



A collection of various industrial components, including a large threaded rod, a smaller rod with a nut, several washers, a spring, a small ring, and a large flange, arranged on a blue surface.

## F00VC09823 Injector Repair Kit Technical Instruction

1. F00VC09823 Injector Repair Kit Introduction .....	2
1.1. F00VC09823 Injector Repair Kit Basic Information .....	2
1.2. F00VC09823 Injector Repair Kit Common Part Number .....	2
1.3. F00VC09823 Injector Repair Kit Parameters .....	2
1.4. F00VC09823 Injector Repair Kit Specifications And Dimensions .....	2
1.5. F00VC09823 Injector Repair Kit Quality Control .....	2
1.6. F00VC09823 Injector Repair Kit Customization Service .....	3
1.7. F00VC09823 Injector Repair Kit Parts List And Packaging Size .....	3
1.8. F00VC09823 Injector Repair Kit Testing Standards and Certificates .....	5
1.9. F00VC09823 Injector Repair Kit Warranty Instructions .....	6
1.10. F00VC09823 Injector Repair Kit Manufacturer .....	7
2. F00VC09823 Injector Repair Kit Technical Support .....	7
2.1. F00VC09823 Injector Repair Kit Installation Precautions .....	7
2.2. Reasons for F00VC09823 Injector Repair Kit Not Working Normally .....	8
2.3. Causes of F00VC09823 Injector Repair Kit Being Damaged .....	8
2.4. F00VC09823 Injector Repair Kit Storage Standards .....	9
2.5. F00VC09823 Injector Repair Kit Technical Support Obtaining Methods .....	9
3. F00VC09823 Injector Repair Kit Purchase And Delivery .....	10
3.1. F00VC09823 Injector Repair Kit Purchase And Payment Term .....	10
3.2. F00VC09823 Injector Repair Kit Main Sales Markets .....	10
3.3. F00VC09823 Injector Repair Kit Declaration Requirements .....	10
3.4. F00VC09823 Injector Repair Kit Shipping Ways .....	10
3.5. F00VC09823 Injector Repair Kit Delivery Time .....	10
3.6. F00VC09823 Injector Repair Kit Logistics Time for Destination Out of China's Areas .....	10
3.7. F00VC09823 Injector Repair Kit Shipping Package .....	11
4. Company Information .....	11
4.1. Company Introduction .....	12
4.2. Contact Information .....	12
5. Copyright Statement .....	13

## F00VC09823 Injector Repair Kit Technical Instruction

### 1. F00VC09823 Injector Repair Kit Introduction

#### 1.1. F00VC09823 Injector Repair Kit Basic Information

Title	F00VC09823 Injector Repair Kit 0445110 Series	Quality
SKU	G1S6F00VC09823	China Made New

#### 1.2. F00VC09823 Injector Repair Kit Common Part Number

##### 1) Injector Repair Kit Applicable Injector Model

Injector Part Number	OE Number	OE Number
0445110823	/	/

##### 2) Injector Repair Kit Matching Information

Vehicle Brand	Car Model	Engine Model	Production Date
/	/	/	/

##### 3) Injector Repair Kit's Common Writing Methods

F00VC09823, F 00V C09 823, F00 VC0 9823, F00VC09 823, F00V C09823, F 00VC09823,

#### 1.3. F00VC09823 Injector Repair Kit Parameters

Injector Repair Kit Adaptation System: [Common Rail System](#)

Injector Repair Kit Series: [0445110 Series](#)

Injector Repair Kit Type: [Electromagnetic](#)

#### 1.4. F00VC09823 Injector Repair Kit Specifications And Dimensions

Injector Repair Kit Size: [14cm\\* 6cm \\*2cm](#)

Single Injector Repair Kit Weight: [140g](#)

Injector Repair Kit With Packaging Weight: [150g](#)

Injector Repair Kit Quality: [China Made New](#)

Injector Repair Kit Packaging Size: [16cm\\* 8cm \\*4cm](#)

Injector Repair Kit Type: [High Pressure Common Rail Injector Repair Kit](#)

Injector Repair Kit Minimum Order Quantity: [4 Pieces](#)

#### 1.5. F00VC09823 Injector Repair Kit Quality Control

##### 1) Injector Repair Kit Testing

All parts of the injector repair kit have undergone electrical characteristics testing, precision testing, high temperature testing, low temperature testing, withstand pressure testing, leakage testing, durability testing, and various working conditions testing.

