



Dealer Operator/ General Manager	Sales New Vehicles	Sales Used Vehicles	Business Manager (F&I)	Service	Parts & Accessories	Administration
July 10, 2025		Source: Zero Motorcycles Customer Service Department				

## SV-RCL-025-002 FST Adventure Brake Line Inspection Recall

### NHTSA Campaign Number: 23E-074 (Recall: 25V-459)

#### Purpose

This document identifies improper installation of the front brake line between the hydraulic control unit (HCU) and the left front caliper. This issue can occur if either the front brake line was installed 180 degrees off during HCU sub-assembly or if the brake line was twisted 360 degrees during installation of the front brake line to the caliper.

In the interest of motor vehicle safety and customer satisfaction, Zero Motorcycles has elected to initiate a voluntary recall (Campaign 23E-074) to remedy this issue. The remedy is to have Zero Motorcycles dealers inspect and, if necessary, replace the left front brake line on affected motorcycles.

If brake line twisting is found, the motorcycle must be repaired. Use the following inspection criteria to determine if repair is necessary.

**It is a violation of Federal law for you to deliver any new motorcycle in your inventory that is affected by this recall until the remedy is completed. You may sell an affected motorcycle, but you may not deliver it prior to the remedy being completed. In addition, Zero Motorcycles urges each dealer to repair any previously owned motorcycles that are in its inventory prior to resale to a consumer.**

#### Applicable Models

MY24 FST Adventure Platform Motorcycles

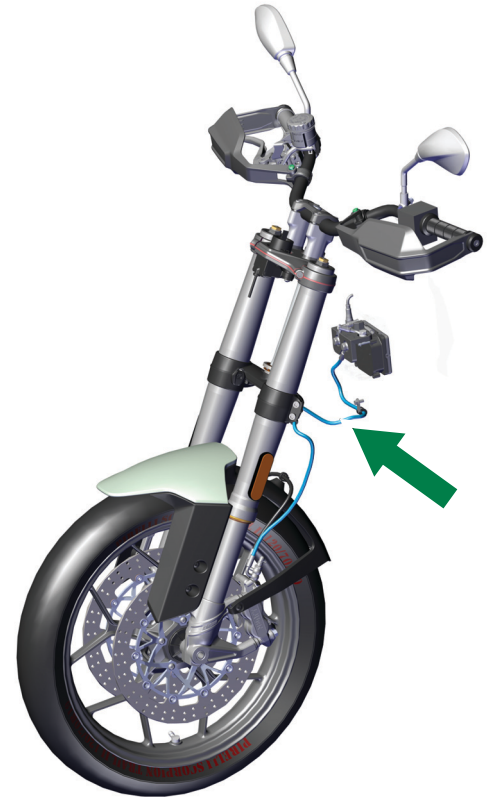
#### Owner Notification

In accordance with Federal regulations administered by NHTSA, Zero Motorcycles will send a letter to registered owners of affected motorcycles, notifying them of this regulatory compliance condition and instructing them to contact their dealer for the associated remedy. Zero will also attempt to contact these customers via email.

To protect and ensure the highest satisfaction of our riders, it is our mutual responsibility to ensure this inspection is performed on all affected motorcycles. Therefore, we strongly encourage you reach out to your customers to make sure that they are aware of this program. Don't forget to perform the inspection on all affected new motorcycles in your inventory prior to delivery to your customers. We urge you to perform the inspection on any previously owned motorcycles in your inventory, if any.

If you are aware of any unregistered owners of this affected motorcycle population, please advise us of their names, addresses and VIN's, so that we may mail them the owner's letter.

If you are not sure that this safety recall has been performed on a particular motorcycle, please contact Zero Motorcycles Customer Service for verification.



