

# Part 573 Safety Recall Report

# 22E-081

**Manufacturer Name :** Haldex Commercial Vehicle Systems

**Submission Date :** NOV 21, 2022

**NHTSA Recall No. :** 22E-081

**Manufacturer Recall No. :** NR



## Manufacturer Information :

**Manufacturer Name :** Haldex Commercial Vehicle Systems

**Address :** 10930 North Pomona Avenue

Kansas City MO 64153

**Company phone :** 816-801-2335

## Population :

**Number of potentially involved :** 30,376

**Estimated percentage with defect :** 1 %

## Equipment Information :

**Brand / Trade 1 :** Haldex Brake Product Corp

**Model :** ModulT Gen II Air Disc Brake

**Part No. :** ModulT Gen 2 ADB

**Size :** NR

**Function :** NR

**Descriptive Information :** The recall population includes all brakes of this model manufactured at the Haldex Monterrey Facility starting with initial production 2/11/21 and ending when containment was implemented on 9/15/22

**Production Dates :** FEB 11, 2021 - SEP 14, 2022

## Description of Defect :

**Description of the Defect :** 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. Brake pads do not detach from the brake assembly but a loose brake pad, retainer bar, or retaining clip may come in contact with other nearby wheel components, and the retaining clip or retainer bar may fall into the road.

**FMVSS 1 :** NR

**FMVSS 2 :** NR

**Description of the Safety Risk :** 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 resulted in inconsistent installation of the retaining clip and brake pad retainer bar.

Identification of Any Warning  
that can Occur : NR

## Involved Components :

Component Name : Caliper

Component Description : ModulT Gen 2 Air Disc Brake Caliper

Component Part Number : H107891; H107893; H108541; H108542; H108584; H108586; H108587;  
H108589

Component Name : NR

Component Description : NR

Component Part Number : H107893

## Supplier Identification :

### Component Manufacturer

Name : Haldex Brake Products

Address : 10930 N. Pomona Avenue  
Kansas City Missouri 64154

Country : United States

## Chronology :

On Sept. 13, 2022 an OEM trailer manufacturer; a purchaser of axles from a Haldex axle customer, reported an on-road incident that appeared to involve the subject component. The incident appeared to involve the retaining clip installation described above. On Sept. 15, 2022 a second incident was reported that appeared unrelated based on the initial information received. The axle manufacturer also provided photographs of apparent clip misalignment on un-installed units and reported that eight brake assemblies from incoming inventory appeared misaligned. Haldex immediately began investigating the issue and implemented containment actions in their manufacturing plant, including suspending brake shipments on Sept. 15, 2022. On Sept. 19, 2022 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 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 Sept. 21, 2022 Haldex confirmed that the second incident reported by the trailer manufacturer did in fact involve an improperly assembled brake retaining clip. This was confirmed by onsite inspection of the subject trailer showing that the brake retaining clip and retainer bar were missing. Haldex's investigation indicated that even though overall trailer braking function was minimally impacted, a loose retainer bar or retaining clip could hit other vehicle components, and may result in the retaining clip or retainer bar hitting the roadway and creating a road hazard. On Sept. 21, 2022, Haldex determined that an unreasonable risk to motor vehicle safety resulting from the improperly assembled clip could not be ruled out.

## 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 : Manufacturers, Distributors and Fleets receiving the product are notified by certified mail with details of the defect, remedy and instructions for inspection/repair if needed.

Planned Dealer Notification Date : OCT 12, 2022 - OCT 31, 2022

Planned Owner Notification Date : NR - NR

## 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