

# **GLOBAL DIESEL**

**Diesel System Parts**

**Unit Pump/Injector System**

[www.global-diesel.com](http://www.global-diesel.com)

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# Unit Pump/Injector Repair Kit



We have designed this kit for technically correct repairing of pumps/injectors and to provide the fastest process. Thus, we have presented the best solution to the diesel services. Diesel services save a lot of time due to this kit. There is a video about using of this kit on QR-Code. Using is quite easy and simple as shown in video.



Three **hole correction tools** are included in this kit. Hole correction tool diameter changes by movement of screws on tool. Don't need to hit to change the diameter. In this case, tool surface remains intact and tool life would be more. Hole correction tool's minimum diameter is 6.995 mm, maximum diameter is 7.100 mm.



Three types of **angled surface correction tools** which are coarse (single fascia), medium (double fascia), finish (three fascia). You can choose according to abrasion. When you use these tools (hole correction and angled surface correction), the pump/injector will be like "Y". Hole and angled surface will be homocentric. Angled surface correction tools are adjustable in range of  $\text{Ø}6,995$  mm to  $\text{Ø}7,045$  mm.

Upper diameters of this tool and angled surface correction tools of Detroit are optional requested products.



After correcting the angled surface, we grind the valve from the length so as to counteract the approach of the valve coil. We don't make any process to magnetic plate or any other to anywhere for adjusting. Because, If you make any process to anywhere for adjusting to gap between valve and coil, excluding valve length, the pump/injector will be disrupt. Pump/Injector won't work like the old. We just grind to length of valve by using **grinder**.



**Detroit Diesel Unit Injector control tools.** This is optional requested product set.



**GD Code: 012 00B**  
EUI/EUP Valve



**GD Code: 012 00S**  
EUI Valve



**GD Code: 012 00M**  
EUP Valve



**GD Code: 052 00D**  
Detroit EUI Valve



**GD Code: 012 402**  
EUP Roller



**GD Code: 012 628**  
EUP Roller



**GD Code: 012 AAP**  
EUP Adjustable Plug



**GD Code: 012 SAP**  
EUI Adjustable Plug



**GD Code: 012 0SP**  
EUP Spring

Our valves are double staged like original ones. You can see it by magnifying glass or microscope. Because, it is a little detail. That property provides less fuel consumption and more powerful pumps. Detroit EUI Valves don't have double stage, their design is different than the others.

The rollers are produced in a way that do not damage to eccentric into the engine. Middle of roller is higher than its corner so that only single point touches to eccentric. Also, there is a single point abrasion. In this case, diesel services can notice the trouble before eccentric is damaged.

Adjustable plugs have designed for BIP adjustment quickly. No need to grind plugs or do other things. Like repair kit, adjustable plugs provide to save a lot of time for diesel services.

# Unit Pump/Injector Valves

012 00B - EUI/EUP VALVE					
Lip Thickness Diameter	+0,01	+0,03	+0,06	+0,09	+0,12
Ø6,997	✓	✓	x	x	x
Ø7,000	✓	✓	x	x	x
Ø7,005	✓	✓	✓	x	x
Ø7,010	✓	✓	✓	✓	✓
Ø7,015	✓	✓	✓	✓	✓
Ø7,020	x	✓	✓	✓	✓
Ø7,025	x	✓	✓	✓	✓
Ø7,030	x	✓	✓	✓	✓
Ø7,035	x	x	✓	✓	✓
Ø7,040	x	x	✓	✓	✓
Ø7,045	x	x	✓	✓	✓
Ø7,050	x	x	✓	✓	✓
Ø7,055	x	x	✓	x	x
Ø7,060	x	x	✓	x	x
Ø7,065	x	x	✓	x	x
Ø7,070	x	x	✓	x	x
Ø7,075	x	x	✓	x	x
Ø7,080	x	x	✓	x	x
Ø7,085	x	x	✓	x	x
Ø7,090	x	x	✓	x	x

012 00S - EUI VALVE (SCANIA & IVECO)				012 00M - EUP VALVE (MACK)			
Lip Thickness Diameter	+0,01	+0,03	+0,06	Lip Thickness Diameter	+0,01	+0,03	+0,06
Ø6,997	x	✓	x	Ø6,997	x	✓	x
Ø7,000	x	✓	x	Ø7,000	x	✓	x
Ø7,005	x	✓	x	Ø7,005	x	✓	x
Ø7,010	x	✓	x	Ø7,010	x	✓	x
Ø7,015	x	✓	x	Ø7,015	x	✓	x
Ø7,020	x	✓	x	Ø7,020	x	✓	x
Ø7,025	x	✓	x	Ø7,025	x	✓	x

052 00D - EUI VALVE (DETROIT)			
Lip Thickness Diameter	+0,01	+0,03	+0,06
Ø6,980	✓	✓	x
Ø6,985	✓	✓	x
Ø6,990	✓	✓	x
Ø6,995	✓	✓	x
Ø7,000	✓	✓	x
Ø7,005	x	✓	x
Ø7,010	x	✓	✓
Ø7,015	x	✓	✓
Ø7,020	x	✓	✓
Ø7,025	x	✓	✓

\* Lip thickness is a compensation of abrasion which occurs from angled surface correction.



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