

# Technical Bulletin

Division: Automotive  
 Category: Technical

Section Title: Brake System  
 TSB No. TS 09 12090

**SUBJECT:** CHANGE IN ESP ACTUATOR ASSEMBLY.  
**MODEL(S):** GRAND VITARA (JB632, JB424)  
**YEAR:** 2010~2011

**CONDITION:** The “ESP” warning light comes on after vehicle is started.

**CAUSE:** When starting the vehicle if the battery is not fully charged, the battery voltage may drop to a level that the ESP unit judges to be below specification. The ESP judging program is not optimal.

**CORRECTION:** The program to judge the power source voltage of the ESP unit has been changed. Please replace the ESP Actuator Assembly with a countermeasure part only,

### VIN BREAKS

JB424, 2WD, MT	JS3TE0D1_A4110031~ JS3TE0D1_B4100001~
JB424, 2WD, AT	JS3TE0D2_A4110493~ JS3TE0D4_A4110478~ JS3TE04V_A4610106~ JS3TE0D7_B4100001~
JB424, 4WD, AT, S Mode	JS3TD0D2_A4110298~
JB424, 4WD, AT, 4 Mode	JS3TD0D7_A4110198~

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.

<b>Model: Grand Vitara</b>	<b>Section: Brake System</b>	<b>TSB No. TS 09 12090</b>
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### VIN BREAKS (cont.)

JB632, 2WD, AT	JS3TE1D9_A4110291~
JB632 with Hill Hold	JS3TD1D9_A4110369~ JS3TD1D8_A4110122~

Production countermeasure effective April 16, 2010

### PART(S) INFORMATION:

Part Number		Description	Qty	Interchangeability (O: YES, X: NO)	Notes
Early	Late				
56110-78KB0	56110-78KB1	Actuator Assy, ESP	1	EARLY $\begin{matrix} \leftarrow \text{X} \rightarrow \\ \leftarrow \text{O} \rightarrow \end{matrix}$ LATE	JB424: 2WD: MT
56110-78KC0	56110-78KC1		1		JB424: 2WD: AT
56110-78KM0	56110-78KM1		1		JB424: 4WD: AT: S MODE
56110-78KE0	56110-78KE1		1		JB424: 4WD: AT: 4 MODE
56110-78KG0	56110-78KG1		1		JB632W: 2WD
56110-79KB0	56110-79KB2		1		JB632W: 4WD

### WARRANTY INFORMATION

Labor Operation	Description	Failed Part Number	Complaint Code	Defect Code	Labor Time
MD09R0	ESP Actuator Assembly	TBD**	36	36	1.1 hrs

\*\* Use the part number of the ESP Actuator being replaced.

### SERVICE ACTION

In the event that you encounter a vehicle that is experiencing the condition described in this bulletin:

- Confirm that the vehicle falls within the VIN breaks listed.
- Confirm that it has not already had a "Late" part number installed.

If both of the conditions are met, following the instructions "**ABS (ESP®) Hydraulic Unit / Control Module Assembly Removal and Installation**" found in the online service manual, please replace the ESP Actuator Assembly with the updated (Late) part number for the applicable model.

If either of the conditions above are **NOT** met, refer to the DTC retrieved and follow the applicable service manual section to diagnose and repair the concern.