

Part 573 Safety Recall Report

23E-045

Manufacturer Name : SAF-Holland

Submission Date : JAN 16, 2024

NHTSA Recall No. : 23E-045

Manufacturer Recall No. : P051



Manufacturer Information :

Manufacturer Name : SAF-Holland

Address : 1950 Industrial Blvd

Muskegon MI 49443

Company phone : 888 396-6501

Population :

Number of potentially involved : 4,906

Estimated percentage with defect : 100 %

Equipment Information :

Brand / Trade 1 : SAF-HOLLAND, Inc.

Model : CBXA40 and ULX40 Suspension Systems

Part No. : Multiple

Size : n/a

Function : Trailer Suspens

Descriptive Information : Under certain circumstances, the Tire Pilot Plus (TPP) tire pressure management system that is provided as an accessory on SAF-HOLLAND suspension systems allows all 8 tires on a trailer to lose pressure. The condition exists on suspension systems with TPP systems with electronic control units which were first sold beginning on 01DEC22. 4,906 units were sold that have the defect. Suspension systems equipped with TPP units that are controlled by a manual pressure adjustment feature are not impacted by the defect.

Production Dates : DEC 01, 2022 - JUN 15, 2023

Description of Defect :

Description of the Defect : Some trailers equipped with SAF-HOLLAND suspension systems equipped with Tire Pilot Plus - Electronic Regulator Control Unit Assembly tire pressure regulation system (TPRS) are experiencing unintended loss of pressure of all 8 tires while traveling at speeds higher than 45 mph. This loss of pressure event occurs only on suspension systems equipped with the Tire Pilot Plus - Electronic Regulator Control Unit Assembly that was launched by SAF-HOLLAND in late 2022.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Reduced vehicle control and/or stability that could result in a crash. Risk of tire tread separation and debris on the road.

Description of the Cause : The root cause of the defect is not known at this time

Identification of Any Warning that can Occur : SAF-HOLLAND suspension systems equipped with TPP are designed with a warning light that notifies the driver when the tire pressure drops below 80 PSI. The function of the warning light may be intermittent on affected units.

Involved Components :

