



AMERICAN SUZUKI MOTOR CORPORATION

2005-12-06 10:44  
LATEST INFORMATION

December 6, 2005

Mr. Daniel Smith  
Associate Administrator for Enforcement  
National Highway Traffic Safety Administration  
400 7th Street, S.W.  
Washington, D.C. 20590

Dear Mr. Smith:

On November 28, 2005, American Suzuki Motor Corporation submitted a report, pursuant to 49 CFR Part 573, concerning a safety-related defect in certain 2006 Suzuki Grand Vitara multipurpose passenger vehicles. Enclosed are copies of the following documents related to the recall campaign that Suzuki is conducting:

- (1) A copy of the initial notice that Servco Pacific, Inc., the Suzuki distributor in Hawaii, sent to dealers in Hawaii by electronic mail on November 30, 2005.
- (2) A copy of Servco Pacific Inc.'s final dealer notice for the recall campaign.

Please contact me if you have any questions concerning this matter.

Sincerely,

AMERICAN SUZUKI MOTOR CORPORATION

Kenneth M. Bush  
Associate Director  
Government Relations

**Subject:**

Suzuki Recall Campaign "HT" - Differential Bearing Retainer Replacement



Attachment A.xls  
(14 KB)

November 30, 2005

Good morning everyone.

This message is to inform you of an upcoming Suzuki Safety Campaign. Please share this information with your staff.

On November 28, 2005, Suzuki Motor Corporation filed a Defect Information Report (DIR) with the National Highway Traffic Safety Administration (NHTSA) regarding certain 2006 Grand Vitara (JB Series) 4 wheel drive vehicles. Suzuki has decided that a defect, which relates to motor vehicle safety, exists in certain 2006 Suzuki Grand Vitara 4 wheel drive vehicles.

Affected vehicles may have a crack on the left side of the rear differential bearing retainer. This condition may cause the vehicle to have gear seizure if the rear differential gear lubricant leaks from the crack and could result in the vehicle stopping in traffic.

Suzuki will initiate a Safety Campaign to replace the Rear (left) Differential Bearing Retainer on affected vehicles at no cost to the customer.

1. Affected vehicles

Only specific vehicle identification numbers (VIN) on Attachment A.

2. Owner notification

Due to the very small number of vehicles affected by this campaign, Suzuki owners will be notified by telephone call on or around December 15, 2005.

3. Dealer Safety Recall Campaign Responsibility

Dealers are to perform this Safety Recall on all affected vehicles upon customer request regardless of vehicle age, mileage or date of visit.

All affected in-dealer stock inventory, if any, subject to this Safety Recall Campaign must be completed prior to retail sale or lease of the affected vehicle. It is a violation of Federal law for a dealer to deliver a new motor vehicle until the defect or non-compliance is remedied.

If an affected vehicle is currently in your Service Department or is brought in for other service, use this opportunity to perform this safety recall and notify the customer of the campaign completion.

4. Parts Information

	PART NUMBER	DESCRIPTION	QUANTITY
1	27600-66810	Retainer Set, Rear Drive Shaft, Left	
	99000-31260	Suzuki Bond No. 1217G	1*

\*One tube will repair multiple vehicles.

The campaign parts required to perform this repair are currently in stock at Service Auto Parts Center (SAPC).

#### 5. Basic Information

Campaign Code : HT  
Operation Code :GR9999  
Complete Code : 99  
Defect Code : HT  
Labor Hours : 1.3 hrs. Replacement

The complete dealer information package will be posted to Dealer Web shortly.

Thank you very much for your cooperation.  
Kevin

(See attached file: Attachment A.xls)

NOTICE: This email message and all attachments transmitted with it are intended solely for the use of the addressee and may contain legally privileged and confidential information. If the reader of this message is not the intended recipient, or an employee or agent responsible for delivering this message to the intended recipient, you are hereby notified that any dissemination, distribution, copying, or other use of this message or its attachments is strictly prohibited.

<b>VIN</b>
JS3TD941564101210
JS3TD941564101286
JS3TD941664101295
JS3TD941864101198
JS3TD941964101226
JS3TD943364102034
JS3TD943364102048
JS3TD943364102079
JS3TD943464102009
JS3TD943664102030
JS3TD943964102071



Servco reference copy  
sent to Suzuki  
Ref.: HT - Final version  
Date: 12/5/2005  
 Action  
 Retain  
 Information

**TO: ALL SUZUKI DEALER PRINCIPALS,  
SERVICE MANAGERS, PARTS MANAGERS**

**SUBJECT: SAFETY CAMPAIGN NOTICE No. HT  
Rear Differential Bearing Retainer**

**MODEL: Certain 2006 Grand Vitara 4WD**

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Suzuki Motor Corporation has decided that a defect, which relates to motor vehicle safety, exists in certain 2006 Suzuki Grand Vitara 4 wheel drive vehicles.

Affected vehicles may have a crack on the left side of the rear differential bearing retainer. This condition may cause the vehicle to have gear seizure if the rear differential gear lubricant leaks from the crack and could result in the vehicle stopping in traffic.

Suzuki is requesting that Suzuki dealers replace the Rear (left) Differential Bearing Retainer on affected vehicles at no cost to the customer.

#### 1. Affected vehicles

Only specific vehicle identification numbers (VIN) on **Attachment A**.

#### 2. Owner notification

Due to the very small number of vehicles affected by this campaign, Suzuki owners will be notified by telephone call on or around December 15, 2005.

#### 3. Dealer Safety Recall Campaign Responsibility

Dealers are to perform this Safety Recall on all affected vehicles upon customer request regardless of vehicle age, mileage or date of visit.

All affected in-dealer stock inventory, if any, subject to this Safety Recall Campaign must be completed prior to retail sale or lease of the affected vehicle. It is a violation of Federal law for a dealer to deliver a new motor vehicle until the defect or non-compliance is remedied.

If an affected vehicle is currently in your Service Department or is brought in for other service, use this opportunity to perform this safety recall and notify the customer of the campaign completion.

#### 4. Parts Information

PART NUMBER	DESCRIPTION	QUANTITY
27600-66810	Retainer Set, Rear Drive Shaft, Left	1
99000-31260	Suzuki Bond No. 1217G	1*

\*Note: One tube will repair multiple vehicles.

Issued: 12/05/05

The campaign part kit required to perform this repair is currently in stock at Servco Auto Parts Center (SAPC).

#### **5. Basic Information**

Campaign Code : HT  
Operation Code : GR9999  
Complete Code : 99  
Defect Code : HT  
Labor Hours : 1.3 hrs. Replacement

#### **6. Time and Mileage Limits**

Applicable time and mileage limits do not apply.

Please review this entire package with your Service and Parts staff to familiarize them with the proper step-by-step procedures required to implement this Safety Recall Campaign.

Thank you for your cooperation.

SERVCO AUTOMOTIVE CUSTOMER SERVICES

Attachment: A) Affected vehicle VIN list.  
B) ADP Help page  
C) Repair instructions

## **[Attachment A]**

### **VIN**

JS3TD941564101210

JS3TD941564101286

JS3TD941664101295

JS3TD941864101198

JS3TD941964101226

JS3TD943364102034

JS3TD943364102048

JS3TD943364102079

JS3TD943464102009

JS3TD943664102030

JS3TD943964102071

**[Attachment B]**

**SERVCO AUTOMOTIVE CUSTOMER SERVICES DIVISION**

**Certain 2006 GRAND VITARA 4WD Rear Differential Bearing Retainer Replacement**

Reimbursement Procedure:

**For ADP users:**

<i>Complaint:</i>	<u>SSC-HT REAR DIFF. BEARING RETAINER</u>	T1: <u>99</u>
<i>Cause:</i>	<u>SSC-HT</u>	T2: <u>HT</u>
<i>Remedy:</i>	<u>REPLACED BEARING RETAINER</u>	

OFF:	<b>27661-66J10</b>	<b>RETAINER, REAR DRIVE SHAFT, LEFT</b>
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LON:	<b>GR9999 = 1.3 Hr./Veh.</b>	<b>SSC-HT RETAINER REPLACEMENT</b>
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NOTE: The above flat rate times include 0.1 hours of administrative cost per unit for the dealership.

