

# AD Design

EURO-QUALITY SYSTEM



ISO 9001

[WWW.HUBITTOOLS.COM](http://WWW.HUBITTOOLS.COM)







**DIAGNOSTIC**

**P. 4**



**DIESEL**

**P. 19**



**WHEEL**

**P. 24**



With over 40 years of experience in selling innovative tools, the Belgian company Hubitools has become a key partner in the automotive and industrial repair sector.

Since 2016, we design and develop our own products.

These patented tools are designed to help technicians solve common problems with modern vehicles.

For the first time, we have gathered them in this new "Hubitools Design" catalog.

As you will discover in the following pages, Hubitools Design includes tools that combine innovation and optimal quality in the fields of specialty Tools, diagnostics, inspection and electronic testing.

Hubitools is also a quality of service and a flexibility that only small companies like ours are able to offer.

We offer a "turnkey" service by branding our products with our customers' brand (packaging and branding of products) and/or by providing all the necessary marketing resources such as sales pitches, online training or demonstration videos with the customer's corporate identity.

In addition, our technical experts are available to answer your questions at any time and to train your staff. You get all the support you need to sell our innovative products.

Enjoy your reading!

**THE ULTIMATE AUTOMOTIVE TESTER KIT**

**IMPROVED VERSION**

**Scope +**

HU31025

- Solely designed for automotive electrical circuit's trouble shooting !
- Easy and simple to use; no extensive electrical knowledge needed
- Fully protected. Will not cause damage even accidentally using OHM measurement to measure Volts

**Measures :**

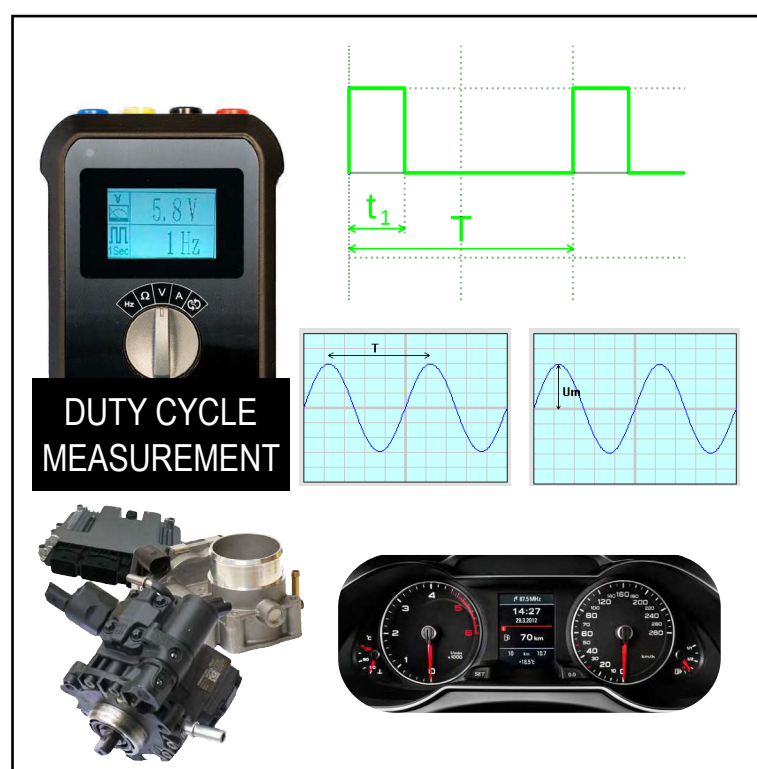
- Amps measurement (0 to 30 Amp !!)
- Voltage (max. 50VDC)
- Cranking volts with auto hold function
- Resistance [Ohms] (from 0.0  $\Omega$  up to 1.0 M $\Omega$ )
- Frequency with peak to peak volts (up to 20 KHz)
- Duty cycle (%)

**In addition, it performs:**

- Continuity test
- Diode/ LED test



**AVAILABLE FROM  
SEPTEMBER 2021**



**EASY TO USE - AUTORANGE**



**VOLTAGE AND CRANKING VOLT WITH COLOR CODED SCREEN**

**AMPS DRAW & AMPS  
MEASUREMENT**



## SENSOR SIMULATOR

HU31035

- It will help you in your diagnostic when scan tool diagnosis ends. Sensors, injector actuators will inform the scan tools that something is wrong but Sensor simulator will allow the technician to know if the faulty operation is a faulty sensor, a defect in the wiring or a problem in the computer itself
- The product is mainly used for wiring tests. This is because the device can simulate the signal and compare to the scan tool
- You can simulate most sensors, injectors or actuator as ABS sensor, lambda sensor, EGR sensor, CKP sensor, knock sensor and map sensor
- Eliminates need to replace non-defective sensors, by the time you have changed a couple of un-needed sensors the device has paid for itself
- Now also able to generate up to 4amps to activate flaps, actuators, valves, small DC motors, injectors, light bulbs, ...

### Simulator functions :

1. Simulated resistance
2. Simulated voltage
3. Simulated sine wave
4. Simulated square wave
5. Simulated temperature coefficient sensors
6. Simulated throttle & pedal sensor sequences
7. Oxygen sensor : testing mode : and simulated mode



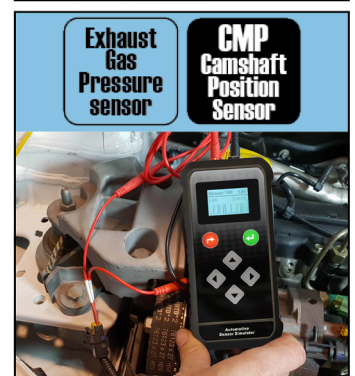
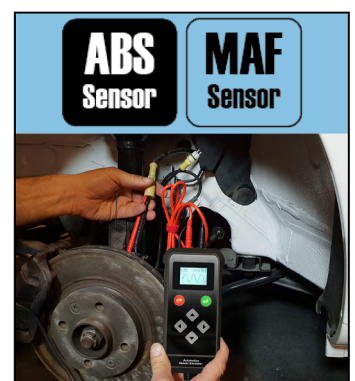
IMPROVED VERSION

NOW GENERATES UP TO 4AMPS

AVAILABLE FROM  
SEPTEMBER 2021



THE IDEAL TOOL TO SIMULATE AND ACTUATE THE OUTPUT SIGNAL FROM AUTOMOTIVE SENSORS: FREQUENCY, VOLTAGE AND TEST SEQUENCES



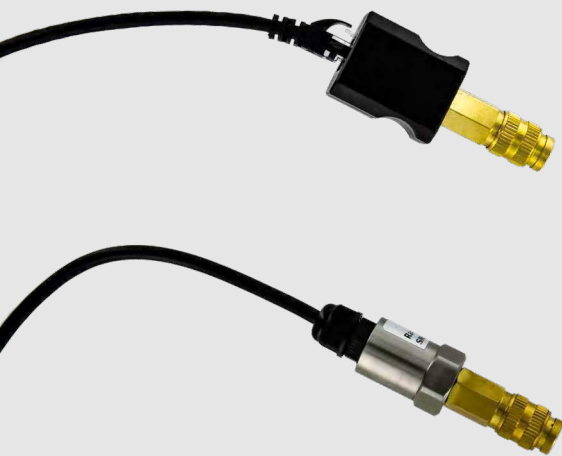


# Multifunction Universal Pressure Tester

**HU35025**

**Kit includes:**

- 7" Color TFT display with resistive touch panel
- Sensor -1 to 3bar
- Sensor 0 to 300bar
- Universal Diesel Compression Adaptor
- Universal Petrol Compression Adaptor
- 9 specific professional quick coupling adaptors
- Vacuum adaptors



-1 to 3bar

0 to 300bar

**SAVE, EXPORT, PRINT  
AND SHARE YOUR RESULTS!**



**Vacuum pressure**



**Compression PETROL & DIESEL**



**Cooling system pressure**



**Fuel low pressure**



**AdBlue pressure**



**Oil pressure**



**Particle filter pressure**

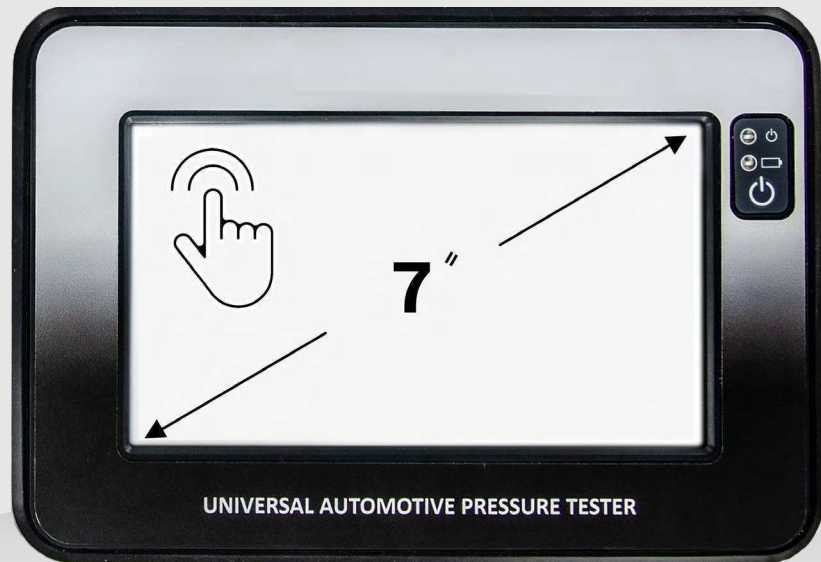


**Turbo pressure**





## DISPLAY



- 7" Color TFT display with resistive touch panel
- Battery: LiPo 3,7V / 2000mA
- USB smart battery charge with led indicator
- PC connection by USB port
- ABS enclosure with rubber bumper (Hubitools design)
- All screws are mounted on brass inserts
- 1/4 thread brass insert at back to fix suction cup, etc...