Component Name : Tirepilot Trailer Kit

Component Description : Electronic Control Unit, Hoses and fasteners

Component Part Number : 2116300000510

Component Name : Tirepilot Trailer Kit

Component Description : Electronic Control Unit, Hoses and fasteners

Component Part Number : 2116300000520

Component Name : Tirepilot Trailer Kit

Component Description : Electronic Control Unit, Hoses and fasteners

Component Part Number : 2116300000550

Component Name : Tirepilot Trailer Kit

Component Description : Electronic Control Unit, Hoses and fasteners

Component Part Number : 2116300000560

Component Name : Tirepilot Trailer Kit

Component Description : Electronic Control Unit, Hoses and fasteners

Component Part Number : 2116300000700

Component Name : Tirepilot Trailer Kit

Component Description : Electronic Control Unit, Hoses and fasteners

Component Part Number : 2116300000740

Component Name : Tirepilot Trailer Kit

Component Description : Electronic Control Unit, Hoses and fasteners

Component Part Number : 2116300000890

Component Name : Tirepilot Trailer Kit

Component Description : Electronic Control Unit, Hoses and fasteners

Component Part Number : 2116300000950

Component Name : Tirepilot Trailer Kit

Component Description : Electronic Control Unit, Hoses and fasteners

Component Part Number : 2116300001370

Component Name : Tirepilot Trailer Kit

Component Description : Electronic Control Unit, Hoses and fasteners

Component Part Number : 2116300001590

Component Name : Tirepilot Trailer Kit

Component Description : Electronic Control Unit, Hoses and fasteners

Component Part Number : 2116300001610

Component Name : Tirepilot Trailer Kit

Component Description : Electronic Control Unit, Hoses and fasteners

Component Part Number : 2116300001770

Component Name : Tirepilot Trailer Kit

Component Description : Electronic Control Unit, Hoses and fasteners

Component Part Number : 2116300001780

Component Name : Tirepilot Trailer Kit

Component Description : Electronic Control Unit, Hoses and fasteners

Component Part Number : 2116300001890

Component Name : Tirepilot Trailer Kit

Component Description : Electronic Control Unit, Hoses and fasteners

Component Part Number : 2116300002320

Component Name : Tirepilot Trailer Kit

Component Description : Electronic Control Unit, Hoses and fasteners

Component Part Number : 2116300002630

Component Name : Tirepilot Trailer Kit

Component Description : Electronic Control Unit, Hoses and fasteners

Component Part Number : 2116300002640

Component Name : Tirepilot Plus Retrofit Kit

Component Description : Electronic Control Unit, Hoses and fasteners

Component Part Number : 2141-12-2100-3

Component Name : Tirepilot Plus Retrofit Kit

Component Description : Electronic Control Unit, Hoses and fasteners

Component Part Number : 2241-12-2100-3

Component Name : Tirepilot Plus Retrofit Kit

Component Description : Electronic Control Unit, Hoses and fasteners

Component Part Number : 2242-12-2100-3

Component Name : Tirepilot Trailer Kit

Component Description : Electronic Control Unit, Hoses and fasteners

Component Part Number : 2116300000520

Component Name : Tirepilot Trailer Kit

Component Description : Electronic Control Unit, Hoses and fasteners

Component Part Number : 2116300000550

Component Name : Tirepilot Trailer Kit

Component Description : Electronic Control Unit, Hoses and fasteners

Component Part Number : 2116300000560

Component Name : Tirepilot Trailer Kit

Component Description : Electronic Control Unit, Hoses and fasteners

Component Part Number : 2116300000700

Component Name : Tirepilot Trailer Kit

Component Description : Electronic Control Unit, Hoses and fasteners

Component Part Number : 2116300000740

Component Name : Tirepilot Trailer Kit

Component Description : Electronic Control Unit, Hoses and fasteners

Component Part Number : 2116300000890

Component Name : Tirepilot Trailer Kit

Component Description : Electronic Control Unit, Hoses and fasteners

Component Part Number : 2116300000950

Component Name : Tirepilot Trailer Kit

Component Description : Electronic Control Unit, Hoses and fasteners

Component Part Number : 2116300001370

Component Name : Tirepilot Trailer Kit

Component Description : Electronic Control Unit, Hoses and fasteners

Component Part Number : 2116300001590

Component Name : Tirepilot Trailer Kit

Component Description : Electronic Control Unit, Hoses and fasteners

Component Part Number : 2116300001610

Component Name : Tirepilot Trailer Kit

Component Description : Electronic Control Unit, Hoses and fasteners

Component Part Number : 2116300001770

Component Name : Tirepilot Trailer Kit

Component Description : Electronic Control Unit, Hoses and fasteners

Component Part Number : 2116300001780

Component Name : Tirepilot Trailer Kit

Component Description : Electronic Control Unit, Hoses and fasteners

Component Part Number : 2116300001890

Component Name : Tirepilot Trailer Kit

Component Description : Electronic Control Unit, Hoses and fasteners

Component Part Number : 2116300002320

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Component Description : Electronic Control Unit, Hoses and fasteners

Component Part Number : 2116300002630

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Component Description : Electronic Control Unit, Hoses and fasteners

Component Part Number : 2116300002640

Component Name : Tirepilot Plus Retrofit Kit

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Component Part Number : 2141-12-2100-3

Component Name : Tirepilot Plus Retrofit Kit

Component Description : Electronic Control Unit, Hoses and fasteners

Component Part Number : 2241-12-2100-3

Component Name : Tirepilot Plus Retrofit Kit

Component Description : Electronic Control Unit, Hoses and fasteners

Component Part Number : 2242-12-2100-3

Supplier Identification :

Component Manufacturer

Name : PG LLC

Address : 550 Brick Church Park Drive
Nashville Tennessee 37207

Country : United States

Chronology :

The first warranty claim reported a failure date of 27APR23. 11 additional warranty claims have been received

for failures through 24MAY23. A separate report from one customer reported an additional 8 failures that were detected before the trailer went into service. On 02JUN23, SAF-HOLLAND determined that a safety defect exists.