##### 2) Injector Repair Kit Installation

In addition, the injector repair kit production and installation process is quality controlled. Our company strictly follows the standard product installation data and product installation steps for installation,

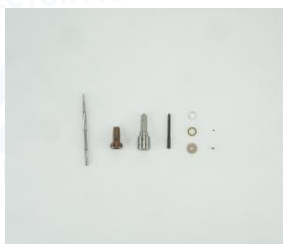

such as injector repair kit stroke test, injector repair kit solenoid valve tightening torque, injector repair kit nozzle tightening torque.

### 3) Injector Repair Kit Inspection

The factory inspection of the injector repair kit has undergone three inspections: full inspection, random inspection, and batch inspection. Different brands of test benches are used to test the same injector repair kit for more than three times for factory inspection, and the fuel injector installation testing environment are progressed in dust-free workshop.

#### 1.6. F00VC09823 Injector Repair Kit Customization Service

1) **Injector Repair Kit Customization Service Coverage:** Meet OEM manufacturers' customization needs for shell engraving, logo engraving, injector repair kit internal packaging, injector repair kit external packaging and labels, etc.

NO.	1	2
Picture		
Name	Injector Repair Kit Assy	Injector Repair Kit Packaging

#### 2) Injector Repair Kit Customization Service Requirements:

The purchase quantity of customized [injector repair kit](#) is not less than **10 pieces**.




The purchase quantity of customized [injector repair kit boxes](#) is not less than **1000 pieces**.

⚠ When the customized products involve the need of specify logo, the OEM manufacturer is asked to provide trademark authorization and the sample of logo image file.




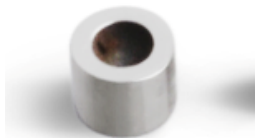
⚠ Once the customized injector repair kit is sold, it can't be returned or exchanged if there is no quality problems.

#### 1.7. F00VC09823 Injector Repair Kit Parts List And Packaging Size

##### 1) Injector Repair Kit Parts List

NO.	1	2	3
Picture			
Name	Injector Repair Kit Assy	Repair Kit	Injector Nozzle Assy



<b>Description</b>	Injector repair kit assy number: <b>F00VC09823</b>	Ensure the sealing performance meets the standard Model: F00VC99002 Black hemisphere: 1.50mm	Engrave number: DLLA145P2573 Order Number: 0433172573
<b>NO.</b>	4	5	6
<b>Picture</b>			
<b>Name</b>	Valve Assembly	Lining	White Anti-Rust Bag
<b>Description</b>	Valve assembly part number: F00VC01359	Place repair kit accessories	Prevent accessories from rusting
<b>NO.</b>	7	8	9
<b>Picture</b>		/	/
<b>Name</b>	Ball Seat	/	/
<b>Description</b>	The six-cylinder ball seat model : F00VC21002	/	/

⚠ Minors are prohibited from using the injector repair kit assembly, O-ring, nozzle protective cover, injector repair kit shell protective cover, oil return protective cover, VCI anti-rust bag, and bubble bag to avoid personal injury.

⚠ O-rings and nozzle washer shim are one-time installation accessories and need to be replaced when installed again.

⚠ The nozzle protective cover, injector repair kit shell protective cover, and oil return protective cover are recyclable accessories and can be reused.

⚠ VCI anti-rust bags and bubble bags are non-degradable materials, please dispose of them properly after using.

⚠ The injector repair kit and the installation part duct must be treated with appropriate sealing oil during installation.

## 2) Injector Repair Kit Packaging Box Size



Pic No.1

NO.	Name	Injector Repair Kit Packaging Size (cm)
1	Injector repair kit packaging box	16*8*4

### 1.8. F00VC09823 Injector Repair Kit Testing Standards and Certificates

We can provide the factory quality inspection test report of each injector repair kit to ensure that each injector repair kit delivered meets the engine performance indicators.

