



Diesel Parts

XPI INJECTOR



Common Rail **1881565** XPI Injector Technical File

SKU1: Z1L37001881565

SKU2: Z1K3SCA1881565

SKU: Y2L31881565K6K



Common Rail 1881565 XPI Injector Technical File

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Common Rail **1881565** XPI Injector Technical File

1. **1881565** XPI Injector Introduction

1.1. **1881565** XPI Injector Basic Information

| Title | Re-manufactured Common Rail XPI Injector 1881565 |
|-------|---|
| SKU1 | Z1L37001881565 |
| SKU2 | Z1K3SCA1881565 |

1.2. **1881565** XPI Injector Common Part Number

(1) XPI Injector Exchange Information

| XPI Injector Part Number | Re-manufacturing Number |
|--------------------------|-------------------------|
| 1881565 | 2872544 |

(2) XPI Injector Application Information

| Vehicle Brand | Car Model | Engine Number |
|---------------|-----------|---------------|
| SCANIA | DC13 DC16 | XPI |

(3) XPI Injector Part Number Common Writing

1881565

1.3. **1881565** XPI Injector Parameter

Adaptation System: **Common Rail System**

XPI Injector Series: **XPI Series**

XPI Injector Type: **Electromagnetic**

1.4. **1881565** XPI Injector Specifications and Dimensions

XPI Injector Size: **26cm* 6cm *6cm**

XPI Injector Net Weight:**1280g**

XPI Injector Gross Weight:**1300g**

XPI Injector Quality: **Re-manufactured**

XPI Injector Package Size: **28cm*8 cm *8 cm**

XPI Injector Type: **High Pressure Common Rail XPI Injector**

XPI Injector MOQ: **4 Pieces**

1.5. **1881565** XPI Injector Quality Control

(1) XPI Injector Testing

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

(2) XPI Injector Assembling

For the quality control of the XPI injector production and installation process, our company strictly follows the standard product installation data and product installation steps to install, such as XPI injector stroke test, XPI injector solenoid valve tightening torque, XPI injector nozzle tightening torque.

(3) XPI Injector Inspection

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

1.6. 1881565 XPI Injector Customized Service

(1) XPI Injector's Customized Service Coverage: Meet the customized needs of OEM manufacturers for shell lettering, logo engraving, XPI injector internal packaging, XPI injector external packaging and labels customized, etc.

| No. | 1 | 2 |
|-------|---|---|
| Image |  |  |
| Name | XPI Injector House Lettering And QR Code | XPI Injector Box And Label |

(2) XPI Injector's Customized Service Requirements:

The quantity of customized XPI injectors shall not be less than **10 pieces**.




The quantity of customized XPI injector packages shall not be less than **1000 pieces**.


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 XPI injector is sold, it cannot be returned or exchanged if there is no quality problem.**

1.7. 181565 XPI Injector Packing List and Package Size

(1) XPI Injector Spare Parts List

| No. | 1 | 2 | 3 |
|-------------|---|--|---|
| Image |  |  |  |
| Name | XPI Injector Assembly | Gasket S4327277 | VCI Anti-Rust Bag |
| Description | XPI injector assembly number: 1881565 | The material is made of copper and is used to ensure a tight fit between the tight cap end of the XPI injector and the engine. | Prevent XPI injectors from rusting |
| No. | 4 | 5 | 6 |

| | | | |
|-------------|---|--|---|
| Image |  |  |  |
| Name | Lining | XPI Injector Packaging Box | Anti-rust Paper |
| Description | Prevent the XPI injector from being damaged by external forces | Place the XPI injector and XPI injector accessories | Prevent XPI injectors from rusting |

⚠ Minors are forbidden to use the XPI injector assembly, o-ring, oil nozzle protective cover, XPI injector housing protective cover, oil return protective cover, VCI anti-rust bag, and air bubble bag to avoid personal injury.

⚠ O-ring and oil nozzle gasket are disposable installation accessories, and need to be replaced for re-installation.