## COMPRESSION ADAPTORS



## T ADAPTORS INCLUDED IN THE HU35025

- Plug and play
- Flexible

USE QUICK COUPLER TO FIT MOST  
OEM CONNECTIONS ON CARS !



## TEST ADAPTOR KIT







## Dedicated Diesel and Gasoline Compression Tester

**HU35020**

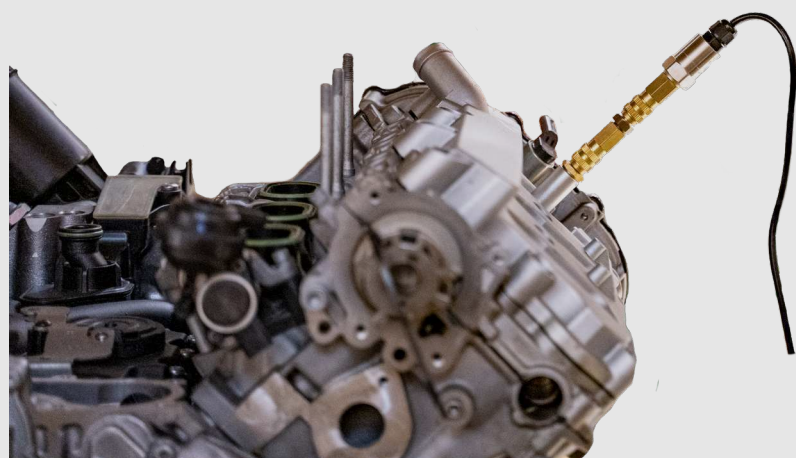
### Kit includes:

- 7" Color TFT display with resistive touch panel
- Sensor 0 to 30bar
- Universal Diesel Compression Adaptor
- Universal Petrol Compression Adaptor

**SAVE, EXPORT, PRINT  
AND SHARE YOUR RESULTS!**



### GASOLINE COMPRESSION



### DIESEL COMPRESSION





## Dedicated AdBlue & Fuel Pressure Tester

HU35021

- 7" Color TFT display with resistive touch panel
- Sensor -1 to 3bar
- Sensor 0 to 300bar
- 4 specific professional quick coupling adaptors for AdBlue and Fuel low pressure



Fuel low pressure



AdBlue pressure



SAVE, EXPORT, PRINT  
AND SHARE YOUR RESULTS!





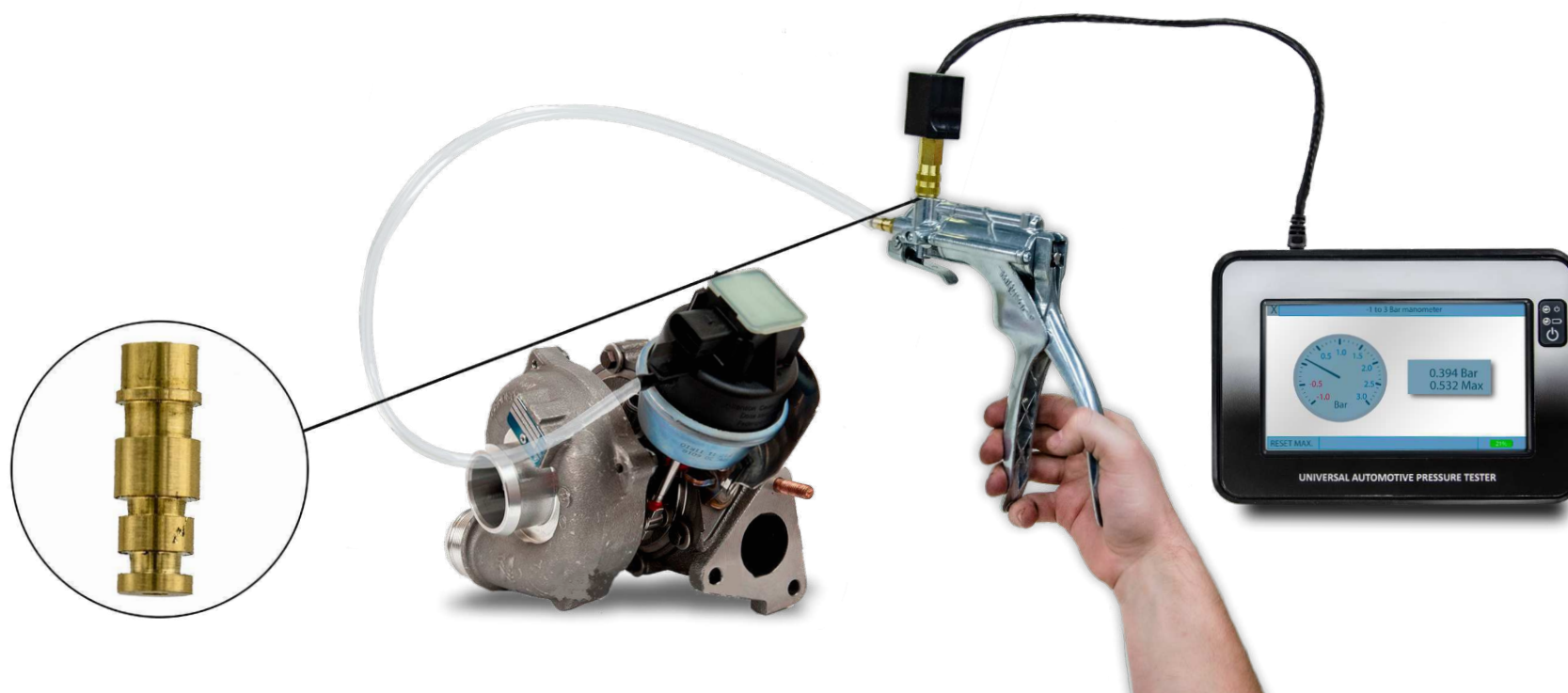
**MORE ADAPTORS AVAILABLE  
FOR THE PRESSURE TESTER**

## **ADAPTOR MITYVAC 2.0**

**HU35025-12**

**USE THE MITYVAC PUMP  
IN COMBINATION WITH  
THE HU35025 UNIVERSAL  
PRESSURE TESTER**

**Get the electronic precision of 0,01bar  
while generating a pressure/vacuum with  
the Mityvac pump**



**GIVE YOUR PUMP A DIGITAL  
ACCURACY OF 0.01bar!**

### **APPLICATION EXAMPLE**

- Vacuum test of the AdBlue tank's air vent
- Vacuum test of the throttle body
- Vacuum test of the vacuum hoses
- Vacuum or pressure test of airtightness of control systems of EGR (evap), turbo, Wastegate ...
- Vacuum or pressure test of any sensors (sensor removed from the car : comparing results between our tool and the OBD source)

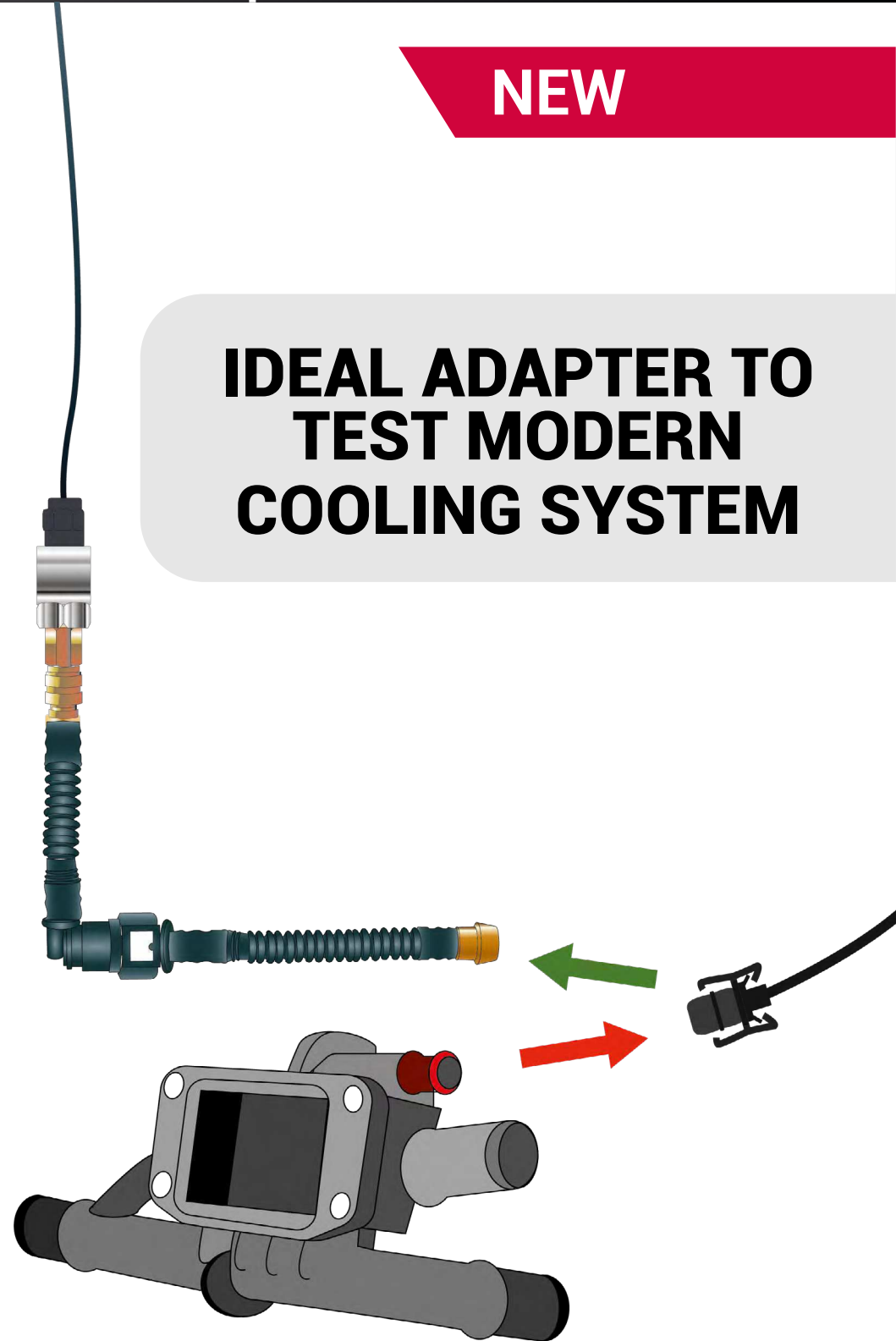
NEW

## COOLING SYSTEM ADAPTER

HU35025-13

- This adapter can be used either along with the other T adapters already included in the HU35025 or alone to perform a pressure test of the cooling system
- Its design reproduces the OEM connection allowing to connect in various spots in the cooling system (help locate an issue by bypassing some elements)
- Exemple of use, connect to the line that goes to :  
EGR coolant port, radiator pressure release port, controlled thermostat port, coolant reservoir port,...

