



Diesel Parts

XPI INJECTOR



Common Rail **1933612** D13 Injector Technical File

SKU: Z1K30001933612

SKU: Y2L31933612K6K



Common Rail 1933612 D13 Injector Technical File

content

1. 1933612 D13 Injector Introduction	2
1.1. 1933612 D13 Injector Basic Information.....	2
1.2. 1933612 D13 Injector Common Part Number.....	2
1.3. 1933612 D13 Injector Parameter	2
1.4. 1933612 D13 Injector Specifications and Dimensions.....	2
1.5. 1933612 D13 Injector Quality Control	2
1.6. 1933612 D13 Injector Customized Service.....	3
1.7. 181565 D13 Injector Packing List and Package Size	3
1.8. 1933612 D13 Injector Testing Standard and Certificate.....	5
1.9. 1933612 D13 Injector Warranty Instructions	5
1.10. 1933612 D13 Injector Manufacturer.....	6
2. 1933612 D13 Injector Technical Support.....	6
2.1. 1933612 D13 Injector Part Number Location.....	6
2.2. 1933612 D13 Injector Installation Precautions	7
2.3. 1933612 D13 Injector Reasons for Not Working Normally	8
2.4. 1933612 D13 Injector Causes of Being Damaged	8
2.5. 1933612 D13 Injector Storage Standard	8
2.6. 1933612 D13 Injector Technical Support Obtaining Methods	9
3. 1933612 D13 Injector Purchase and Delivery	10
3.1. 1933612 D13 Injector Purchase Payment Term	10
3.2. 1933612 D13 Injector Main Sales Markets.....	10
3.3. 1933612 D13 Injector Declaration Requirements	10
3.4. 1933612 D13 Injector Shipping Ways	10
3.5. 1933612 D13 Injector Lead time	10
3.6. 1933612 D13 Injector Logistics Time for Destination Out of China's Areas	10
3.7. 1933612 D13 Injector Packing.....	11
4. Company Information	12
5.1. Company Introduction.....	12
5.2. Contact Information	13
5. Copyright Statement	13



Common Rail 1933612 D13 Injector Technical File

1. 1933612 D13 Injector Introduction

1.1. 1933612 D13 Injector Basic Information

Title	Re-manufactured Common Rail D13 Injector 1933612
SKU	Z1K30001933612

1.2. 1933612 D13 Injector Common Part Number

(1) D13 Injector Exchange Information

D13 Injector Part Number	Re-manufacturing Number	Replacement Encoding
1933612	2031835	1881564

(2) D13 Injector Application Information

Vehicle Brand	Car Model	Engine Number
SCANIA	RDC13A、DC16A	XPI

(3) D13 Injector Part Number Common Writing

193361, 2031835, 1881564

1.3. 1933612 D13 Injector Parameter

Adaptation System: Common Rail System

D13 Injector Series: D13 Series

D13 Injector Type: Electromagnetic

1.4. 1933612 D13 Injector Specifications and Dimensions

D13 Injector Size: 26cm* 6cm *6cm

D13 Injector Net Weight:1280g

D13 Injector Gross Weight:1300g

D13 Injector Quality: Re-manufactured

D13 Injector Package Size: 28cm*8 cm *8 cm

D13 Injector Type: High Pressure Common Rail D13 Injector

D13 Injector MOQ: 4 Pieces

1.5. 1933612 D13 Injector Quality Control

(1) D13 Injector Testing

All D13 injector spare parts are tested for electrical characteristics, accuracy, high temperature, low temperature, withstand voltage, leakage, durability, and various working conditions.

(2) D13 Injector Assembling



For the quality control of the D13 injector production and installation process, our company strictly follows the standard product installation data and product installation steps to install, such as D13 injector stroke test, D13 injector solenoid valve tightening torque, D13 injector nozzle tightening torque.

(3) D13 Injector Inspection

The factory inspection of the D13 injector is undergone full inspection, random inspection, and batch inspection three inspections. Different brands of test benches are used to test the same D13 injector for more than three times for factory inspection, and the D13 injector installation testing environment are progressed in dust-free workshop.

