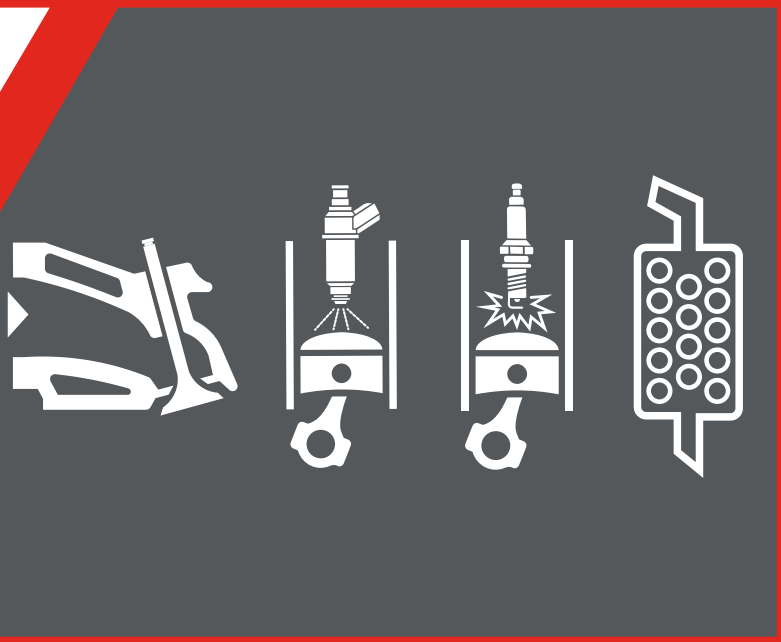


ENGINE CLEANING

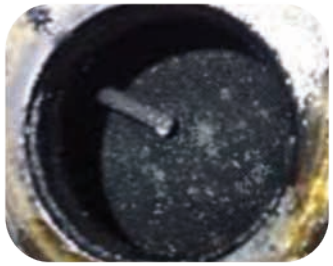
GEATEK

MADE TO LAST

ENGINE CLEANING

Dirty Intake Manifold

Clogged Injector



Clogged Particulate Filter

AVOID COSTLY REPAIRS

OFFER PROFESSIONAL SERVICES

INCREASE YOUR PROFITS

- Diesel and Petrol Engines
- Cleaning without disassembly
- GEAIDEA technical database
- Guided and automated procedures
- Integrated particulate filter diagnostics

AIR INTAKE

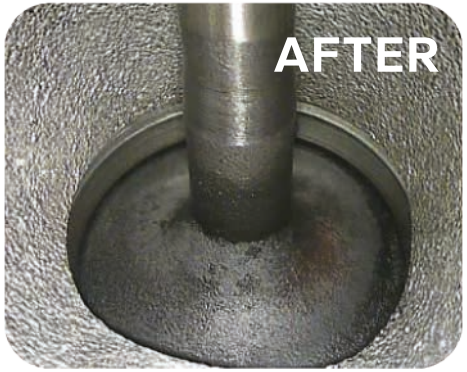
1 BRING THE ENGINE TO OPERATING TEMPERATURE

2 CONNECT TO THE VEHICLE

Connect the adapter with the nebulizing nozzle always **after the turbo and intercooler.** Disconnect the MAF sensor.

3 CLEANING WITH AIR PETROL / AIR DIESEL

Keep the engine between 1000 and 1500 RPM during the cleaning process. The KLEAN 4000 **automatically nebulizes** AIR PETROL or AIR DIESEL at regular intervals during the cleaning cycle. The treatment can last between 30 and 60 minutes depending on the amount of deposits to be removed.



WATCH THE VIDEO!

INJECTION

Why perform a professional cleaning with KLEAN 4000 and ISC PETROL or ISC DIESEL instead of using a fuel tank additive?