BOTEN		测试报告		4.05.2019 10:42:09	
企业名称: _____					
电话: _____		地址: _____			
传真: _____		检测人: _____			
客户地址: _____		送检单位: _____			
电话: _____		客户姓名: _____			
传真: _____		检测项目: _____			
检测名称: 燃油系统					
型号-零件号: _____					
检测时间: _____					
检测结果					
检测项目: C05000-0511					
检测项目	检测结果	标准值	单位	检测结果	合格
LEAK TEST:	32	4	g/s	20.0±1.0	✓
Back:	32	4	g/s	20.0±1.0	✓
Wash:	32	12.5±1.5	g/s	20.0±1.0	✗
Max:	28.5	28.5±14.4	g/s	20.0±1.0	✓
TL:	28.4	25.0±8.5	g/s	20.0±1.0	✓
EL:	14.1	15.0±4.8	g/s	20.0±1.0	✓
VE:	6.7	4.0±1.0	g/s	20.0±1.0	✓

Pic No.2

### 1.9. F00VC09823 Injector Repair Kit Warranty Instructions

#### 1) Product Warranty Conditions And Instructions

It is necessary to provide pictures, videos, or test reports tested by the injector repair kit inspection equipment when the injector repair kit is abnormal during use as evidence to feed back to the salesman. Abnormal conditions are properly explained such as: 1.Smoke, 2. Engine shake, 3. Difficulty starting the engine, 4. Engine noise, 5. Oil leakage etc.

#### 2) Injector Repair Kit Warranty Coverage

- ① After customer receives the F00VC09823 injector repair kit within 15 days , if there is a performance failure and the product has no damage on surface, customer can choose to replace it or repair it;
- ② If the F00VC09823 injector repair kit has performance problems during the warranty period (3 months), and it is confirmed to be product's problems after being tested, you can contact our salesmen to replace the same model or a reworked product with the same performance for free;
- ③ If the injector repair kit shell has obvious scratches, it can only be repaired and it will be returned as it is if the product is confirmed to be fault-free.

**⚠ Tips:** For products not covered by warranty, our company can provide paid maintenance services. For products after paid repaired, the same performance problem will have a free warranty period within 3 months from the date of repairing.

#### 3) Injector Repair Kit Is Not Covered By Warranty

- ① The warranty period has expired.

- ② Injector repair kit failure caused by high temperature, high pressure, humidity, rain and snow, saline-alkali land, earthquake, and used in abnormal environment.
- ③ Customer disassembles or repairs the injector repair kit personally resulting in damage to the injector repair kit.
- ④ Injector repair kit damage caused by man-made reasons (throwing, strong magnetic field magnetization, set fire).
- ⑤ Injector repair kit failure or injector repair kit damage caused by non-injector repair kit design, technology, manufacturing, quality and other issues.
- ⑥ Injector repair kit failure due to system pressure exceeding system approved pressure.
- ⑦ Injector repair kit failure caused by system voltage exceeding approved voltage.
- ⑧ Injector repair kit failure caused by impurities (water, lead, aluminum powder, iron powder, sulfide) in the system fuel exceeding the standard requirements.
- ⑨ Injector repair kit failure caused by not installing according to the tightening torque specified in the vehicle engine maintenance manual (the tightening torque is too large or too small).
- ⑩ Injector repair kit failure caused by not following the installation angle specified in the vehicle engine maintenance manual.
- 11 Injector repair kit failure caused by not following the cleaning requirements specified in the vehicle engine maintenance manual.
- 12 Injector repair kit failure caused by failure to replace consumable parts as specified in the vehicle engine maintenance manual.
- 13 Injector repair kit failure caused by not complying with the intake system fit clearance and exhaust system fit clearance requirements specified in the vehicle engine maintenance manual.
- 14 Failure to replace the consumable parts and the fitting clearance of the oil inlet system pipeline and the injector repair kit connection in accordance with the fuel intake system specified in the vehicle engine maintenance manual.