⚠ The oil nozzle protective cover, the XPI injector housing protective cover, and the oil return protective cover are recyclable accessories and can be recycled.

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

⚠ The XPI injector and the installation parts should be coated with appropriate sealing oil during installation.

(2) XPI Injector Box Size



Pic No.1

| No. | Name | XPI Injector Package Size (cm) |
|-----|------------------|--------------------------------|
| 1 | XPI Injector Box | 28*8*8 |

1.8. 1881565 XPI Injector Testing Standard and Certificate

Shumatt can provide the factory quality inspection test report of each XPI injector to ensure that each delivered XPI injector 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: _____ 电话: _____ 检测单位: _____ 传真: _____ 客户姓名: _____ 检测描述: _____ 检测名称: _____ 型号-零件号: _____ 检测日期: _____ | | | | | |
| 检测结果 | | | | | |
| 检测项目编号: C090002-05511 检测项目: 喷射压力 喷射时间 喷射频率 喷射量 | | | | | |
| ICAR TEST: | 30 | 4 | 0.5 | 20.0±1.0 | ✓ |
| Back: | 30 | 4 | 150 | 20.0±1.0 | ✓ |
| WAFER: | 30 | 120±10.0 | 0.9 | 20.0±1.0 | ✗ |
| Max: | 20.5 | 210±14.0 | 0.9 | 20.0±1.0 | ✓ |
| TL: | 20.0 | 20.0±0.5 | 0.9 | 20.0±1.0 | ✓ |
| UL: | 14.0 | 10.0±4.0 | 0.9 | 20.0±1.0 | ✓ |
| VE: | 0.9 | 4.0±1.0 | 0.9 | 20.0±1.0 | ✓ |
| 检测人: _____ 检测日期: _____ <input type="checkbox"/> 合格 <input type="checkbox"/> 不合格 | | | | | |

Pic No.2

1.9. 1881565 XPI Injector Warranty Instructions

(1) Product Warranty Conditions and Instructions

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

Within 15 days after customer receives the 1881565 XPI 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 1881565 XPI injector 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 XPI injector house 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) XPI Injector Out of Warranty Coverage

- The warranty period has expired.
- XPI injector failure caused by high temperature, high pressure, humidity, rain and snow, saline-alkali land, earthquake, and used in abnormal environment.
- Customer disassembles or repairs the XPI injector personally resulting in damage to the XPI injector.
- XPI injector damage caused by man-made reasons (throwing, strong magnetic field magnetization, set fire).
- XPI injector failure or XPI injector damage caused by non-XPI injector design, technology, manufacturing, quality, and other issues.
- XPI injector failure due to system pressure exceeding system approved pressure.
- XPI injector failure caused by system voltage exceeding approved voltage.
- XPI injector failure caused by impurities (water, lead, aluminum powder, iron powder, sulfide) in the system fuel exceeding the standard requirements.
- XPI injector 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).
- XPI injector failure caused by not following the installation angle specified in the vehicle engine maintenance manual.
- XPI injector failure caused by not following the cleaning requirements specified in the vehicle engine maintenance manual.
- XPI injector failure caused by failure to replace consumable parts as specified in the vehicle engine maintenance manual.
- XPI injector failure caused by not complying with the intake system fit clearance and exhaust system fit clearance requirements specified in the vehicle engine maintenance manual.
- Failure to replace the consumable parts and the fitting clearance of the oil inlet system pipeline and the XPI injector connection in accordance with the fuel intake system specified in the vehicle engine maintenance manual.