IDEAL ADAPTER TO  
TEST MODERN  
COOLING SYSTEM



Ex: Controlled Thermostat





## SCHRADER ADAPTERS

HU35025-14  
HU35025-15  
HU35025-16

- These adapters allow for fuel low pressure testing of engines using Schrader type connectors inlets for pressure testing. (Ford, GM, ..)
- Also allow for cooling system pressure testing on cars equipped with schrader type coolant bleeding valve

**NEW**



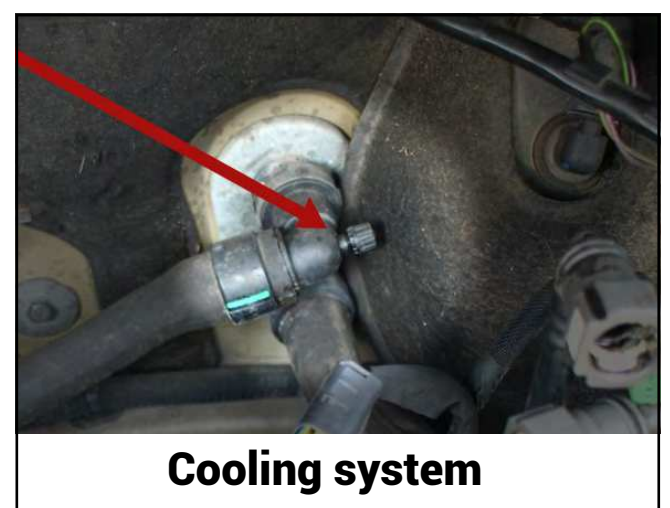
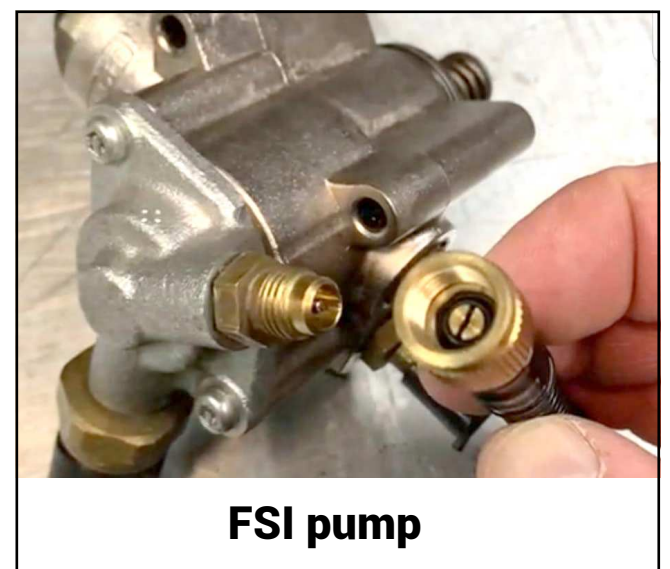
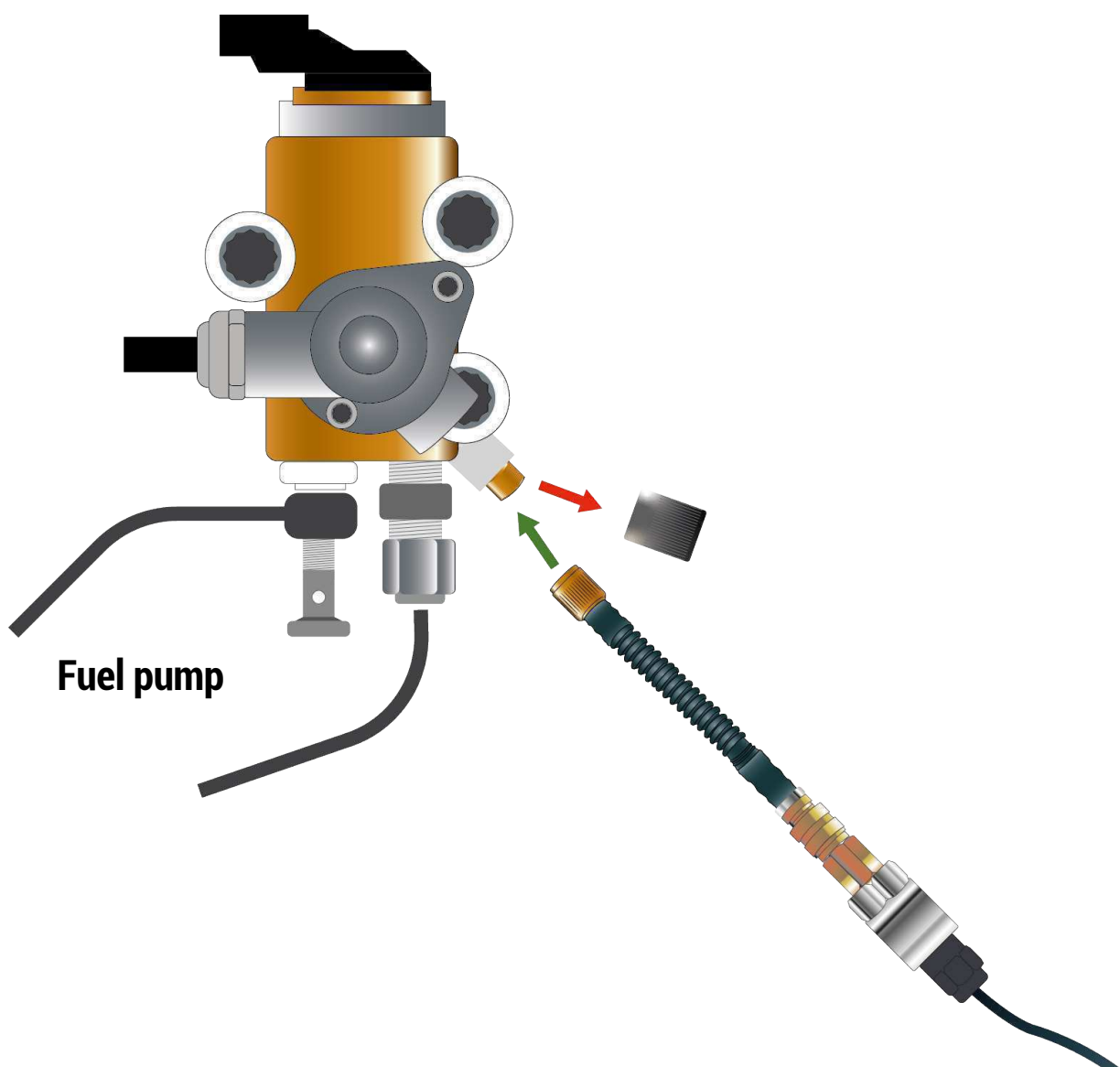
**7/16" X 20 UNF**  
HU35025-14



