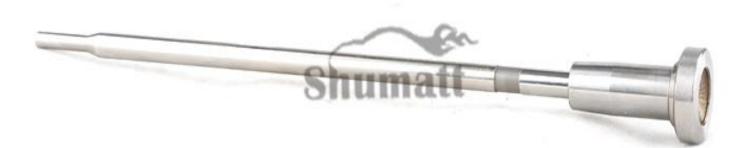


FOORJOO218 Injector Valve Assembly Technical File SKU: G1L10F00RJ00218



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F00RJ00218 Injector Valve Assembly Technical File SPRINGER ARCONT

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Shenzhen Shumatt Technology Co., Ltd F00RJ00218 Injector Valve Assembly Technical File

1. F00RJ00218 Injector Valve Assembly's Introduction

1.1.F00RJ00218 Injector Valve Assembly' s Basic Information

Title	F00RJ00218 Fuel Injector Valve Assembly 0445120 Series	Quality	, di
SKU	G1L10F00RJ00218	China Made New	

1.2.F00RJ00218 Injector Valve Assembly's Application Information for Injectors (1) F00RJ00218 Injector Valve Assembly's Car Model Matching Information

Injector Part Number			Car Model		- 25		
the second	0445120003	2300	2000	RENAULT	States.	5010412093	A Carrier

(2) F00RJ00218 Injector Valve Assembly's Application for Injectors' Part Number

Injector Series	Injector Part Number	Universal Number	Universal Number	System Pressure (bar)	3.I.I
CRIN1-14/16	0445120003	0445120004	0986435524	1400	
and the second	1964 - 1964 - 1966			and the second	

(3) F00RJ00218 Injector Assembly Part Number Common Writing F00RJ00218, FOO RJ00218, F 00R J00 218, F OOR J00 218, F00R J00 218, FOOR J00 218, FOORJ00 218, F 00RJ00218, F 00R

1.3.F00RJ00218 Injector Valve Assembly's Specifications and Dimensions Parameters

Injector Valve Assembly Size: 11cm*18cm *3 cm.

Injector Valve Assembly Box Size: 12 cm *19 cm *4 cm

Injector Valve Assembly Net Weight: 0.02kg

Injector Valve Assembly Gross Weight: 0.05kg

Injector Valve Assembly Quality: China Made New Injector Valve Assembly

Injector Valve Assembly MOQ: 4PCS

1.4.F00RJ00218 Injector Valve Assembly's Quality Control

(1) Valve Assembly Testing

All parts of the injector valve assembly are subjected to precision testing, high temperature testing, low temperature testing, withstand pressure testing, leakage testing, durability testing, and various working conditions testing.

(2) Injector Valve Assembly Inspection

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

(3) Injector Valve Assembly Installation

When matching the valve cap and valve steam, Shumatt strictly complies with the standard of valve cap and valve stem clearance technical indicators to ensure that each valve assembly meets the factory standards and use standards.

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Si nd	Name		alve Assembly al is optional)		/Cl Anti-rust	Bag	an Stair	State 1	S. S	53/2.2057.7	n S
3 ⁸⁴	Description	assembly	e injector val from being by colliding	20 I F	Prevent the i assembly fro		er and	ST' STARK	(T STREET	S. A. BRAN	5 43

A Minors are prohibited from using the injector valve assembly, valve assembly anti-rust paper, valve assembly box, and VCI anti-rust bag to avoid personal injury.

The valve assembly box is recyclable and can be reused.

VCI anti-rust bag is non-degradable material, please dispose of it properly after use.

1.7.F00RJ00218 Injector Valve Assembly Warranty Instructions

(1) . Injector Valve Assembly Warranty Conditions and Instructions

It is necessary to provide pictures, videos, or test reports detected by the injector valve assembly inspection equipment when the valve assembly 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 and other abnormal conditions.

The above condition may also be affected by other components of the injector. If it is confirmed by our company to be a product problem, it is within the scope of the subsidy.

