

F00VC05008 Injector Steel Ball Technical Instruction

SKU1: G1W2F00VC05008

SKU2: G1Y1F00VC05008



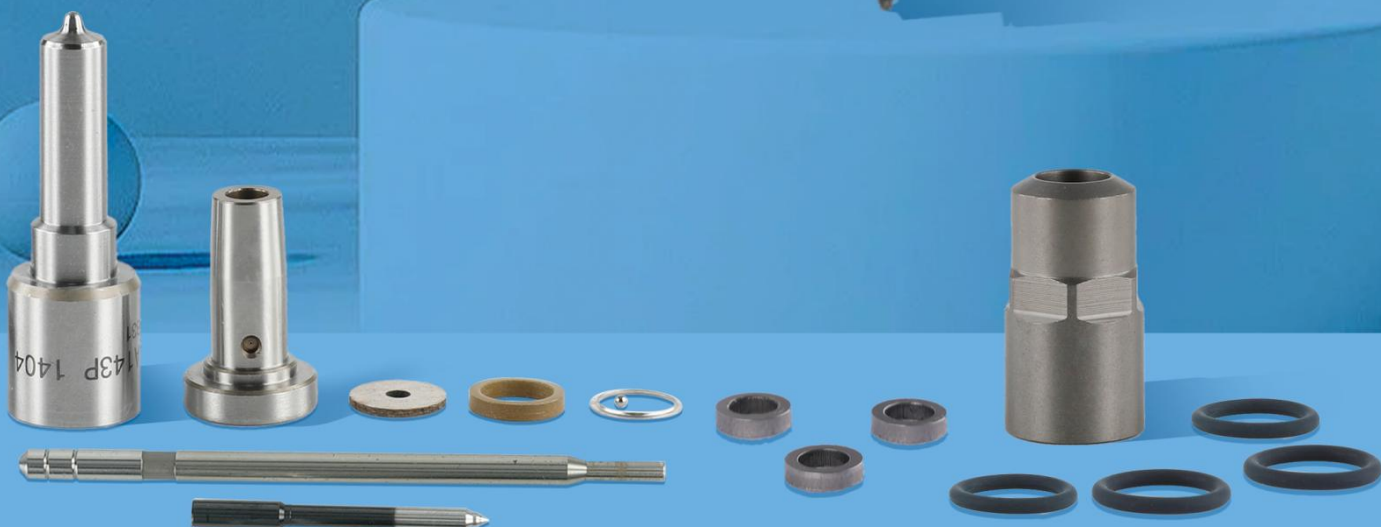
COMMON RAIL — INJECTOR PART

SKU1: G1W2F00VC05008

SKU2: G1Y1F00VC05008



COMMON RAIL INJECTOR PART



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F00VC05008 Injector Steel Ball Technical Instruction

1. F00VC05008 Injector Steel Ball Introduction

1.1. F00VC05008 Injector Steel Ball Basic Information

Title	F00VC05008 Injector Steel Ball	Quality
SKU1	G1Y1F00VC05008	China Made New
SKU2	G1W2F00VC05008	China Made New

1.2. F00VC05008 Injector Steel Ball Common Part Number

1) Injector Steel Ball Matching Information

Injector Part Number	OE Number	Car Model	Engine Model	Pressure (bar)
0445110054	611 070 11 87	MERCEDES-BENZ	OM 646.951	1,600
0445110055	611 070 11 87	MERCEDES-BENZ	/	/
0445110075	96 386 523	CITROEN	8H...	/
0445110077	/	/	/	/
0445110078	/	VOLVO	D5244T3	1,600
0445110082	8-97262-559-1	ISUZU	/	/
0445110085	/	/	/	1,600
0445110118	97300091	VAUXHALL	Z 17 DTL	/
0445110122	13 53 7 788 954	BMW	39 8D 1	/
0445110128	648 070 00 87	MERCEDES-BENZ	/	/
0445110129	648 070 00 87	MERCEDES-BENZ	/	/
0445110131	13 53 7 789 661	BMW	/	1,600
0445110134	82 00 121 637	RENAULT	/	/

2) Injector Steel Ball's Common Writing Methods

F00VC05008, FOO VC 00008, F 00V C00 008, F OOV C00 008, F00V C00 008, FOOV C00 008, FOOVC00 008, F 00V C00008, F OOV C00008, F 00VC00008, F OOV C00008, F OOV C00008, FOOVC00008,

1.3. F00VC05008 Injector Steel Ball Parameters

Injector Steel Ball Adaptation System: [Common Rail System](#)

Injector Steel Ball Series: [0445110/0445120 Series](#)

Injector Steel Ball Type: [Electromagnetic](#)