**8V1**  
HU35025-15



**M8X100**  
HU35025-16

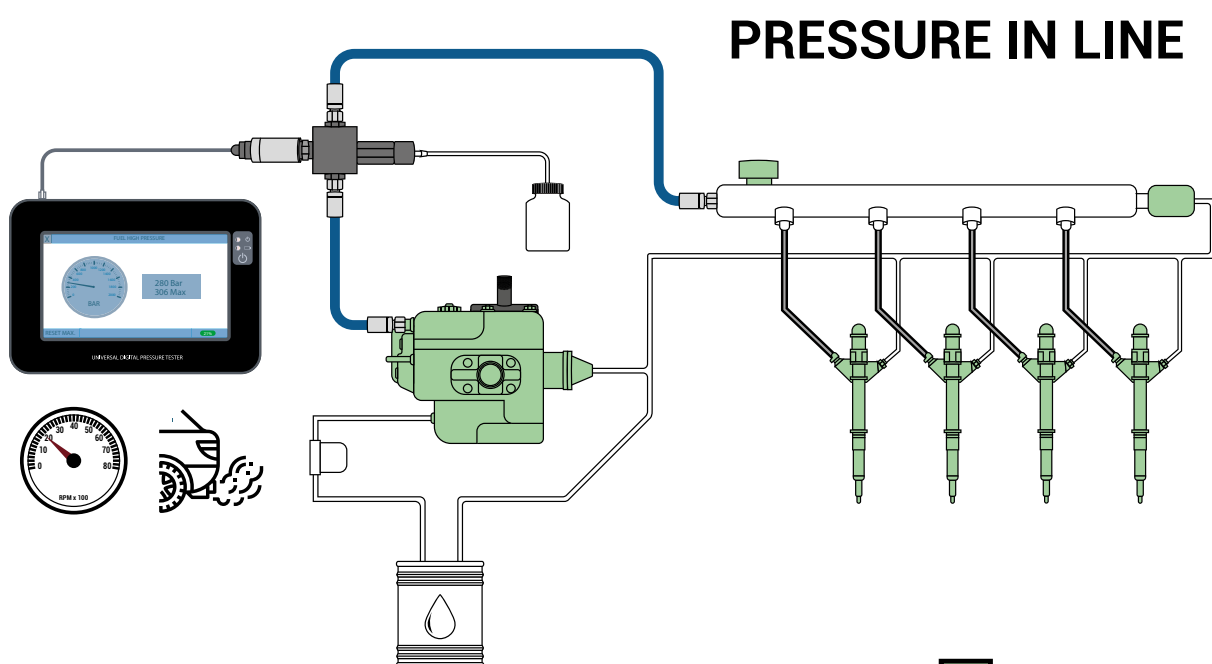
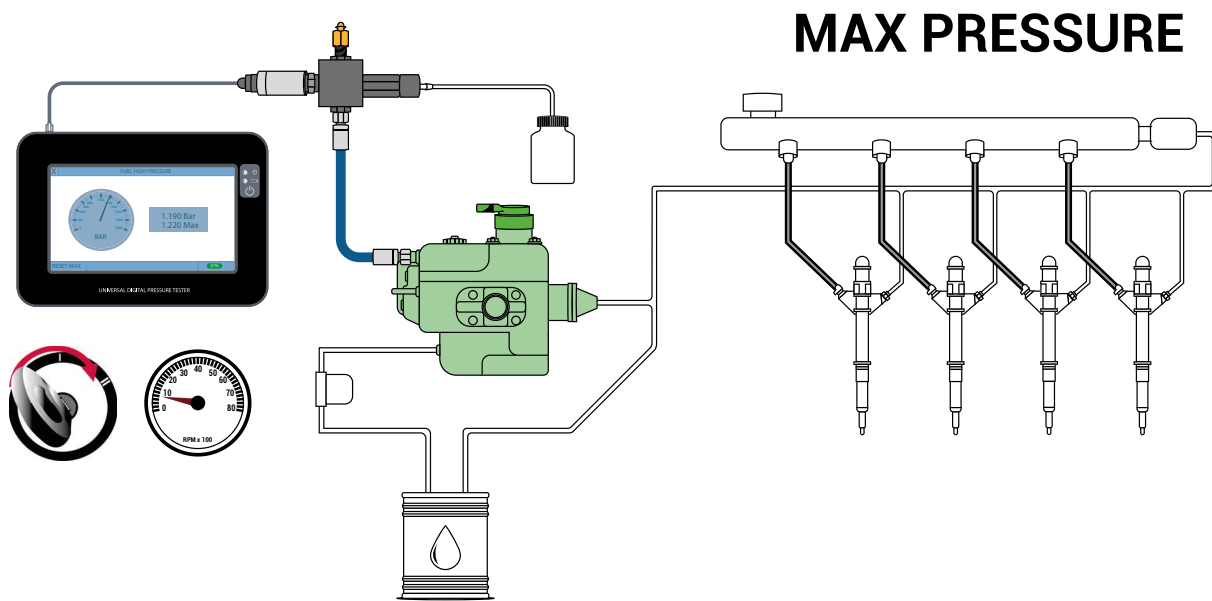
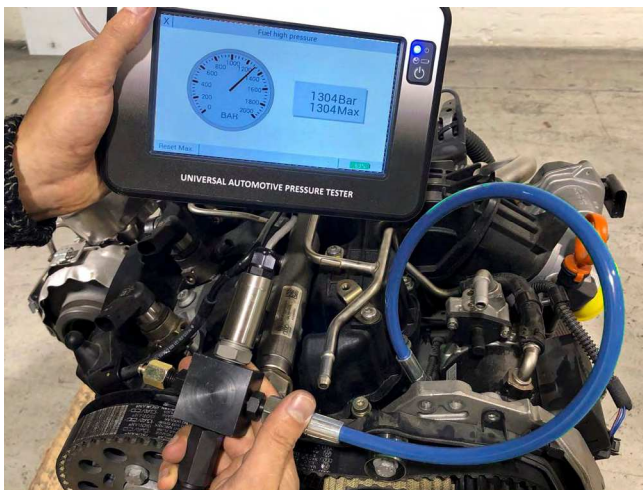


# DIESEL HIGH PRESSURE KIT

HU35026

- Easily & safely test the diesel common rail pressure
- Thanks to this set, the mechanic will be able to safely test the diesel common rail pressure, both in line ("in serie with engine running") and for direct pump pressure (Cranking the engine)
- Unlike simply having the pressure information with the sensor of the car (this sensor may have an issue), our set provides all the hardware (special sensor, plugs, hoses) to perform a very precise and accurate test in association with our digital tester HU35025 (or HU35020). The hoses included in the set will allow to measure and diagnose most usual common rail engine
- Kit includes a 2000bar sensor, a sensor plug for direct pump pressure, 2x M12 x 150 hoses for most common applications and a retrieving reservoir

## ACCESSORY KITS AVAILABLE FOR THE PRESSURE TESTER



Tested parts



## LAST GENERATION DIESEL ADAPTERS

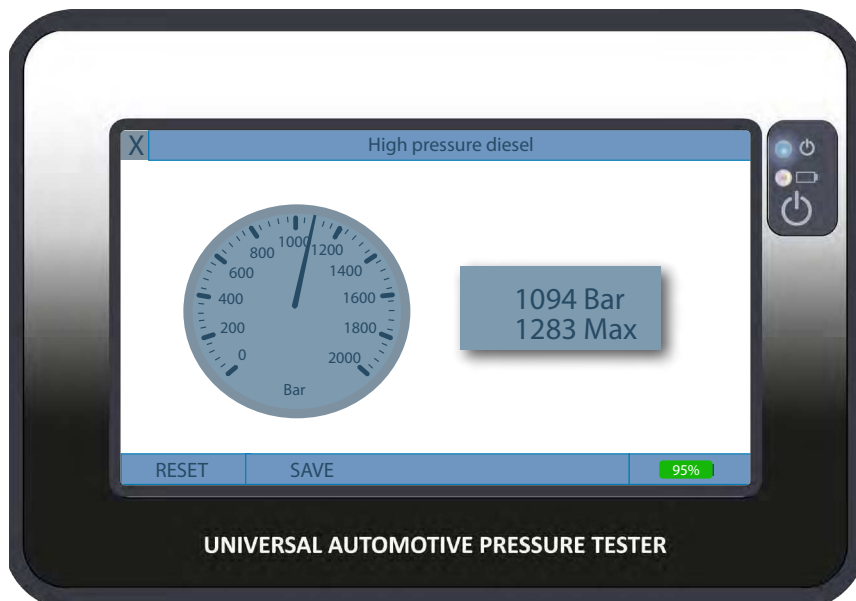
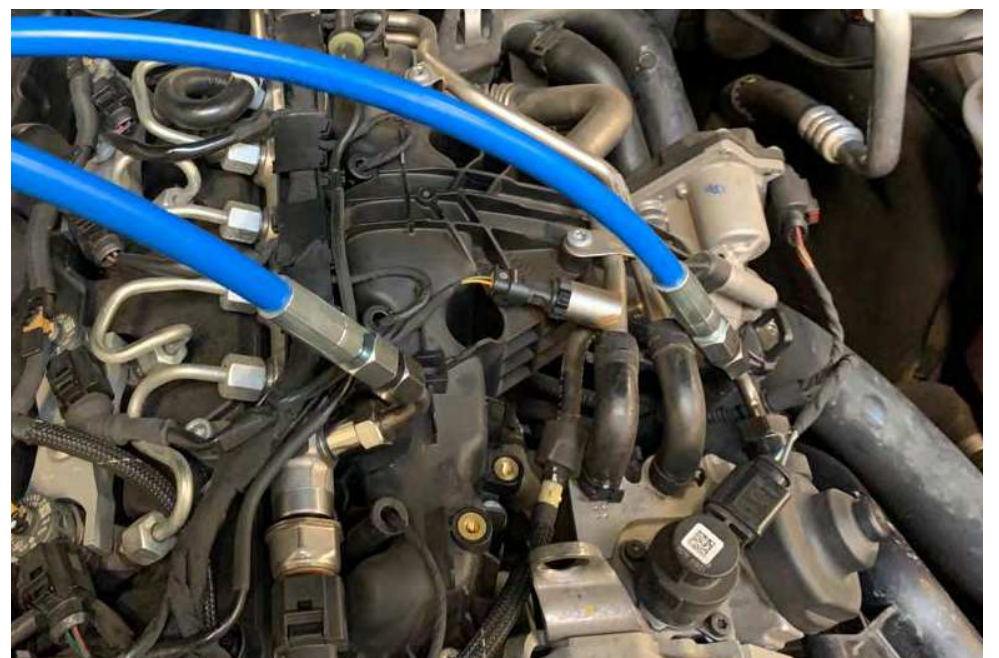
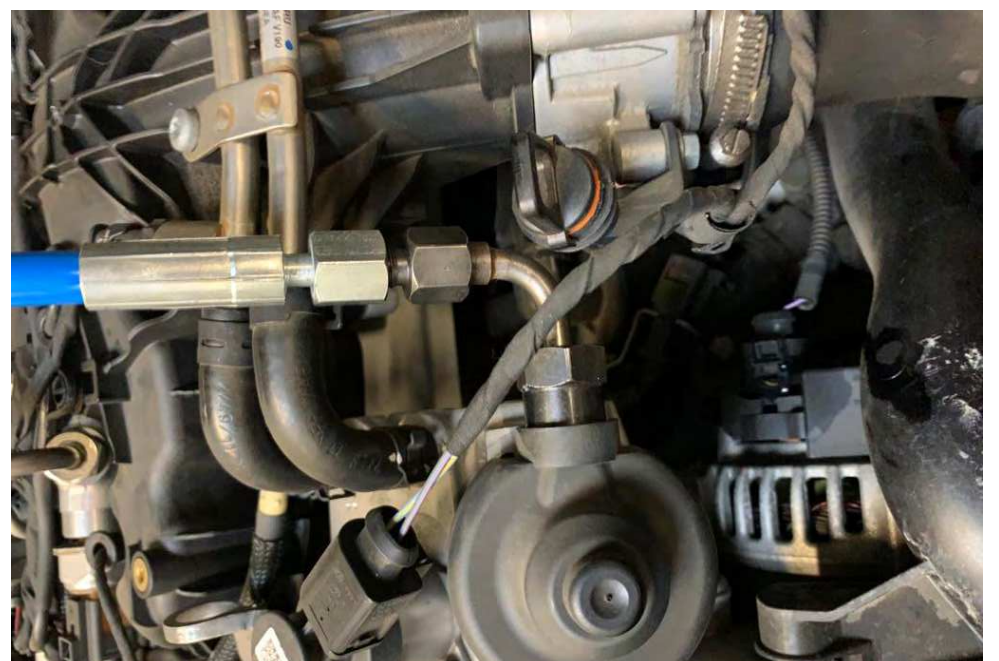
### HU35028

