

3047963 Fuel Injector Plunger Technical File**SKU: Y1K30003047963**

3047963 Fuel Injector Plunger Technical File

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3047963 Fuel Injector Plunger Technical File**1. 3047963 Fuel Injector Plunger Introduction****1.1. 3047963 Fuel Injector Plunger Basic Information**

Title	3047963 Fuel Injector Plunger	Quality
SKU	Y1K30003047963	Original New

1.2. 3047963 Fuel Injector Plunger Common Part Number**(1) Fuel Injector Plunger Exchange Information**

Fuel Injector Plunger Part Number	OE Number
3047963	/

(2) Fuel Injector Plunger Application Information

Fuel Injector Part Number	Vehicle Brand	Engine Model
/	/	/

(3) Fuel Injector Plunger Part Number Common Writing

3047963

1.3. 3047963 Fuel Injector Plunger ParameterAdaptation System: **Common Rail System**Fuel Injector Plunger Series: **PT Series**Fuel Injector Plunger Type: **High Pressure Common Rail Fuel Injector Plunger****1.4. 3047963 Fuel Injector Plunger Specifications And Dimensions**Fuel Injector Plunger Size: **14cm*10cm *2 cm**Fuel Injector Plunger Package Size: **21cm * 14 cm *4cm**Fuel Injector Plunger Net Weight: **160g**Fuel Injector Plunger Gross Weight: **1120g**Fuel Injector Plunger Quality: **Original New**Fuel Injector Plunger MOQ: **1 Piece****1.5. 3047963 Fuel Injector Plunger Quality Control****(1) Fuel Injector Plunger Testing**

All fuel injector plunger spare parts are tested for electrical characteristics, accuracy, high temperature, low temperature, withstand voltage, leakage, durability, and various working conditions.

(2) Fuel Injector Plunger Assembling

For quality control during the production and installation process of fuel injector plungers, our company strictly follows the standard product installation data and product installation steps for installation and testing, such as injector plunger stroke test, Injector plunger fatigue spring test, etc.

(3) Fuel Injector Plunger Inspection

The factory inspection of the fuel injector plunger is undergone full inspection, random inspection, and batch inspection three inspections. Different brands of test benches are used to test the same fuel injector plunger for a total of no less than three times for factory inspection, and the fuel injector plunger installation testing environment are progressed in dust-free workshop.

1.6. 3047963 Fuel Injector Plunger Customized Service

(1) Fuel Injector Plunger Customized Service: Meet the customized needs of OEM manufacturers for shell lettering, logo engraving, fuel injector plunger internal packaging, fuel injector plunger external packaging and labels customized, etc.



(2) Fuel Injector Plunger Customized Service Requirements:

The purchased of customized fuel injector plunger are not less than 10 pieces.

Customized fuel injector plunger packages no less than 1000 pieces.

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

⚠ Once the customized fuel injector plunger is sold, it cannot be returned or exchanged if there is no quality problems.

1.7.3047963 Fuel Injector Plunger Packing List and Package Size

(1) Fuel Injector Plunger Spare Parts List

No.	1	2	3
Image			
Name	Fuel Injector Plunger Assembly	Plunger Barrel	Desiccant
Description	Fuel injector plunger assembly part number: 3047963	Prevent the fuel nozzle from rusting and bumping	Prevent plunger from rusting; absorb moisture
No.	4	5	6
Image		/	/
Name	Fuel Injector Plunger Packing Box	/	/
Description	Place the fuel injector plunger and its accessories	/	/

- ⚠ Minors are prohibited from using the fuel injector plunger assembly to avoid personal injury.
- ⚠ The fuel injector plunger housing cover is a recyclable accessory and can be recycled.
- ⚠ The fuel plunger barrel is made of non-degradable material, please dispose of it properly after use.
- ⚠ The fuel injector plunger and the installation parts guide tube should be treated with appropriate sealing oil during installation.

(2) Fuel Injector Plunger Packing Box Size



Name	Fuel Injector Plunger Packing Box Size (cm)
Fuel Injector Plunger Packing Box	21*14*4