(2) . Injector valve Assembly Warranty Coverage

Within 15 days after customer receives the F00RJ00218 injector valve assembly, if there is a performance failure and the product has no appearance damage, customer can choose to replace it;

If the F00RJ00218 injector valve assembly has performance problems during the warranty period (6-12 months), and it is confirmed that it is product's problems after being tested, you can contact our salesmen to replace the same model for free; 40

If the product is confirmed to be fault-free, the product will be returned

(3) Injector Valve Assembly Out of Warranty Coverage

The warranty period has expired, not covered by warranty.

Injector valve assembly failure caused by high temperature, high pressure, humidity, rain and snow, saline-alkali land, earthquake, and used in abnormal environment.

Injector valve assembly damage caused by man-made reasons (throwing, strong magnetic field magnetization, set fire).

Injector valve assembly failure or injector damage caused by non-injector design, technology manufacturing, quality and other issues.

Injector valve assembly failure due to system pressure exceeding system approved pressure.

Injector valve assembly failure caused by impurities (water, lead, aluminum powder, iron powder, sulfide) in the system fuel exceeding the standard requirements.

Injector valve assembly 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 valve assembly failure caused by not following the installation angle specified in the injector maintenance manual.

Injector valve assembly failure caused by not following the cleaning requirements specified in the injector maintenance manual.

Injector valve assembly failure caused by failure to replace consumable parts as specified in the

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injector maintenance manual.

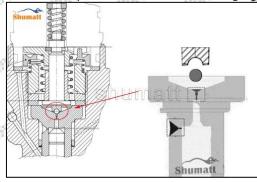
1.8.F00RJ00218 Injector Valve Assembly Manufacturer Injector Valve Assembly Manufacturer: Shenzhen Shumatt Technology Co.,Ltd

2. F00RJ00218 Injector Valve Assembly Technical Support

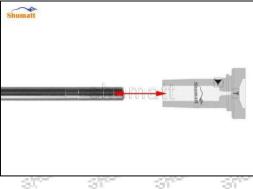
2.1.F00RJ00218 Injector Valve Assembly Installation Precautions

- (1) Clean the injector valve assembly in an ultrasonic cleaner for 3-5 minutes before installation, so as to make the stains, dust, rust-proof oil oxides, paraffin base, naphthenic base, intermediate base, salt, lead naphthenate, zinc naphthenate, sodium petroleum sulfonate, barium petroleum sulfonate, calcium petroleum sulfonate, tallow diamine trioleate, rosinamine on the surface of the injector valve assembly fall off.
- (2) Use compressed air to clean the cleaning fluid attached to the surface of the injector valve assembly after cleaning, and clean it up to the standard of use.

When installing the steel ball and ball seat, pay attention to the steel ball should close tightly to the oil return hole at the top of the valve cap, as shown in the following figure.



When installing the valve stem, make sure that the valve stem and the bonnet must ensure that the valve stem can move smoothly in it. as below



