

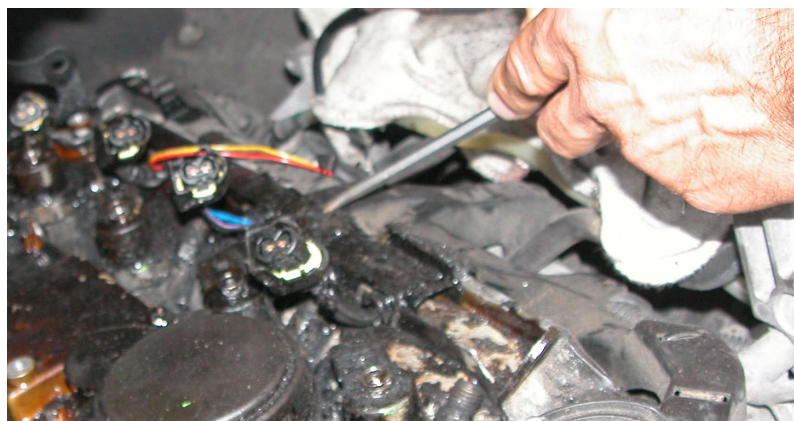
Information
**Technical
information**

**LIQUI
MOLY**



Injector Dismantling Aid

Dissolves. Cleans. Convinces.



Technical information



Removing stubborn carbon deposits on diesel engines

Hard crusts: Common rail diesel engines often suffer from heavy contamination on the valve cover. Defective sealing rings on the seat of the injectors allow a mixture of diesel, soot and exhaust gas to escape. This then solidifies to form a stubborn crust (figure above).

These crusts sometimes cover the whole of the valve cover, often to a depth of several centimeters, and are as hard as coal.

Problem: To free the engine from this extreme dirt and then replace the defective seals, lines, cables and especially the injector need to be removed. It may be necessary to disassemble the valve cover. The heavy incrustation makes this impossible. The retaining claws of the injectors are completely "overgrown" and inaccessible.

Simple to use

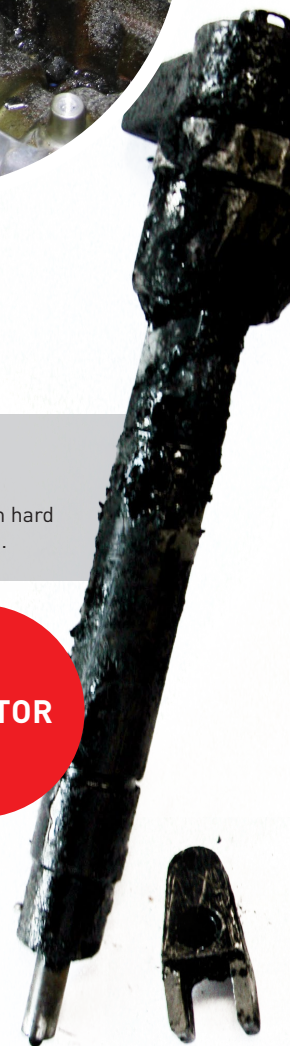
Where possible, the crust is first scraped off mechanically. A screwdriver or scraper can be used for this purpose. Important: Do not damage lines, etc. Then spray the coked-up surface thoroughly with the LIQUI MOLY Cold Spray. This is then followed by treatment with the Pro-Line Injector and Glow Plug Dismantling Aid. The time to take effect is 15 to 30 minutes. This dissolves and softens the crusts. In the case of heavy deposits, scrape off the carbon deposits several times with a screwdriver and repeat the procedure if necessary.

Finally, give the engine a thorough hot wash with a high-pressure cleaner. The injectors can now be easily removed and also cleaned with LIQUI MOLY Pro-Line Injector and Glow Plug Dismantling Aid.

During installation, make sure that the injectors are thinly coated with LIQUI MOLY Pro-Line Injector and Glow Plug Grease (Part no. 3381).

Before
Removed injector with hard incrustation.

INJECTOR





A strong team

The LIQUI MOLY Cold Spray in combination with the LIQUI MOLY Pro-Line Injector and Glow Plug Dismantling Aid "cracks" the problem in a short time. The incrustations are initially porous and then considerably softened. After treatment, the deposits can be removed with a scraper and a powerful engine wash.



After

Spray on –
leave to work in –
wash off – done.



Part no. 3379



Part no. 8916



Part no. 3381



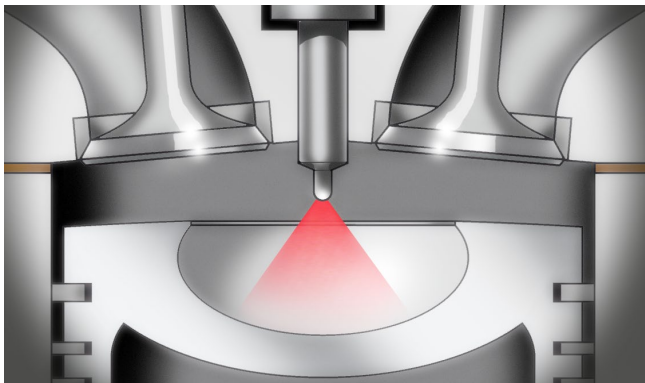
1 Spray all parts thoroughly with Cold Spray and LIQUI MOLY Pro-Line Injector and Glow Plug Dismantling Aid. Then allow it to work.



2 Scrape off and respray several times. Then give the engine a thorough wash.



3 Removed valve cover. Left: untreated. Right cleaned with Cold Spray, LIQUI MOLY Pro-Line Injector and Glow Plug Dismantling Aid and engine wash.



LIQUI MOLY recommends:

After cleaning the outside, the inside of the injectors should also be cleaned due to the deposits.

We recommend using LIQUI MOLY Pro-Line Super Diesel Additive for this.

Part no. 5176



How Pro-Line Super Diesel Additive works

Description

Pro-Line Super Diesel Additive is a combination of agents with cleansing, dispersing and material-protecting characteristics and cetane number increasing properties. The product was specially designed for use with the latest operating fluids (e.g. low-sulfur diesel fuels with portions of biodiesel). Pro-Line Super Diesel Additive can be used in all diesel engines, including those with pumped-jet and common rail injection systems. The lubricity improver contained provides better lubricity for diesel fuels low in sulfur. The increase in ignition performance improves the combustion of the fuel. This, in turn, reduces exhaust emissions. The high proportion of corrosion protection additives reliably protects the entire fuel system from the formation of rust and corrosion. The exceptional cleansing effect of Pro-Line Super Diesel Additive keeps components clean, prevents deposits from forming and maintains engine performance at a consistently high level.

Characteristics

- protects injection system components from wear
- prevents expensive repairs
- excellent cleaning effect
- increases the lubricating effect
- outstanding corrosion protection
- boosts the cetane number
- tested for catalytic converters
- prevents the build-up of deposits
- prevents seizing and resinifying of the injector needles
- guarantees optimum combustion
- highly economical
- guarantees consistently good engine performance
- stable to oxidation

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