicating that our company may have purchased this equipment.

Production Dates : OCT 31, 2019 - MAR 09, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 7 : 2019-2019 Ram 5500

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : In a report dated May. 13, 2020, LiquidSpring, LLC notified NHTSA that a safety defect exists in certain Compressible Liquid Adaptive Suspension Systems (C.L.A.S.S.), part numbers DS135RS3A, DS135RS3AF, DS135RS3-DM, sold for use with 2019-2020 RAM 4500 and 5500 vehicles. In the affected suspension systems, the rear brake caliper flexible line may have been routed so that it contacts a suspension component, possibly causing excessive wear and a loss of rear brakes. As such, these parts fail to comply with Federal Motor Vehicle Safety Standard (FMVSS) number 105, "Hydraulic and Electric Brake Systems."

LiquidSpring, LLC identified our company as a purchaser of this equipment, and/or we have other information indicating that our company may have purchased this equipment.

Production Dates : OCT 29, 2019 - MAR 16, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 8 : 2019-2019 Ram 5500

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : In a report dated May. 13, 2020, LiquidSpring, LLC notified NHTSA that a safety defect exists in certain Compressible Liquid Adaptive Suspension Systems (C.L.A.S.S.), part numbers DS135RS3A, DS135RS3AF, DS135RS3-DM, sold for use with 2019-2020 RAM 4500 and 5500 vehicles. In the affected suspension systems, the rear brake caliper flexible line may have been routed so that it contacts a suspension component, possibly causing excessive wear and a loss of rear brakes. As such, these parts fail to comply with Federal Motor Vehicle Safety Standard (FMVSS) number 105, "Hydraulic and Electric Brake Systems."

LiquidSpring, LLC identified our company as a purchaser of this equipment, and/or we have other information indicating that our company may have purchased this equipment.

Production Dates : JAN 16, 2020 - MAR 31, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 9 : 2019-2019 Ram 4500

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : In a report dated May. 13, 2020, LiquidSpring, LLC notified NHTSA that a safety defect exists in certain Compressible Liquid Adaptive Suspension Systems (C.L.A.S.S.), part numbers DS135RS3A, DS135RS3AF, DS135RS3-DM, sold for use with 2019-2020 RAM 4500 and 5500 vehicles. In the affected suspension systems, the rear brake caliper flexible line may have been routed so that it contacts a suspension component, possibly causing excessive wear and a loss of rear brakes. As such, these parts fail to comply with Federal Motor Vehicle Safety Standard (FMVSS) number 105, "Hydraulic and Electric Brake Systems."

LiquidSpring, LLC identified our company as a purchaser of this equipment, and/or we have other information indicating that our company may have purchased this equipment.

Production Dates : DEC 16, 2019 - FEB 25, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 10 : 2019-2019 Ram 5500
Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES
Body Style : OTHER
Power Train : DIESEL

Descriptive Information : In a report dated May. 13, 2020, LiquidSpring, LLC notified NHTSA that a safety defect exists in certain Compressible Liquid Adaptive Suspension Systems (C.L.A.S.S.), part numbers DS135RS3A, DS135RS3AF, DS135RS3-DM, sold for use with 2019-2020 RAM 4500 and 5500 vehicles. In the affected suspension systems, the rear brake caliper flexible line may have been routed so that it contacts a suspension component, possibly causing excessive wear and a loss of rear brakes. As such, these parts fail to comply with Federal Motor Vehicle Safety Standard (FMVSS) number 105, "Hydraulic and Electric Brake Systems."

LiquidSpring, LLC identified our company as a purchaser of this equipment, and/or we have other information indicating that our company may have purchased this equipment.

Production Dates : JAN 27, 2020 - MAR 25, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : The recall population was determined based on the suspension kit serial numbers and conversion kits built and sold within the identified production dates. The recall affects all 2019+MY suspension kits and converted 2014-2018 MY converted suspension kits installed on 2019+ MY RAM 4500/5500 cab chassis.

Suspension kits built for and installed on 2014-2018 MY RAM 4500/5500 cab chassis are not affected by the recall because the OEM rear brake caliper flexible line had sufficient length to provide clearance with suspension component (s). 2019+MY RAM 4500/5500 cab chassis OEM rear brake caliper flexible line is shorter than 2014-2018 MY RAM 4500/5500 cab Chaddid, thus caused potential contact with suspension component(s).

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : The consequence of the defect can be rear brake caliper flexible line wear and/or subsequent brake fluid leakage which may result in partial or complete loss of rear service brakes which could cause damage to the chassis and/or other vehicles and possibly result in a crash.

Description of the Cause : NR

Identification of Any Warning that can Occur : The defect may be detected by the vehicle operator by abnormal brake pedal feedback, abnormal stopping ability, or leakage of brake fluid at the rear brake caliper flexible line wear point. The defect may be detected by the installer by observing contact between the rear brake caliper flexible line and suspension component(s).

Involved Components :

Component Name 1 : Brake Line

Component Description : Rear Brake Caliper Flexible Line

Component Part Number : DS135RS3A, 3AF, 3-DM

Supplier Identification :**Component Manufacturer**

Name : LiquidSpring LLC

Address : 4899 E 400 South
Lafayette Indiana 47905

Country : United States

Chronology :

May 13, 2020, Liquid Spring LLC contacted us about the recall.

Once we identified the trucks included in the recall we notified them of the problem. We contacted LiquidSpring and order the kits for the customers. These have been installed and the trucks.

Description of Remedy :

Description of Remedy Program : A kit, P/N 11849, has been generated consisting of 2 OEM banjo bolts, 8 crush washers, 2 banjo blocks, and installation instructions to install the banjo blocks on each rear caliper and modify the rear brake caliper flexible line mounting. A kit, P/N 11871, has been generated with OEM replacement rear brake caliper flexible lines and hardware required to replace worn rear brake caliper flexible lines as needed. The company plans to cover all expenses related to the installation of the banjo block and /or replacement of worn rear brake caliper flexible lines.

How Remedy Component Differs from Recalled Component : The presence of the banjo blocks installed between the rear brake caliper and the rear brake caliper flexible line distinguishes vehicles that do or don't have the remedy completed.

Identify How/When Recall Condition was Corrected in Production : The ongoing production remedy for the rear brake caliper flexible line contact issue will be the modified lower axle clamp suspension component that provides clearance without utilizing the banjo manifold block. This change was implemented on all suspension kits shipped after April 22, 2020.

Recall Schedule :

Description of Recall Schedule : The recall was received 5-13-2020. We contacted the customers after that to schedule repairs.

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : NR - NR

* NR - Not Reported