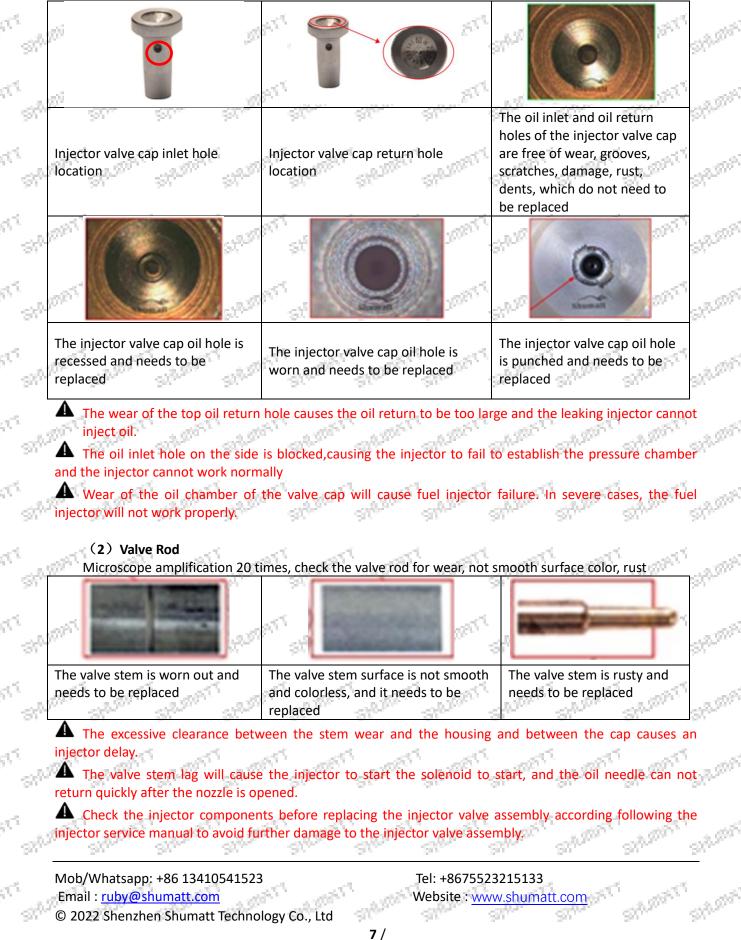
(5) When installing the injector valve assembly, the oil inlet position should be 180° between the oil inlet position of the injector body.
 If the injector steel ball and the ball seat are not installed in accordance with the standard, it may cause

serious damage to the injector valve assembly.

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2.2.F00RJ00218 Injector Valve Assembly Replacement Conditions

(1) Valve Cap Under the microscope, magnify 20 times to check that the oil inlet hole of the valve cap and the oil return hole of the bonnet are not worn, grooved, scratched, damaged, rusted or dented.



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SPATISTICS STATES (1) Use special installation tools - the sealing ring and support ring in CRT029 to put them into the injector housing, as shown in picture No. 1

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(2) Place the valve assembly into the injector and use the special tools in CRT029 to install the valve assembly in place as shown in picture No. 2 assembly in place, as shown in picture No. 2



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(8) Use the special tool for tightening the lock nut in CRT029 to tighten the lock nut to 65Nm, as shown in picture No. 8 e Co $e^{i\theta}$ $e^{i \theta_{i}}$



Pic No.8 SPERMIT

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(10) Press the armature plate downward so that the opening buffer stroke adjust washer can be stuck in the slot on the armature core, as shown in picture No. 10



Pic No.10 SPERMENT SPRIMAT

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Tel: +8675523215133

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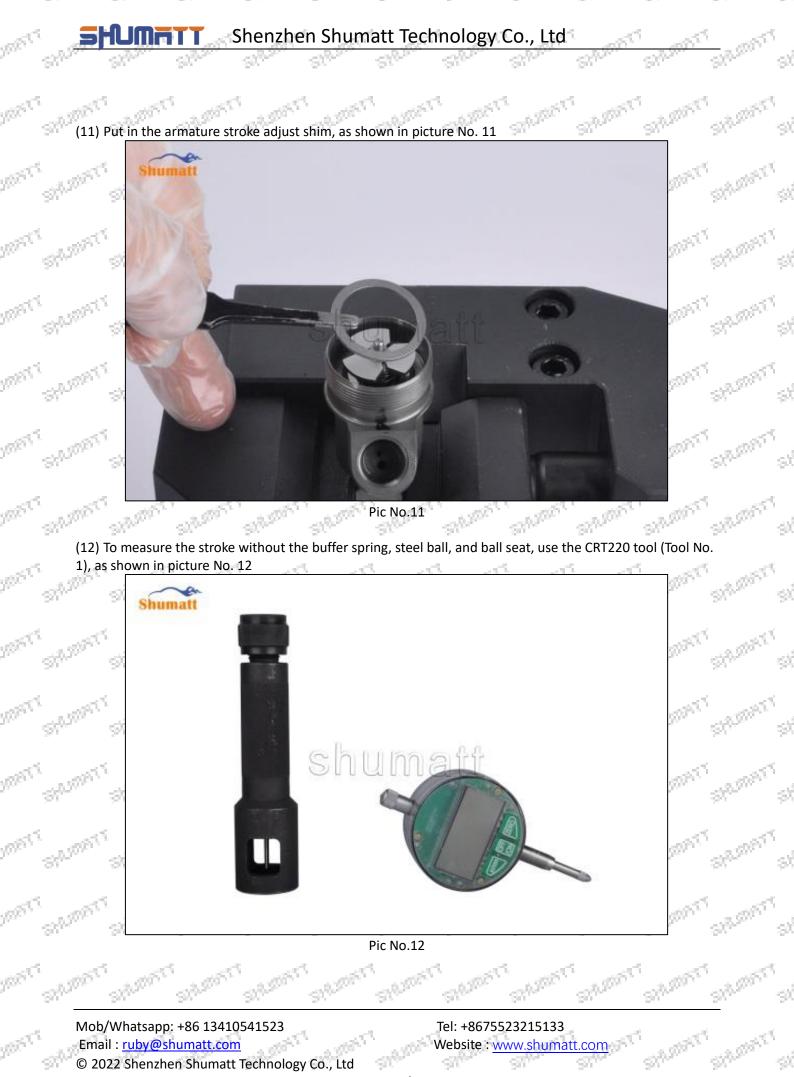
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Pic No.14