#### **1.10. F00VC09823 Injector Repair Kit Manufacturer**

**Injector Repair Kit Manufacturer:** Shenzhen Shumatt Technology Co., Ltd

## **2. F00VC09823 Injector Repair Kit Technical Support**

### **2.1. F00VC09823 Injector Repair Kit Installation Precautions**

- 1) The replacement of the injector repair kit must strictly follow the electrical system, the approved pressure of the low-pressure fuel intake system, the approved pressure of the high-pressure fuel circuit system, and fuel system replacement consumables requirements (including the low-pressure fuel circuit system filter and the high-pressure fuel circuit) specified in the vehicle engine maintenance manual.
- 2) Replacement of wearing parts of the fuel system, cleaning requirements for the connection between the fuel system and the injector repair kit, the fitting clearance of the injector repair kit connection, the installation angle and tightening torque of the injector repair kit, the fitting clearance of the intake system, and the fitting clearance of the exhaust system to ensure the service life of the engine and the normal operation of the injector repair kit.
- 3) When installing the injector repair kit on the engine, it is necessary to clean the engine block, cylinder head and other parts connected to the injector repair kit, and ensure that there is no dust, carbon deposits, water, rust spots, etc.
- 4) Before installing, check whether the injector repair kit washer shim has been replaced and installed on the injector repair kit.



- 5) When installing the injector repair kit, apply lubricant between the injector repair kit, fuel nozzle sealing washer shim and O-ring.
- 6) Without replacing new washer shim can lead to: deformation of the tight cap of nozzle, deformation of nozzle, deformation of nozzle orifice, oil leakage and air leakage, which will cause serious damage to the injector repair kit and nozzle to break and cause damage to the engine.
- 7) When installing the injector repair kit on the engine, please carefully check the components related to the installation of the injector repair kit, such as the injector repair kit pressure plate, screw, injector repair kit rod and other accessories are not deformed, and install it in strict accordance with the operation steps of the engine maintenance manual.
- 8) It is forbidden to operate the bare injector repair kit for a long time in an environment with serious dust pollution and corrosion to iron products.
- 9) It is forbidden to operate the bare injector repair kit for a long time in a strong magnetic field environment.

## 2.2. Reasons for F00VC09823 Injector Repair Kit Not Working Normally

- 1) There is air in the oil circuit of the engine fuel system.
- 2) Vehicle injector repair kit oil supply system is not normal.
- 3) Engine common rail system oil leakage or pressure limiting valve damage.
- 4) There is a short circuit, cutting out and poor contact in the wiring harness connected to the injector repair kit of the vehicle.
- 5) The long-term placement of the injector repair kit causes the anti-rust oil to solidify, and the internal components are stuck or the oil holes are blocked.

**⚠ Before installing, carefully check whether other components in the common rail system are damaged so as to prevent the injector repair kit from not working properly after being replaced.**

## 2.3. Causes of F00VC09823 Injector Repair Kit Being Damaged

- 1) Didn't operate properly according to engine maintenance manual during disassembly or installation, resulting in damage to the injector repair kit .
- 2) The fuel oil used for the vehicle does not meet the standard cause damage to the injector repair kit, such as: the water content in the fuel oil exceeds the standard, iron powder, aluminum powder, sulfide impurities exceed the standard, etc.
- 3) The engine is not regularly maintained according to the engine maintenance manual (please refer to the vehicle maintenance manual for the maintenance mileage). For example, failure to replace the lubricating oil of the engine system for a long time will cause abnormal wear of the engine, excessive exhaust gas volume or a large amount of carbon deposits inside the engine. The filter is not replaced during maintenance or the replaced filter cannot reach the original filter standard. all above reasons can cause damage to the injector repair kit.
- 4) The abrasion of the oil pump produces iron powder and aluminum powder enter the injector repair kit and cause damage to the injector repair kit.
- 5) The deformation and abrasion of fuel tank result in iron powder or aluminum powder entering the injector repair kit and causing damage to it.
- 6) The injector repair kit is damaged due to replacement or adjustment of the relevant parts of the injector repair kit. For example, the valve clearance does not meet the standard after the engine is repaired, the replacement or modification of the wiring harness connected to the injector repair kit fails to meet the original standard.

- 7) The engine is overheated and overloaded for a long time working results in damage to the injector repair kit.
- 8) The injector repair kit will be damaged naturally at the end of its working life.
- 9) The injector repair kit is magnetized (injector repair kit parts' magnetic exceeded) causing the injector repair kit to not work properly.

