# Part 573 Safety Recall Report 23E-040

**Manufacturer Name :** Veoneer Brake Systems, LLC
**Submission Date :** JUN 08, 2023
**NHTSA Recall No. :** 23E-040
**Manufacturer Recall No. :** NR

## Manufacturer Information :

Manufacturer Name : Veoneer Brake Systems, LLC
Address : 2001 Industrial Drive
Findlay OH 45840
Company phone : 760-2829

## Population :

Number of potentially involved : 137,033
Estimated percentage with defect : 1 %

## Equipment Information :

Brand / Trade 1 : Veoneer Brake Systems
Model : Brake Booster Assembly
Part No. : Multiple, see below
Size : NR
Function : Brakes
Descriptive Information : New line operators starting on October 6, 2020 through December 22, 2020 (date Veoneer Brakes implemented additional visual quality check of blue confirmation line confirming nut present and fully torqued).

Proposed remedy is to perform an inspection and remedy, if needed. It is estimated that less than 1% of the suspect population is potentially affected.

List of Part Numbers:

Part Number 4600A-TBA-A000 Quantity: 62178; Part Number 4600A-TBA-A100 Quantity:121; Part Number 4600A-TBF-A110 Quantity: 1410; Part Number 4600A-TG7-A500 Quantity: 34492; Part Number 4600A-TGS-A200 Quantity: 23351; Part Number 4600A-TYR-A100 Quantity: 15481; Total parts supplied: 137,033

Production Dates : OCT 06, 2020 - DEC 22, 2020

**Description of Defect :**

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|---|---|
| Description of the Defect : | Nuts may not have been properly assembled and torqued to the tie rods connecting the brake booster to the brake master cylinder during the manufacturing process for the period covering October 6, 2020 (3rd shift- 10:00 pm) through December 22, 2020 (1st shift). |
| FMVSS 1 : | NR |
| FMVSS 2 : | NR |
| Description of the Safety Risk : | Brake master cylinder separation can cause a loss of brake function and increase the risk of a crash. |
| Description of the Cause : | Operators were to hand-start the nuts, two to three threads, onto each tie rod before releasing to the next manufacturing process. During the period covering October 6, 2020 (3rd shift- 10:00 pm) through December 22, 2020 (1st shift), new line operators may not have followed established procedures and a secondary process for quality inspection may, in certain conditions, have failed to confirm torqued installation of the nut. As a result, the nut may have been missing or improperly torqued. |
| Identification of Any Warning that can Occur : | Soft braking function and/or abnormal noise may be noticed by driver if this condition is present. |

**Involved Components :**

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|---|---|
| Component Name : | Brake Booster Assembly |
| Component Description : | Brake Booster Assembly |
| Component Part Number : | See part number list in "Descriptive Information to include" section above |

**Supplier Identification :**

**Component Manufacturer**

| | |
|---|---|
| Name : | Veoneer Brake Systems, LLC |
| Address : | 2001 Industrial Drive<br>Findlay Ohio 45840 |
| Country : | United States |

**Chronology :**

In November of 2022, Honda provided Veoneer with information about a possible field report involving a Brake Booster Assembly with compromised brake performance and an investigation begins.

In February of 2023, Honda informed Veoneer of a second possible field report with compromised brake performance involving a Brake Booster Assembly manufactured close in time to the earlier reported field report.

As part of the investigation into the November 2022 and February 2023 field reports, Veoneer management learned that an issue with the assembly and torquing of the nut on the tie rod connecting the brake booster to the brake master cylinder (once assembled, this combination is the Brake Booster Assembly) had been addressed in or around December 2020 in response to a factory identification of a single nonconforming part identified at Honda's plant in Alabama in December of 2020 without any flow out. A quality investigation was completed in conjunction with Honda, which included assembly line process, implementation of corrective action and validation of these actions. Beginning December 22, 2020, a blue confirmation line was applied to both nuts on every Brake Booster Assembly at Final Inspection to verify that both nuts and washers were present before placing the Brake Booster Assemblies in the shipping containers.

In May 2023, Veoneer's executive critical concern review team decided to report a potential safety risk.

**Description of Remedy :**

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|---|---|
| Description of Remedy Program : | Inspection of affected population and repair or replace Brake Booster Assembly if needed. |
| How Remedy Component Differs from Recalled Component : | Inspection action with remedy if needed. Estimated percentage with defect is estimated to be below 1%. |
| Identify How/When Recall Condition was Corrected in Production : | December 22, 2020. Please see Chronology of Defect. |

**Recall Schedule :**

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|---|---|
| Description of Recall Schedule : | Defer to Honda. |
| Planned Dealer Notification Date : | NR - NR |
| 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 : | Honda Motor Company |
| Address : | 1919 Torrance Blvd.,<br>Torrance CA 90501 |
| Country : | US |
| Company Phone : | 3103574514 |

* NR - Not Reported