

Service Bulletin



50
YEARS IN THE USA

SUZUKI MOTOR OF AMERICA, INC.
3251 E. Imperial Hwy, Brea CA 92821 USA

MOTORCYCLE DIVISION
GS/GSX/GSX-R NO. 226
DATE: 07/29/2013

SUBJECT: SAFETY RECALL CAMPAIGN — ABS HYDRAULIC CONTROL UNIT

MODELS: GSX1300RAL3, GSX1300RAZL3

REFERENCE: GSX1300R Service Manual, P/N 99500-39351-03E

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act. Suzuki Motor Corporation has decided that a defect which relates to motor vehicle safety exists in certain 2013 model Suzuki motorcycles listed above.

STOP DELIVERY OF AFFECTED MOTORCYCLES IMMEDIATELY

DO NOT DELIVER an affected motorcycle to a customer until you have completed, or verified completion of, the repair procedures outlined in this bulletin.

It is a violation of Federal law to deliver any new vehicle subject to a safety recall campaign under a sale or lease until the defect or noncompliance has been corrected. You must verify this on the Suzuki “Certificate of Vehicle Pre-Delivery” form, which is to be completed for all new and used vehicle sales.

In addition to being a violation of Federal law, selling a non-repaired unit is a direct violation of your Suzuki dealer agreement and may lead to additional sanctions.

What Is the problem?

During the assembly of the Anti-Lock Brake (ABS) Hydraulic Control Unit, a chip of aluminum may have been dislodged and remained in the ABS unit. The aluminum chip may prevent normal operation of a check valve. While the normal braking system will remain fully operative, the aluminum chip may cause the ABS function to not perform properly. If the ABS function does not perform properly, unexpected tire skidding during hard or panic braking may occur, increasing the risk of a crash.

Affected Units:

Units produced from 01/14/2013 to 04/26/2013.

Model	Name	Model Year	VIN Range	
GSX1300RAL3 GSX1300RAZL3	Hayabusa	2013	JS1GX72B-x-D2100018	JS1GX72B-x-D2102337
GSX1300RAL3 GSX1300RAZL3	Hayabusa	2013	JS1GX72B-x-D2102409	JS1GX72B-x-D2102708

Verify the ABS Hydraulic Control Unit Requires Replacement:

Before performing the recall repair to a unit, first verify that the repair needs to be performed. Check the repair status by accessing the Vehicle Master Inquiry form on the Suzuki Connect Service Menu. If the repair needs to be performed, you will see the message "CAMPAIGN NOT YET PERFORMED."

What Your Dealership Will Do:

Install the replacement ABS Hydraulic Control Unit and thoroughly bleed the brake system as outlined in this bulletin and the *GSX1300R Service Manual*. Then submit a Warranty Claim for reimbursement.

What Suzuki Will Do:

During the week of August 5, 2013, Suzuki will mail notification letters to owners of affected motorcycles for whom we have information. The letter instructs the customer to contact a Suzuki dealer to schedule an appointment. All units invoiced to your dealership after July 22, 2013, will already have the recall service performed.

If you have sold an affected unit and have not registered the sale of that unit, do so immediately so a Safety Recall Notice can be mailed to the customer.

Ordering Parts For the Recall Campaign:

Parts for this campaign will be available the first week of August.

Suzuki is introducing a new campaign parts ordering system, which will be used to monitor campaign-related parts distribution. The key points of this new system are outlined below. Additional details can be found in *Parts Bulletin # 2013-02*.

- 1) Recall Campaign parts can be ordered on Suzuki Connect using the following methods:
 - Daily Stock Order (Freight Prepaid)
 - Critical Order (Surcharge applies based on the shipping method selected)
- 2) Each campaign part on the order must be placed on a separate line along with the last 9 digits of the VIN entered into the memo field.

Line	Part Number	Qty	Memo	Description	Note	WC-AC	Pkg	Dir Cost	Extend
1	55610-15H01-RX0	1	XD210798						
2	55610-15H01-RX0	1	9D210898						

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- 3) Suzuki's Parts Department will verify that the VIN is affected by the recall campaign. Following verification, the order will be processed. The VIN entered on the parts order form will be displayed in the Sales Order Comments field on the packing list.

NOTE:

Due to Campaign Parts being on restricted release, pending verification of the VIN, the campaign parts may be listed as "BO" when checking Parts Availability on Suzuki Connect.

If you have questions regarding your parts order, please contact National Parts Coordination at (714) 854-2165.