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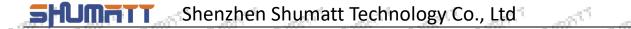
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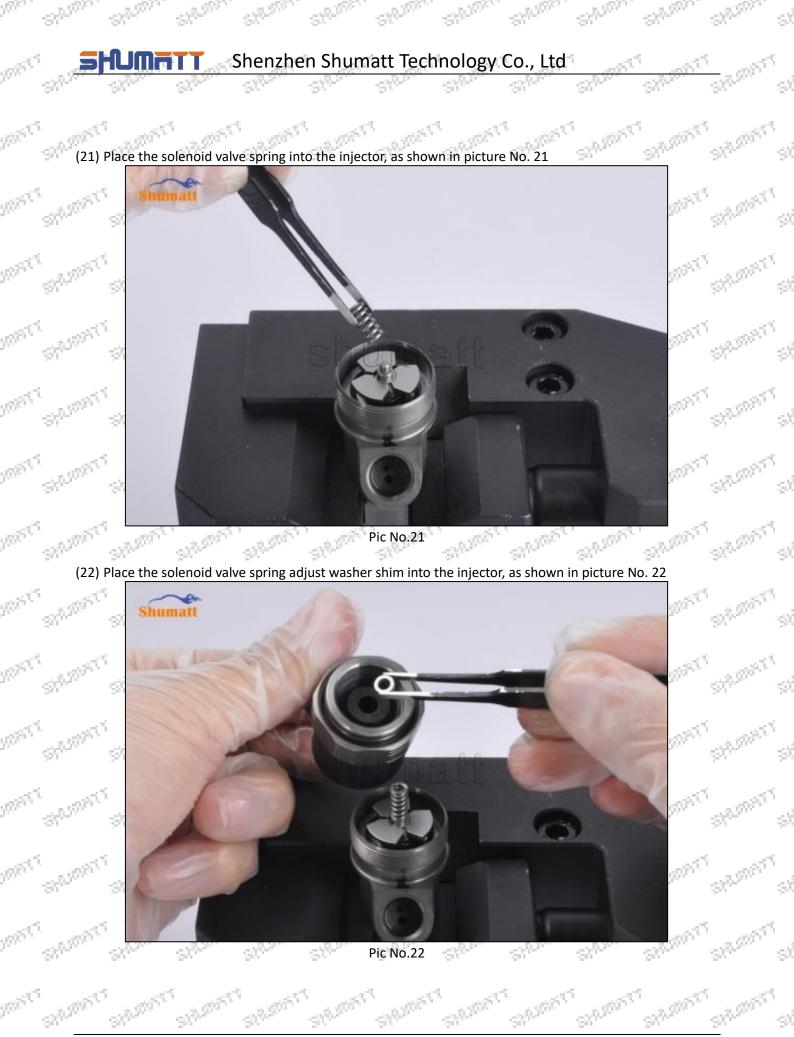
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(20) Residual air gap = A data - B data. The value of the remaining air gap is 45-55Nm. If it is greater than the normal value, reduce the remaining air gap stroke adjust washer shim. If it is less than the normal value, thicken the remaining air gap stroke adjust washer shim, as shown in picture No. 20