Labor Type: **WSU**      Failure Code: **99/HT**      Claim Type: **CC**

GRAND VITARA 4WD (Specific VIN's only)

JS3TD941564101210	JS3TD941964101226	JS3TD943464102009
JS3TD941564101286	JS3TD943364102034	JS3TD943664102030
JS3TD941664101295	JS3TD943364102048	JS3TD943964102071
JS3TD941864101198	JS3TD943364102079	

Total = 11

SSC – HT    Certain 2006 GRAND VITARA 4WD Rear Differential Bearing Retainer Replacement
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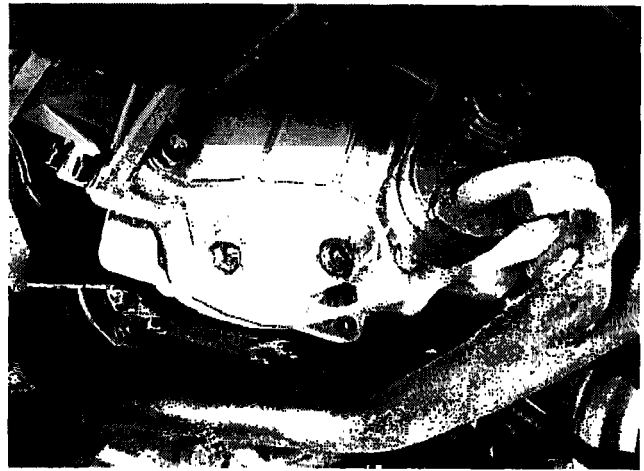


[ Attachment C]

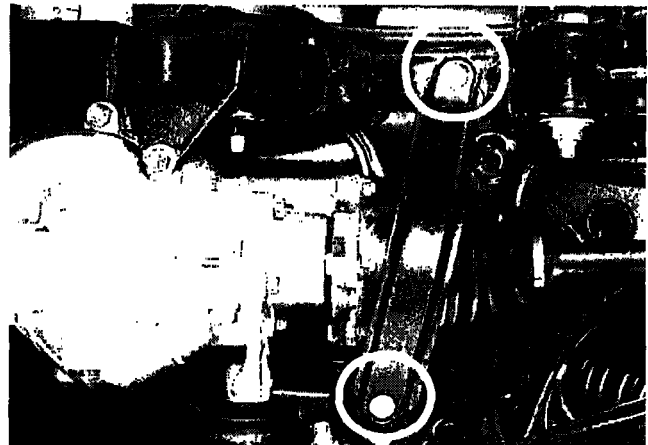
**TECHNICAL INSTRUCTIONS**  
**FOR**  
**RECALL CAMPAIGN No. HT**  
**CERTAIN 2006 MODEL YEAR GRAND VITARA 4WD**  
**REAR DIFFERENTIAL BEARING RETAINER REPLACEMENT**

## Replacement instructions

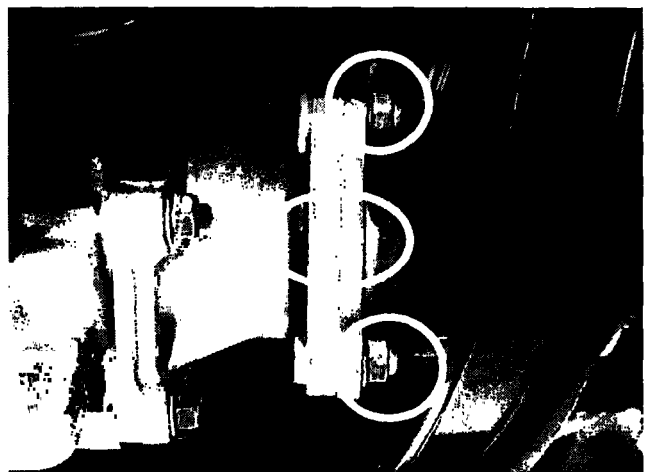
1. With the vehicle securely raised on a lift, drain the rear differential fluid. Use a 3/8" ratchet.



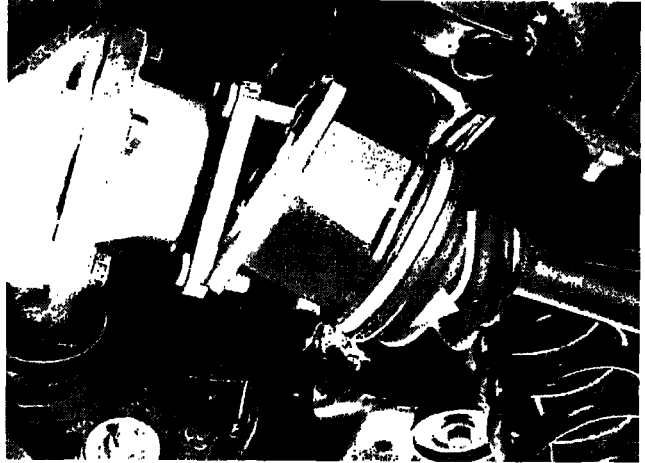
2. Remove the left side frame stiffener 14mm bolts and remove the stiffener.



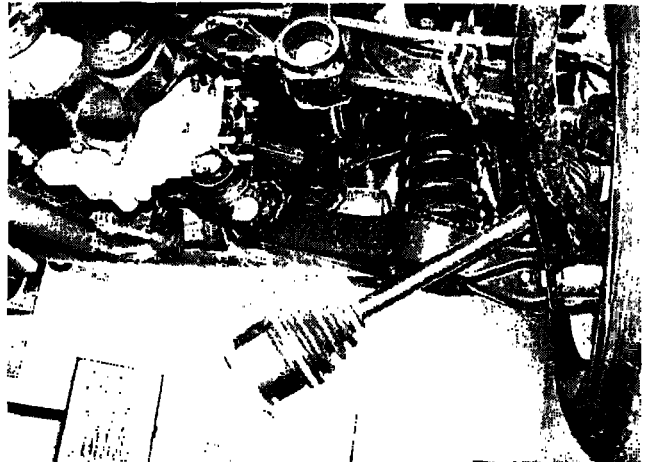
3. Mark the CV joint to flange mounting position. Remove the CV joint mounting nuts. Four nuts on the automatic transmission models, six nuts on the manual transmission models.



4. Remove the CV joint from the differential flange by pushing the joint away from the flange and twisting enough to disengage the studs. Then slide to joint down and away from the flange.



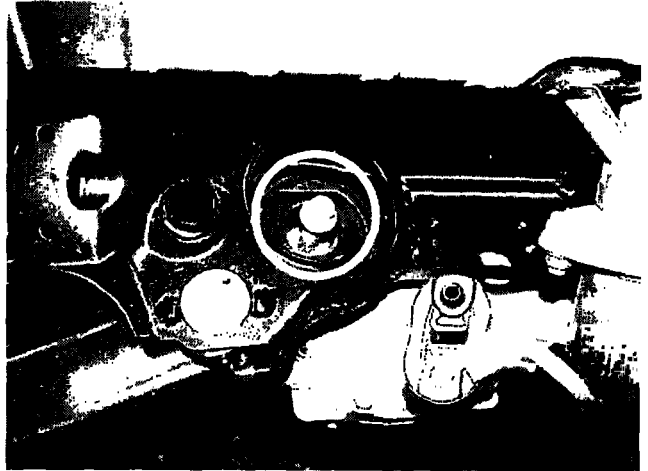
5. Allow the CV axle to hang as shown.



6. Slip a pry bar carefully between the flange and the retainer and slowly pry the flange out. You will feel the clip disengage then the you feel the bearing disengage. Pry a little at a time on each side of the flange by switching the pry from one side to the other.



7. Remove the left rear differential mounting bolt and discard. The bolt is held in by thread lock compound it may be difficult to turn.