**⚠ Before replacing the injector repair kit, please check the engine parts carefully according to the engine maintenance manual to avoid the injector repair kit being damaged again after replacement.**

#### 2.4. F00VC09823 Injector Repair Kit Storage Standards

##### 1) Choose a Suitable Storage Place

The warehouse and cargo yard where the injector repair kits are stored should be kept clean and dry, and away from the factory buildings that generate harmful gases and dust; do not mix with acid, alkali, salt and other substances; the storage place should have a good drainage system; the cargo yard should be flattened with gravel or furnace ash etc. to enhance the water permeability of the surface layer to keep the reservoir area dry.

##### 2) Strict Storage Requirements

Strict inspections should be carried out when the injector repair kits are put into storage, the surface cleaning work should be done well to remove water traces, oil stains, ash and other dirt, remove the rust and do anti-rust treatment in time. Packaged injector repair kits must be protected from damage.

##### 3) Keep The Warehouse Dry And Do Moisture-proof Work

The relative humidity is usually below 70% for the injector repair kits placed in the room, and the corrosion of the injector repair kits is significantly reduced.

Injector repair kits must be stored in the warehouse, and they are forbidden to store in the same warehouse with commodities with high water content.

##### 4) Stack Properly

After the injector repair kit is exposed to rain, the corrosion rate will increase significantly. The purpose of sealing is to isolate the injector repair kit from rainwater and humid air, so the warehouse window should be checked in time to avoid rainwater entering the warehouse.

If the injector repair kit package is damaged, it should be repaired or replaced; when the package is damp, the packaging material should be dried; if the original anti-corrosion and oil applied at the factory is found to be damaged or dried up, it should be cleaned and re-applied oil in time.

**⚠ It is forbidden to leave the injector repair kit exposed in the air for a long time.**

**⚠ It is forbidden to store acid, alkali, salt and other substances together with the injector repair kit.**

**⚠ The unpacked injector repair kit must be rust-proof during secondary storage.**

#### 2.5. F00VC09823 Injector Repair Kit Technical Support Obtaining Methods

- 1) Injector Nozzle Technical Data: <https://www.injectorpart.com/download/>
- 2) Injector Nozzle Technical Videos: <https://www.injectorpart.com/videos/>

3) Injector Nozzle Encyclopedia: <https://www.injectorpart.com/category/news/encyclopedia/>

### 3. F00VC09823 Injector Repair Kit Purchase And Delivery

#### 3.1. F00VC09823 Injector Repair Kit Purchase And Payment Term

**Payment Method:** T/T, Paypal, Alipay, WeChat

 **Please contact our salesmen for specific payment information.**

#### 3.2. F00VC09823 Injector Repair Kit Main Sales Markets

**Main Sales Markets Of Injector Repair Kits:** Asia, Europe, North America, South America, Africa etc.

#### 3.3. F00VC09823 Injector Repair Kit Declaration Requirements

We can assist customers to provide the following documents for import customs clearance: contract, invoice, packing list, bill of lading, insurance policy, certificate of origin, etc.

#### 3.4. F00VC09823 Injector Repair Kit Shipping Ways

**Destination in China areas:** SF Express, Debon Express, the corresponding logistics company can be provided according to customer requirements in special cases.

**Destinations out of China's areas:** DHL, UPS, FedEx, TNT air, ocean or other shipping methods required by customers.

#### 3.5. F00VC09823 Injector Repair Kit Delivery Time

**Delivery Time:** Send out within 3 – 7 working days after receiving payment (Except for special products and special cases).

#### 3.6. F00VC09823 Injector Repair Kit Logistics Time for Destination Out of China's Areas

**DHL Logistics Time:**

Country or Region of Departure	Hong Kong, China	Other Countries or Regions of Asia	Australia and New Zealand	Europe	America	Other Countries
China's Mainland	7 Days	7 Days	8 Days	8 Days	8-12 Days	7-10 Days