1.8.3047963 Fuel Injector Plunger Packing Testing Standard and Certificate

Shumatt can provide the factory quality inspection test report of each fuel injector plunger to ensure that each fuel injector plunger 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: _____					
检测描述: _____					
零件名称: 喷油器					
型号-零件号: _____					
检测日期: _____					
检测结果					
检测标准: GB1002-6511					
检测项目	检测结果	标准值	公差	合格	备注
LEAK TEST:	3.8	4	0.5	20.0 ± 1.0	✓
Back:	3.8	4	15.0	20.0 ± 1.0	✓
WIPER:	3.8	14.0 ± 1.0	0.0	20.0 ± 1.0	✗
Max:	21.5	21.0 ± 1.4	0.0	20.0 ± 1.0	✓
TL:	28.4	28.0 ± 0.5	0.0	20.0 ± 1.0	✓
LL:	14.1	15.0 ± 0.8	0.0	20.0 ± 1.0	✓
VE:	4.7	4.0 ± 1.0	0.0	20.0 ± 1.0	✓
检测人: _____ 检测日期: _____					
☐ 合格 ☐ 不合格					

1.9. 3047963 Fuel Injector Plunger Warranty Instructions

(1) Product Warranty Conditions and Instructions

It is necessary to provide pictures, videos, or test reports detected by the fuel injector plunger inspection equipment when the fuel injector plunger 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) Fuel Injector Plunger Warranty Coverage

Within 15 days after customer receives the 3047963 injector, if there is a performance failure and the product has no appearance damage, customer can choose to replace it or repair it;

If the 3047963 fuel injector plunger has performance problems during the warranty period (6-12 months), and it is confirmed that it is product's problems after testing, you can contact our salesmen to replace the same model or a reworked product with the same performance for free;

If the fuel injector plunger is confirmed to be not faulty, it will be returned in its original condition.

▲ 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) Fuel Injector Plunger Out of Warranty Coverage

- ① The warranty period has expired and is not covered.
- ② Fuel injector plunger failure caused by high temperature, high pressure, humidity, rain, snow, saline-alkali soil, earthquakes, or abnormal environments.
- ③ Fuel injector plunger damage caused by unauthorized disassembly or repair by the customer.
- ④ Fuel injector plunger damage caused by human error (dropping, magnetization by a strong magnetic field, arson).
- ⑤ Fuel injector plunger failure or damage caused by issues other than the injector plunger's design, technology, manufacturing, or quality.
- ⑥ Fuel injector plunger failure caused by system pressure exceeding the approved system pressure.
- ⑦ Fuel injector plunger failure caused by system voltage exceeding the approved voltage.
- ⑧ Fuel injector plunger failure caused by impurities (water, lead, aluminum powder, iron powder, sulfide) in the system fuel exceeding the standard requirements.
- ⑨ Fuel injector plunger failure caused by installation not following the tightening torque specified in the vehicle's engine maintenance manual (excessive or insufficient tightening torque).
- ⑩ Fuel injector plunger failure due to failure to adhere to the installation angle specified in the vehicle engine maintenance manual.
- ⑪ Failure to adhere to the cleaning requirements specified in the vehicle engine maintenance manual.
- ⑫ Failure to follow the replacement requirements for wearing parts specified in the vehicle engine maintenance manual.
- ⑬ Failure to adhere to the intake and exhaust system clearance requirements specified in the vehicle engine maintenance manual.
- ⑭ Failure to follow the replacement requirements for wearing parts in the oil system and the clearances between the oil intake system piping and the fuel injector plunger.

1.10. 3047963 Fuel Injector Plunger Manufacturer

Fuel Injector Plunger Manufacturer: Shenzhen Shumatt Technology Co., Ltd

2. 3047963 Fuel Injector Plunger Technical Support

2.1. 3047963 Fuel Injector Plunger Part Number Location

E.g.: See the fuel injector plunger part number as follows:

No.	Name
A	Brand, logo, part number



2.1. 3047963 Fuel Injector Plunger Installation

(1) 3047963 Fuel Injector Plunger Installation Precautions:

- ① The replacement of the fuel injector plunger 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 fuel injector plunger, the fitting clearance of the fuel injector plunger connection, the installation angle and tightening torque of the fuel injector plunger, 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 fuel injector plunger.
- ③ When installing the fuel injector plunger on the engine, it is necessary to clean the engine block, cylinder head and other parts connected to the fuel injector plunger, and ensure that there is no dust, carbon deposits, water, rust spots, etc.
- ④ When installing the fuel injector plunger on the engine, please carefully check the components related to the installation of the fuel injector plunger, such as the fuel injector plunger pressure plate, screw, fuel injector plunger rod and other accessories are not deformed, and install it in strict accordance with the operation steps of the engine maintenance manual.
- ⑤ It is forbidden to operate the bare fuel injector plunger for a long time in an environment with serious dust pollution and corrosion to iron products.
- ⑥ It is forbidden to operate the bare fuel injector plunger for a long time in a strong magnetic field environment.

2.2. 3047963 Fuel Injector Plunger Not Working Normally

- (1) There is air in the oil circuit of the engine fuel system.

