

Part 573 Safety Recall Report

24V-769

Manufacturer Name : Suzuki Motor USA, LLC**Submission Date :** OCT 16, 2024**NHTSA Recall No. :** 24V-769**Manufacturer Recall No. :** 3A04**Manufacturer Information :**

Manufacturer Name : Suzuki Motor USA, LLC

Address : 3251 East Imperial Highway

Brea CA 92821-6795

Company phone : 714-996-7040

Population :

Number of potentially involved : 6,338

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2022-2024 Suzuki GSX1300R

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : Vehicles in the recall population were equipped with a front brake master cylinder that was manufactured with a fluid cap diaphragm that causes an inappropriate reaction to brake fluid. The affected recall population is determined by VIN range. The remedy parts are identified by part numbers and markings.

Production Dates : MAR 26, 2021 - MAR 29, 2024

VIN Range 1 : Begin : JS1EJ11B5N7100001 End : JS1EJ11B6R7101566

 Not sequential

VIN Range 2 : Begin : JS1EJ11D3N7100001 End : JS1EJ11DOR7100320

 Not sequential**Description of Defect :**

Description of the Defect : Migration of certain elements present in the brake fluid cap diaphragm into the brake fluid could cause the brake fluid to react to rubber seal components within the front brake master cylinder and cause them to swell. Swelling of the primary seal cup seal could cause blockage of the master cylinder primary port and could cause excessive front brake lever travel during an initial application of the front brake. Under the worst-case condition, the vehicle may experience increased braking distance and may not comply with FMVSS 122.

FMVSS 1 : 122 - Motorcycle brake systems

FMVSS 2 : NR

Description of the Safety Risk : In the worst-case condition braking distance may extend, increasing the risk of a crash.

Description of the Cause : Certain elements present in the brake fluid cap diaphragm material can migrate into the brake fluid and cause a reaction in the fluid that can cause swelling of the rubber seal cups in the brake master cylinder body. Under this

condition, the front brake master cylinder primary port may become blocked if the primary seal cup becomes enlarged from swelling.

In this case, fluid pressure change caused from normal cooling of the brake fluid of the vehicle could create a negative pressure condition in the brake system. If this occurs, the front brake caliper pistons could retract creating excessive gap between the front brake pad and discs. In this condition, at the next application of the front brake the front brake lever will have excessive travel as the front brake pads move to contact the front brake discs and before brake system friction begins.

Identification of Any Warning that can Occur : The front brake lever will present with excess travel when first applied. In this condition, braking force may be reduced.

Involved Components :

Component Name 1 : Cylinder Assy, Front Master

Component Description : Body, Front Master Cylinder

Component Part Number : 59600-10L00

Component Name 2 : Cylinder Assy, Front Master

Component Description : Body, Front Master Cylinder

Component Part Number : 59600-10L20

Component Name 3 : Diaphragm, Right

Component Description : Diaphragm

Component Part Number : 59667-23H00

Supplier Identification :

Component Manufacturer

Name : Hitachi Astemo. Ltd

Address : 4370 Kamichihara

Joetsu, Niigata Foreign States 942-0035

Country : Japan

Chronology :

The chronology is attached as a separate document.

Description of Remedy :

Description of Remedy Program : The front brake master cylinder body and brake fluid cap diaphragm will be replaced with new parts. The plan for reimbursing customers who have paid for repairs to remedy the reported condition is attached as a separate document.

How Remedy Component Differs from Recalled Component : The front brake master cylinder body will be replaced with a new part that includes a repositioned primary port. The new part is identifiable by a punch mark on the master cylinder body imprinted on the side of the body housing. The brake fluid cap diaphragm will be replaced with a new part that does not contain material that could cause the described brake fluid reaction. The new diaphragm will be identifiable by a notch at the upper side and also with an "F" mark embossed into the center area of the part.

Identify How/When Recall Condition was Corrected in Production : From October, 2024 production, a revised brake fluid cap diaphragm will be applied. The revised part will be constructed of material that will not react with brake fluid and cause seal cup swelling.

Recall Schedule :

Description of Recall Schedule : The notification schedule shown is the current estimate. Suzuki will provide notification of any schedule changes as necessary.

Planned Dealer Notification Date : OCT 24, 2024 - OCT 24, 2024

Planned Owner Notification Date : OCT 25, 2024 - OCT 25, 2024

* NR - Not Reported