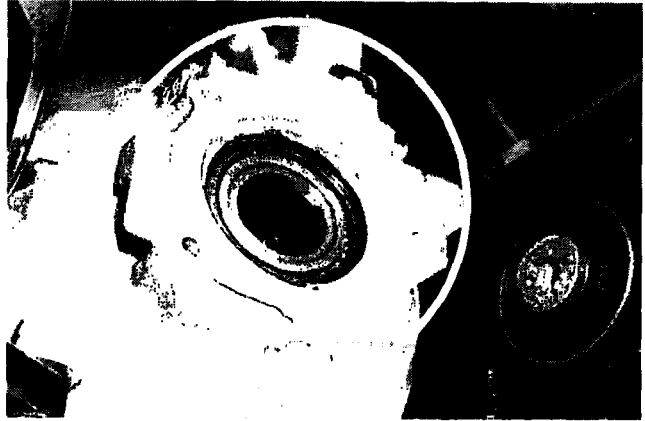
8. Remove the five Bearing Retainer mounting bolts.



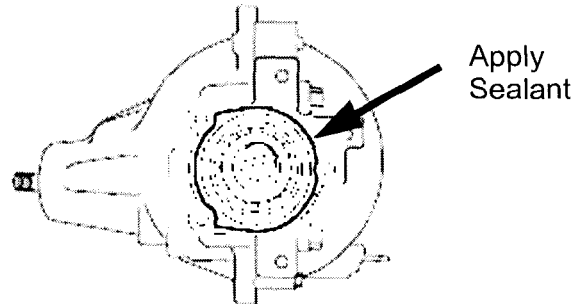
9. Use a pry bar in the indicated location to pry the Bearing Retainer away from the differential housing. The Bearing Retainer will pivot on the left rear differential mount.



10. Carefully clean the old silicone sealant off of the mounting area.

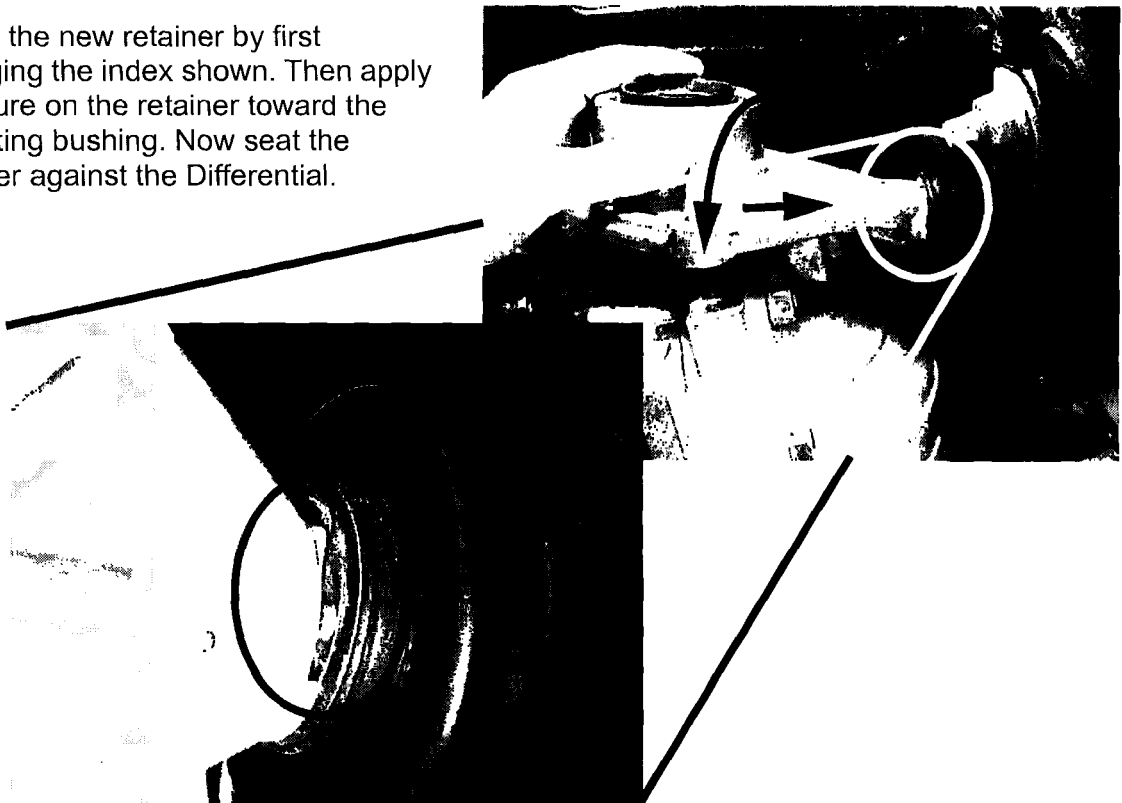


11. Apply a 1/16th inch bead of Sealant 99000-31260 (SUZUKI Bond No.1217G) or equivalent RTV type sealant in the area indicated.

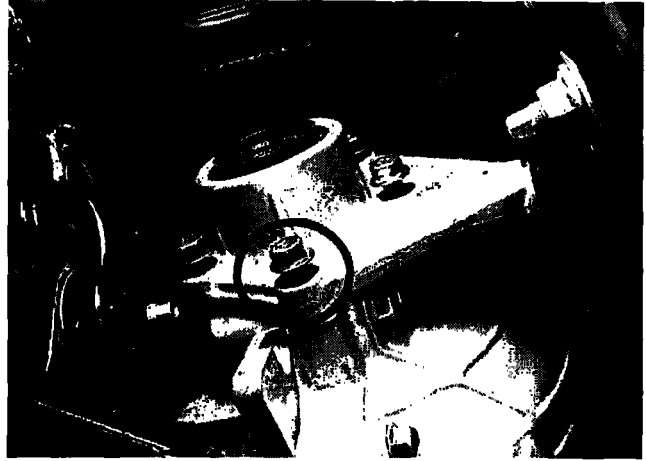


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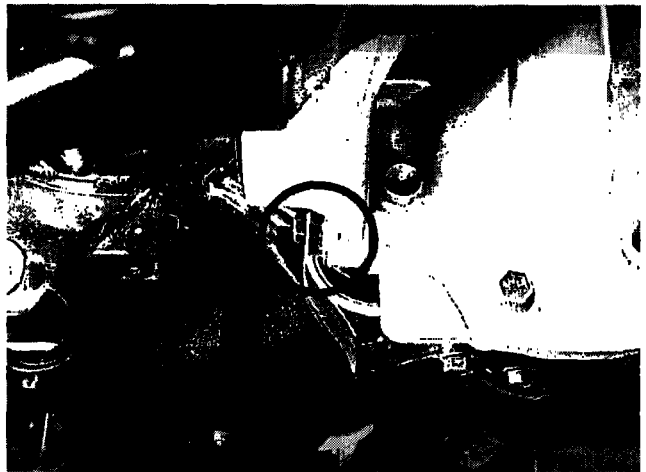
12. Install the new retainer by first engaging the index shown. Then apply pressure on the retainer toward the mounting bushing. Now seat the retainer against the Differential.



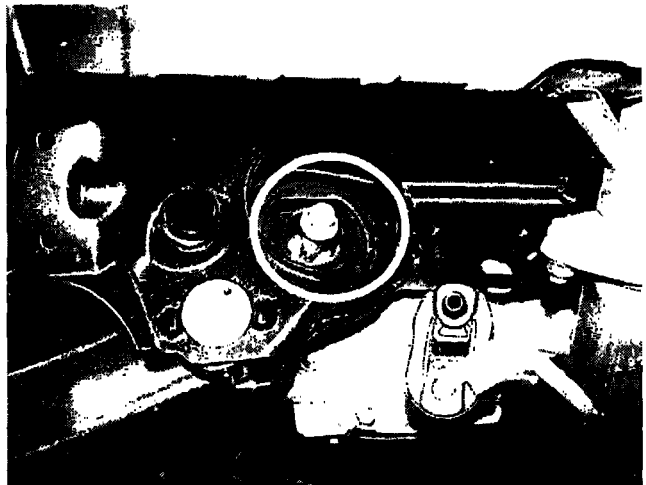
13. Thread in the mounting bolts but do not tighten them down.