1.6. 1933612 D13 Injector Customized Service

(1) **D13 Injector's Customized Service Coverage:** Meet the customized needs of OEM manufacturers for shell lettering, logo engraving, D13 injector internal packaging, D13 injector external packaging and labels customized, etc.

No.	1	2
Image		
Name	D13 Injector House Lettering And QR Code	D13 Injector Box And Label

(2) D13 Injector's Customized Service Requirements:

The quantity of customized D13 injectors shall not be less than **10 pieces**.

The quantity of customized D13 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 D13 injector is sold, it cannot be returned or exchanged if there is no quality problem.**

1.7. 181565 D13 Injector Packing List and Package Size

(1) D13 Injector Spare Parts List




No.	1	2	3
Image			
Name	D13 Injector Assembly	Gasket S4327277	VCI Anti-Rust Bag
Description	D13 injector assembly number: 1933612	The material is made of copper and is used to ensure a tight fit between the tight cap end of the D13 injector and the engine.	Prevent D13 injectors from rusting
No.	4	5	6

Image			
Name	Lining	D13 Injector Packaging Box	Anti-rust Paper
Description	Prevent the D13 injector from being damaged by external forces	Place the D13 injector and D13 injector accessories	Prevent D13 injectors from rusting

⚠ Minors are forbidden to use the D13 injector assembly, o-ring, oil nozzle protective cover, D13 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 D13 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 D13 injector and the installation parts should be coated with appropriate sealing oil during installation.

(2) D13 Injector Box Size



Pic No.1

No.	Name	D13 Injector Package Size (cm)
1	D13 Injector Box	28*8*8

1.8. 1933612 D13 Injector Testing Standard and Certificate

Shumatt can provide the factory quality inspection test report of each D13 injector to ensure that each delivered D13 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: _____ 检测单位: _____ 电话: _____ 客户姓名: _____ 检测描述: _____ 零件名称: _____ 型号-零件号: _____ 检测日期: _____					
检测结果					
检测标准: GB 9000-6511 检测项目: 喷射压力 喷射时间 喷射量 喷射角度					
ISAR TEST:	38	4.5	20.0±1.0	✓	
Back:	38	4.5	20.0±1.0	✓	
WARM:	38	4.5	20.0±1.0	✓	
Max:	20.0	20.0±1.0	20.0±1.0	✓	
TL:	20.0	20.0±1.0	20.0±1.0	✓	
UL:	14.0	14.0±1.0	14.0±1.0	✓	
VE:	12.0	12.0±1.0	12.0±1.0	✓	

Pic No.2

1.9. 1933612 D13 Injector Warranty Instructions

(1) Product Warranty Conditions and Instructions

It is necessary to provide pictures, videos, or test reports detected by the D13 injector inspection equipment when the D13 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) D13 Injector Warranty Coverage

Within 15 days after customer receives the 1933612 D13 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 1933612 D13 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 D13 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) D13 Injector Out of Warranty Coverage

- The warranty period has eD13red.
- D13 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 D13 injector personally resulting in damage to the D13 injector.
- D13 injector damage caused by man-made reasons (throwing, strong magnetic field magnetization, set fire).
- D13 injector failure or D13 injector damage caused by non-D13 injector design, technology, manufacturing, quality, and other issues.
- D13 injector failure due to system pressure exceeding system approved pressure.
- D13 injector failure caused by system voltage exceeding approved voltage.
- D13 injector failure caused by impurities (water, lead, aluminum powder, iron powder, sulfide) in the system fuel exceeding the standard requirements.
- D13 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).
- D13 injector failure caused by not following the installation angle specified in the vehicle engine maintenance manual.
- D13 injector failure caused by not following the cleaning requirements specified in the vehicle engine maintenance manual.
- D13 injector failure caused by failure to replace consumable parts as specified in the vehicle engine maintenance manual.
- D13 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 D13 injector connection in accordance with the fuel intake system specified in the vehicle engine maintenance manual.

