

# Technical Bulletin

Division: Automotive  
 Category: Technical

Section Title: Suspension-Wheels and Tires  
 TSB No. TS 02 10032

**SUBJECT:** SAFETY RECALL CAMPAIGN “NY”; LEFT AND RIGHT FRONT WHEEL HUBS CRACK.

**MODEL(S):** EQUATOR, (6I1A8F2) (6I3A8S2)

**YEAR:** CERTAIN 2012 MY VEHICLES PRODUCED FROM JUNE 20, 2012 ~ JULY 29, 2012.

**CONDITION:** Some vehicles may experience front wheel hubs that crack as a result of premature wear.

**CAUSE:** Affected vehicles were produced with front wheel hubs that were manufactured below hardness specifications.

**CORRECTION:** Suzuki dealers are requested to remove and replace the front left and front right wheel hub bearing assemblies.

### PARTS INFORMATION

Part Number	Description	Qty.	Notes
43420-82Z20	Hub Assembly, Front Wheel	2	Replace both the left and right front wheel hub assemblies.
45157-50Z00	Bolt	8	Four (4) <b>single use</b> wheel hub bolts per side.

Technical Service Department  
 Dealership Circulation – Initial and file:

Service Manager	Parts Manager	Service Advisor	Technicians						

Suzuki bulletins are intended for use by professional technicians, NOT a “do-it-yourselfer.” They are written to inform these technicians of conditions that may occur on some vehicles, or to provide information that could assist in the proper service of a vehicle. Properly trained technicians have the equipment, tools, safety instructions, and know-how to do a job properly and safely. If a condition is described, DO NOT assume that the bulletin applies to your vehicle, or that your vehicle will have that condition. See your authorized Suzuki dealer for information on whether your vehicle may benefit from the information. Suzuki reserves the right to change technical specifications at any time without prior notice.

**WARRANTY INFORMATION**

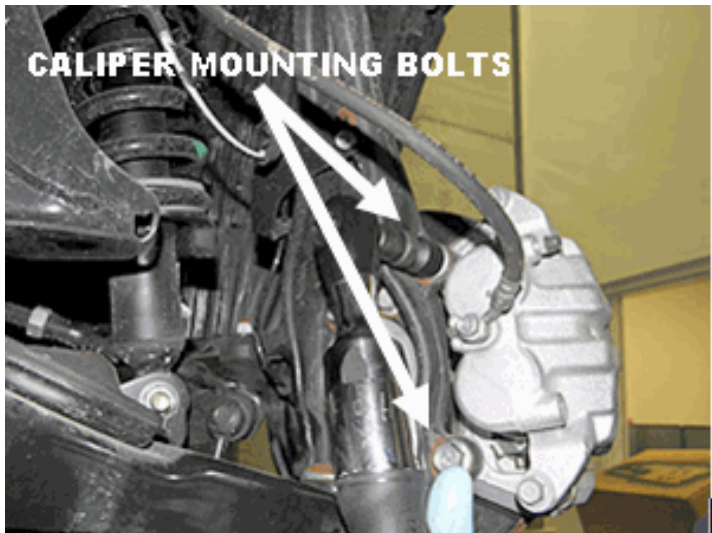
<b>Labor Operation</b>	<b>Description</b>	<b>Failed Part Number</b>	<b>Complaint Code</b>	<b>Defect Code</b>	<b>Labor Time</b>
Please refer to Campaign Bulletin SC-63 for claim submission Instructions.					

**Repair Procedure**

1. Raise the vehicle and remove the front wheel.



2. Without removing the hydraulic line or opening the hydraulic system, remove the brake caliper by removing the caliper mounting bolts.
  - a. Retain the caliper so that damage does not occur to it or other components.

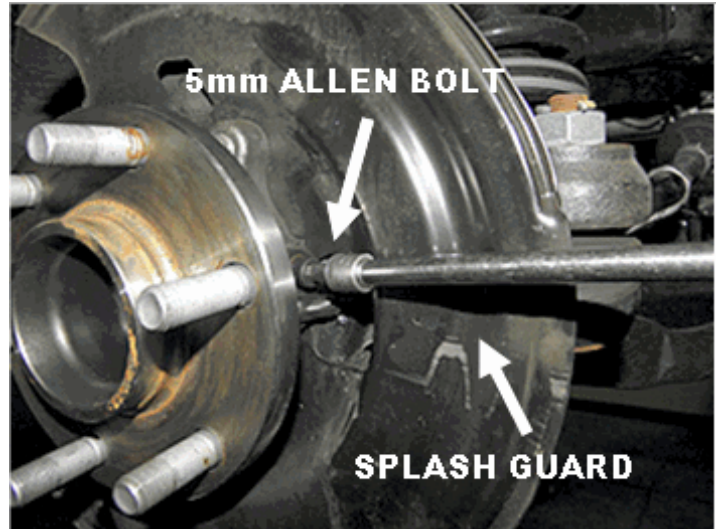


**NOTICE**

Supporting the brake caliper by the hydraulic line may damage the line. Use a suitable wire or strap to suspend the caliper during the hub replacement.

**Do not** allow the brake caliper to be supported by the hydraulic line.

3. Remove the wheel speed sensor.
  - a. Loosen and remove the 5mm Allen bolt.
  - b. Remove the wheel speed sensor and pass it through the splash guard.
  - c. Secure the wheel speed sensor so that damage does not occur to it or other components.