1.4. F00VC05008 Injector Steel Ball Specifications And Dimensions

Injector Steel Ball Size: [3cm*2cm *1 cm](#)

Single Injector Steel Ball Weight: 0.02g

Injector Steel Ball With Packaging Weight: 2g

Injector Steel Ball Quality: [China Made New](#)

Injector Steel Ball Packaging Size: 7 cm *5 cm *1 cm

Injector Steel Ball Type: [High Pressure Common Rail Injector Steel Ball](#)

Injector Steel Ball Minimum Order Quantity: 100 pieces

1.5. **F00VC05008** Injector Steel Ball Quality Control

1) **Injector Steel Ball Testing**

All parts of the injector steel ball 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 Steel Ball Installation**


In addition, the injector steel ball 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 steel ball stroke test, injector steel ball solenoid valve tightening torque, injector steel ball nozzle tightening torque.

3) **Injector Steel Ball Inspection**

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

1.6. **F00VC05008** Injector Steel Ball Customization Service

1) Injector Steel Ball Customization Service Coverage: Meet OEM manufacturers' customization needs for shell engraving, logo engraving, injector steel ball internal packaging, injector steel ball external packaging and labels, etc.

NO.	1
Picture	
Name	Injector Steel Ball Label

2) **Injector Steel Ball Customization Service Requirements:**

The purchase quantity of customized [injector steel ball](#) is not less than 10 pieces.



The purchase quantity of customized [injector steel ball 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 steel ball is sold, it can't be returned or exchanged if there is no quality problems.

1.7. F00VC05008 Injector Steel Ball Parts List And Packaging Size

1) Injector Steel Ball Parts List

NO.	1	2	3
Picture			/
Name	Injector Steel Ball Assembly	White Anti-Rust Bag	/
Description	Injector steel ball part number: F00VC05008	Prevent Injector Steel Balls From Rusting	/

⚠ Minors are prohibited from using the injector steel ball assembly, O-ring, nozzle protective cover, injector steel ball 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 steel ball 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 steel ball and the installation part duct must be treated with appropriate sealing oil during installation.

2) Injector Steel Ball Packaging Box Size



Pic No.1

NO.	Name	Injector Steel Ball Packaging Size (cm)
1	Injector steel ball packaging	7*5*1

1.8. F00VC05008 Injector Steel Ball Testing Standards and Certificates

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

BOTEN		测试报告		4.05.2019 10:42:09	
录事企业:					
电话:		地址:			
传真:		检测人:			
客户地址:		检测单位:			
电话:		客户姓名:			
传真:					
检测描述:					
检测名称:		检测日期:			
型号-零件号:					
检测方向:					
检测结果					
检测标准号: C05003-0511					
检测项目	检测结果	检测标准	检测结果	检测结果	检测结果
LEAK TEST:	38	4	4.5	38.8 ± 1.5	✓
Back:	38	4	3.5	38.8 ± 1.5	✓
WPRM:	38	125.5 ± 16.5	0.9	125.5 ± 16.5	✗
Mass:	2315	2315 ± 14.4	0.9	2315 ± 14.4	✓
TL:	28.4	28.4 ± 0.5	0.9	28.4 ± 0.5	✓
EL:	141	141 ± 4.8	0.9	141 ± 4.8	✓
VE:	67	67 ± 1.6	0.9	67 ± 1.6	✓
<input type="checkbox"/> 合格 <input type="checkbox"/> 不合格					

Pic No.2

1.9. F00VC05008 Injector Steel Ball Warranty Instructions

1) Product Warranty Conditions And Instructions

It is necessary to provide pictures, videos, or test reports tested by the injector steel ball inspection equipment when the injector steel ball 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 Steel Ball Warranty Coverage

- ① After customer receives the F00VC05008 injector steel ball 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 F00VC05008 injector steel ball 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 steel ball 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 Steel Ball Is Not Covered By Warranty

- ① The warranty period has expired.
- ② Injector steel ball 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 steel ball personally resulting in damage to the injector steel ball.
- ④ Injector steel ball damage caused by man-made reasons (throwing, strong magnetic field magnetization, set fire).
- ⑤ Injector steel ball failure or injector steel ball damage caused by non-injector steel ball design, technology, manufacturing, quality and other issues.
- ⑥ Injector steel ball failure due to system pressure exceeding system approved pressure.
- ⑦ Injector steel ball failure caused by system voltage exceeding approved voltage.
- ⑧ Injector steel ball failure caused by impurities (water, lead, aluminum powder, iron powder, sulfide) in the system fuel exceeding the standard requirements.
- ⑨ Injector steel ball 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 steel ball failure caused by not following the installation angle specified in the vehicle engine maintenance manual.
- 11 Injector steel ball failure caused by not following the cleaning requirements specified in the vehicle engine maintenance manual.
- 12 Injector steel ball failure caused by failure to replace consumable parts as specified in the vehicle engine maintenance manual.
- 13 Injector steel ball 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 steel ball connection in accordance with the fuel intake system specified in the vehicle engine maintenance manual.