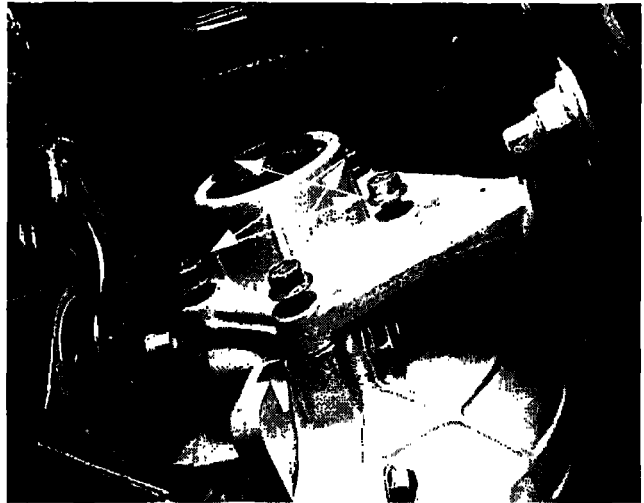
14. Hand tighten the lower mounting bolt until it seats.



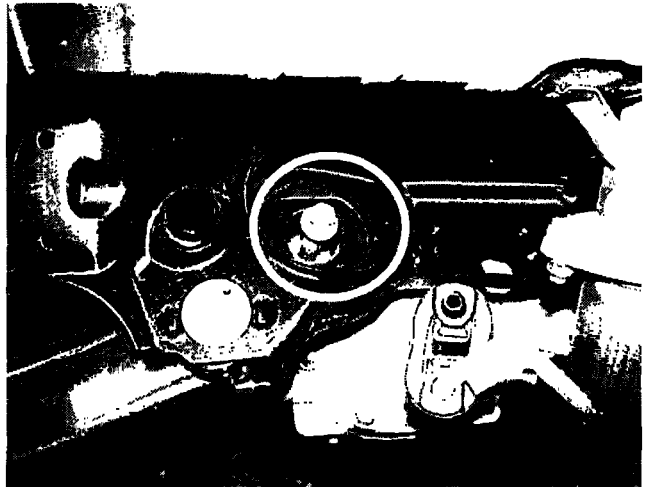
15. Align and install the new Differential Mounting bolt, included in the parts set, into the left rear mount. Do not tighten until step 17.



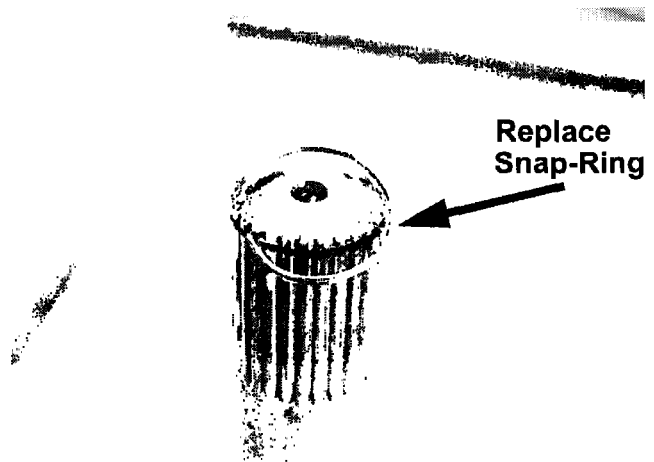
16. Torque down the Bearing Retainer bolts in a star pattern to 50 Nm (37 lb-ft).



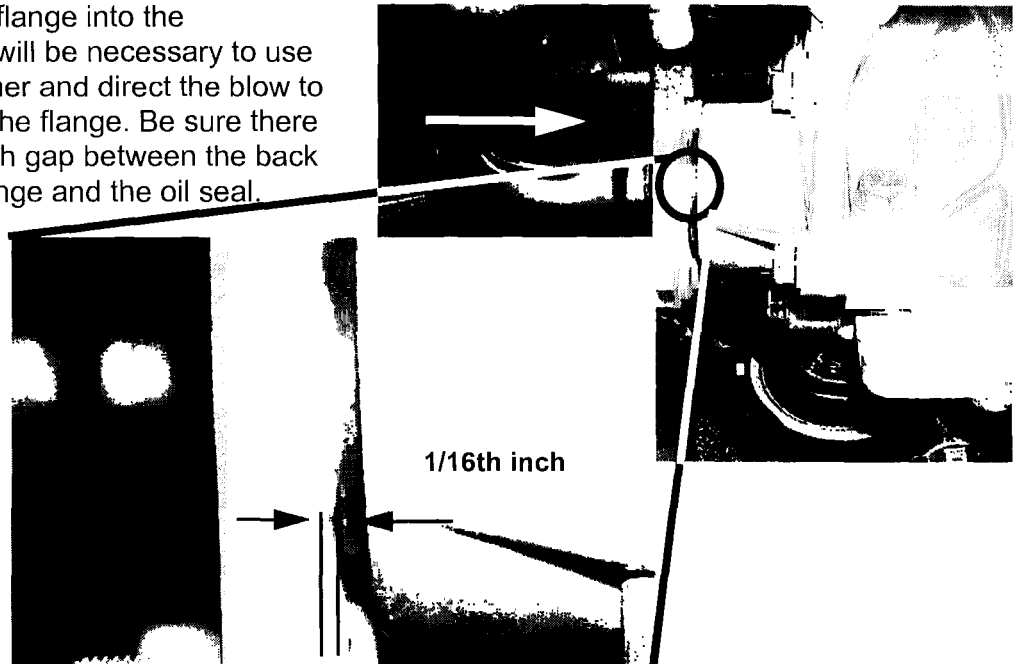
17. Now torque the left rear differential mounting bolt to 120 Nm (88 lb-ft).



18. Replace the Snap Ring on the flange with the new snap ring included in the parts set.



19. Re-install the flange into the differential. It will be necessary to use a brass hammer and direct the blow to the center of the flange. Be sure there is a 1/16th inch gap between the back side of the flange and the oil seal.



20. Re-install the left inner CV Joint to the flange. Line up the marks made previously and push the joint towards the left wheel and twist to align the joint as shown.

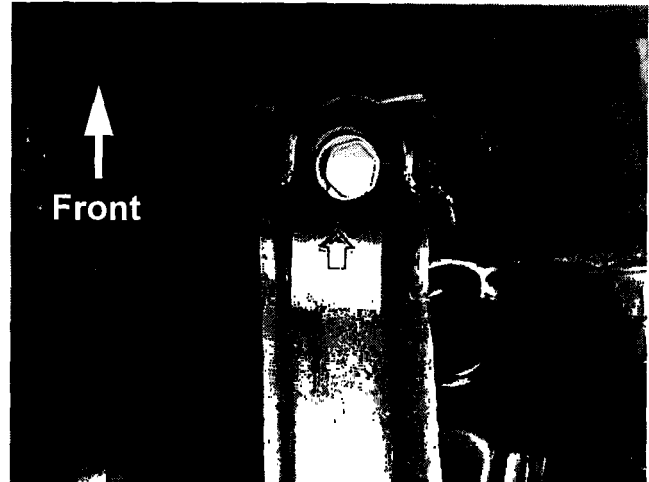


21. Now twist the joint again to align the holes with the studs. Install and torque the four or six nuts in a star pattern to 80 Nm (59 lb-ft).

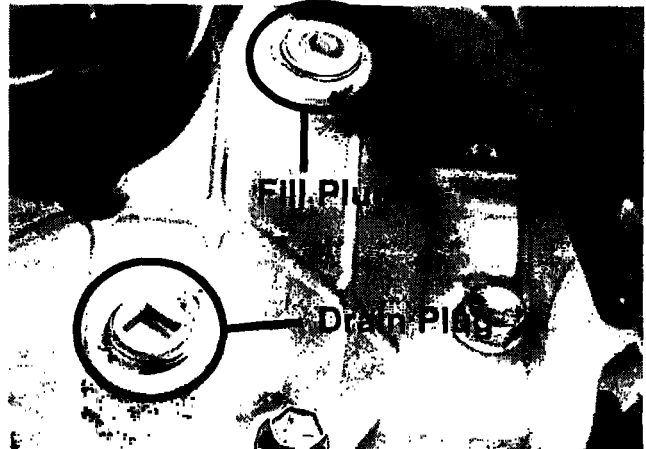




22. Re-install the frame stiffener with the arrow pointing toward the front of the vehicle. Torque the bolts to 50 Nm (37 lb-ft).