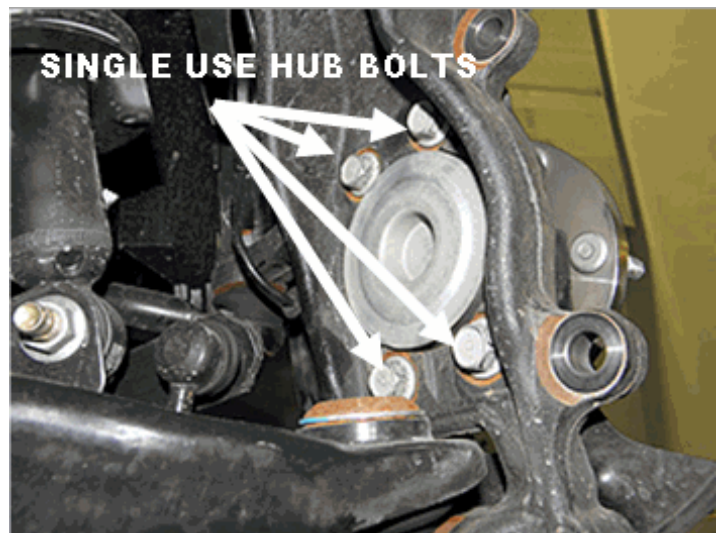


4. Remove and **discard** the four (4) 19mm **single use bolts** attaching the front wheel bearing hub and splash guard to the steering knuckle.

**NOTICE**

The splash guard is held in place by the same bolts which hold the bearing hub. When you remove the bolts and hub, the splash guard can fall and be damaged.

Take care not to allow the splash guard to fall and be damaged once the hub is removed.



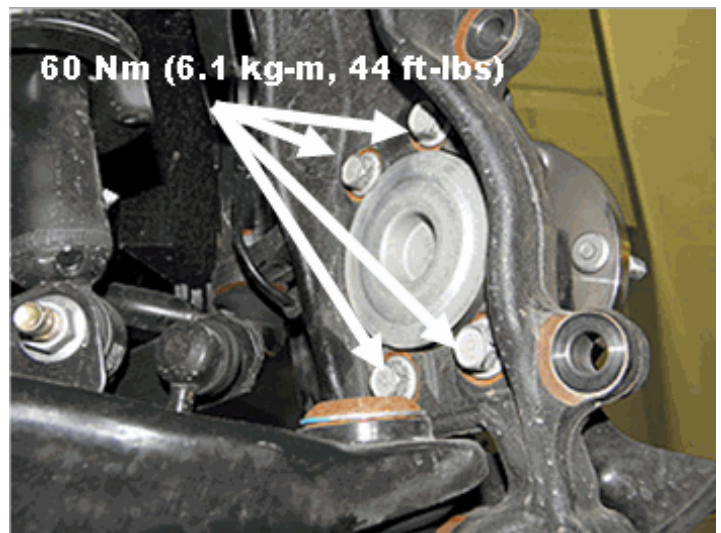
5. Remove the wheel bearing hub and the splash guard.
6. **Render the old wheel bearing hub unusable** by damaging the threads in the mounting bolt holes.



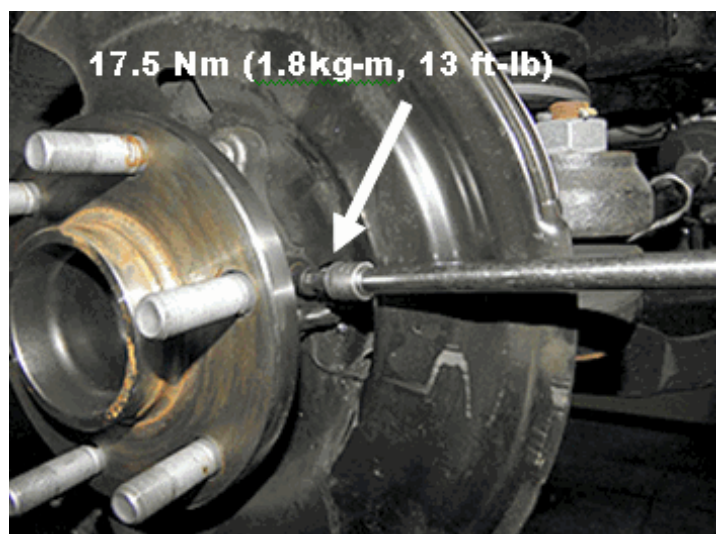
7. Reinstall the splash guard while aligning the wheel speed sensor opening in the splash guard to the steering knuckle.



8. Install the new wheel bearing hub with four (4) **new bolts** (See the Parts Information Table).
  - a. Torque to 60 Nm (6.1 kg-m, 44 ft-lbs).



9. Reinstall the wheel speed sensor.
  - a. Torque to 17.5 Nm (1.8kg-m, 13 ft-lb).



10. Reinstall the rotor and caliper.
  - a. Torque to 185 Nm (19 kg-m, 136 ft-lb).
11. Reinstall the front wheel and tighten the lug nuts in two or three steps using a star pattern.
  - a. Torque to 133 Nm (14 kg-m, 98 ft-lb).



12. Complete this campaign for the remaining front wheel hub.
13. Apply the proper campaign label to the upper radiator support in an area where it will be easily seen and identified, and write your Dealer Code in the white portion of the label.

