

Part 573 Safety Recall Report

22E-100

Manufacturer Name : Ridewell Corporation

Submission Date : MAR 03, 2023

NHTSA Recall No. : 22E-100

Manufacturer Recall No. : NR



Manufacturer Information :

Manufacturer Name : Ridewell Corporation

Address : P.O. BOX 4586

Springfield MO 65808

Company phone : 417-833-4565

Population :

Number of potentially involved : 186

Estimated percentage with defect : 1 %

Equipment Information :

Brand / Trade 1 : Ridewell 266 Suspension

Model : 164223HB001

Part No. : 164223HB001

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. Ridewell has notified the end user of the recall

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 orretainer 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 : Axle Calipers Left and Right

Component Description : 266 Suspension

Component Part Number : 164223HB001

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 :	Customer KWIK was notified 10/13/22 with the axle numbers potential affected so they can check their trailers.
Planned Dealer Notification Date :	DEC 28, 2022 - DEC 28, 2022
Planned Owner Notification Date :	DEC 28, 2022 - DEC 28, 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 : Ridewell Corp
Address : PO Box 4586
Springfield MO 65808
Country : US
Company Phone : 8006414122

Name : Kwik Equipment Sales
Address : 5220 Shank Road
Pearland TX 77581
Country : US
Company Phone : NR

* NR - Not Reported