



Technical Service BULLETIN

August 1, 2005

Title:

FUEL GAUGE INACCURACY

Models:

'05 4Runner (2UZ-FE, V8)

ENGINE
EG033-05

Introduction Some 2005 model year 2UZ-FE (V8) 4Runner vehicles may exhibit a condition where the fuel gauge does not display the correct fuel level. This condition may be caused by high alcohol content in the fuel swelling the suction tube and reducing movement of the fuel gauge sending unit float arm. The fuel pump assembly has been improved to correct this condition.

- Applicable Vehicles**
- **2005** model year **4Runner** vehicles equipped with **2UZ-FE (V8) engine** produced **BEFORE** the Production Change Effective VINs shown below.

Production Change Information

MODEL	PLANT	PRODUCTION CHANGE EFFECTIVE VIN
4Runner	Tahara	JTEZT##R#5 <u>0</u> 023099
		JTEBT##R#5 <u>0</u> 054578
	Hino	JTEZT##R#5 <u>8</u> 007480
		JTEBT##R#5 <u>8</u> 026310

* Underlined number in VIN (11th digit) represents the assembly plant line code.

Parts Information

PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
77020-35101	77020-35102	Fuel Suction w/Pump and Gauge Tube Assembly	1
77144-35010	Same	Fuel Pump Gauge Retainer	1
77169-35010	Same	Fuel Suction Tube Set Gasket	1

Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
234021	R & R Fuel Pump Assembly	1.3	77020-35101	01	13

Applicable Warranty*:

This repair is covered under the Toyota Powertrain Warranty. This warranty is in effect for 60 months or 60,000 miles, whichever occurs first, from the vehicle's in-service date.

* Warranty application is limited to correction of a problem based upon a customer's specific complaint.



**Required
Tools &
Material**

TOOLS & MATERIAL	QUANTITY
Standard Metric Socket Set and Hand Tools	As Needed

**Required
SSTs**

ITEM NO.	SPECIAL SERVICE TOOLS (SSTs)	PART NUMBER	QTY	DRW**
1	Fuel Sender Lock Nut Wrench* 	09808-14020	1	4

* Essential SSTs.

** Refers to drawer number in SST Storage System.

NOTE:

Additional SSTs may be ordered by calling SPX/OTC at 1-800-933-8335.

**Repair
Procedure**

- Remove the fuel suction with pump and gauge tube assembly.
 - Refer to the Technical Information System (TIS), 2005 model year 4Runner Repair Manual: *Fuel/Fuel Tank Assy (2UZ-FE)/Removal & Installation And Disassembly & Reassembly*.
- If there is obstruction to the fuel gauge sending unit float arm, then replace the fuel suction with pump and gauge tube assembly. If no obstruction is found, proceed to step 4.
- After replacement, confirm proper vehicle operation.
- If the vehicle continues to exhibit fuel gauge inaccuracy, then:
 - Refer to TIS, 2005 model year 4Runner Repair Manual: *Instrument Panel/meter/Combination Meter/On-Vehicle Inspection*.

NOTE:

The fuel pump gauge retainer and fuel suction tube set gasket must be replaced with the fuel suction with pump and gauge tube assembly.