- **THE ENGINE RUNS POORLY**
- **RESULTS IN JUST 20 MINUTES**
- **HIGHLY CONCENTRATED FORMULA**

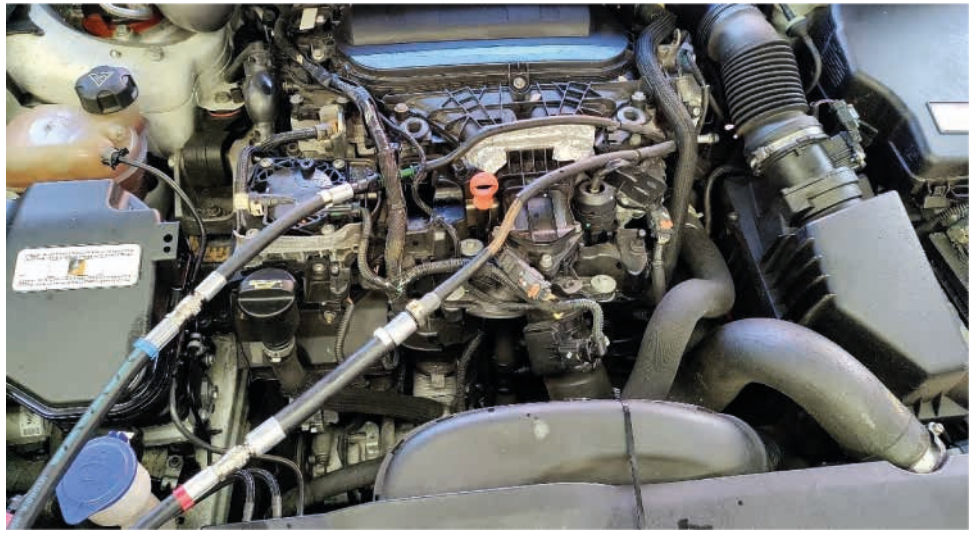
BEFORE

AFTER

1 BRING THE ENGINE TO OPERATING TEMPERATURE

2 CONNECT TO THE VEHICLE

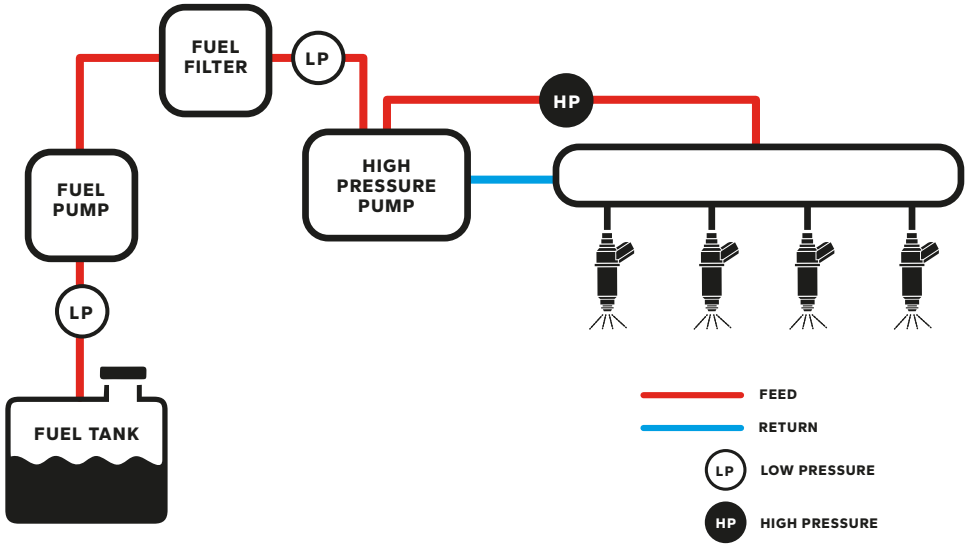
Follow the specific vehicle connection instructions available on the GEAIDEA database. Set the correct pressure and wait until all air is expelled from the system.