If you have any questions, please contact the Customer Service Team.  
North America: 888-RUN-ZERO (888-786-9376) Ext. 2

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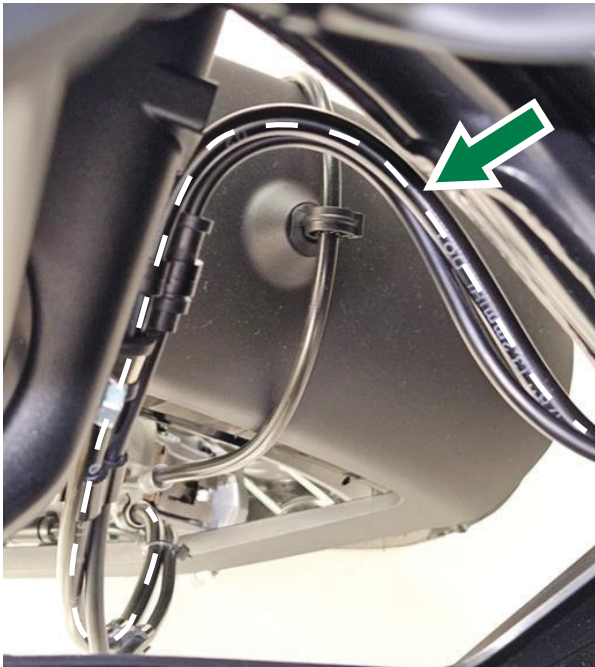
## Required Parts

If the line is found to be twisted, the following are necessary:

- Brake line - (25-08195)
- 2- P-Clamp - (25-08058)
- 3 - Crush Washer - (90-08216)

## Inspection

Top View Normal



Top View Twisted

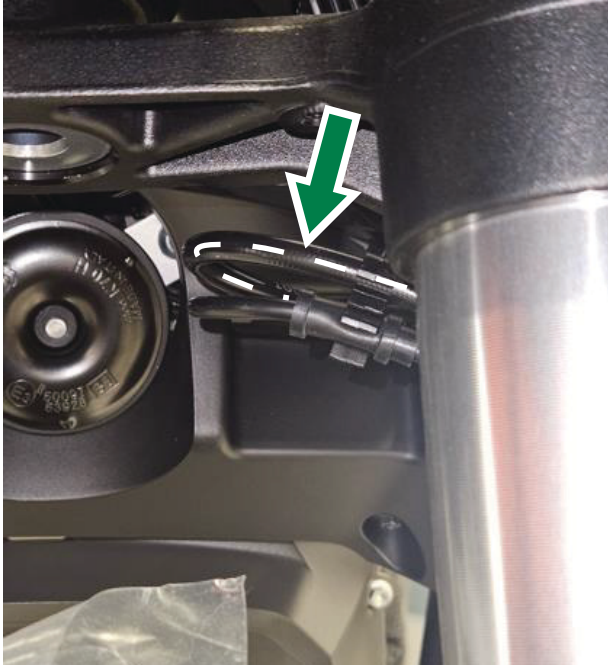


1. Inspect the brake line from the top of the motorcycle.
  - **Normal:** The brake line has enough slack and is positioned below the frame with slack between the p-clamp and the caliper.
  - **Twisted:** The brake line is tight with little slack causing the line to be positioned next to the frame. There is little to no slack between the p-clamp and the caliper.

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Front View Normal



Front View Twisted



2. Inspect the brake line from the front of the motorcycle.

- **Normal:** The brake line will be in line with the p-clamp. The bend is pointed towards the horn and is nearly horizontal.
- **Twisted:** The brake line is more vertical and out of alignment with the p-clamp. The bend will not be visible as it is above the fork triple clamp next to the frame.

