

Part 573 Safety Recall Report

22E-088

Manufacturer Name : SAF-Holland**Submission Date :** DEC 02, 2022**NHTSA Recall No. :** 22E-088**Manufacturer Recall No. :** n/a**Manufacturer Information :****Manufacturer Name :** SAF-Holland**Address :** 1950 Industrial Blvd
Muskegon MI 49443**Company phone :** 888 396-6501**Population :****Number of potentially involved :** 10,591**Estimated percentage with defect :** 1 %**Equipment Information :****Brand / Trade 1 :** SAF-HOLLAND**Model :** ULX40 Suspension, with P89 mechanical axle assembly.**Part No. :** Multiple parts**Size :** NR**Function :** Suspension**Descriptive Information :** The recall population includes all SAF-HOLLAND axles built with Haldex ModulT Gen II Air Disc Brakes starting with initial production at Haldex on 2/11/21 and ending when containment was implemented by Haldex on 9/15/22.**Edit 02DEC22:**

Initial reported number of potentially involved suspensions 17,977 was wrong. That is the number of haldex brake calipers installed on SAF-HOLLAND suspensions, Axles or sold as replacement calipers.

Revised number of potentially involved ULX40 suspensions: 3,204: 4 calipers per suspension.

Reclassified number for P89 axle assemblies: 7,386: 2 calipers per axle

Reclassified number of replacement calipers: 1

Production Dates : NOV 19, 2021 - OCT 04, 2022

Description of Defect :

Description of the Defect : The Recall Population includes all SAF-HOLLAND axles built with Haldex ModuT Gen II Air Disc Brakes where the brake pad retaining assembly on certain Haldex air disc brakes (ADB) may contain an improperly installed retaining clip. If the retaining clip is improperly installed, the retainer bar may move and fail to retain the brake pads fully within the brake assembly, especially under road vibration conditions. Brakepads do not detach from the brake assembly but a loose brake pad, retainerbar, or retaining clip may come in contact with other nearby wheelcomponents, and the retaining clip or retainer bar may fall into the road.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : According to our supplier, Haldex, under certain road use conditions, an improperly installed retaining clip may enable the retainer bar and retaining clip to detach from the brake and may allow the brake pad to loosen. A loose brake pad may slightly reduce brake effectiveness, and may cut a tire valve resulting in a flat tire, and eventually can cause damage to the brake pad or wheel. A detached retaining clip or retainer bar may come in contact with other vehicle parts and may fall into the roadway, creating road debris and a potential traffic hazard.

Description of the Cause : An incomplete manual assembly process at our caliper supplier, Haldex, resulted in inconsistent installation of the retaining clip and brake pad retainer bar.

Identification of Any Warning that can Occur : No warning precedes the detachment of the retainer bar or retaining clip or the loosening of the brake pad.

Involved Components :

Component Name : MECHANICAL AXLE ASSY-P89

Component Description : Trailer Axle

Component Part Number : 1005300005480

Component Name : MECHANICAL AXLE ASSY-P89

Component Description : Trailer Axle

Component Part Number : 100530000548

Component Name : SUSPENSION/AXLE ASSEMBLY - P89

Component Description : Trailer Axles and Suspension Assembly

Component Part Number : S23HG0001-8175

Component Name : SUSPENSION/AXLE ASSEMBLY - P89

Component Description : Trailer Axles and Suspension Assembly

Component Part Number : S67AM0007-8185

Component Name : SUSPENSION/AXLE ASSEMBLY - P89

Component Description : Trailer Axles and Suspension Assembly

Component Part Number : S26AC0005-8181

Component Name : SUSPENSION/AXLE ASSEMBLY - P89

Component Description : Trailer Axles and Suspension Assembly

Component Part Number : S26AC0005-8182

Component Name : SUSPENSION/AXLE ASSEMBLY - P89

Component Description : Trailer Axles and Suspension Assembly

Component Part Number : S26AC0006-8181

Component Name : SUSPENSION/AXLE ASSEMBLY - P89

Component Description : Trailer Axles and Suspension Assembly

Component Part Number : S54JJ0001-8184

Component Name : SUSPENSION/AXLE ASSEMBLY - P89

Component Description : Trailer Axles and Suspension Assembly

Component Part Number : S40FN0109-8177

Component Name : CALIPER ASSEMBLY

Component Description : Haldex ModulT Caliper Assembly, RH

Component Part Number : 03080010600

Supplier Identification :

Component Manufacturer

Name : Haldex Brake Product Corporation

Address : 10930 North Pomona Ave
Kansas City Missouri 64153

Country : United States

Chronology :

On 13SEP22 an on road incident occurred that involved the subject suspension. On 15SEP22 a second incident was reported. 19SEP22 Haldex began sending inspection teams to the trailer manufacturer locations and several trailer manufacturer customer locations to inspect assemblies. Haldex has inspected approximately 3800 units to date and confirmed 8 with misaligned brake spring retaining clips. Haldex also sent inspection teams to the SAF-HOLLAND axle manufacturing facility to inspect and contain any improperly assembled products. Haldex confirmed that even with a loose brake pad, overall braking function on the trailer was still effective. On 21SEP22, Haldex confirmed that the second incident reported by the trailer manufacturer did in fact involve an improperly assembled brake retaining clip. On 21SEP22, Haldex determined that an unreasonable risk to motor vehicle safety resulting from the improperly assembled clip could not be ruled out. On 07OCT22 SAF-HOLLAND received a customer notification letter with attachments, from Haldex regarding their safety recall 22E-081.

Description of Remedy :

Description of Remedy Program : Haldex, their representative(s), or other trained technicians will inspect and, if necessary, repair the improperly assembled spring bracket assembly.

How Remedy Component Differs from Recalled Component : A remedied component has the retainer bar fully seated in the notch with the retaining clip fully protruding through the retaining clip window on the retainer bar.

Identify How/When Recall Condition was Corrected in Production : Haldex has identified the assembly plant at which the subject ADBs were produced and has implemented corrective actions and mistake-proofing in the assembly process to ensure that future shipments are properly assembled. Corrective action at the assembly plant was implemented on September 19, 2022.

Recall Schedule :

Description of Recall Schedule : SAF-HOLLAND will submit a notificatin letter to NHTSA for approval. We will include the contents from the Haldex customer notification letter related to their recall 22W-081.

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : NOV 14, 2022 - NOV 18, 2022

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