

Take the “Pressure” Out of Choosing the Correct Fuel Pump



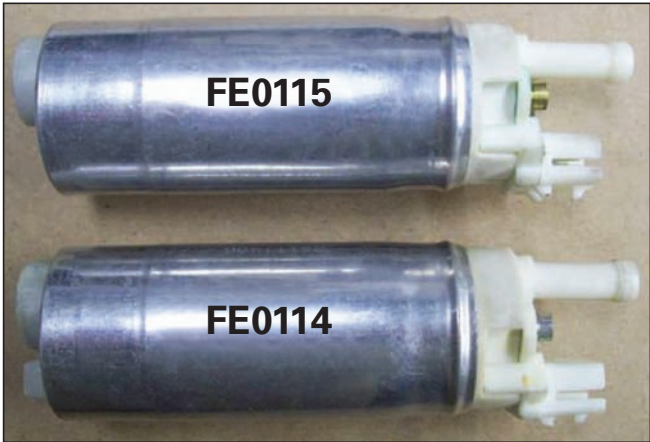
Two of the most common fuel pumps used on GM vehicle applications are the FE0115 and FE0114 fuel pumps. These pumps look similar and, in some cases, fit vehicle applications of the same make, model, year and engine displacement.

The difference? A big one. They have different fuel injection systems and the fuel pressure they produce are vastly different.

The FE0115 is a low pressure pump that produces about 12 PSI. The FE0114 is a high pressure pump that produces about 62 PSI. Even though these two parts can physically be placed into the same vehicle application, they are not interchangeable due to the large difference in the pressure they produce.

An incorrect selection between these two pumps can result in the pump providing the wrong fuel pressure for the vehicle application – which can mean a customer return.

For example, the 1992-1994 Chevy S10 Blazer 4.3 liter V6 and the 1992-1994 GMC Sonoma 4.3 liter V6 are equipped with the same displacement



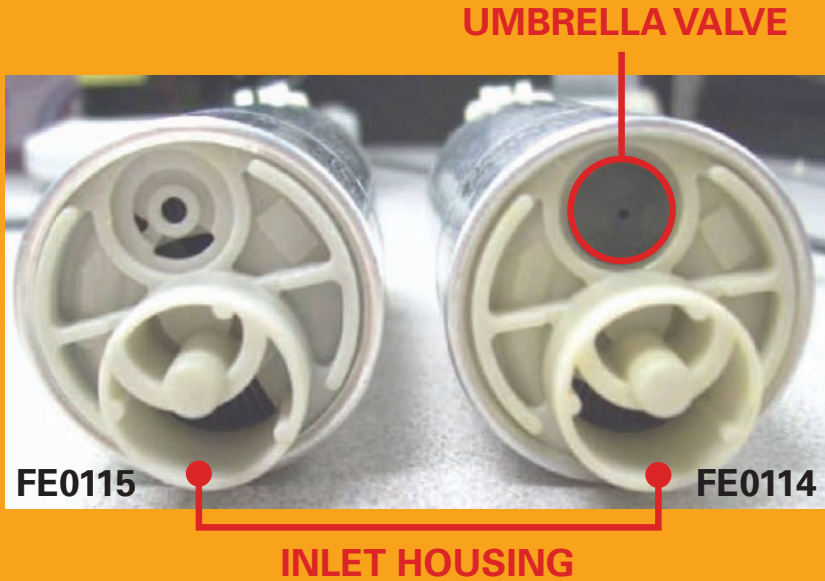
Both pumps viewed from the side are nearly identical in appearance.

engine, but have two varieties of fuel injection systems. As a result, they need two different fuel pumps, FE0115 or FE0114.

The VIN (Vehicle Identification Number) Z 4.3 liter V6 engine is equipped with a low pressure, throttle body injection system (TBI) and is designed to work with the FE0115 low pressure fuel pump. The VIN W 4.3 liter V6 is equipped with high pressure central port injection system (CPI) and is designed to work with the FE0114 high pressure fuel pump.

The key to success is determining the type of fuel injection system and then matching the fuel pump to it. This can be done by identifying the VIN and

The Difference is in the Valves



The pump on the left is the FE0115 and the pump on the right is the FE0114. Both pumps use similar inlet housings, but the FE0115 pump does not use an umbrella valve, while the FE0114 does.

comparing the eighth digit in the VIN (either W or Z) to the cataloging data.

If the VIN is not known, ask if the truck has a low pressure fuel injection system (TBI), in which case FE0115 would be the correct pump; or a high pressure injection system (CPI), in which case FE0114 would be the correct pump.

Although the FE0115 and the FE0114 appear similar, FE0115 does not have an umbrella valve in the inlet housing, while the FE0114 does. This can help distinguish one pump from another after it has been removed from the packaging and that can mean fewer comebacks for your shop. ■

S10 BLAZER (V6)			
1994	4.3L, 262cid, FI, (W)	In-Tank Pump	FE0114
		Strainer	FS0177
		Hanger Pump Assy	HP10004★
	4.3L, 262cid, FI, (Z)	In-Tank Pump	FE0115
		Strainer	FS0177
		Hanger Pump Assy	HP10005★
1993	4.3L, 262cid, FI, (W)	In-Tank Pump	FE0114
		Strainer	FS0177
		Hanger Pump Assy	HP10004★
	4.3L, 262cid, FI, (Z)	In-Tank Pump	FE0115
		Strainer	FS0177
		Hanger Pump Assy	HP10005★
1992	4.3L, 262cid, FI, (W)	In-Tank Pump	FE0114
		Strainer	FS0007
	4.3L, 262cid, FI, (Z)	In-Tank Pump	FE0115
		Strainer	FS0007

This portion of the Delphi fuel pump catalog shows the 1992 – 1994 Chevy S10, and FE0115 and FE0114 fuel pumps where applicable. The key to success is determining the fuel pressure needs of the vehicle engine first and then selecting the correct pump.