- This set, in association with the HU35026 will allow to test the diesel high pressure of most popular cars in the market. (Delphi, Siemens, Bosch and Denso pumps)
- One end of the adapters always has a M12x150 thread to fit our hoses. The other ends are :
  - M12x125 (2x)
  - M14x150 (2x)
  - M14x100 (1x)
  - M16x100 (1x)

**NEW**



**IDEAL FOR CONNECTING IN TIGHT AREA**

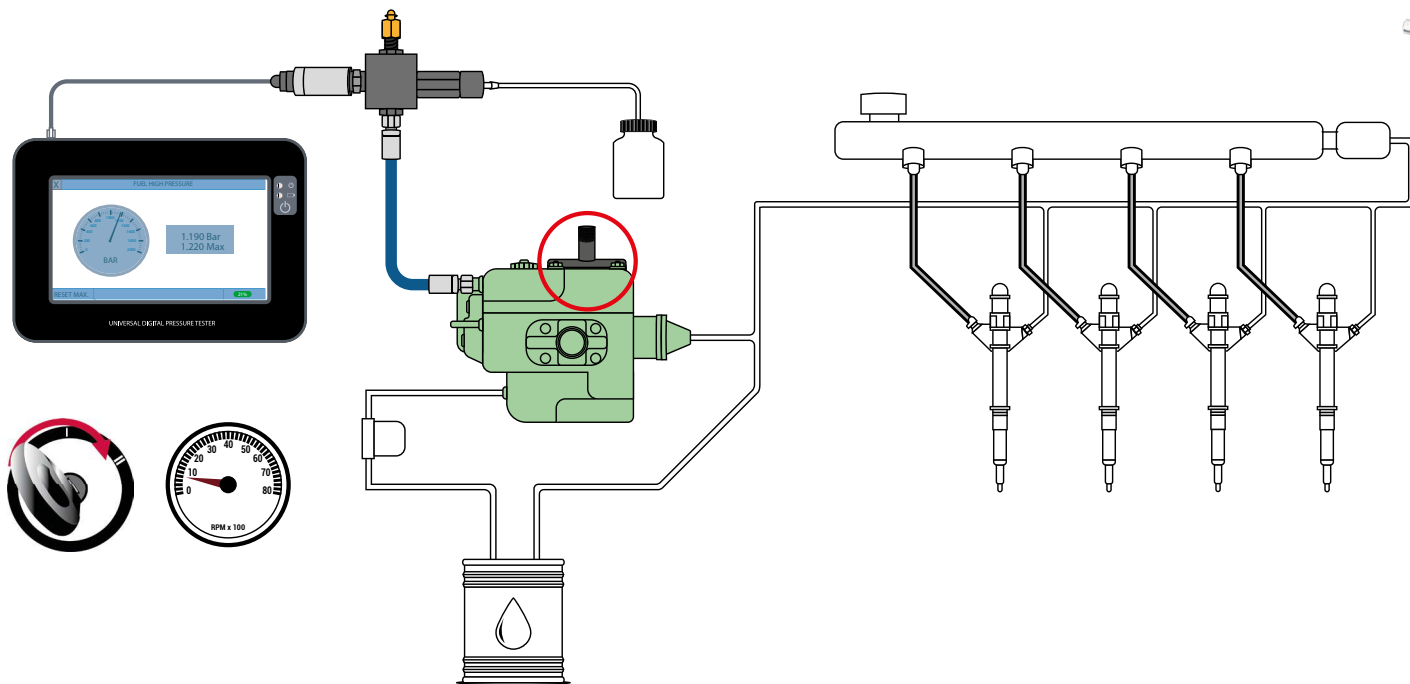




# COMMON RAIL DUMMY REGULATOR SET

**HU35031**

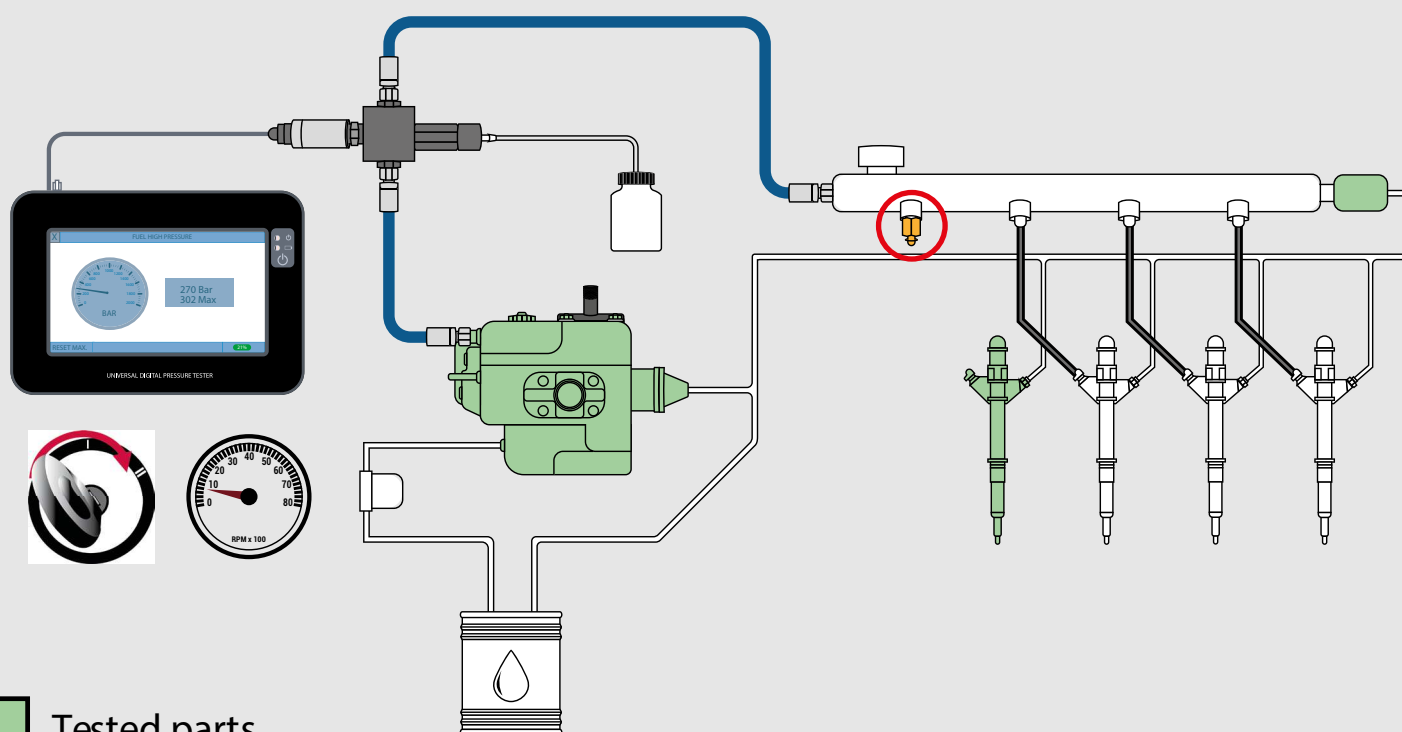
- This set, used in association with HU35026, will allow to bypass the pump's regulator and measure the pressure to diagnose any regulator or pump issue
- After observing the weak pump pressure : Simply remove the regulator, and choose the right dummy plug to bypass and seal the port. If the pressure comes back to normal, the regulator causes the loss of pressure. If the pressure stays too low, the pump is defective. This test is recommended by manufacturer of high pressure pumps
- Kit includes 8 different dummy to seal any regulator ports



# COMMON RAIL CAPS SET

**HU35030**

- Used in association with HU35026, this set will allow to close injectors fuel inlet directly on the common rail. The purpose of this operation is to identify if an injector is leaking or not
- Works for 3, 4, 5 and 6 cylinders engines
- Kit includes 6x M12x150 plugs and 6x M14x150 plugs



