SKU: Y20000B2BC14019





F00VC14019 Injector Nut Technical Instruction

Content

1. F00VC14019 Injector Nut Introduction	2
1.1. F00VC14019 Injector Nut Basic Information	2
1.2. F00VC14019 Injector Nut Common Part Number	2
1.3. F00VC14019 Injector Nut Specifications and Dimensions Parameter	2
1.4. F00VC14019 Injector Nut Quality Control	2
1.5. F00VC14019 Injector Nut Customized Service	3
1.6. F00VC14019 Injector Nut Packing List & Size	3
1.7. F00VC14019 Injector Nut Testing Standard and Certificate	4
1.8. F00VC14019 Injector Nut Warranty Instructions	5
1.9. F00VC14019 Injector Nut Storage Standard	6
2. F00VC14019 Injector Nut Technical Support	7
2.1.F00VC14019 Injector Nut Utilized Location	7
2.2. F00VC14019 Injector Nut Installation	7
2.3. F00VC14019 Injector Nut Measurement Tool	
2.4. F00VC14019 Injector Nut Measurement Steps	9
2.5. Reasons of F00VC14019 Injector Nut Not Working Normally	10
2.6. Causes of F00VC14019 Injector Nut Being Damaged	11
2.7. F00RJ00841 Injector Nozzle Nut Storage Standard	11
2.8. F00VC14019 Injector Nut Technical Support Obtaining Methods	12
3. F00VC14019 Injector Nut Purchase and Delivery	12
3.1. F00VC14019 Injector Nut Purchase Payment Term	12
3.2. F00VC14019 Injector Nut Main Sales Markets	12
3.3. F00VC14019 Injector Nut Declaration Requirements	12
3.4. F00VC14019 Injector Nut Shipping Ways	12
3.5. F00VC14019 Injector Nut Lead time	13
3.6. F00VC14019 Injector Nut Logistics Time for Destination Out of China's Areas	13
3.7. F00VC14019 Injector Nut Injection Packing	13
4. Company Information	14
4.1. Company Introduction	14
4.2. Contact Information	15
5. Copyright Statement	15

Website: www.injectorpart.com

F00VC14019 Injector Nut Technical Instruction

1. F00VC14019 Injector Nut Introduction

1.1. F00VC14019 Injector Nut Basic Information

Injector Nut Title	Common Rail F00VC14019 Injector Nut Original New
SKU	Y20000B2BC14019

1.2. F00VC14019 Injector Nut Common Part Number

1) Injector Nut Applicable Injector Model

Injector Part Number	Injector Part Number	Injector Part Number	Injector Part Number
0 445 110 273	TOR PART /	/	

2) Injector Nut Matching Information

Brand	Car Model	Engine Model	OE Part Number
FIAT	Ducato '06 [250]	F1AE0481D	504 0887 55

3) Injector Nut Part Number Common Writing

0 445 110 273, 0445110273, 504 0887 55, 504088755, 504377671

1.3. F00VC14019 Injector Nut Specifications and Dimensions Parameter

Injector Nut Applicable System: Common Rail System

Injector Nut Series: 110 Series

Injector Nut Type: Electromagnetic Type

Injector Nut Dimensions: 18.85 × 34.7 × M17*0.75

Injector Nut Size: 6*5*5cm
Single Injector Nut Weight: 25g
Injector Nut Weight Per Box: 300g
Injector Nut Quality: China Made New

Injector Nut Package Size: 16cm* 10cm *6cm

Injector Nut Type: High Pressure Common Rail Injector Nut

Website: www.injectorpart.com

Injector Nut MOQ: 1pcs

1.4. F00VC14019 Injector Nut Quality Control

(1) Injector Nut Testing

All parts of the injector nut 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 Nut Installation

In addition, the injector nut 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 nut stroke test, injector nut tightening torque.

(3) Injector Nut Inspection

The factory inspection of the injector nut has undergone three inspections: full inspection, random

inspection, and batch inspection. Different brands of test benches are used to test the same injector nut for more than three times for factory inspection, and the fuel injector nut installation testing environment are progressed in dust-free workshop.

1.5. F00VC14019 Injector Nut Customized Service

(1) Injector Nut Customized Service Coverage: Meet OEM manufacturers' customization needs for shell engraving, logo engraving, injector nut internal packaging, injector nut external packaging and labels, etc.

No.	1	2
Image	COMMAN PAIL PLECTOR IS TIGHT 共轨喷油器紧冒	INJECT SPLIMATE AND A PART
Name	Injector Nut Packing	Color Customization: Gray, Black, White

(2) Injector Nut Customized Service Requirements:

The purchase quantity of customized injector nut is not less than 10 pieces.