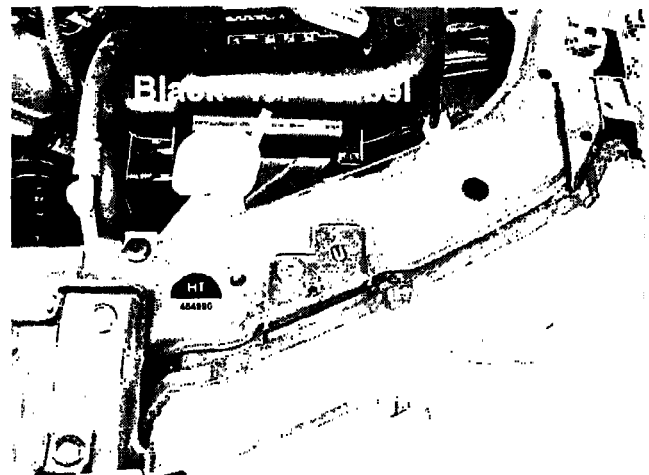


23. Apply Sealant 99000-31260 (Suzuki Bond No. 1217G) or equivalent RTV type sealant to the thread of the drain plug. Install and torque the drain plug to 23 Nm (17 lb-ft).



24. Refill the differential through the fill plug hole with API GL-5 80W-90 gear oil until oil drips out, approximately 2 pints. Apply Sealant 99000-31260 (Suzuki Bond No. 1217G) or equivalent RTV type sealant to the thread of the fill plug. Torque the fill plug to 23 Nm (17 lb-ft).

25. Enter your dealer number on the "HT" sticker and affix it to the radiator core support as shown.





# Technical Bulletin

Division: Automotive  
Category: Technical

Section Title: Driveline/Axle/Differential  
TSB No. TS 05 12065

**SUBJECT:** RECALL CAMPAIGN "HT" DIFFERENTIAL BEARING RETAINER REPLACEMENT  
**MODEL(S):** GRAND VITARA  
**YEAR:** 2006  
**AFFECTED VIN(S):** SEE SELLING DEALER AND AFFECTED VEHICLE VIN LIST ON PAGE 10

**CONDITION:** A crack may be present on the left side bearing retainer of the rear differential assembly.

**CAUSE:** Manufacturing defect.

**CORRECTION:** Please replace the left rear bearing retainer housing according to the attached instructions on vehicles with VIN numbers from the attached VIN list. Use the attached instructions for replacement.

**WARRANTY:** Please refer to the Campaign Bulletin SC-31 for claim submission instructions and labor times.

### PART(S) INFORMATION:

Part Numbers	Description	QTY	Notes
27600-66810	Retainer Set, Rear Drive Shaft, Left	1	<b>This part number comes as a set including one snap ring (09381-27002) and two differential mounting bolts (27692-66J00) One "HT" radiator core support sticker is also included.</b>
99000-31260	Suzuki Bond No. 1217G	1	<b>Please refer to Warranty Bulletin SW-01 Expendable Fluids, lubricants, and sealers.</b>

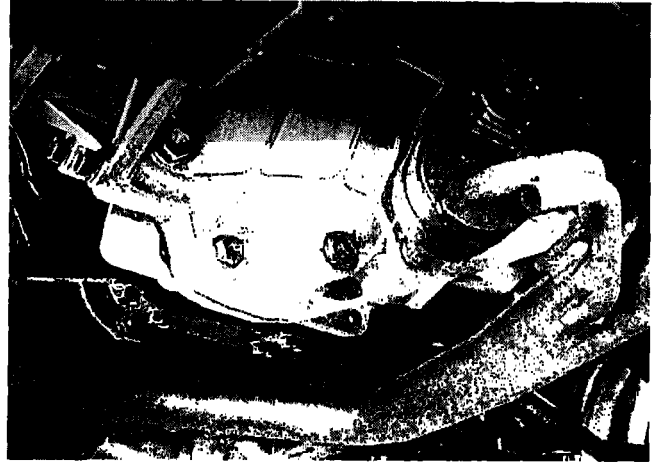
Technical Service Department  
Dealership Circulation - Initial and file:

Service Manager	Parts Manager	Service Advisor	Technicians			

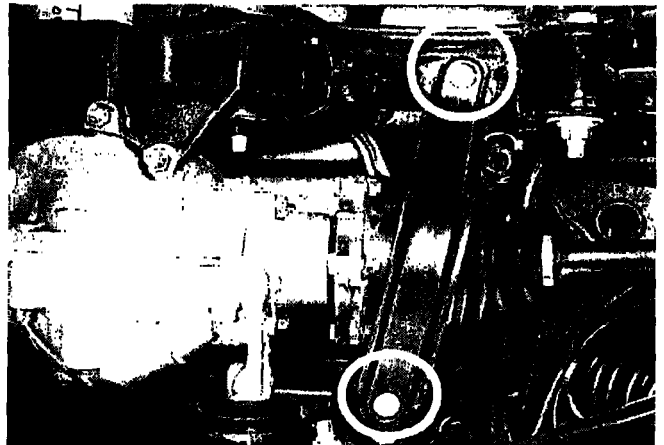
Suzuki bulletins are intended for use by professional technicians, NOT a "do-it-yourselfer." They are written to inform these technicians of conditions that may occur on some vehicles, or to provide information that could assist in the proper service of a vehicle. Properly trained technicians have the 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.

## Replacement instructions

1. With the vehicle securely raised on a lift, drain the rear differential fluid. Use a 3/8" ratchet to remove the drain plug.



2. Use a 14mm wrench to remove the left side frame stiffener bolts and stiffener.



3. Mark the C.V. joint to flange mounting position. Remove the C.V. joint mounting nuts.

**NOTE:**

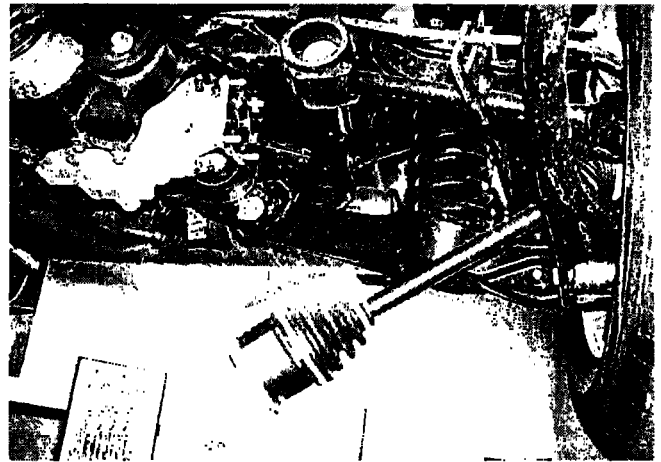
**There are four flange nuts on the automatic transmission models and six nuts on the manual transmission models.**



4. Remove the C.V. joint from the differential flange by pushing the joint away from the flange and twisting enough to disengage the studs. Then slide the joint down and away from the flange.



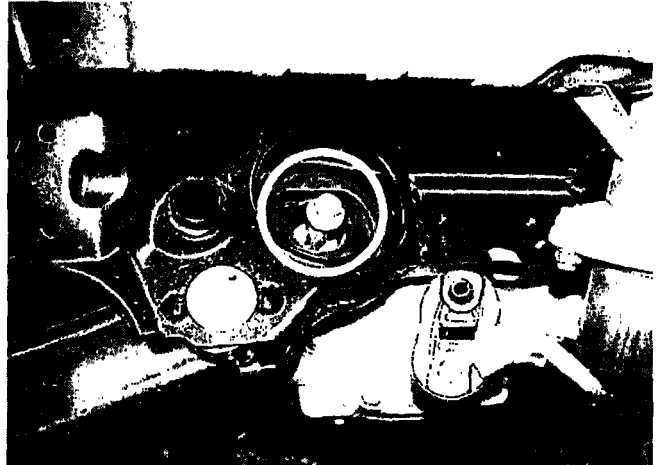
5. Allow the C.V. axle to hang as shown.