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Part Number Outward



Part Number Inward

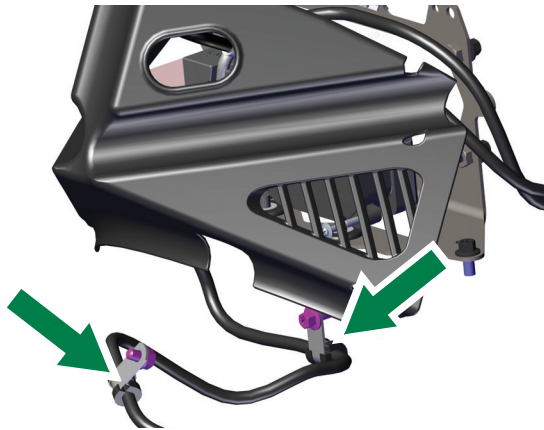


3. Inspect the brake line at the HCU.
  - **Normal:** The part number of the brake line will be facing outward.
  - **Twisted:** The part number of the brake line will be facing inward.
4. If the brake line is twisted, proceed to ["Brake Line Replacement" on page 5](#) to replace the line. If not twisted, the motorcycle can be returned to service.

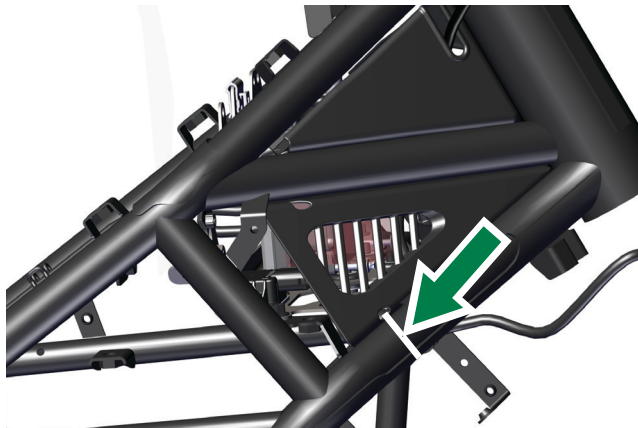
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## Brake Line Replacement

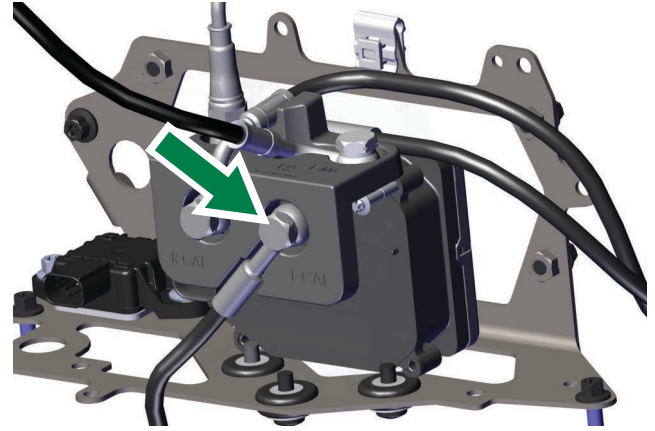
1. Remove the right inner fairing. Refer to **Body - Fairing Side Inner Right** in the [service manual](#) for instructions.



2. Remove the two p-clamps securing the brake line.



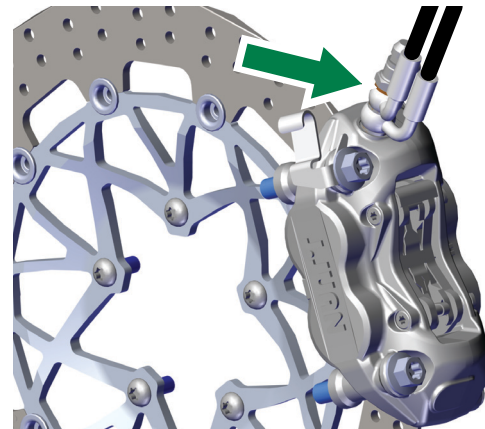
3. Remove the cable ties securing the HCU cover and move the cover out of the way.