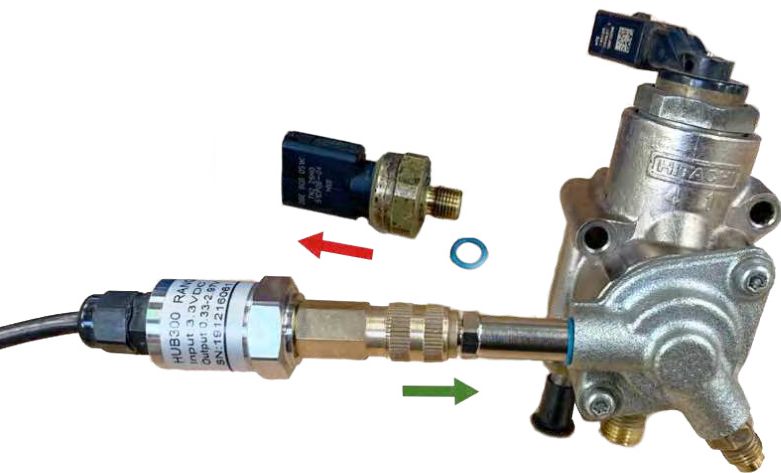


**NEW**

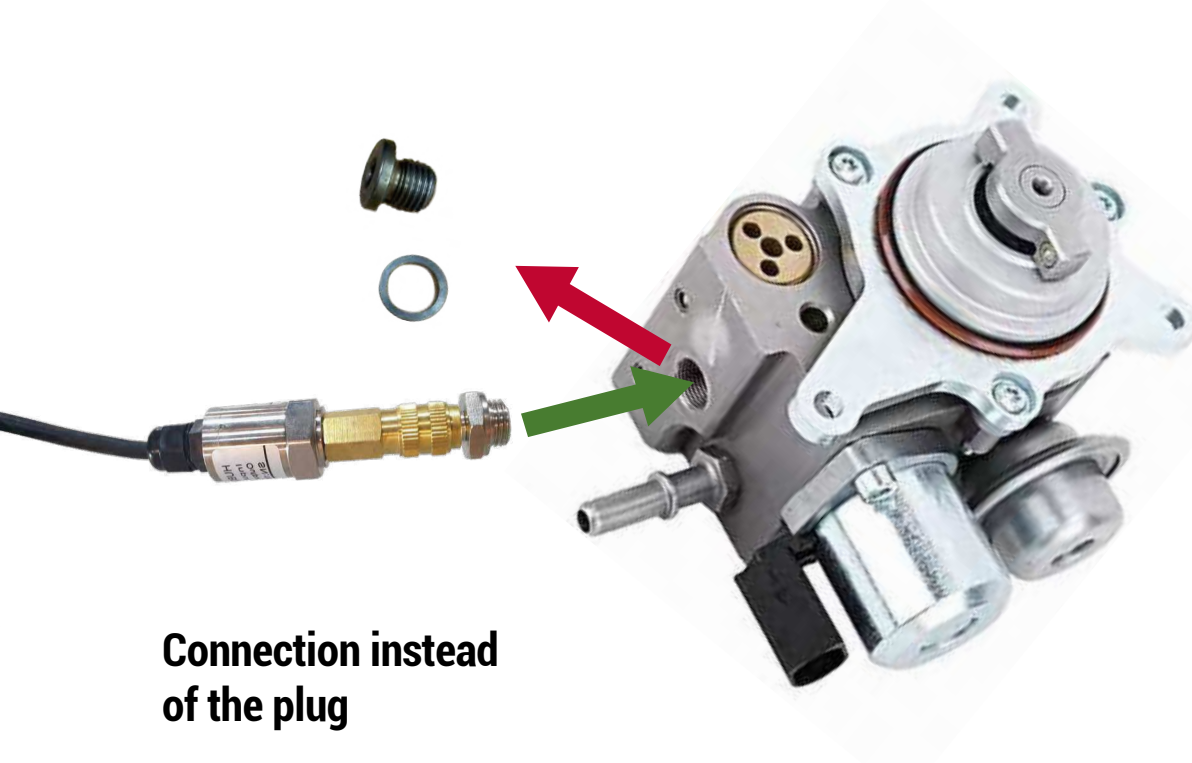
# GASOLINE HIGH PRESSURE ADAPTERS

**HU35029**

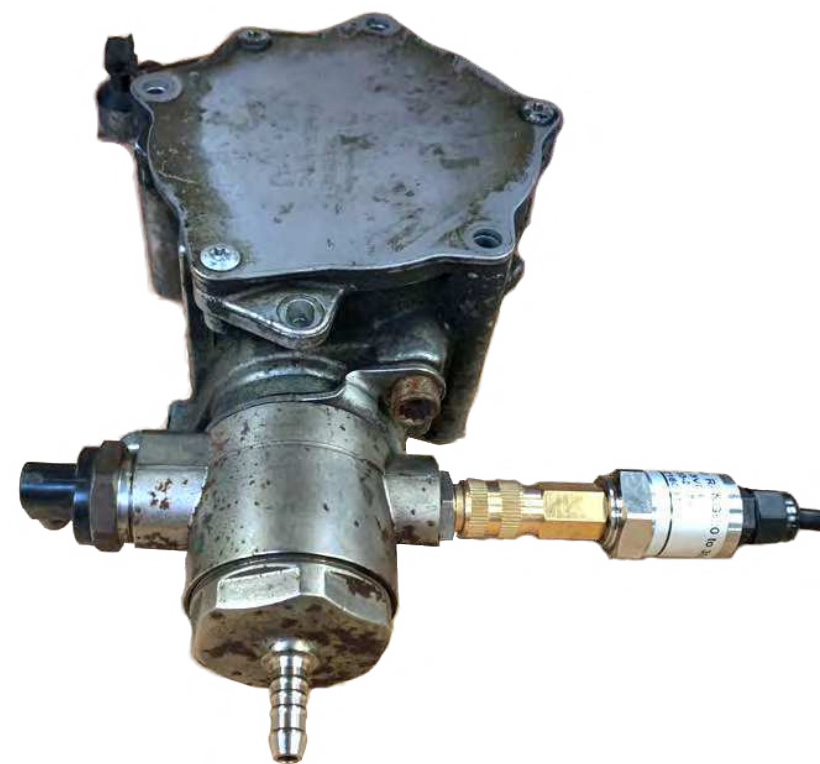
- This Kit allows, using the 0-300bars sensor included in the HU35025, to test the Gasoline High pressure of most popular gasoline (Petrol) engines (FSI, TFSI, TCe, T-Jet, Etc.) Both using the sensor location or the dedicated plug location
- Kit includes the following adapters :
  - HP1 = M12x150
  - HP2 = M12x125
  - HP3 = M14x150
  - HP4 = M10x100
  - HP5 = M8x100



**Connection instead of the sensor**



**Connection instead of the plug**



**Connection instead of the fuel pipe**







# ENGINE & TURBO OIL PRESSURE ADAPTERS SET(15 PCS)

**NEW**
**HU35033**

This Kit allows, using the 0-300bars sensor included in the HU35025, to test the Engine & Turbo Oil Pressure of most popular engines

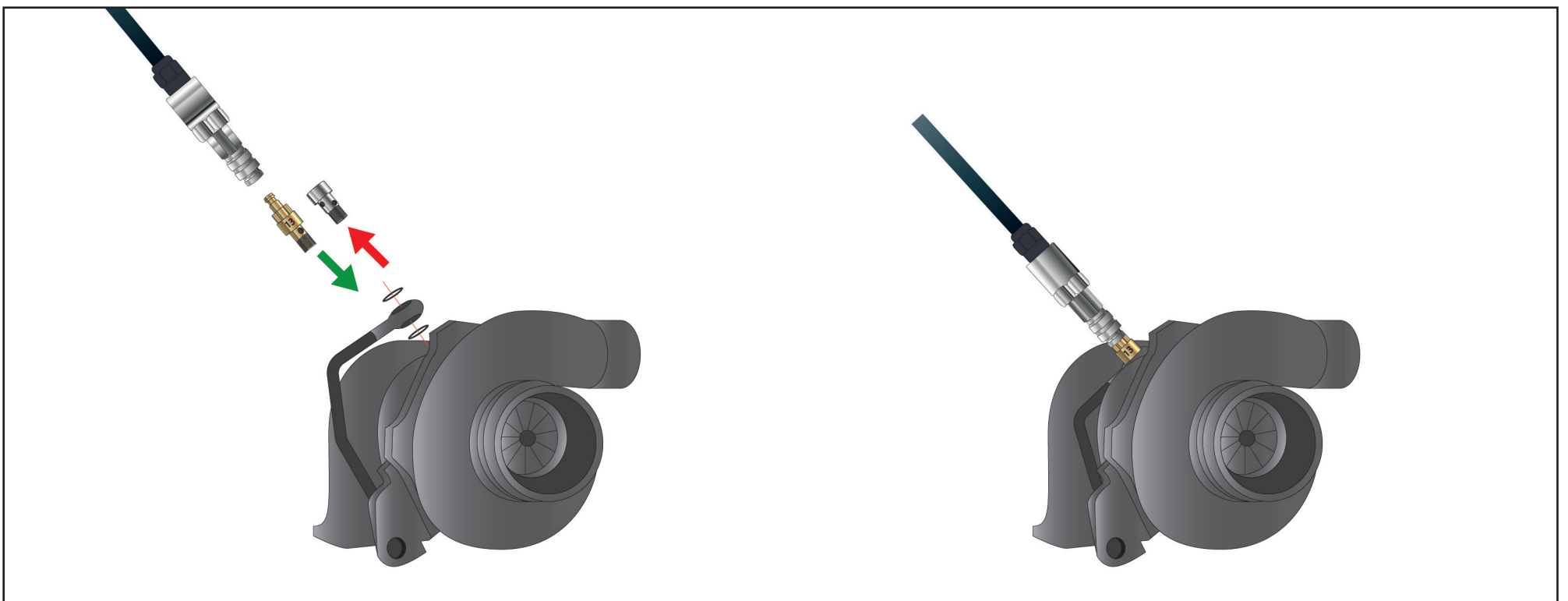
10 x adapters to fit most of the Oil Pressure Sensor