thicken the remaining air gap stroke adjust washer shim, as shown in picture No. 20 Fire No.20 Mod/Whatsapp: +86 13410541523 Email: ruby@shumatt.com 0 2022 Shenzhen Shumatt Technology Co., ttd

(19) Measure the distance from the armature plate plane at the end of the injector to the remaining air gap adjust washer shim again and record it as B (5498), as shown in picture No. 19

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2.4.F00RJ00218 Injector Valve assembly Technical Support Obtaining Methods

(1) Valve Assembly Technical File, visit <u>http://shumatt.com</u> to get the technical file

(2) Injector Valve Assembly Technical Videos

Facebook: Visit <u>https://www.facebook.com/hison.li</u> to get technical support videos and stay tuned for more information.

YouTube: <u>https://www.youtube.com/channel/UCByvYBx7VjV_mAfxh_Hu-aw</u> to get the technical support videos, constantly follow can get more information.

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

(3) Valve Assembly Information Query Software

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

(4) Search The injector valve assembly test data through TruckBook Parts EPC APP.

3.F00RJ00218 Injector Valve Assembly Purchase and Delivery

3.1.F00RJ00218 Injector Valve Assembly Purchase Payment Terms

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

Please contact our salesmen for specific payment information.

3.2.F00RJ00218 Injector Valve Assembly Main Sales Market.

Injector valve assembly main sales markets: Asia, Europe, North America, South America, Africa etc.

3.3.F00RJ00218 Injector Valve Assembly 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.F00RJ00218 Injector Valve Assembly 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.F00RJ00218 Injector Valve Assembly Lead Time

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

3.6.F00RJ00218 Injector Valve Assembly Logistics Time for Destination Out of China's Areas

ş,	DHL Logistics Time:	19 ¹⁰ - 199	and the second second	per la super la	and the second	and the second	al de la caractería de la	$2\beta^{(m)}$
	Country or Region of Departure	Hong Kong, China	Other Countries or Regions of Asia	Australia and New Zealand	Europe	America	Other Countries	
ņ.	China's Mainland	7 Days	7 Days	8 Days	8 Days	8-12 Days	7-10 Days	S.

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Country ofEstimatedDestinationArrival Time		Country of Destination	Estimated Arrival Time	Country of Destination	Estimated Arrival Time
Japan	3 Days	UK S	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
ीtaly	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	and a star and	Land Carl	SHAM SHAM	21 0

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

3.7.F00RJ00218 Injector Valve Assembly 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.

A 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.

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Pallet Shipping: Use pallet that meet export requirements, and use white wrapping protective film to wrap and bind with cable ties

4.F00RJ00218 Injector Valve Assembly Storage Standard

(1) Choose a suitable storage place

The warehouse and cargo yard where the fuel injector valve assembly is 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 fuel injector valve assemblies 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 Valve Assembly must be protected from damage.

(3) Keep the warehouse dry and preventing moisture

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

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

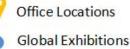
If the injector valve assembly package is damaged, it should be repaired or replaced; when the package is damaged, it should be repaired or replaced; when the package is damp, the packaging material should be dried; if the original anti-corrosion and oil applied at the factory is found to be damaged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

A It is forbidden to leave the injector valve assembly exposed in the air for a long time.

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

The unpacked injector valve assembly 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.

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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: <u>1.7 F00RJ00218 Injector Valve Assembly Warranty Instructions</u>)

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