3 CLEANING WITH ISC PETROL / ISC DIESEL

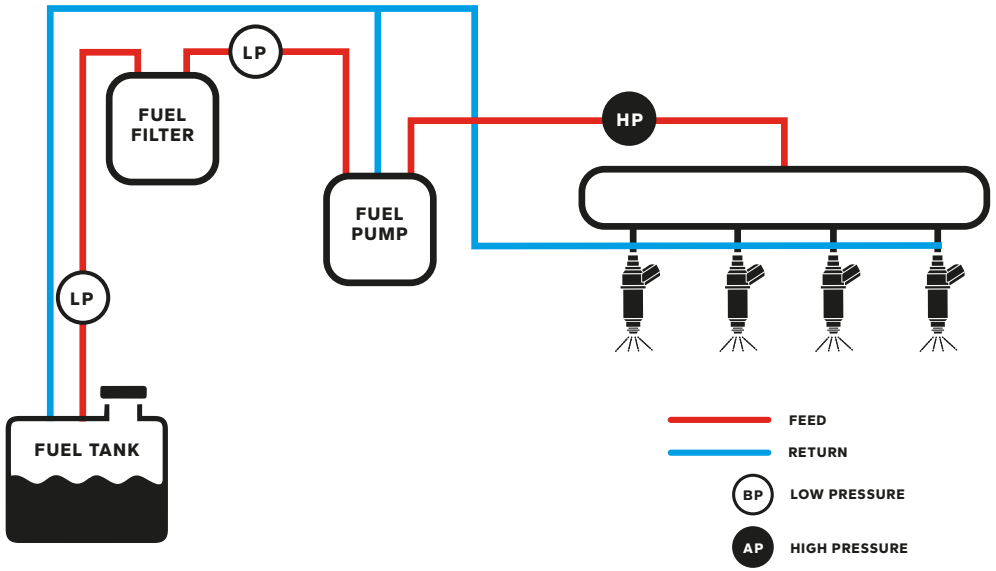
Start the vehicle's engine and let it run until the timer expires.
KLEAN 4000 will sound an alarm to allow you to turn off the engine before the cleaning fluid runs out.
A **Quick** cleaning requires 20 minutes;
an **Intense** cleaning requires 40 minutes.

RETURNLESS SYSTEMS



Connect the KLEAN 4000 delivery hose (**red**) to the low-pressure side. The fuel pump must be disabled by removing the fuse, relay, or unplugging the pump connector. These are usually petrol engines.

RETURN SYSTEMS



Connect the KLEAN 4000 delivery hose (**red**) to the fuel feed line and the return hose (**blue**) to the return line. Then, connect the delivery and return lines of the fuel tank together to form a closed loop.
These are usually diesel engines.

GEAIDEA

DATABASE & TECHNICAL SUPPORT

Does connection seem difficult? Unsure what pressure to set? It's no longer a problem!

The GEAIDEA database provides all the information needed to disconnect fuel lines, with real photos, specifying feed and return lines and the operating pressure.

With the included adapters it will be very simple!

WATCH THE VIDEO!

PARTICULATE FILTER

WHY DOES THE DIESEL PARTICULATE FILTER GET CLOGGED?

Failure to perform self-regeneration of the DPF (Diesel Particulate Filter) leads to clogging. The causes may vary:

- The vehicle is driven only for short distances, preventing proper regeneration.
- A sensor in the exhaust system is faulty and regeneration does not occur.
- There is a malfunction in the vehicle's injection system.
- The exhaust gas recirculation system (e.g. EGR) is not functioning correctly.
- A fault in the vehicle's intake system (e.g. a cracked hose).

HOW DO I FIX THE ISSUE?

The treatment with **GEATEK products** allows cleaning of the DPF **without removing it from the vehicle**, offering your customers a **legal and cost-effective solution!**

GEATEK ensures compatibility with all components of the exhaust line (e.g. catalytic converter, DOC, SCR AdBlue, NOx and particulate sensors).

WATCH THE VIDEO!