1.10. F00VC05008 Injector Steel Ball Manufacturer

Injector Steel Ball Manufacturer: Shenzhen Shumatt Technology Co., Ltd

2. F00VC05008 Injector Steel Ball Technical Support

2.1. F00VC05008 Injector Steel Ball Utilized Location

Example: The code of the injector steel ball is as follows:

NO.	Name
A	Injector Steel Ball

2.2. F00VC05008 Injector Steel Ball Installation Precautions

- 1) The replacement of the injector steel ball 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 steel ball, the fitting clearance of the injector steel ball connection, the installation angle and tightening torque of the injector steel ball, 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 steel ball.
- 3) When installing the injector steel ball on the engine, it is necessary to clean the engine block, cylinder head and other parts connected to the injector steel ball, and ensure that there is no dust, carbon deposits, water, rust spots, etc.
- 4) Before installing, check whether the injector steel ball washer shim has been replaced and installed on the injector steel ball.
- 5) When installing the injector steel ball, apply lubricant between the injector steel ball, 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 steel ball and nozzle to break and cause damage to the engine.
- 7) When installing the injector steel ball on the engine, please carefully check the components related to the installation of the injector steel ball, such as the injector steel ball pressure plate, screw, injector steel ball 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 steel ball 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 steel ball for a long time in a strong magnetic field environment.

2.3. Reasons for F00VC05008 Injector Steel Ball Not Working Normally

- 1) There is air in the oil circuit of the engine fuel system.
- 2) Vehicle injector steel ball 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 steel ball of the vehicle.
- 5) The long-term placement of the injector steel ball 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 steel ball from not working properly after being replaced.

2.4. Causes of F00VC05008 Injector Steel Ball Being Damaged

- 1) Didn't operate properly according to engine maintenance manual during disassembly or installation, resulting in damage to the injector steel ball .
- 2) The fuel oil used for the vehicle does not meet the standard cause damage to the injector steel ball, 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 steel ball.
- 4) The abrasion of the oil pump produces iron powder and aluminum powder enter the injector steel ball and cause damage to the injector steel ball.
- 5) The deformation and abrasion of fuel tank result in iron powder or aluminum powder entering the injector steel ball and causing damage to it.
- 6) The injector steel ball is damaged due to replacement or adjustment of the relevant parts of the injector steel ball. 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 steel ball fails to meet the original standard.
- 7) The engine is overheated and overloaded for a long time working results in damage to the injector steel ball.
- 8) The injector steel ball will be damaged naturally at the end of its working life.
- 9) The injector steel ball is magnetized (injector steel ball parts' magnetic exceeded) causing the injector steel ball to not work properly.

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

2.5. F00VC05008 Injector Steel Ball Storage Standards

1) Choose a Suitable Storage Place

The warehouse and cargo yard where the injector steel balls 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 steel balls 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 steel balls 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 steel balls placed in the room, and the corrosion of the injector steel balls is significantly reduced.

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

If the injector steel ball 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 steel ball exposed in the air for a long time.

⚠ It is forbidden to store acid, alkali, salt and other substances together with the injector steel ball.

⚠ The unpacked injector steel ball must be rust-proof during secondary storage.

2.6. F00VC05008 Injector Steel Ball 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. F00VC05008 Injector Steel Ball Purchase And Delivery

3.1. F00VC05008 Injector Steel Ball Purchase And Payment Term

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

⚠ Please contact our salesmen for specific payment information.

3.2. F00VC05008 Injector Steel Ball Main Sales Markets

Main Sales Markets Of Injector Steel Balls: Asia, Europe, North America, South America, Africa etc.

3.3. F00VC05008 Injector Steel Ball 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. F00VC05008 Injector Steel Ball 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. F00VC05008 Injector Steel Ball Delivery Time

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

3.6. F00VC05008 Injector Steel Ball 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.


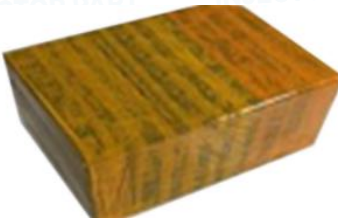

3.7. F00VC05008 Injector Steel Ball Shipping Package

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. F00VC05008 Injector steel ball Warranty Instructions](#))

4.2. Contact Information

Name	WeChat/ WhatsApp
Ruby	+86-13410541523

5. Copyright Statement

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