<u>Part Name</u>	<u>Part Number</u>	<u>Quantity</u>
Unit Assembly, Hydraulic ABS	55610-15H01-RX0	1
Suzuki DOT 4 Brake Fluid	990A0-03007	1

NOTE:

Suzuki DOT 4 Brake Fluid is only shipped by the case (12 bottles).

Warranty Claim Processing:

Submit a warranty claim for each recall campaign service immediately upon completion of the repair. This campaign requires you to file a warranty claim using ONE of the methods described below:

Suzuki Connect Short Campaign Claim

A Short Campaign Claim will reimburse you for replacement of the ABS Hydraulic Control Unit, one (1) pint of Suzuki DOT 4 Brake Fluid, and one (1) hour labor.

RECALL CAMPAIGN — ABS HYDRAULIC CONTROL UNIT REPLACEMENT SUZUKI CONNECT SHORT FORM INSTRUCTIONS	
CLAIM NUMBER:	XXXXX.X (Dealer enters number)
ENTRY TYPE (Dealer chooses):	VIN, Model/Frame, or Control
REPAIR DATE:	Enter date of repair
MILEAGE:	Enter mileage at repair date
CAMPAIGN NUMBER:	2A30

Suzuki Connect Long Campaign Claim

The Long Campaign Claim entry should be used when additional parts or labor are required to complete the Recall Campaign service. A Long Form Claim will require TSM authorization.

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**RECALL CAMPAIGN — ABS HYDRAULIC CONTROL UNIT REPLACEMENT
SUZUKI CONNECT LONG FORM INSTRUCTIONS**

CLAIM INFORMATION

CLAIM NUMBER: XXXXX.X (Dealer enters number)
ENTRY TYPE (Dealer chooses): VIN, Model/Frame, or Control

REPAIR DATE: Enter date of repair
MILEAGE: Enter mileage at repair date
CAMPAIGN NUMBER: 2A30
LABOR HOURS: AS REQUIRED
CAUSAL PART: 55610-1501-RX0

PARTS INFORMATION

REPLACEMENT PARTS: AS REQUIRED

FAILURE DESCRIPTION

DESCRIPTION OF DEFECT: RECALL 2A30
DESCRIPTION OF REPAIR: Performed recall repair as required per
Service Bulletin

SUBLET INFORMATION

SUBLET AMOUNT: AS REQUIRED
INVOICE NUMBER: N/A
SUBLET REPAIR DESCRIPTION: AS REQUIRED

Procedure:

Perform the procedure on the following pages, and refer to the *GSX1300R Service Manual* as necessary.

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ABS Hydraulic Control Unit Removal

- 1) Turn off the ignition switch.
- 2) Refer to **sections 9D-14, 9D-20 and 9D-21** in the Service Manual and do the following:
 - Remove the front seat, rear seat, and pillion rider handle.
 - Remove the rear combination light coupler and seat lock cable.
 - Remove the frame cover.
- 3) Disconnect the battery (–) lead wire.
- 4) Refer to **section 1G-10** in the Service Manual and do the following:
 - Remove the front fuel tank bolts.
 - Lift the front of the fuel tank up and support it with the prop.
 - Disconnect the fuel pump lead wire coupler.
 - Place a shop towel under the fuel feed hose, and disconnect the fuel feed hose from the fuel tank.
- 5) Disconnect the fuel tank drain hose.
- 6) Disconnect the surge hose for E-33 models.
- 7) Disconnect the fuel tank breather hose (except for E-33 models).
- 8) Remove the prop stay.
- 9) Remove the fuel tank by removing its bracket bolts.
- 10) Remove the fuel shut-off valve and surge hose. (For E-33 models, remove it from the fuel tank.)

NOTICE

If you do not disconnect the fuel feed hose at the fuel pump, the hose can be damaged when you set the fuel tank down after removal.

Be sure to disconnect the fuel feed hose at the fuel pump.

- 11) Turn over the heat shield.



- 12) Place the motorcycle on a level surface and keep the handlebars straight.
- 13) To help prevent brake fluid leakage when disconnecting the brake lines, do this:

- Connect a bleed hose to the front caliper bleed valve.
- Pull the front brake lever fully against the handlebar **while** loosening the bleed valve.
- **Continue** to hold the lever firmly against the handlebar and secure it against the handlebar with a band or a zip tie.
- Close the bleed valve.



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- 14) Remove the front **and** rear brake fluid reservoir caps and diaphragms, and remove as much of the old brake fluid as possible.

