

# Blue Print

## ADA101802, ADA101811



### To Fit:

Chrysler Ram, Voyager, Dodge Ram and Jeep Cherokee, Liberty, Ram models fitted with 2.5 or 2.8 diesel engines.



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## Glow Plug

### Problem

Poor starting of the engine and excessive smoke from the exhaust, during the warm up period.

### Cause

Glow plug failure that results in not being able to preheat the combustion chamber for ease of starting, when the engine is cold. This also results in no post glow to assist the engine in warming up quickly to reduce vehicle emissions.

### Solution

During the production period of the vehicles mentioned above, the vehicles were fitted with a set of 7-volt ceramic glow plugs. The original glow plugs were prone to failure and breaking during replacement. As a response to this issue, the vehicle manufacturer issued an in service, Technical Service Bulletin with details of a kit consisting of four 5-volt steel glow plugs and a new control unit. This kit also required a software update on the engine ECU. This kit is no longer available and many vehicles did not receive this modification.

When replacing the glow plugs on these vehicles, the same type of glow plugs must be fitted to the vehicle, which it is programmed for. The easiest way to determine the glow plug version fitted to the vehicle, is to remove a glow plug from the engine, the voltage rating will be stamped on to the glow plug shoulder.

Blue Print's range of glow plugs includes both the 5-volt glow plug (ADA101811) and the glow plug for the 7-volt operating system (ADA101802) which has an 11-volt glow plug fitted.

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