Description of Remedy :

Description of Remedy Program : The interim corrective action is to disable the TPP system on the CBXA40 and ULX40 Suspension Systems and for fleets to manage tire pressure manually. The final corrective action will not be known until the root cause has been determined. SAF-HOLLAND will pay appropriate costs. 16JAN24: The remedy for NHTSA Recall 23E-045 is to: 1) replace tire hoses, 2) replace the ECU harness, and 3) update ECU programing. Replacement parts first became available 21DEC23.

How Remedy Component Differs from Recalled Component : The Interim corrective action will result in disconnected air supply hoses on all tires and at the ECU. 16JAN24: Updated tire air hoses contain a re-designed check valve that properly checks the flow of air from the tires. Updated Electronic Control Unit (ECU) programming applies trailer air pressure to the hoses for a longer duration and at a higher pressure. Updated tire hoses are accented with a yellow wrap around the outside of the hose. Electronic Control Units (ECUs) that have been reprogrammed and for which the wire harness has been replaced will have a full size, yellow decal affixed to the front of the ECU box.

Identify How/When Recall Condition was Corrected in Production : Permanent corrective action for production processes will follow the root cause determination. 16JAN24: Production of Tire Pilot Plus systems containing the defect stopped on 09JUN23. Production of the final remedy service kits began on 21DEC23.

Recall Schedule :

Description of Recall Schedule : A customer notification letter will, after NHTSA approval, be mailed to all sold to customers. The letter will include a service bulletin advising owners to disable the TPP System on the CBXA40 and ULX40 Suspension Systems and telling them how to do so. Once the root cause has been identified and permanent corrective action has been developed, a second customer letter will be sent out, after NHTSA approval.

Planned Dealer Notification Date : DEC 01, 2023 - DEC 01, 2023

Planned Owner Notification Date : DEC 01, 2023 - DEC 01, 2023

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 : Wilson Trailer Company
Address : 4400 South Lewis Boulevard
PO Box 6300 Sioux City IA 51106-6300
Country : US
Company Phone : 712 252 6567

Name : Hyuddai Translead Parts
Address : 8880 Rio San Diego
San Diego CA 92108
Country : US
Company Phone : 6196803276

Name : Kentucky Manufacturing Company
Address : 7201 Logistics Drive
Louisville KY 40258
Country : US
Company Phone : 8885987245

Name : New Life Transport
Address : 400 Gordon Industrial Court SW
Byron Center MI 49315
Country : US
Company Phone : 6165831113

Name : CIMC Refer Trailer, Inc.
Address : 289 East Water Tower Drive
Monon IN 47959
Country : US
Company Phone : 5748082137

Name : Vanguard National Trailer
Address : 289 East Water Tower Drive
Monom IN 47959
Country : US
Company Phone : 5748082137

Name : VT Hackney
Address : 300 West Hackney Drive
Independence KS 67301
Country : US
Company Phone : 3308573011

Name : SAF-HOLLAND Canada, Ltd
Address : 595 Anthlone
Woodstock, ONT 00 N4S 7Z5
Country : CA
Company Phone : 5196023260

Name : SAF-HOLLAND International de Mexico s.d.
Address : Tlalnepantla de Baz Estado de Mexico
Mexico City 00 54040
Country : MX
Company Phone : 5554572405

Name : Fruehauf
Address : 277 Technology Way
Bowling Green KY 42101
Country : US
Company Phone : 2702820605

Name : Aurora Parts and Accessories
Address : 500 South Enterprose Boulevard
Lebanon IN 46502
Country : US
Company Phone : 7654835674

Name : Great Dane Limited Partnership
Address : 131 Technology Circle
Savannah GA 17824
Country : US
Company Phone : 9126442439

* NR - Not Reported