**UPS Logistics Time: Country or Region of Departure: China's Mainland**

Country of Destination	Estimated Arrival Time	Country of Destination	Estimated Arrival Time	Country of Destination	Estimated Arrival Time
Japan	3 Days	UK	5-7 Days	Egypt	5-7 Days
Turkey	5-7 Days	Singapore	3 Days	Switzerland	5-7 Days
Bahrain	5-7 Days	Latvia	7-10 Days	New Zealand	7-10 Days
Sri Lanka	5-7 Days	Thailand	3 Days	Austria	5-7 Days
Romania	5-7 Days	Vietnam	3-5 Days	Estonia	5-7 Days
Malaysia	3-5 Days	Israel	5-7 Days	Mexico	7-10 Days
France	5-7 Days	America	5-7 Days	United Arab Emirates	5-7 Days
Italy	5-7 Days	Netherlands	5-7 Days	Bengal	7-10 Days
Lebanon	5-7 Days	Philippine	3-5 Days	Greece	7-10 Days
South Korea	3 Days	Spain	5-7 Days	Myanmar	5-7 Days
Canada	5-7 Days	Germany	5-7 Days	Saudi Arabia	7-10 Days
Portugal	5-7 Days	Australia	5-7 Days	South Africa	7-10 Days
Denmark	5-7 Days	Belgium	5-7 Days	Ukraine	7-10 Days



India	7-10 Days	Qatar	7-10 Days	Poland	5-7 Days
Indonesia	3-5 Days	Morocco	7-10 Days	Pakistan	7-10 Days
Kuwait	7-10 Days	/	/	/	/

▲ The logistics time is for reference only, subjects are according to the actual arrival.

### 3.7. F00VC09823 Injector Repair Kit Shipping Package

**Domestic express packaging:** Usually wrapped in waterproof scotch tape.


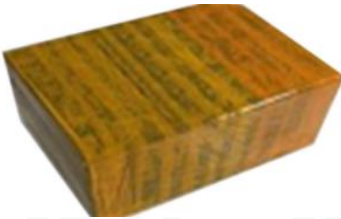

**International express packaging:** Wrapped with waterproof yellow tape after wrapping the black protective film.

**Pallet Shipping:** Use fumigation free and recycling trays that meet export requirements, and use white wrapping protective film to wrap and bind with cable ties for the outside, also, the products can be packaged according to customers' requirements.

▲ The packing tray is made of plastic and can be recycled.

▲ Transparent tape, yellow tape, black wrapping protective film, white wrapping protective film are non-degradable materials, please dispose of them properly.

▲ Minors are prohibited from using transparent tape, yellow tape, black wrapping protective film, and white wrapping protective film to avoid personal injury.

No.	1	2	3
Image			
Name	Domestic Express Packaging	International Express Packaging	Pallet Shipping
Description	Wrapped by transparent tape	Wrapped with yellow tape after wrapping black protective film	Use pallet that meet export requirements, and use white wrapping protective film to wrap and bind with cable ties

## 4. Company Information







Pic No.3


#### 4.1. Company Introduction

 **Mobile Phone/WeChat:** +86-13410541523


 **Hong Kong Mobile Phone:** +852-67653519

 **Tel:** +86-755-23215133

 **Shenzhen Office:** 11-12, Floor 14, Building 13, Qinchengda Building, Exit A, Honglang North Subway Station, Bao'an District, Shenzhen, China Mainland

 **Shenzhen Office:** Exit C, Qiao Touxu Metro Station, No. 66 Chongqing Road, Fuhai Avenue, Bao'an District, Shenzhen, China Mainland

 **Hong Kong Office:** Jianfa Street Industrial Zone, Tuen Mun, New Territories, Hong Kong, China

 **After-Sales Service Address:** Please contact our salesmen to obtain and provide the corresponding product maintenance reasons (Reference: [1.9. F00VC09823 Injector repair kit Warranty Instructions](#) )

#### 4.2. Contact Information

Name	WeChat/ WhatsApp
Ruby	+86-13410541523

## 5. Copyright Statement

All content on [www.injectorpart.com](http://www.injectorpart.com) is sourced from and belongs to Shenzhen Shumatt Technology Co., Ltd. [www.injectorpart.com](http://www.injectorpart.com) has been authorized to use this content. Shenzhen Shumatt Technology Co., Ltd. holds all rights to the "[F00VC09823](#) Injector repair kit Technical Instruction." Any reproduction, distribution, or public display of this material must clearly acknowledge Shenzhen Shumatt Technology Co., Ltd. as the source. Unauthorized use or failure to comply with these conditions will constitute a violation of the "Copyright Law of the People's Republic of China" and other relevant international laws and regulations.