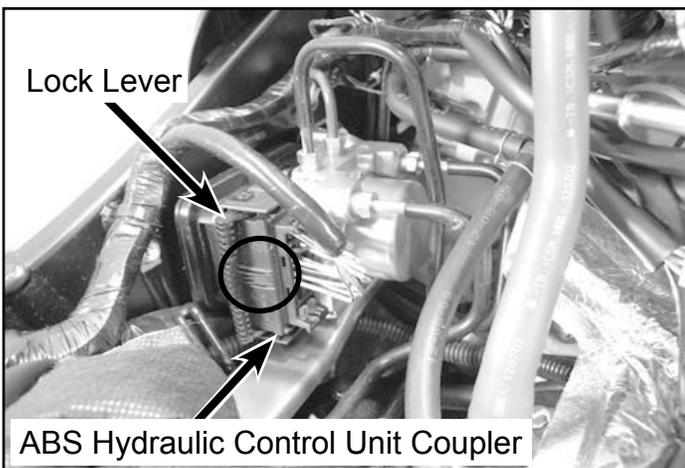
NOTICE

Spilled brake fluid can damage painted surfaces, and plastic and rubber parts.

Be careful not to spill any brake fluid. Wipe up spilled fluid immediately.

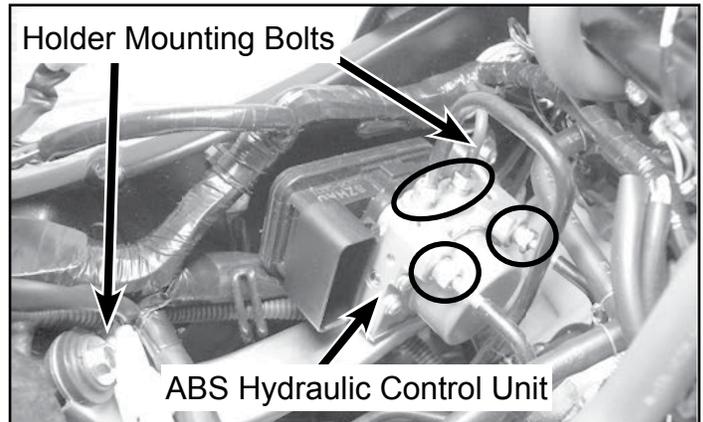


- 15) Press on the circled area in the illustration, release the lock lever and disconnect the ABS Hydraulic Control Unit from the coupler.



- 16) Place a shop towel around the ABS Hydraulic Control Unit to protect the motorcycle from brake fluid.

- 17) Loosen the flare nuts (circled), disconnect the brake lines, and remove the ABS Hydraulic Control Unit by removing the holder bolts.



- 18) Remove the bolts (circled) and remove the ABS Hydraulic Control Unit from the holder.



ABS Hydraulic Control Unit Installation

Install the new ABS Hydraulic Control Unit and other parts in the reverse order of removal.

Pay attention to the following points:

- 1) Tighten the following parts to the specified torque:

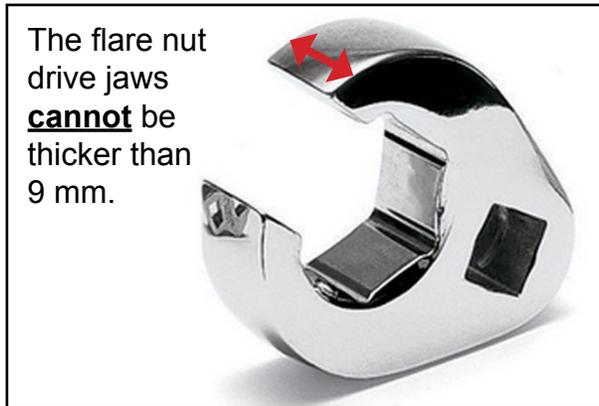
**ABS Hydraulic Control Unit holder bolts:
7.0 lbf-ft (10 N·m)**

**ABS Hydraulic Control Unit mounting bolts:
8.0 lbf-ft (11 N·m)**

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2) Route the brake hose lines correctly, and be sure to hold them while tightening the flare nuts so they are aligned correctly.

- You will need a flare nut drive, similar to the illustration below.
- The jaws of the flare nut drive jaws cannot be thicker than 9 mm. Otherwise, there will not be enough room to turn the flare nut drive while tightening the flare nuts.



- **Very carefully and precisely tighten the flare nuts to the torque specification.**

Brake line flare nuts:
11.5 lbf-ft (16 N·m)



Air Bleeding from Brake Fluid Circuit

To bleed the air from the brake circuit, see **section 14, pages 4A-4 through 4A-7** of the *GSX1300R Service Manual*.

▲ WARNING

The use of any brake fluid except DOT 4 brake fluid from a sealed container can damage the brake system and lead to an accident.