4 x adapters fit the most Turbo Banjo

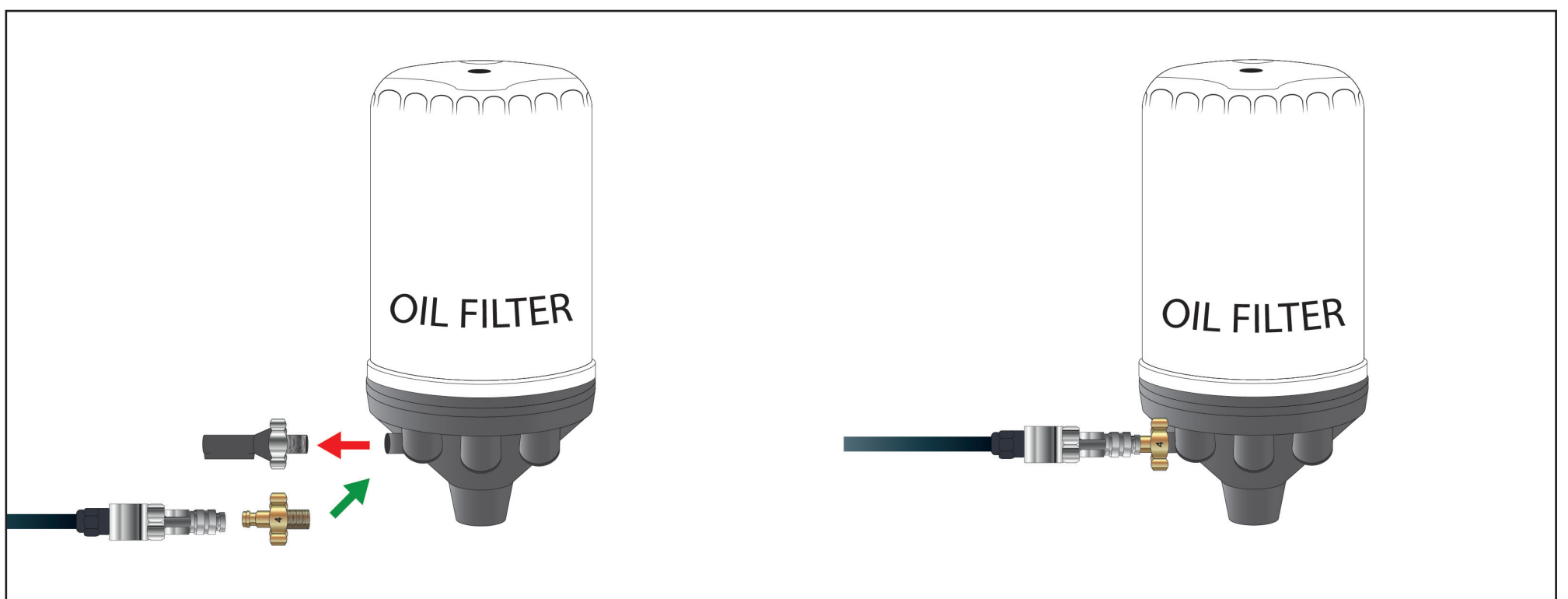
1 x 90° quick connector



## TURBO BANJO LOCATION



## SENSOR LOCATION





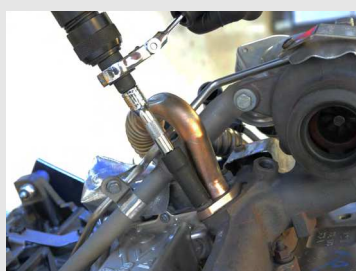
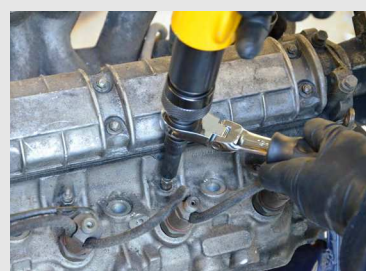
## VIBROSHOCK

**HU41045**

- Vibroshock is the ideal tool to untighten frozen screws, nuts or glow plugs without any damage
- To be used with an Air-hammer (not included)
- APPLICATIONS: brake screws, exhaust screws, rounded lugs, glow plugs, clamp-on injectors...

### Kit includes:

- Vibro-shaft with 3/8" square drive
- Articulated wrench
- 7 impact sockets with internal edge



## BROKEN GLOW PLUG TIPS KIT M8, M9 & M10

**HU41050**

- Easy to use in hard to reach places
- Enables broken glow plug tips stuck in the cylinder head to be easily removed
- The kit comprises 4 easily identifiable guides
- The tap, drill bit and extractor holders are fitted to the body of the original plug and slide in instead for perfect centering
- Self-centering industrial taps
- The size of the drill bits and the shoulder of their holder prevents any risk of drilling or tapping too far into the cylinder head without prior measurement
- In the event of the tips being flared in the cylinder head, the kit has an ejector that enables the tip to be pushed back into the cylinder before retrieving it with the appropriate magnet included in the kit
- Easy 4 steps operation



- 1 = M8 x 100
- 2 = M9 x 100
- 3 = M10 x 100
- 4 = M10 x 125



## REMOVES BROKEN TIPS

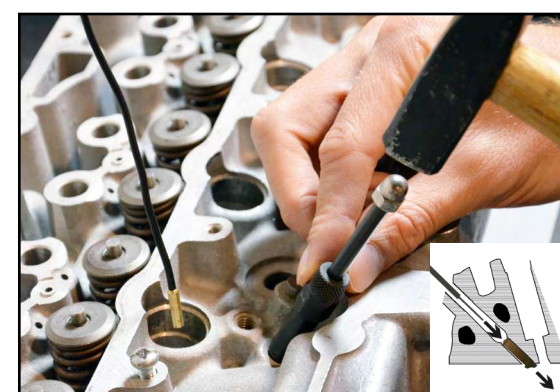


SELF-CENTERING TAP



STOP BLOCK

-> NO MEASURING NEEDED



PUNCH FOR FLARED TIPS



## UNIVERSAL DIESEL GLOW PLUG PULLER M8, M10X100, M10X125

### HU41051

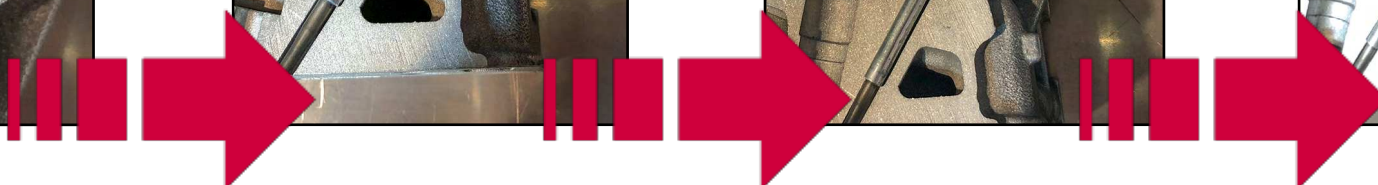
- Minimal space needed for use : Ideal when glow plug compartment is not easily reachable
- Enables glow plugs broken in the top of the cylinder head to be easily removed without any damage
- Usable in narrow engine bay and engine with glow plugs on the firewall's side
- High quality material for professional use !
- Easy to use :
  - The kit includes 1 electrode puller and 1 electrode reinforced drill with 2 guides
  - It includes 2 special centered mills with one mill support that prevent any damage to the head
  - A tap and a slide-hammer extractor to pull out the broken glow plug
  - 3 refreshing taps : M8 , M10x100 & M10x125 with Hex Drive to be used with any ratchet and self centering feature
- Unique design of Electrode puller to tear out the longest part of the electrode as possible



### SPECIAL CENTERED MILLS



### MINIMAL SPACE NEEDED FOR USE





# GLOW PLUG THREAD REPAIR KIT M8, M9, M10X100, M10X125

**HU41058**

- This kit is designed to repair the engine glow plug threads M8x100, M9x100, M10x100 & M10x125 quickly, professionally and permanently. It fits perfectly modern vehicles with very little space and access to glow plugs
- Each tool (reamers & Taps) is self-guided !
- No need for glue or thread seal
- Ream ! Tap ! And replace !

### The kit includes :

- 2 Cylinder head reamers: 9mm et 11mm
- 4 Special taps 4 mounting tools
- 4 Spare Thread repair inserts of each size M8 x 100 (short & long) ; M9 x 100; M10 x 100: M10 x 125

Spare Thread inserts available separately (see below)



**REAM**



**TAP**



**REPLACE WITH INSERT**



**EACH TOOL IS SELF-GUIDED**



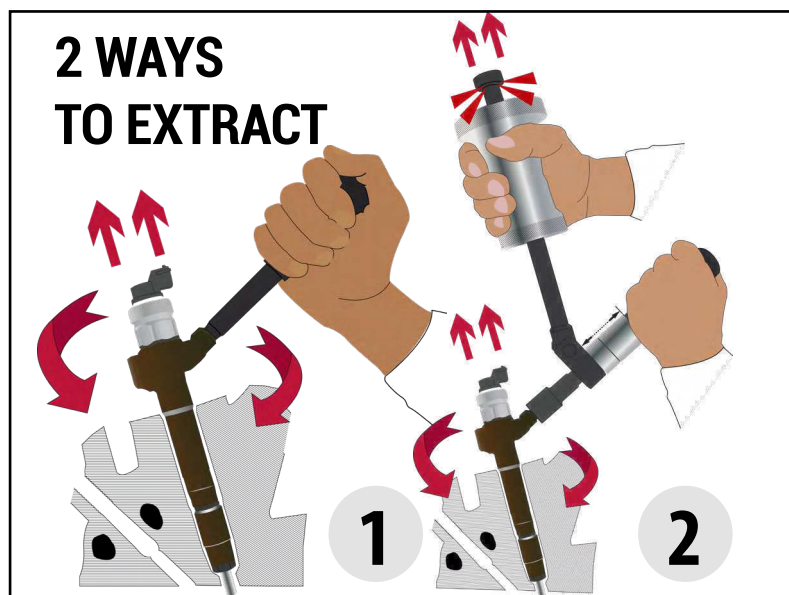
**EACH TOOL IS HEX-DRIVEN**



# UNIVERSAL INJECTOR EXTRACTOR

**HU41055**

- Single universal kit that enables all types of moderately frozen injectors to be removed without removing the electrical part, even on the latest vehicles
- For Denso, Siemens Bosch and Delphi common rail or piezo injectors from 1999 till today
- Avoids having to remove the electrical part of the injector and thus avoid significant additional costs due to an extremely strong threaded shaft of the same size as the diesel oil inlet coupling to which the extractor is attached
- The kit also includes two couplings (M12 and M14) in the event that the original coupling cannot be removed
- Two ways of extracting the injector:
  - by rotating (handle)
  - by rotating AND axial extraction (mass to inertia) in the most difficult cases