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

1.6. F00VC14019 Injector Nut Packing List & Size

1) Injector Nut Spare Parts List

No.	1	2	3
Image	ART INJECTOR PART	INJECTOR PART	OR PAR
Name	Injector Nut	Injector Nut Height	Injector Nut Outer Diameter
Description	PART IN ECTOR PART	Height:34.7mm	Outer diameter:18.85mm
No.	4	5	/
Image	PART	MANUAL MA	TOR PART INJECTOR PART INJECTOR PART
Name	Injector Nut Inside Diameter	Injector Nut Lining	



Description Inside diameterM17*0.75 Prevent bumping damage to the nozzle nut	
--	--

Minors are prohibited from using the injector nut assembly, O-ring, nozzle protective cover, injector nut 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 disposable installation accessories and need to be replaced when installed again.

The nozzle protective cover, injector nut 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 nut and the installation part duct must be treated with appropriate sealing oil during installation.

2) Injector Nut Packing Size



Pic No.1

No.	Name	Injector Nut Packing Size (cm)
1	Injector Nut Box	16*10*6

1.7. F00VC14019 Injector Nut Testing Standard and Certificate

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

Website: <u>www.injectorpart.com</u> © 2025 <u>www.injectorpart.com</u>





Pic No.2

1.8. F00VC14019 Injector Nut Warranty Instructions

1) Product Warranty Conditions And Instructions

It is necessary to provide evidences include pictures, videos, or test reports which tested by the injector nut inspection equipment, and so on, to feed back to the salesman when the Injector Nut is abnormal during using.

The 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 Nut Warranty Coverage

- ① After customer receives the **F00VC14019** injector nut 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 **F00VC14019** injector nut has performance problems during the warranty period (6-12 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 nut 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, we 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 Nut Is Not Covered By Warranty

① The warranty period has expired.

Website: www.injectorpart.com

© 2025 www.injectorpart.com



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

1.9. F00VC14019 Injector Nut Storage Standard

1) Choose a Suitable Storage Place

The warehouse and cargo yard where the injector nuts 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 Requirements of Warehousing

Strict inspections should be carried out when the injector nuts 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 nuts must be protected from damage.

3) Keep The Warehouse Dry And Preventing Moisture

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

Injector nuts 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 nut is exposed in rain, the corrosion rate will increase significantly. The purpose of



sealing is to isolate the injector nut from rainwater and humid air, so the warehouse window should be checked in time to avoid rainwater entering the warehouse

If the injector nut 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 nut exposed in the air for a long time.

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



The unpacked injector nut must be rust-proof during secondary storage.

2. F00VC14019 Injector Nut Technical Support

2.1.F00VC14019 Injector Nut Utilized Location

E.g.: See the injector nut utilized location as follows:

No.	Name		
A	Injector Nut		



Pic No.3

2.2. F00VC14019 Injector Nut Installation

- F00VC14019 Injector Nut Installation Precautions
- ① The replacement of the injector nut 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.
 - Replacement of wearing parts of the fuel system, cleaning requirements for the connection



between the fuel system and the injector nut, the fitting clearance of the injector nut connection, the installation angle and tightening torque of the injector nut, 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 nut.

- When installing the injector nut on the engine, it is necessary to clean the engine block, cylinder head and other parts connected to the injector nut, and ensure that there is no dust, carbon deposits, water, rust spots, etc.
- ④ Before installing, check whether the injector nut washer shim has been replaced and installed on the injector nut.
- ⑤ When installing the injector nut, apply lubricant between the injector nut, fuel nozzle sealing washer shim and O-ring.
- [®] 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 nut and nozzle to break and cause damage to the engine.
- When installing the injector nut on the engine, please carefully check the components related to the installation of the injector nut, such as the injector nut pressure plate, screw, injector nut 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 nut for a long time in an environment with serious dust pollution and corrosion to iron products.
- It is forbidden to operate the bare injector nut for a long time in a strong magnetic field environment.

2) Injector Nut Tightening Torque

When installing the injector nut, the torque wrench and tightening torque data requirement must follow the injector maintenance manual. (50Nm).



Pic No.4

A

The nozzle nut tightening torque must be installed according to the tightening torque specified in the

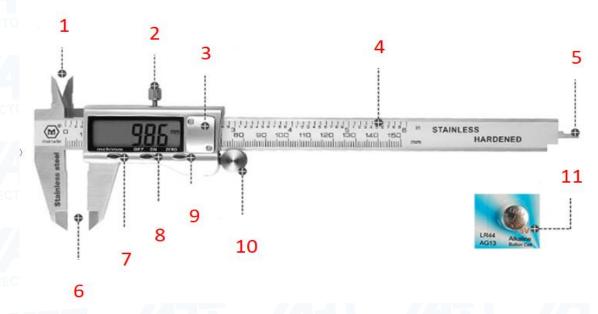
injector maintenance manual.

