



U.S. Department
of Transportation

National Highway
Traffic Safety
Administration

Part 573 Safety Recall Report

25V459

Manufacturer Name: Zero Motorcycles Inc.

Submission Date: Jul 08, 2025

NHTSA Recall No.: 25V459

Manufacturer Recall No.: SV-RCL-025-017

Manufacturer Information

Population

Manufacturer Name: Zero Motorcycles Inc.

Address: 380 El Pueblo Road
Scotts Valley CA, 95066

Total number of potentially involved: 44

Estimated percentage with defect: 30%

Vehicle Information

Vehicle 1: 2024-2024 ZERO DSR/X

Product Category: Motorcycles

Product Type: Motorcycles

Fuel / Propulsion: Electric Battery Power

Production Dates: Sep 04, 2023 - Feb 23, 2024

Number of potentially involved: 19

Descriptive Information:

Model year 2024 Zero DS, Zero DSR, DSRP, and Zero DSR/X motorcycles manufactured between September 2023 and February 2024.

Vehicle 2: 2024-2024 ZERO DS

Product Category: Motorcycles

Product Type: Motorcycles

Fuel / Propulsion: Electric Battery Power

Production Dates: Sep 04, 2023 - Feb 23, 2024

Number of potentially involved: 15

Descriptive Information:

Model year 2024 Zero DS, Zero DSR, DSRP, and Zero DSR/X motorcycles manufactured between September 2023 and February 2024.

Vehicle 3: 2024-2024 ZERO DSR

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Product Category: Motorcycles

Product Type: Motorcycles

Fuel / Propulsion: Electric Battery Power

Production Dates: Sep 04, 2023 - Feb 23, 2024

Number of potentially involved: 9

Descriptive Information:

Model year 2024 Zero DS, Zero DSR, DSRP, and Zero DSR/X motorcycles manufactured between September 2023 and February 2024.

Vehicle 4: 2024-2024 ZERO DSRP

Product Category: Motorcycles

Product Type: Motorcycles

Fuel / Propulsion: Electric Battery Power

Production Dates: Sep 04, 2023 - Feb 23, 2024

Number of potentially involved: 1

Descriptive Information:

Model year 2024 Zero DS, Zero DSR, DSRP, and Zero DSR/X motorcycles manufactured between September 2023 and February 2024.

Defect / Noncompliance Description

Description of the defect or noncompliance:

The subject motorcycles may have been produced with the front brake hose from the HCU to calipers twisted 180°, which restricts the designed flexibility through the “p-clamp” causing it to rub and damage the outer layers of the brake hose potentially leading to brake fluid leakage and possible loss of brake pressure.

FMVSS1:

FMVSS2:

Description of the safety risk, including crash, fire, death, injury:

Brake fluid leaking can lead to a loss of brake pressure preventing the front brakes from operating normally to slow the motorcycle.

Description of the cause:

Zero Motorcycles operations personnel twisted the brake hose on the manufacturing line during the

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installation to the ABS HCU for the subject motorcycles. These motorcycles were correctly assembled but may have the brake hose twisted.

Identification of any warning that can occur:

Visual inspection for a frayed or damaged front brake line that may include signs of leaking brake fluid and/or front brakes that may not function as expected.

Component Manufacturer

Tier of Supplier:

Supplier Type:

Name:

Address:

Country:

Involved Components

Component Name 1: FRONT CALIPER TO HCU BRAKE LINE

Component Description: FRONT CALIPER TO HCU BRAKE LINE

Component Part Number: 25-08195

Chronology

· In December 2024, two warranty claims were submitted for leaking brake hoses. One report included a loss of control event due to reduced front braking, though no injuries occurred. Due to the low volume, no immediate action was taken.

· In June 2025, eight additional claims were received (six of which were from a fleet in Europe) prompting further investigation. It was determined that a 180° twist in the front brake hose was the root cause.

On July, 8 2025, the Product Integrity Team at Zero met to review the information gathered around the twisted brake hose causing the reduction in flexibility. Based on this meeting, this team confirmed that the front brake hose twist for the 43 units of model year 2024-2025 Zero DS, Zero DSR, and Zero DSR/X motorcycles should be inspected or replaced, as necessary, and recommended the company take steps to voluntarily pursue a safety recall.

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Zero Motorcycles is aware of one event in Europe where a rider lost control due to reduced braking capability. No injuries were reported.

Related NHTSA Recall Number:

Description of Remedy

Remedy Type: Inspect, Replace

Consumer Advisories: ☐ Do Not Drive ☐ Park Outside

Description of remedy program:

Zero Motorcycles dealers will inspect for the twist and any damage to the hose caused by the twist. If the hose is twisted or damage is present on the hose, dealers will replace the hose and route properly during installation. Dealers will then submit a warranty claim for the parts and labor related to the repair/replacement. The labor time for inspection is .50 and replacement is 1.50 hours. Zero Motorcycles has not developed a separate reimbursement plan for this recall because all the motorcycles are under warranty, and no owner should have paid for this repair out of pocket.

How remedy component differs from recalled component:

Routing the brake hose correctly provides the designed amount of flexibility to prevent damage to the brake hose.

Identify how/when recall condition was corrected in production:

Zero Motorcycles production inspected all the motorcycles on the production line and still in our possession the week of June 23, 2025 and any found 100% compliance, i.e., no twists. Additional inspection requirements were confirmed with the Final Quality Inspection team on June 25, 2025.

Reimbursement Plan

Description of reimbursement program:

Dealers will then submit a warranty claim for the parts and labor related to the repair/replacement. The labor time for inspection is .50 and replacement is 1.50 hours. Zero Motorcycles has not developed a separate reimbursement plan for this recall because all the motorcycles are under warranty, and no owner should have paid for this repair out of pocket.

Period of reimbursement:

Costs to be reimbursed:

The labor time for inspection is .50 and replacement is 1.50 hours.

Address for reimbursement claims:

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Recall Schedule

Description of recall schedule:

Zero Motorcycles expects to notify its dealer network no later than the week of July 21, 2025 and motorcycle owners no later than the week of July 28, 2025.

Planned Dealer Notification Date:☐ No Dealers**Planned Interim Owner Notification Date:**☐ No Owners**Planned Remedy Owner Notification Date:**☐ Phased Recall**Date when VIN will be searchable:** Jul 28, 2025