1.10. 1933612 D13 Injector Manufacturer

D13 Injector's Manufacturer: Shenzhen Shumatt Technology Co., Ltd

2. 1933612 D13 Injector Technical Support

2.1. 1933612 D13 Injector Part Number Location

1) E.g.: See the D13 injector part number as follows

No.	Name
A	Brand, logo, coding




Pic No.3

2.2. 1933612 D13 Injector Installation Precautions

- (1) The replacement of the D13 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 D13 injector, the fitting clearance of the D13 Injector connection, the installation angle and tightening torque of the D13 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 D13 injector.
- (3) When installing the D13 injector on the engine, it is necessary to clean the engine block, cylinder head and other parts connected to the D13 injector, and ensure that there is no dust, carbon deposits, water, rust spots, etc.
- (4) Before installing, check whether the D13 injector nozzle gasket has been replaced and installed on the D13 injector.
- (5) When installing the D13 injector, apply lubricant between the D13 injector, D13 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 D13 injector and nozzle to break and cause damage to the engine.
- (7) When installing the D13 injector on the engine, please carefully check the components related to the installation of the D13 injector to ensure they are not deformed, such as the D13 injector pressure plate, screw, D13 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 D13 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 D13 injector for a long time in a strong magnetic field environment.


2.3. 1933612 D13 Injector Reasons for Not Working Normally

- (1) There is air in the oil circuit of the engine fuel system.
- (2) Vehicle fuel D13 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 D13 injector of the vehicle.
- (5) The long-term placement of the D13 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 D13 Injector are damaged to prevent the D13 Injector from not working properly after being replaced.

2.4. 1933612 D13 Injector Causes of Being Damaged

- (1) Didn't operate properly according to engine maintenance manual during disassembly or installation, resulting in damage to the D13 injector.
- (2) The fuel oil used for the vehicle does not meet the standard cause damage to the D13 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 D13 injector.
- (4) The abrasion of the D13 injector produces iron powder and aluminum powder enter the D13 injector and cause damage to the D13 injector.
- (5) The deformation and abrasion of fuel tank result in iron powder or aluminum powder entering the D13 injector and causing damage to the D13 injector.
- (6) The D13 injector is damaged due to replacement or adjustment of the relevant parts of the D13 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 D13 injector fails to meet the original standard.
- (7) The engine is overheated and overloaded for a long-time working result in damage to the D13 injector.
- (8) The D13 injector will be damaged naturally at the end of its working life.
- (9) The D13 injector is magnetized (D13 injector parts' magnetic exceeded) causing the D13 injector to not work properly.

 Before replacing the D13 injector, please check the engine parts carefully according to the engine maintenance manual to avoid the D13 injector being damaged again after replacement.

2.5. 1933612 D13 Injector Storage Standard

- (1) Choose a suitable storage place

The warehouse and cargo yard where the D13 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 D13 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 D13 injectors must be protected from damage.

(3) Keep the warehouse dry and preventing moisture

The relative humidity is usually below 70% for the D13 injectors placed in the room, and the corrosion of the D13 injectors is significantly reduced.

D13 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 D13 injector is exposed to rain, the corrosion rate will increase significantly. The purpose of sealing is to isolate the D13 injector from rainwater and humid air, so the warehouse window should be checked in time to avoid rainwater entering the warehouse

If the D13 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 D13 injector exposed in the air for a long time.

 It is forbidden to store acids, alkali, salt, and other substances together with the D13 injector.

 The unpacked D13 injector must be rust-proof during secondary storage.

2.6. 1933612 D13 Injector Technical Support Obtaining Methods

(1) D13 Injector Technical File , visit <http://shumatt.com> to get the technical file.

(2) D13 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) D13 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 D13 injector test data through TruckBook Parts EPC APP.



3. 1933612 D13 Injector Purchase and Delivery

3.1. 1933612 D13 Injector Purchase Payment Term

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

⚠ Please contact our salesmen for specific payment information.

3.2. 1933612 D13 Injector Main Sales Markets

D13 injector main sales markets: Asia, Europe, North America, South America, Africa etc.

3.3. 1933612 D13 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. 1933612 D13 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. 1933612 D13 Injector Lead time

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

3.6. 1933612 D13 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. 1933612 D13 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. 1933612 D13 Injector Warranty Instructions](#))

5.2. Contact Information

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

5. Copyright Statement

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