1997 - 2000 Corvette: Service Bulletin: Inaccurate/Erratic Fuel Level Gauge Readings

Source: Chevrolet Dealer Service Bulletin
Number: 01-06-04-022
Subject: Inaccurate/Erratic Fuel Level Gauge Readings (Install New Sensor, Strainer and/or RH Fuel Sender Assembly)
Model Year: 1997-2000 Chevrolet Corvette

Condition

Some owners may comment about inaccurate/erratic fuel level gauge reading conditions such as those indicated below:

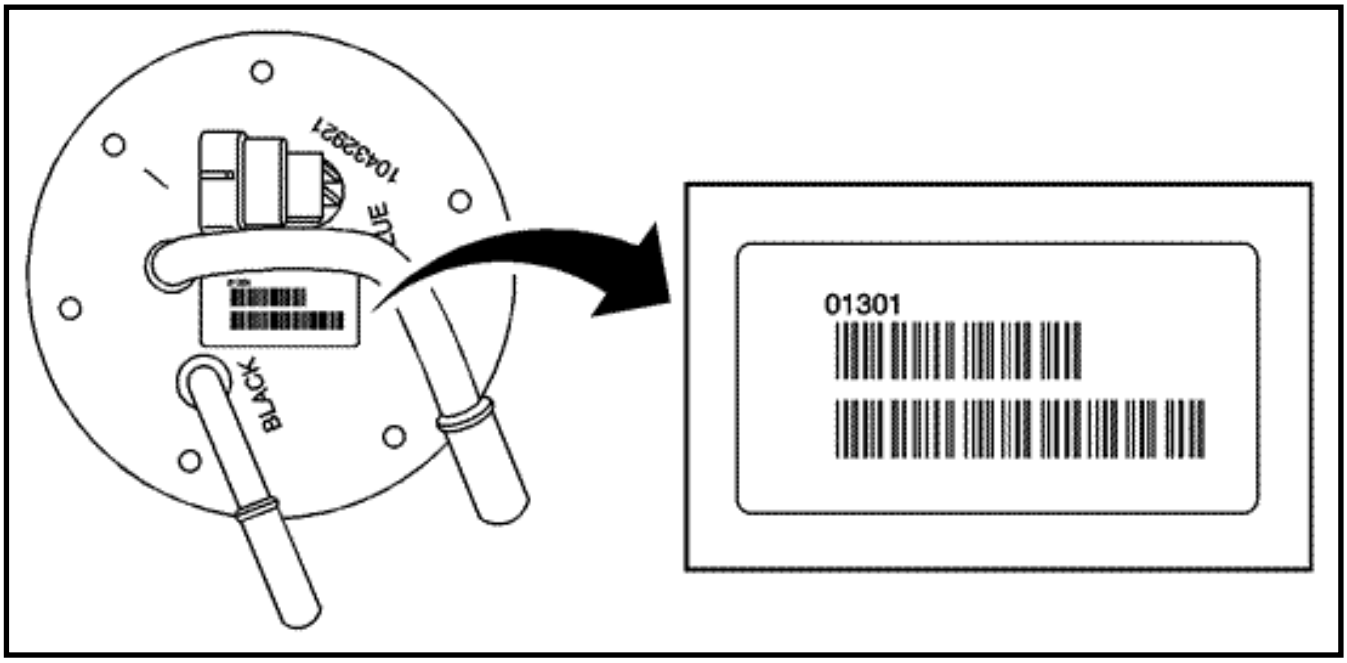
- Fuel gage suddenly drops to E (empty) and CHECK GAGES message illuminates (DTC P1431 or P0461 set).
- Fuel gage does not go to F (full) after filling fuel tank.
- Vehicle runs out of fuel while the gage still indicates fuel is available.

Cause

The conditions indicated above may be the result of one or a combination of more than one of the causes indicated below:

- Stuck or intermittent sticking of the sensor float arm.
- Clogged/restricted R.H. fuel sender assembly jet pump.
- R.H. jet pump unable to transfer fuel due to fuel vaporization resulting in bubble accumulation in the fuel strainer.

Correction



Inspect the Julian date codes located on the bar code labels attached to the R.H. and L.H. fuel level sender assembly cover plates as shown in the figure. If the R.H. sender date code is less/smaller than "01301", replace the complete assembly with a new fuel sender kit indicated below by model year. If the L.H. sender date code is less/smaller than "32791", replace the existing fuel sender sensor and strainer with those components contained in the applicable sensor and strainer kits shown below by model year.

To insure correct installation, follow the service procedure contained in the applicable Service Manual and the instructions contained in the service kits.

Parts Information

Part Number	Description
88896043	R.H. Fuel Sender Kit (1997-1999 M.Y.)
88895126	R.H. Fuel Sender Kit (2000 M.Y.)
88899034	Fuel Sensor Kit (1997-2000 M.Y.)
12458245	Fuel Strainer Kit (1997-1999 M.Y.)
12459862	Fuel Strainer Kit (2000 M.Y.)

GM 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 GM dealer for information on whether your vehicle may benefit from the information.

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