Use only Suzuki Genuine DOT 4 Brake Fluid from a sealed container. Never use or mix different types of brake fluid.

NOTICE

Failure to take proper care when handling brake fluid and the ABS Hydraulic Control Unit can cause damage.

- Be careful not to spill any brake fluid. Wipe up spilled fluid immediately.
- The ABS Hydraulic Control Unit is made of many precision parts and cannot be disassembled. Never subject it to strong impacts or allow it to become dirty or dusty.

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Important:

Successful completion of this safety recall campaign depends on your efforts. It is your responsibility to repair any affected unit within the VIN range at no cost to the customer for recall service parts and labor. Incidental costs your customers may incur are not normally covered. However, if you have a customer with special needs, contact your District Technical Service Manager (714) 996-7480 to discuss possible solutions.

Customer Satisfaction:

We understand and apologize for any inconvenience this recall campaign may cause you or your customers.

Thank you for your cooperation in conducting this very important campaign for your customers' safety and satisfaction.

Affected Departments:

The following departments in your dealership should be notified of this information:

- Management Service Warranty Sales Parts Accessories

Suzuki Motor of America, Inc.
Technical Service Department
Motorcycle Division



SUZUKI MOTOR OF AMERICA, INC.

SAFETY RECALL CAMPAIGN

2013 GSX1300RA, GSX1300RAZ

August 5, 2013

Dear Suzuki Owner:

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act. Suzuki Motor Corporation has decided that a defect which relates to motor vehicle safety exists in certain 2013 model-year Suzuki motorcycles listed above. According to our records, you are the owner of one of these motorcycles.

What is the problem?

During the assembly of the Anti-Lock Brake (ABS) Hydraulic Control Unit, a chip of aluminum may have been dislodged and remained in the ABS Unit. The aluminum chip may prevent normal operation of a check valve. While the normal braking system will remain fully operative, the aluminum chip may cause the ABS function to not perform properly. If the ABS function does not perform properly, unexpected tire skidding during hard or panic braking may occur, increasing the risk of a crash.

For your safety and customer satisfaction, we are initiating a safety recall campaign to replace the affected ABS Hydraulic Control Unit.

▲ WARNING

Operating your motorcycle without having the recall service performed may increase the risk of a crash.

Do not operate your affected motorcycle until this repair has been completed. To minimize the risk of a crash, do not ride or allow anyone else to ride your motorcycle until this recall service has been completed.

What is Suzuki doing to solve the problem?

Your dealer will replace the ABS Hydraulic Control Unit on your motorcycle. This procedure will take approximately 1 hour to complete. Parts are available now. There will be no charge to you for any recall service-related parts or labor.

What you should do:

Bring your motorcycle to your dealer. To aid your dealer and Suzuki, make sure you are prepared for the recall service by taking the following steps:

- ✓ Contact your Suzuki dealer as soon as possible to set up an appointment for the recall service. Do this before taking your motorcycle in for the repair.
- ✓ We suggest that you bring this letter and the enclosed card to your dealer to help your dealer process your claim.

What to do if you receive this letter in error:

This notice was mailed to you according to the most current information we have available. If you no longer own the Suzuki motorcycle described in this letter: Please complete and return the enclosed postage-paid card to Suzuki Motor of America, Inc., and forward this recall information to the current owner (if known).

Federal regulations require that any vehicle lesser receiving this recall notice must forward a copy of this notice to the lessee within ten days.

Who to contact if you experience problems:

Your Suzuki dealer can provide you the fastest response to your questions or concerns about the ABS Hydraulic Control Unit replacement campaign. If you have any difficulty with this recall campaign you may contact the Suzuki Motor of America Customer Service Department for assistance using the direct Customer Service telephone line at (714) 572-1490 during the hours of 8:30 AM to 4:30 PM Pacific Time. Please have your Vehicle Identification Number (VIN) ready when calling. You may also leave a brief message at (800) 444-5077 and a representative from the Suzuki Motor of America Customer Service Department will contact you.

If you believe that Suzuki Motor of America has failed to provide the Recall service without charge or is unable to do so within a reasonable time, you may submit a complaint to the Administrator of the National Highway Traffic Safety Administration, 1200 New Jersey Ave., S.E., Washington D.C., 20590 or call the toll-free Vehicle Safety Hotline at 1-888-327-4236 (TTY: 1-888-424-9153) or go to: **www.safercar.gov**

We apologize for any inconvenience this recall campaign causes you. We hope you understand that your safety, satisfaction and riding pleasure are important priorities for Suzuki.

Sincerely,

Suzuki Motor of America, Inc.