6. Slip a pry bar carefully between the flange and the retainer and slowly pry the flange out. You will feel the clip disengage then you will feel the bearing disengage. Pry a little at a time on each side of the flange by switching the pry bar from one side to the other.



7. Remove the left rear differential mounting bolt and discard. (The bolt is held in by thread lock compound and it may be difficult to turn.)



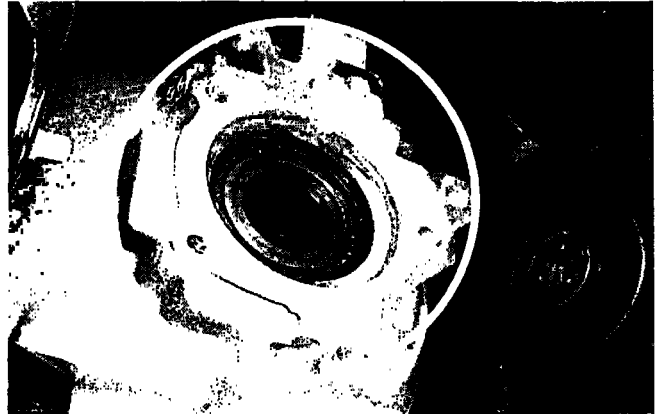
8. Remove the five bearing retainer mounting bolts.



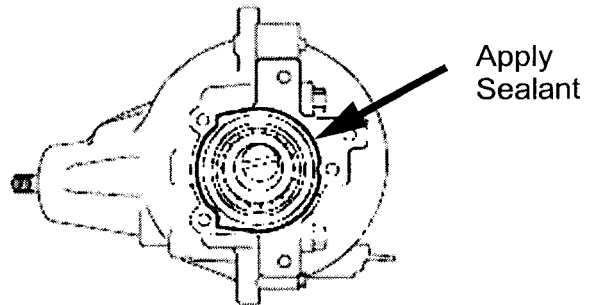
9. Use a pry bar in the indicated location to pry the bearing retainer away from the differential housing. The bearing retainer will pivot on the left rear differential mount.



- 10. Carefully clean the old silicone sealant off of the mounting area.

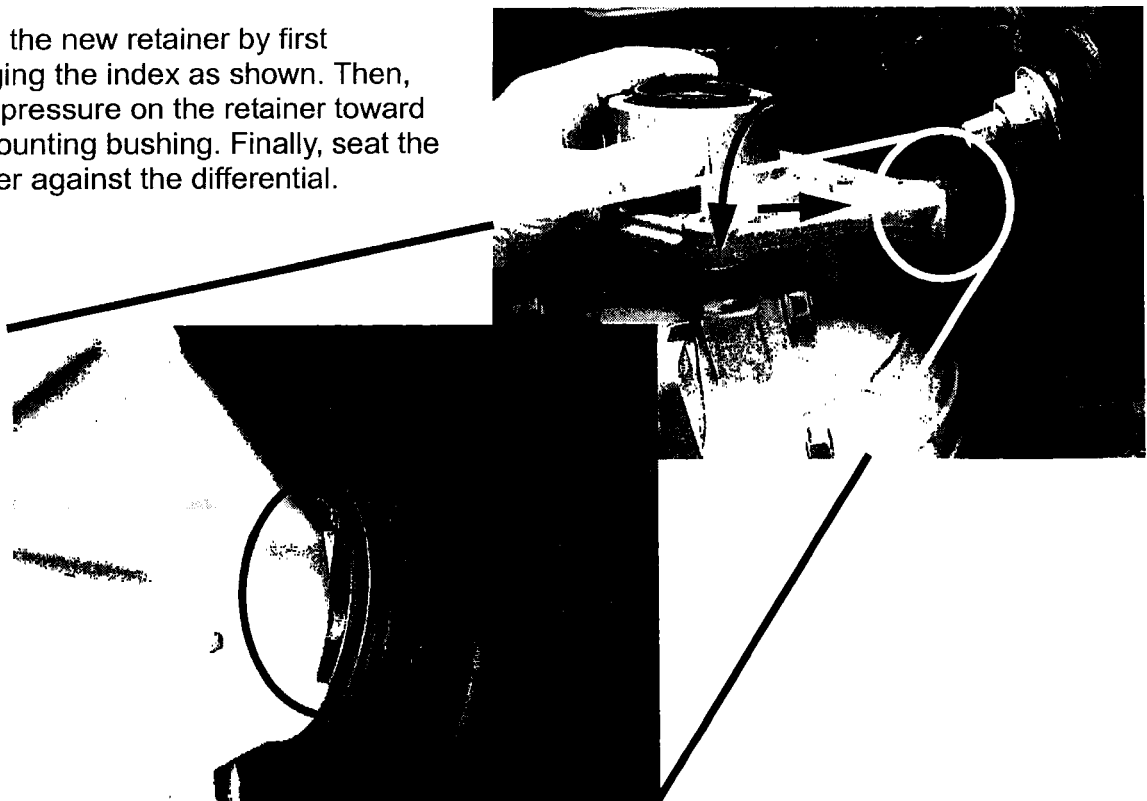


- 11. Apply a 1/16th inch bead of sealant 99000-31260 (SUZUKI Bond No.1217G) or equivalent RTV type sealant in the area indicated.

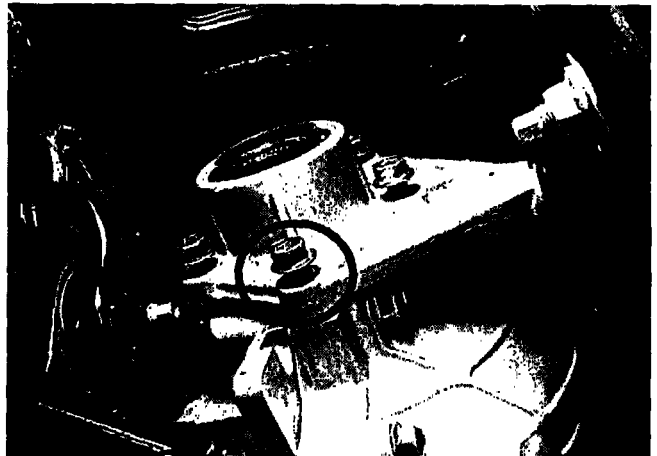


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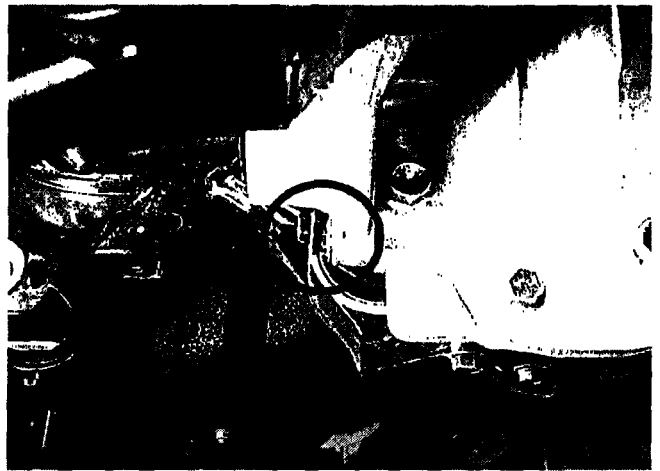
- 12. Install the new retainer by first engaging the index as shown. Then, apply pressure on the retainer toward the mounting bushing. Finally, seat the retainer against the differential.



