

Technical Bulletin

Division: Automotive
 Category: Technical

TSB No. TS 4-22 05106
 Section Title:

SUBJECT: MODIFICATION OF FUEL GAUGE UNIT
MODEL: SIDEKICK, SIDEKICK SPORT, X-90
YEAR: MARCH 1996 PRODUCTION AND LATER

CONDITION: Modification of fuel gauge unit.

CAUSE: To improve the accuracy of the fuel level gauge.

CORRECTION: When diagnosing the fuel level gauge system, please use the information included in this bulletin.

This bulletin is to inform you of the modification in the fuel gauge which has been carried out since March 1996 production. The reason for this modification was to standardize the internal circuitry of the fuel gauge units in order to prevent inaccurate fuel level indication. As a result of this modification, the resistance values for the fuel level gauges and the color of their connecting couplers have changed. Please note these changes in Section 8 in the service manual entitled, "FUEL METER/FUEL GAUGE UNIT." A list of the applicable service manuals is listed below.

The early and late units are interchangeable and their respective part numbers have not changed. Both units can be identified by their electrical connectors as shown on the following page.

AFFECTED SERVICE MANUALS

Service Manual	Part Number
89 Sidekick Service Manual	99500-60A01-33E
90 Sidekick Service Manual	99500-60A11-33E
91/92 Sidekick Service Manual	99500-60A30-33E
93 Sidekick Service Manual	99500-60A40-33E
96 Sidekick/X-90 Service Manual	99500-60A50-33E

Technical Service Department
 Dealership Circulation - Initial and File:

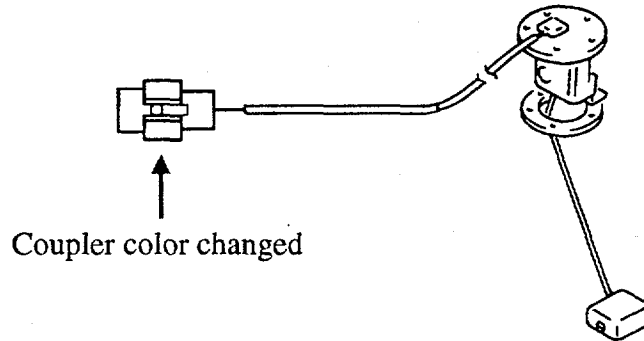
Service Manager	Parts Manager	Service Advisor	Technicians											

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.

SERVICE INFORMATION

To locate the proper resistance values for your vehicle, do the following:

- 1) Identify the part number of the vehicle's fuel level gauge in the parts book or parts microfiche.
- 2) Visually inspect the vehicle's fuel level gauge's connecting coupler and match the part number with the color of the electrical coupler.
- 3) Use the resistance values listed in the chart below to troubleshoot the fuel level system. Be sure to enter all corrections in your service manual.



Position	Resistance
E	$120 \pm 7 \Omega$
F	$3 \pm 2 \Omega$
1/2	$32.5 \pm 4 \Omega$

Changed as shown below

Part Number	Item	Early	Late
34810-70E10	Color of Coupler	Natural	Yellow
	Float Position	E	$120 \pm 2.5 \Omega$
		F	$3 \pm 1.5 \Omega$
		1/2	$32.5 \pm 2.5 \Omega$
34810-70E20	Color of Coupler	Black	Blue
	Float Position	E	$120 \pm 2.5 \Omega$
		F	$3 \pm 1.5 \Omega$
		1/2	$32.5 \pm 2.5 \Omega$
34810-77E10	Color of Coupler	Natural	Gray
	Float Position	E	$120 \pm 2.5 \Omega$
		F	$3 \pm 1.5 \Omega$
		1/2	$32.5 \pm 2.5 \Omega$

INTERCHANGEABILITY

EARLY \longleftrightarrow LATE