4. Remove the brake line and crush washers from the HCU.

### CAUTION

*The hose-orientation jig on the HCU is nylon and can be damaged by brake cleaner. Do not use brake cleaner on the jig.*

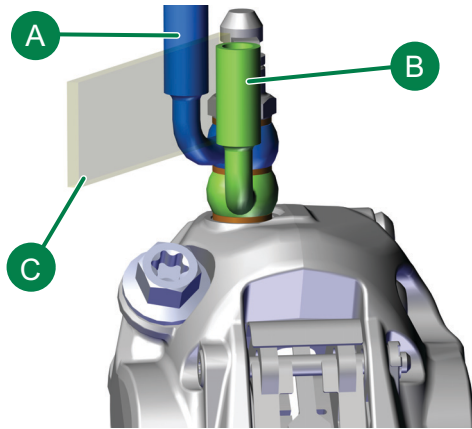


5. Disconnect the brake line and crush washers from the left front caliper.
6. Install the new brake line, banjo bolt and crush washers onto the HCU. Torque: 20 lb-ft (27 Nm)

*Note: Orient the brake line with the part number facing outward from the HCU with the banjo bolt in the same orientation as it came with the new brake line.*

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- Route the brake line to the caliper as outlined in the previous section.
- Install the two p-clamps in the same location as removed.



- A. New brake line - On top, angled toward the outside.  
 B. Jumper line - On bottom, angled toward rear of bike.  
 C. Wedge

- Install the brake line, banjo bolt and new crush washers onto the caliper as shown. Use a small piece of plywood or similar non-marring wedge device to keep the brake lines from contacting each other when tightening. Torque: 20 lb·ft (27 Nm)
- Bleed the brake system (front and rear) as outlined in the service manual.



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## Timing and Reimbursement

To receive reimbursement for the work performed and any parts used under this service campaign, the dealer must submit a Warranty Claim for the replacement costs incurred that includes the following information:

- Fault Summary: FST Adventure Brake Line Inspection Recall
- Fault Area: 25-Brake
- Fault Code: 90-Service Bulletin Recall
- Service Bulletin / Recall: FST Adventure Brake Line Inspection Recall
- Warranty Claim Type: Service Bulletin/Recall

See example below for full details.

**Technical**

**Fault Summary** ● MY24 Zero FST ADV FRONT BRAKE LINE ROUTING RECALL (SV-RCL-025-017)

**Fault Area** 25-Brake

**Fault Code** 91-Service Bulletin Recall

**Current Odometer Reading**

**Mileage Type** Miles

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

**Warranty**

**Warranty Claim Type** \* Service Bulletin/Recall ▼

**First Repair Order Date** 7/14/2025 [ 7/14/2025 ]

**Repair Completed Date** ① 7/14/2025 [ 7/14/2025 ]

**Order #** ①

**Invoice #**

**Labor Time** .50 or 1.50

**Parts Shipping Charges** ①

**Resolution** \* Inspected front brake line only.  
Or  
Inspected and replaced front brake line.

**Fault Summary** ① MY24 Zero FST ADV FRONT BRAKE LINE ROUTING RECALL (SV-RC

**Subsystem** 2500-Brakes ▼

**Fault Area** 2500-Brake ▼

**Fault Code** 9904-Service Bulletin Recall ▼

**Current Odometer Reading** \* 333

Zero Motorcycles believes that the time that should be allotted to this work is 0.5 hours for inspection and 1.5 hours for replacement. We do not reimburse any costs related to towing or loaner/temporary replacement motorcycles/vehicles.

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Technical Cases for affected motorcycles have been created by Zero Motorcycles. To find the matching case number in the Partner Community select the “Support” tab:

Open Closed

Start New Case

Filter:

Case Number | Vehicle Identificat... | Customer | Year | Model | Power Pack | Status | Last Update

Click on the “Start New Case” button and enter the last 5 digits of the frame number in the “Enter Vehicle Identification Number” field:

Search

Search Cancel

Enter Vehicle Identification Number

OR

Enter Customer Email Address

OR

Enter Customer Phone Number

You will find the matching case in the **Open Service Notification** list.

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