- (2) Vehicle fuel injector plunger's 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 fuel injector plunger of the vehicle.
- (5) The long-term placement of the fuel injector plunger 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 except the fuel injector plunger are damaged to prevent the fuel injector plunger from not working properly after being replaced.

2.3. 3047963 Fuel Injector Plunger Causes of Being Damaged

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

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

2.4. 3047963 Fuel Injector Plunger Technical Support Obtaining Methods

- (1) Fuel Injector Plunger Technical File , visit <http://shumatt.com> to get the technical file.
- (2) Fuel Injector Plunger Technical Videos

Facebook: Visit <https://www.facebook.com/hison.li> to get the technical videos, constantly follow can get more information.

YouTube: https://www.youtube.com/channel/UCByvYBx7VjV_mAfxh_Hu-aw to get the technical videos,

constantly follow can get more information.

Shumatt: Visit <http://shumatt.com> to get the technical videos.

(3) Fuel Injector Plunger Information Query Software

TruckBook Parts EPC APP, Android/Apple App Store download and install, visit <http://shumatt.com> to get the download and installation tutorial

(4) Search the Fuel Injector Plunger Test Data Through TruckBook Parts EPC APP.

3.3047963 Fuel Injector Plunger Purchase and Delivery

3.1.3047963 Fuel Injector Plunger Purchase Payment Term

Payment Terms: T/T, PayPal, Alipay, WeChat

▲ Please contact our salesmen for specific payment information.

3.2.3047963 Fuel Injector Plunger Main Sales Markets

Fuel injector plunger main sales markets: Asia, Europe, North America, South America, Africa etc.

3.3.3047963 Fuel Injector Plunger Declaration Requirements

Shumatt 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. 3047963 Fuel Injector Plunger 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. 3047963 Fuel Injector Plunger Lead time

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

3.6. 3047963 Fuel Injector Plunger 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	5-7Days	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. 3047963 Fuel Injector Plunger Packing

Domestic express packaging: Usually wrapped in waterproof scotch tape, such as picture No.1.

International express packaging: Wrapped with waterproof yellow tape After wrapping the black protective film, such as picture No. 2.

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, such as picture No. 3, 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 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

4.3047963 Fuel Injector Plunger Storage Standard

(1) Choose a suitable storage place

The warehouse and cargo yard where the fuel injector plunger is stored should be kept clean and dry, and away from the factory buildings that generate harmful gases and dust; do not mix with acids, alkalis, salts 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 requirements of warehousing

Strict inspections should be carried out when the fuel injector plungers 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 injectors must be protected from damage.

(3) Keep the warehouse dry and preventing moisture

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

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

If the fuel injector plunger 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 fuel injector plunger exposed in the air for a long time.
- ▲ It is forbidden to store acid, alkali, salt and other substances together with the fuel injector plunger.
- ▲ The unpacked fuel injector plunger must be rust-proof during secondary storage.

5. Company Information



5.1. Company Introduction

Chinese Name: 深圳市舒马特科技有限公司

English Name: Shenzhen Shumatt Technology Co., Ltd

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

 **HK Telephone:** +852-67653519

 **Telephone:** +86-755-23215133

 **Email:** ruby@shumatt.com

 **Website:** www.shumatt.com

 **Shenzhen Office:** 11-12, Floor 14, Building 13, Qinchengda Building, Exit A, Honglang North Subway Station, Bao'an District, Shenzhen, China's 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. 3047963 Fuel Injector Plunger Warranty Instructions](#))

5.2. Salesmen's Contact Information

No.	Name	WeChat/WhatsApp	Email
1	Ruby	+86-13410541523	ruby@shumatt.com
2	Ivy	+86-18025299821	sales@shumatt.com
3	Rebecca	+86-18025349821	sales01@shumatt.com
4	Janny	+86-18028749821	sales02@shumatt.com
5	Sam	+86-13316859821	Sales8@shumatt.com
6	Natalie	+86- 18938945856	sales15@shumatt.com
7	Ada	+86-1342286353	sales5@shumatt.com
8	Hison Li	+86-18318811871	web@shumatt.com
9	Mecca	+86-18938948618	sales11@shumatt.com
10	Eric	+86 18319033618	sales3@shumatt.com
11	Wayne (Joaquín en español)	+86-13316959821	wayne@shumatt.com
12	Sylvia	+86 18312499884	sales6@shumatt.com
Visit http://shumatt.com to obtain the latest information of salesmen			
PS: Shumatt's salesmen's emails are all end with @shumatt.com			

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