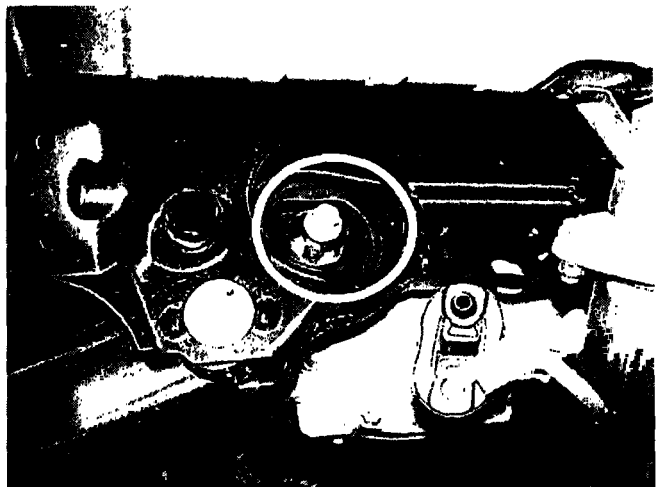
13. Thread in the mounting bolts but do not tighten them down.



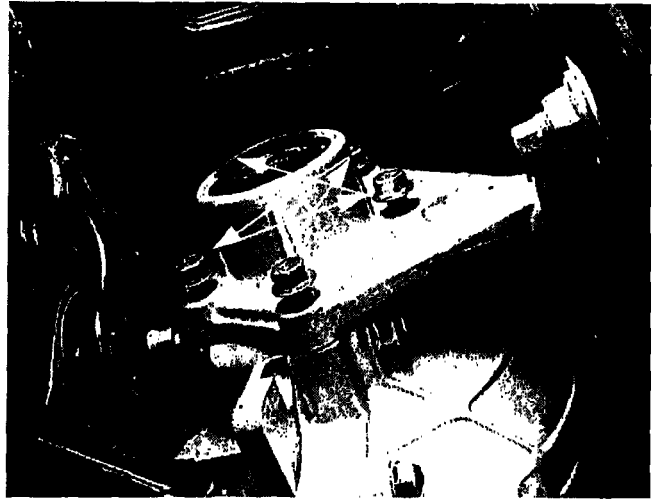
14. Hand tighten the lower mounting bolt until it seats.



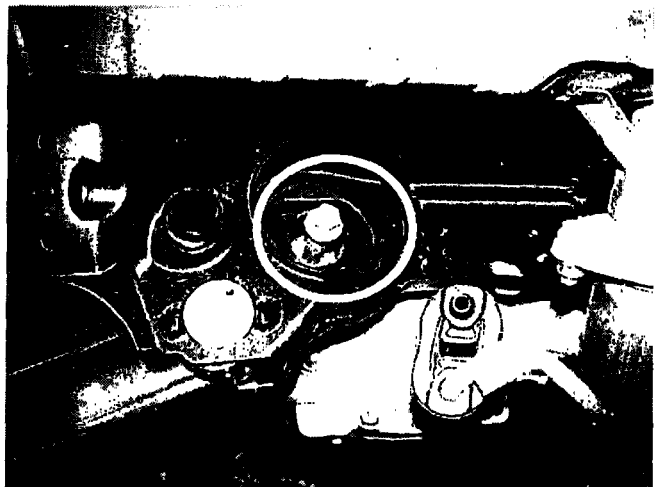
15. Align and install the new differential mounting bolt, included in the parts set, into the left rear mount. Do not tighten until step 17.



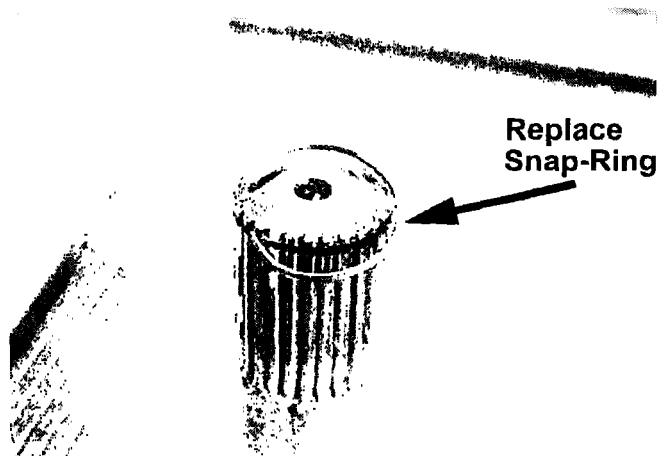
16. Torque down the bearing retainer bolts in a star pattern to 50 Nm (37 lb-ft).



17. Now torque the left rear differential mounting bolt to 120 Nm (88 lb-ft).

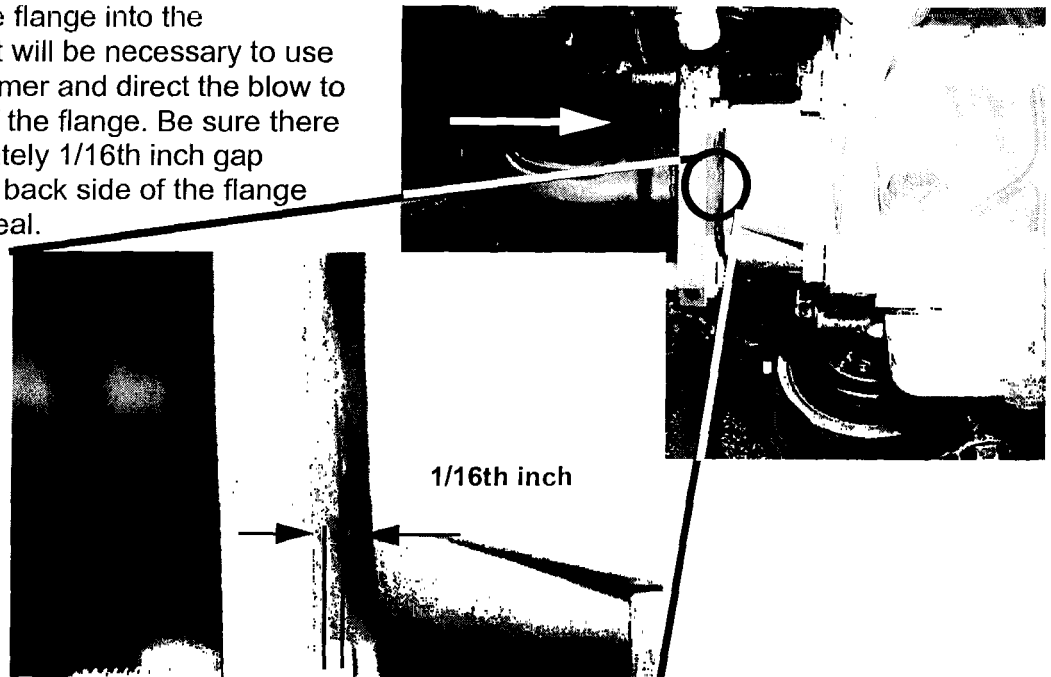


18. Replace the snap ring on the flange with the new snap ring included in the parts set.





19. Re-install the flange into the differential. It will be necessary to use a brass hammer and direct the blow to the center of the flange. Be sure there is approximately 1/16th inch gap between the back side of the flange and the oil seal.



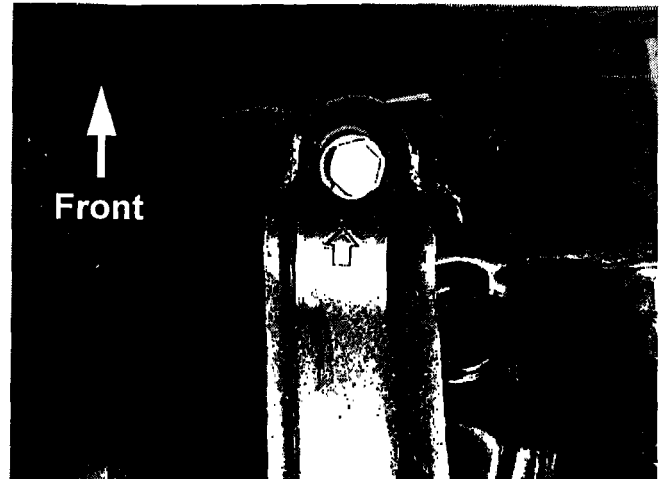
20. Re-install the left inner C.V. joint to the flange. Line up the marks made in step 3 and push the joint towards the left wheel and twist to align the joint as shown.