Website: www.injectorpart.com

© 2025 www.injectorpart.com



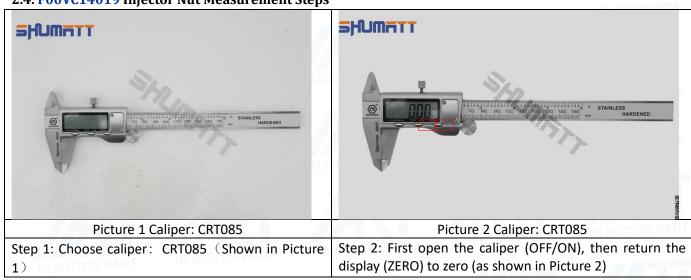
2.3. F00VC14019 Injector Nut Measurement Tool



Pic No.5

1. Inner diameter measuring claw	7. inch/mm metric and inch conversion button
2. Limit screw	8. OFF/ON power button
3. Battery installation place	9. ZERO button
4. Ruler body	10. Push roller
5. depth measurement	11. Button battery
6. depth measurement	

2.4. F00VC14019 Injector Nut Measurement Steps



Website: www.injectorpart.com

▲The caliper must be adjusted to zero before measuring.





Picture 2

Picture 3

Step 3: Measure the height of the F00VC14019 injector nut and place it at the position shown in the picture (Shown in Picture 3)

▲The value must be return to 0 before measuring, then the measured value is correct based on the nozzle nut is tightened by the caliper. Do not place it tilted.

Step 4: Measure the outer diameter of the F00VC14019 injector nut and place it at the position shown in the Picture (Shown in Picture 5)

▲The value must be return to 0 before measuring, then the measured value is correct based on the injector nut is tightened by the caliper. Do not place it tilted.





Picture 4

Step 5: Measure the inner diameter of the F00VC14019 injector nut and place it at the position

▲The value must be return to 0 before measuring. then the measured value is correct based on the nozzle nut is tightened by the caliper. Do not place it tilted.

shown in the Picture (Shown in Picture 5)

Picture 5

Step 6: Measure the hexagonal edge-to-edge diameter of the F00VC14019 injector nut and place it at the position shown in the Picture (Shown in Picture 6)

▲The value must be return to 0 before measuring, then the measured value is correct based on the nozzle nut is tightened by the caliper. Do not place it tilted.

2.5. Reasons of F00VC14019 Injector Nut Not Working Normally

- (1) There is air in the oil circuit of the engine fuel system.
- (2) Vehicle injector nut 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 nut of the vehicle.
- (5) The long-term placement of the injector nut causes the anti-rust oil to solidify, and the internal



components are stuck or the oil holes are blocked.

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

2.6. Causes of F00VC14019 Injector Nut Being Damaged

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

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

2.7. F00RJ00841 Injector Nozzle Nut Storage Standard

1) Choose a Suitable Storage Place

The warehouse and cargo yard where the injector nuts are stored should be kept clean and dry, and aw ay from the factory buildings that generate harmful gases and dust; do not mix with acid, alkali, salt and oth er 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 are a dry.

2) Strict Requirements of Warehousing

Strict inspections should be carried out when the injector nuts 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 an



ti-rust treatment in time. Packaged injector nozzle nuts must be protected from damage.

Keep The Warehouse Dry And Preventing Moisture

The relative humidity is usually below 70% for the injector nuts placed in the room, and the corrosion o f the injector nozzle nuts is significantly reduced.

Injector nuts 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 nut is exposed in rain, the corrosion rate will increase significantly. The purpose of se aling is to isolate the injector nozzle nut from rainwater and humid air, so the warehouse window should be checked in time to avoid rainwater entering the warehouse

If the injector nut package is damaged, it should be repaired or replaced; when the package is damp, th e packaging material should be dried; if the original oil applied at the factory is found to be damaged or drie d up, it should be cleaned and re-applied oil in time.



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



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



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

2.8. F00VC14019 Injector Nut Technical Support Obtaining Methods

- Injector Nut Technical Instruction: https://www.injectornut.com/download/
- 2) Injector Nut Videos: https://www.injectornut.com/videos/
- Injector Nut Encyclopedia: https://www.injectornut.com/category/news/encyclopedia/

3. F00VC14019 Injector Nut Purchase and Delivery

3.1. F00VC14019 Injector Nut Purchase Payment Term

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



Please contact our salesmen for specific payment information.

3.2. F00VC14019 Injector Nut Main Sales Markets

Injector Nut Main Sales Markets: Asia, Europe, North America, South America, Africa etc.

3.3. F00VC14019 Injector Nut 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. F00VC14019 Injector Nut 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. F00VC14019 Injector Nut Lead time

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

3.6. F00VC14019 Injector Nut 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 Arriva 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 and is subject to the actual arrival.

3.7. F00VC14019 Injector Nut Injection 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.

A 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			ART
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.6

4.1. Company Introduction



☐ Mob Phone/WeChat: +86-13410541523

☐ **HK Telephone**: +852-67653519

Telephone: +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 Touxi 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. F00VC14019 Injector Nut Warranty Instructions)

4.2. Contact Information

Name	WeChat/ WhatsApp	
Ruby	+86-13410541523	

5. Copyright Statement

All content on www.injectorpart.com is sourced from and belongs to Shenzhen Shumatt Technology Co., Ltd. www.injectorpart.com has been authorized to use this content. Shenzhen Shumatt Technology Co., Ltd. holds all rights to the "F00VC14019 Injector Nut 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.