1.10. 1881565 XPI Injector Manufacturer

XPI Injector's Manufacturer: Shenzhen Shumatt Technology Co., Ltd

2. 1881565 XPI Injector Technical Support

2.1. 1881565 XPI Injector Part Number Location

1) E.g.: See the XPI injector part number as follows

| No. | Name |
|-----|---------------------|
| A | Brand, logo, coding |



Pic No.3

2.2. 1881565 XPI Injector Installation Precautions

- (1) The replacement of the XPI injector 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) Strictly follow the operation manual of replacement of wearing parts of the fuel system, cleaning requirements for the connection between the fuel system and the XPI injector, the fitting clearance of the XPI Injector connection, the installation angle and tightening torque of the XPI injector, the fitting clearance of the intake system, and the fitting clearance of the exhaust system, so that to ensure the service life of the engine and the normal operation of the XPI injector.
- (3) When installing the XPI injector on the engine, it is necessary to clean the engine block, cylinder head and other parts connected to the XPI injector, and ensure that there is no dust, carbon deposits, water, rust spots, etc.
- (4) Before installing, check whether the XPI injector nozzle gasket has been replaced and installed on the XPI injector.
- (5) When installing the XPI injector, apply lubricant between the XPI injector, XPI injector nozzle sealing gasket and O-ring.
- (6) If a new gasket is not replaced, it 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 XPI injector and nozzle to break and cause damage to the engine.
- (7) When installing the XPI injector on the engine, please carefully check the components related to the installation of the XPI injector to ensure they are not deformed, such as the XPI injector pressure plate, screw, XPI injector rod and other accessories, and install it in strict accordance with the operation steps of the engine maintenance manual.
- (8) It is forbidden to operate the bare XPI injector for a long time in an environment with serious dust pollution and corrosion to iron products.
- (9) It is forbidden to operate the bare XPI injector for a long time in a strong magnetic field environment.

2.3. 1881565 XPI Injector Reasons for Not Working Normally

- (1) There is air in the oil circuit of the engine fuel system.
- (2) Vehicle fuel XPI injector fuel supply system is abnormal.
- (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 XPI injector of the vehicle.
- (5) The long-term placement of the XPI injector 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 XPI Injector are damaged to prevent the XPI Injector from not working properly after being replaced.

2.4. 1881565 XPI Injector Causes of Being Damaged

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

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

2.5. 1881565 XPI Injector Storage Standard

- (1) Choose a suitable storage place



The warehouse and cargo yard where the XPI injector 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, 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 XPI injectors 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 XPI injectors must be protected from damage.

(3) Keep the warehouse dry and preventing moisture

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

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

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

2.6. 1881565 XPI Injector Technical Support Obtaining Methods

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

(2) XPI Injector 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) XPI Injector 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 XPI injector test data through TruckBook Parts EPC APP.



3. 1881565 XPI Injector Purchase and Delivery

3.1. 1881565 XPI Injector Purchase Payment Term

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

⚠ Please contact our salesmen for specific payment information.

3.2. 1881565 XPI Injector Main Sales Markets

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

3.3. 1881565 XPI Injector 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. 1881565 XPI Injector 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. 1881565 XPI Injector Lead time

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

3.6. 1881565 XPI Injector 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 and is subject to the actual arrival.

3.7. 1881565 XPI Injector Packing

Domestic express packaging: Usually wrapped in waterproof scotch tape, such as picture No.4.


International express packaging: Wrapped with waterproof yellow tape After wrapping the black protective film, such as picture No. 5.

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. 6, 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. | Image | Name | Description |
|-----|---|----------------------------|-----------------------------|
| 1 |  | Domestic Express Packaging | Wrapped by Transparent tape |

| | | | |
|---|---|---------------------------------|---|
| 2 |  | International Express Packaging | Wrapped with yellow tape after wrapping black protective film |
| 3 |  | Pallet Shipping | Use pallet that meet export requirements, and use white wrapping protective film to wrap and bind with cable ties |

4. Company Information




Pic No.4


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. 1881565 XPI Injector Warranty Instructions](#))

5.2. Contact Information

| Name | WeChat/ WhatsApp | Email |
|------|------------------|-------------------|
| Ruby | +86-13410541523 | hison@shumatt.com |

5. Copyright Statement

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