

**Stainless Steel
High-Pressure Inlet
Connectors For Dodge
5.9L + 6.7L Common
Rail Applications**



DT590008



DT670004

An Employee Owned Company

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DTech offers stainless steel, high-pressure inlet connectors for Dodge 5.9L and Dodge 6.7L common rail applications.

Part number DT590008 covers Dodge 5.9L model years 2003 – 2007. Part number for the six pack is DT590017.

Part number DT670004 covers Dodge 6.7L model years 2007 – 2013. Part number for the six pack is DT670005.

The stainless steel bodies provide additional protection against corrosion, inside and out. It's recommended you replace the high-pressure inlet connector every time you replace an injector to ensure a successful injector installation and protect against contamination.

The high-pressure inlet connector has two important functions:

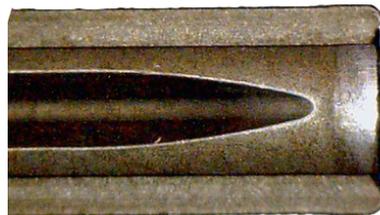
1. The spherical end of the connector along with the injector body inlet passage form a high-pressure connection. Leaks at this connection result in high injector return volume, hard starting and other performance problems.
2. The injection line end of the connector has an edge filter that will prevent "large" contaminants from reaching and damaging the injector.

EDGE FILTER DETAILS

A common rail injector has internal clearance tolerances in the 2-3 micron (μm) range. A human hair is about 60 μm thick. Without magnification the smallest size we can see is 30 μm . Common rail engine fuel filters normally have a 5 μm rating. The connector edge filter will capture particles 30 μm and larger. Over time, some of these will break down into smaller particles and go through the injector causing a reduction its operational life.

Edge filters will wear in operation letting contaminants larger than 30 μm to pass on to the injector causing damage and premature failures. Edge filters cannot be visually inspected for wear because once removed the connector tube must not be reused. The only way to insure protection from contaminants larger than 30 μm is to install a new connector.

Undamaged Edge Filter



Damaged Edge Filter



86 micron wire →