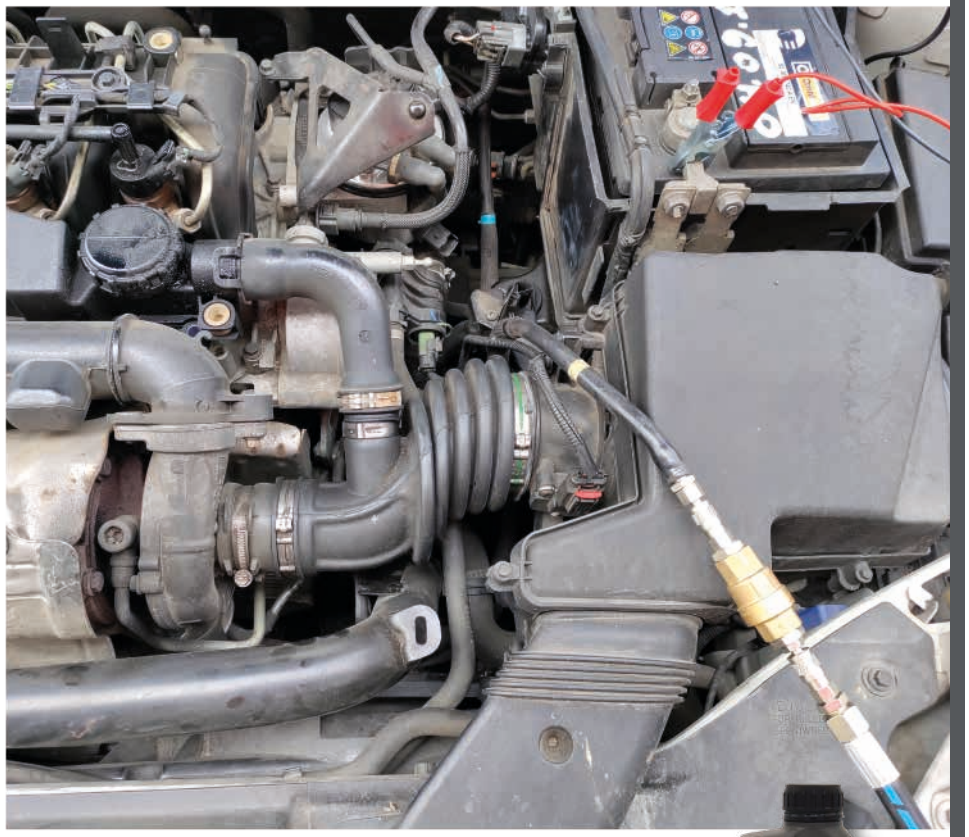
1 DIAGNOSIS

Before starting the treatment, it's important to carry out a vehicle diagnosis. **GEATEK KLEAN 4000** with the external sensor (GEA 16013) allows pressure measurement on the DPF even when the diagnostic tool cannot read the value or expresses it in Volts or other units. The measurement is taken from the hose leading to the differential pressure sensor.

KLEAN 4000 indicates the DPF's cleanliness status to determine whether cleaning is necessary.

2 CONNECTION TO THE VEHICLE

Disconnect the appropriate adapter from the hose upstream of the DPF going to the differential pressure sensor or replace the lambda sensor. **The DPF must be cold (< 50°C)** before performing any operations. **Gealdea** provides connection instructions.



3 CLEANING WITH PFK1

PFK1 is injected into the DPF to dissolve the accumulated soot. Let it act for **15 minutes** for full effectiveness.

4 CLEANING WITH PFK2

PFK2 is then injected to remove the particulate loosened by PFK1 from the exhaust line.

5 RESTORE

Disconnect the KLEAN 4000 from the vehicle and restore the sensors.

6 REGENERATION

After the treatment, it is advisable to perform a DPF regeneration to dry out the exhaust system and sensors. This can be done using a diagnostic tool or by driving the vehicle at a steady speed.

KLEAN 4000 AND ACCESSORIES

The KLEAN 4000 equipment allows the cleaning of the intake manifold, injection system, and particulate filter for diesel and petrol engines. These treatments are carried out without removing parts from the vehicle, saving time and labor. The KLEAN 4000 can also perform particulate filter diagnostics. Dimensions: L = 540 mm, H = 1120 mm, D = 460 mm. Weight: ~ 35 kg. Power supply: 12Vdc from the vehicle.

- **KLEAN 4000** **GEA 10809**
- **KLEAN POWER KIT (2025)** **GEA 14801**
- **DPF SENSOR** **GEA 16013**

AIR INTAKE

GEA 12801
AIR DIESEL 500 ML

GEA 12802
AIR PETROL 500 ML

INJECTION

GEA 12805
ISC DIESEL 500 ML

GEA 12806
ISC PETROL 500 ML

PARTICULATE FILTER

GEA 12808-001
PFK1 + PFK2
1L + 1L Package

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