**EASILY EXTRAC  
ALL STUCK INJECTORS**



**RUSTED**

**CARBONIZED**



**DENSO, BOSCH, DELPHI, SIEMENS**

**COMMON RAIL & PIEZO INJECTORS**

**COMPATIBLE CARS 1999 > TODAY**



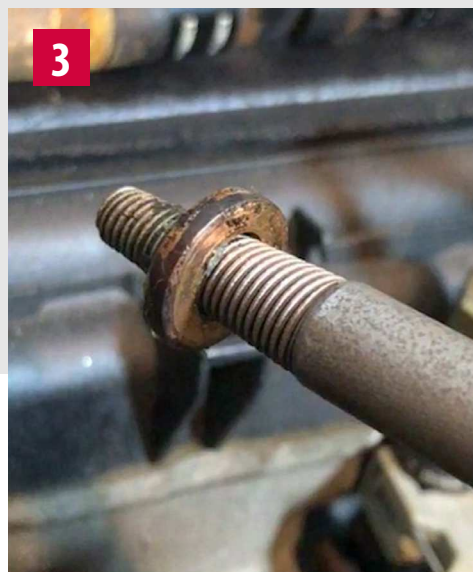
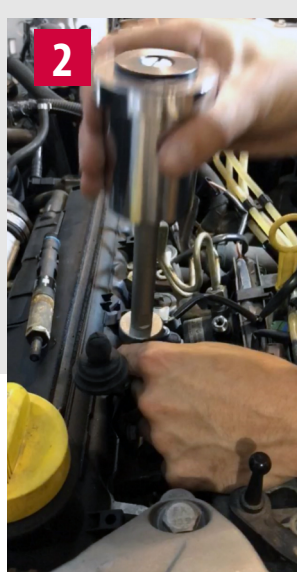
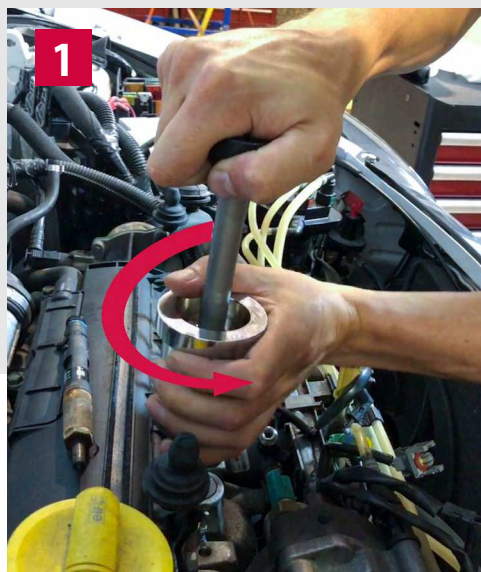
**UNIVERSAL**



## DIESEL INJECTOR SEAL EXTRACTOR

**HU41010**

- Removal of diesel injector seal that is completely clogged and stuck in the housing
- Slide hammer of 1000 grams to remove the most difficult seals
- Integrated hexagonal socket in the slide hammer to screw the extractor into the seal (left-handed thread)
- Conical remover with double thread entry
- Provided with two removers: One for light vehicles (LV) and the other for light utility vehicles (LUV)
- No risk of parts dropping into the cylinder
- No adjustment
- Very easy to use
- Very quick
- High quality equipment for professional use

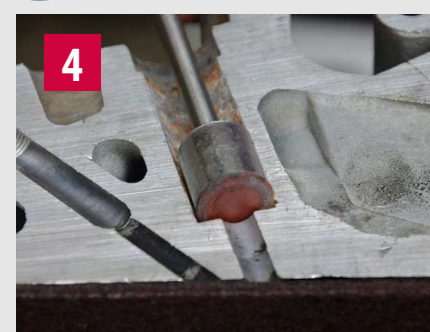
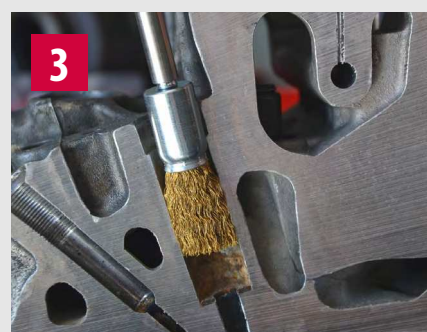
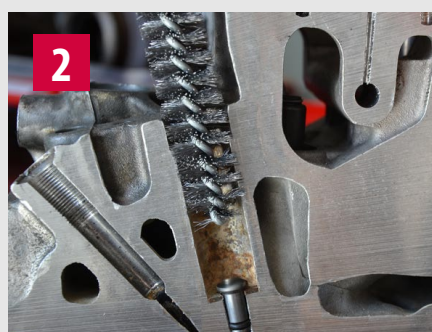


## UNIVERSAL INJECTOR SEAT CLEANING SET

**HU41039**

**Kit includes :**

- 2 metal brushes Ø 20mm and 25mm for injector hole cleaning
  - 2 front brushes for injector seat cleaning
  - 1 front brush extension
  - 2 seal plugs to close the injector hole while cleaning
  - 1 seal plug holder to place and remove the plug
  - a sanding kit (paper and paper support)
- This set will allow the technician to make a perfect job before placing the new injector !
  - Cleaning the injectors holes after the extraction is extremely important





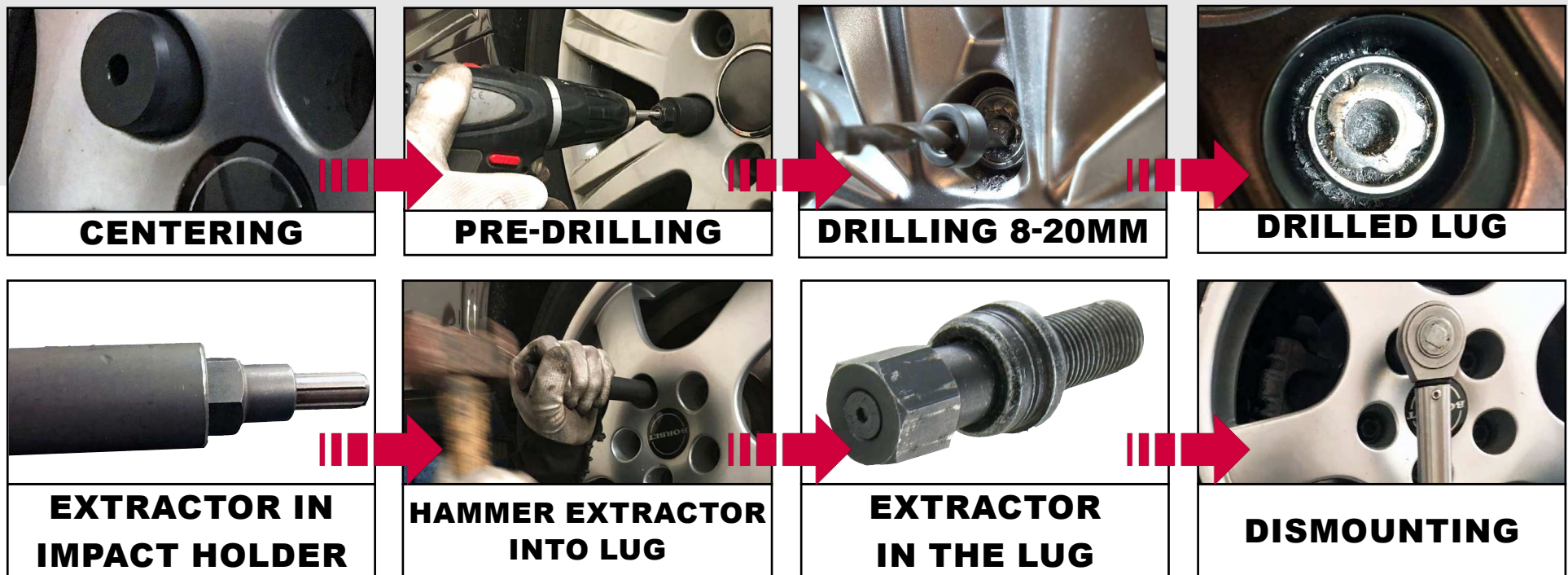
# LUGDRILLER: LOCKING LUG NUT REMOVAL KIT

**HU42025**

- The Lugdriller™ is the Ultimate tool to remove the most difficult locking lug nuts in the quickest and safest way. Over the years the locking lug nuts have been dramatically improved. Their design is more and more complex and the material itself harder and harder. Problems with damaged lug nuts or keys are wellknown in the tire repair shops business.
- Professional kit : made of solid material that can work on the hardest lugs
- Removes the most difficult locking lug nuts
- Very easy and quick to use : +/- 8 minutes per wheel only!

**UNIVERSAL :**

- Works on all types of sockets from any brand
- Also works on all modern cars with oddly shaped lugs
- Also works on damaged lugs



# SILENT TYRE VALVE DEFLATOR

**HU43012**

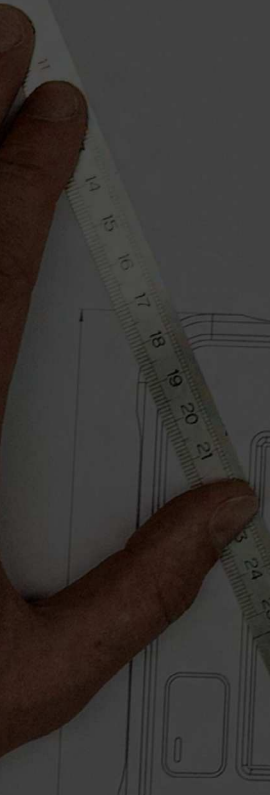
- Deflating operation by unscrewing the tire valves (Car, Truck, bus) exposes technicians to noises that can lead to deafness
- The Silent Tire Deflator patented by INRS allow to reduce noises emissions during tire deflation .

**Features:**

- The Silent tire Deflator is equipped with a filter cartridge that reduce the noise from 115db to 85db!
- His retractable screwdriver allow the technician to dismount easily and with one hand only the tire valve
- Furthermore the use of this avoid the ejection of the valve during its dismounting







**Hubitools**  
INNOVATIVE TOOL EXPERTS

www.hubitools.com  
customer.service@hubitools.com  
13 Rue de la Station, 1300 Wavre Belgium  
+32 (0)10 42 03 85