



## Dodge Dakota Fuel Pump Positioning/Alignment

### The Problem:

Because of the narrow fuel tank design on Dodge Dakota pickups (1991-96), fuel pump replacement requires precise positioning of the fuel pump module assembly. Improper positioning results in inaccurate fuel-level readings due to obstruction of the fuel-level sending unit float within the tank. Failure to properly align the new pump and installing with even a small amount of offset from the original factory position can lead to binding of the float arm on the fuel tank sidewall.

The fuel pump module assembly, when properly aligned, allows free movement of the fuel-level sending unit float and arm (oval 1).

The fuel pump module assembly, when improperly aligned, causes interference between the fuel-level sending unit float and fuel tank sidewall (oval 2).



PROPERLY POSITIONED FUEL PUMP MODULE ASSEMBLY



IMPROPERLY POSITIONED FUEL PUMP MODULE ASSEMBLY



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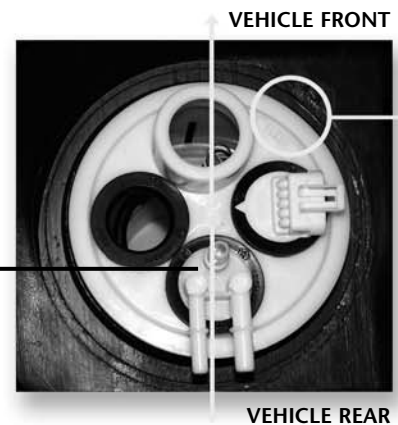
## The Solution:

The Airtex E7050M fuel pump module assembly is marked with an alignment arrow to ensure proper positioning. However, in many cases it may be difficult to see the corresponding alignment indicator on the original fuel tank due to dirt, road grime, or tank position when installing the new assembly. If this is the case, refer to the guidelines listed in this document to ensure proper fuel pump module assembly alignment and accurate fuel-level readings.

Ensure that tank alignment indicator is properly positioned relative to the fuel pump module assembly alignment indicator (top photo detail). If alignment indicators are not visible due to contamination or fuel tank position, ensure that pump is positioned per the reference marks relative to the front and rear of the vehicle.

If vehicle fuel lines do not align with pump fuel line outlet, reposition pump fuel line outlet ONLY (not entire module) by turning clockwise in its grommet.

**NOTE:** Verify proper tank to fuel pump module assembly alignment after final tightening of lock ring.



## Part Number Applications

Part Number	Applications			
E7050M	Dodge	Dakota	1993-1991	V6 231 (3.9L) (X); V8 318 (5.2L) (Y)
	Dodge	Dakota	1995-91	L4 153 (2.5L) (G, K)
	Dodge	Dakota	1996	L4 153 (2.5L) (F, G) w/22 Gal. Tank

