

Instruments - Erratic Fuel Gauge Readings

TSB 08-4-17

03/03/08

ERRATIC FUEL GAUGE

FORD:

2005-2006 Mustang

This article supersedes TSB 06-10-13 to update the Service Procedure.

ISSUE

Some 2005-2006 Mustang vehicles may have an erratic fuel gauge concern (does not read Full or reads Empty when tank is full). This may be caused by poor electrical connections at the fuel sender, at the in line harness connector, and/or faulty fuel sender card.

ACTION

Follow the Service Procedure steps to correct the condition.

SERVICE PROCEDURE

NOTE BE SURE TO CHECK FOR DTCs IN ALL OTHER MODULES.

NOTE AFTER A FUEL FILL UP, THE TIME FOR THE FUEL GAUGE TO MOVE FROM EMPTY (E) TO FULL (F) RANGES FROM 2 SECONDS TO 55 MINUTES DEPENDING ON WHICH OPERATING MODE THE FUEL GAUGE IS IN. SEE WORKSHOP MANUAL (WSM), SECTION 413-01 FOR DETAILS.

1. Check for DTCs in all modules. Perform normal WSM, Section 413-01 diagnostics, for any fault codes retrieved. If normal diagnostics do not lead to concern resolution, then continue with this TSB.
2. If the diagnostics in WSM, Section 413-01 indicate that the fuel sender is at fault, then replace the appropriate [fuel level sensor](#) per WSM, Section 310-01.

PART NUMBER	PART NAME
7R3Z-9A299-C	Fuel Level Sensor Asy
7R3Z-9275-C	Fuel Level Sender And Pump Asy

OTHER APPLICABLE ARTICLES: 07-21-12

WARRANTY STATUS: Eligible Under Provisions Of New Vehicle Limited Warranty Coverage And Emissions Warranty Coverage

IMPORTANT : Warranty coverage limits/policies are not altered by a TSB. Warranty coverage limits are determined by the identified causal part.

OPERATION	DESCRIPTION	TIME
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080417A	2005-2006 Mustang: Replace The Fuel Level Sender, Includes Time To Release Fuel System Pressure, Remove Back Seat Bottom, Drain Fuel (Do Not Use With 9275A)	0.9 Hr.
MT080417	Use SLTS Operations If Available; Claim Additional Diagnosis Or Labor Performed As Actual Time	Actual Time

DEALER CODING

BASIC PART NO.	CONDITION
9A299	CODE 28

NOTE: The information in Technical Service Bulletins is intended for use by trained, professional technicians with the knowledge, tools, and equipment to do the job properly and safely. It informs these technicians of conditions that may occur on some vehicles, or provides information that could assist in proper vehicle service. The procedures should not be performed by "do-it-yourselfers". Do not assume that a condition described affects your car or truck. Contact a Ford, Lincoln, or Mercury dealership to determine whether the Bulletin applies to your vehicle.