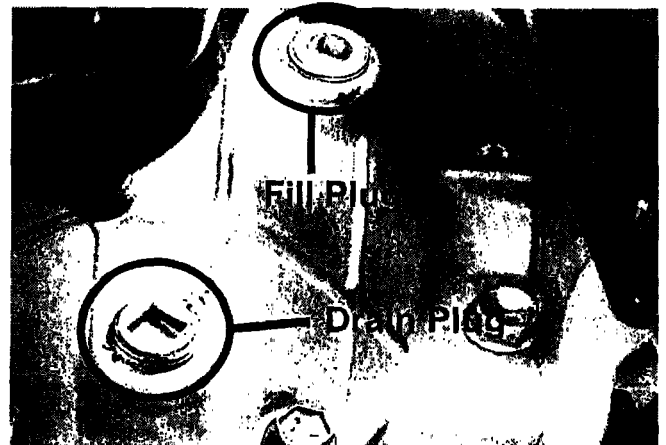
21. Now twist the joint again to align the holes with the studs. Install and torque the four (or six) nuts in a star pattern to 80 Nm (59 lb-ft).



22. Re-install the frame stiffener with the arrow pointing toward the front of the vehicle. Torque the bolts to 50 Nm (37 lb-ft).

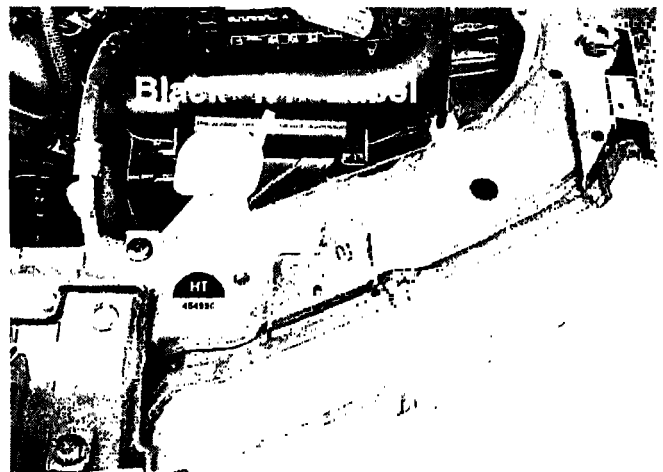


23. Apply sealant 99000-31260 (Suzuki Bond No. 1217G) or equivalent RTV type sealant to the thread of the drain plug. Install and torque the drain plug to 23 Nm (17 lb-ft).



24. Refill the differential through the fill plug hole with API GL-5 80W-90 gear oil until oil drips out, approximately 2 pints. Apply sealant 99000-31260 (Suzuki Bond No. 1217G) or equivalent RTV type sealant to the thread of the fill plug. Torque the fill plug to 23 Nm (17 lb-ft).

25. Enter your dealer number on the "HT" sticker and affix it to the radiator core support as shown.



## Selling Dealer and Affected Vehicle VIN List

	VIN	DLR#		VIN	DLR#	
	JS3TD941564101241	437557		JS3TD947664101415	424242	
	JS3TD941864101296	416177		JS3TD947164101418	416142	
	JS3TD947364101307	406252		JS3TD947X64101420	412058	
	JS3TD947564101311	437522		JS3TD947564101423	422185	
	JS3TD941464101330	412058		JS3TD947964101425	443131	
	JS3TD941564101336	416177		JS3TD947064101426	422142	
	JS3TD941764101337	436259		JS3TD943664101962	412511	
	JS3TD941064101342	416177		JS3TD943764102019	426032	
	JS3TD941164101348	436275		JS3TD943X64102080	433039	
	JS3TD941364101349	412058		JS3TD943564102083	412511	
	JS3TD941364101352	412546		JS3TD943664102089	415162	
	JS3TD941964101355	413291		JS3TD943864102093	426032	
	JS3TD941264101360	436275		JS3TD943X64102094	426032	
	JS3TD947664101365	412430		JS3TD943364102096	412511	
	JS3TD941764101385	412058		JS3TD943564102097	443166	
	JS3TD947164101385	446386		JS3TD943964102099	424242	
	JS3TD941964101386	416177		JS3TD943164102100	424242	
	JS3TD947364101386	443166		JS3TD943764102103	412511	
	JS3TD947964101389	405264		JS3TD943964102104	412511	
	JS3TD947564101390	443166		JS3TD943064102105	412570	
	JS3TD947964101392	412546		JS3TD943264102106	443182	
	JS3TD947064101393	415146		JS3TD943664102108	412511	
	JS3TD947264101394	405264		JS3TD943864102109	448281	
	JS3TD947464101395	422185		JS3TD943664102111	424242	
	JS3TD947664101396	443131		JS3TD943864102112	414026	
	JS3TD947X64101398	421367		JS3TD943X64102113	443166	
	JS3TD947164101399	421022		JS3TD943164102114	440027	
	JS3TD941X64101400	436275		JS3TD943364102115	424218	
	JS3TD947464101400	446343		JS3TD943564102116	412511	
	JS3TD947X64101403	421278		JS3TD943964102118	414026	
	JS3TD947364101405	405264		JS3TD943064102119	412058	
	JS3TD947564101406	446157		JS3TD943764102120	412511	
	JS3TD947964101408	412511		JS3TD943264102123	412058	
	JS3TD947764101410	443131		JS3TD943664102125	443182	
	JS3TD947964101411	424218		JS3TD943X64102127	416177	
	JS3TD947064101412	416142		JS3TD943X64102130	443166	
	JS3TD947264101413	412058		JS3TD943764102134	424137	
	JS3TD947464101414	426067		JS3TD943964102135	416177	

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# Service Bulletin

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NUMBER: SC-31

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SUBJECT: SAFETY CAMPAIGN NOTICE No. HT  
Rear Differential Bearing Retainer

MODEL: Certain 2006 Grand Vitara 4WD

Suzuki Motor Corporation has decided that a defect, which relates to motor vehicle safety, exists in certain 2006 Suzuki Grand Vitara 4 wheel drive vehicles.

Affected vehicles may have a crack on the left side of the rear differential bearing retainer. This condition may cause the vehicle to have gear seizure if the rear differential gear lubricant leaks from the crack and could result in the vehicle stopping in traffic.

ASMC is requesting that Suzuki dealers replace the rear differential bearing retainer on affected vehicles without cost to the customer.

## 1. Affected Vehicles

Only specific vehicle identification numbers (VIN) on **ATTACHMENT A**.

## 2. Owner Notification

As of this date, very few vehicles have been retailed. ASMC will notify the retail owners of this Important Safety Recall by telephone on or around 12/15/05.

## 3. Dealer Safety Recall Campaign Responsibility

Dealers are to perform this Safety Recall on all affected vehicles upon customer request regardless of vehicle age, mileage or date of visit.

All affected in-dealer stock inventory, if any, subject to this Safety Recall Campaign must be completed prior to the retail sale or lease of the affected vehicle. It is a violation of Federal law for a dealer to deliver a new motor vehicle until the defect or noncompliance is remedied.

If an affected vehicle is currently in your Service Department or is brought in for other service, use this opportunity to perform this safety recall and notify the customer of the campaign completion.

ISSUED: 12/06/05

**8. Notes**

- A) Only SCAT claims will be accepted for this Important Safety Recall.
- B) Only one variation code per vehicle will be allowed. Please submit with the correct variation code.
- C) Courtesy Vehicle Replacement Program does not apply same day recall repairs.

**9. Time and Mileage Limits**

Applicable time and mileage limits do not apply.

**10. Warranty Parts Retention**

Parts for the standard campaign do not have to be retained for the normal retention period. If the repair requires parts above and beyond the scope of the campaign Variation Code JK, those parts must be retained by the dealer for the normal parts retention period which is 60 days from the paid creditmemo.

Please inform all Service, Parts and Warranty personnel accordingly.

If you have questions, please contact your Suzuki District Service and Parts Manager or the Warranty Assistance Helpline at (800) 568-9968.

AMERICAN SUZUKI MOTOR CORPORATION  
Automotive Service Division

ATTACHMENT:A) Affected Vehicle VIN List