

Original New **F019D03313** Diesel Pump Plunger **CPN2S2 Series** Technical File

SKU1: Y1W20F019D03313

SKU2: Y1Y3F019D03313

Diesel Pump Parts

PLUNGER

CP1 CP2 CP4 CB18 Series

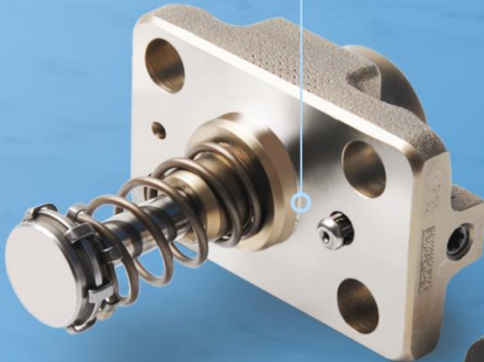
CP4



CP4



CP1



CP2.2



CB18



F019D03313 Diesel Pump Plunger CPN2S2 Series Technical File

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F019D03313 Diesel Pump Plunger CPN2S2 Series Technical File

1. F019D03313 Diesel Pump Plunger Introduction

1.1. F019D03313 Diesel Pump Plunger Basic Information

| Title | F019D03313 CPN2S2 Series Diesel Pump Plunger | Quality |
|-------|--|--------------|
| SKU 1 | Y1W20F019D03313 | Original New |
| SKU 2 | Y1Y3F019D03313 | Original New |

1.2. F019D03313 Diesel Pump Plunger Common Part Number

(1) Diesel Pump Plunger Exchange Information

| Diesel Pump Plunger Part Number | OE Number |
|---------------------------------|------------|
| F019D03313 | F019D03317 |

(2) Diesel Pump Plunger Application Information

| Oil Pump Part Number | Vehicle Brand | Engine Model | Cylinder | Voltage |
|----------------------|------------------|--------------|----------|---------|
| 0445020102 | FAW | / | / | / |
| 0445020116 | WEICHAI POWER | / | / | / |
| 0445020144 | FAW | / | / | / |
| 0445020163 | WEICHAI POWER | / | / | / |
| 0445020164 | WEICHAI POWER | / | / | / |
| 0445020165 | WEICHAI POWER | / | / | / |
| 0445020174 | YUCHAI MACHINERY | / | / | / |
| 0445020177 | FAW | / | / | / |
| 0445020184 | YUCHAI MACHINERY | / | / | / |
| 0445020239 | / | / | / | / |
| 0445020240 | WEICHAI POWER | / | / | / |
| 0445020244 | / | / | / | / |
| 0445020245 | WEICHAI POWER | / | / | / |
| 0445020246 | / | / | / | / |
| 0445020247 | WEICHAI POWER | / | / | / |

(3) Diesel Pump Plunger Common Writing

F019D03313, F019D03317

1.3. F019D03313 Diesel Pump Plunger Parameter

Adaptation System: **Common Rail System**

Diesel Pump Plunger Series: **CPN2S2 Series**

Diesel Pump Plunger Type: **High Pressure Common Rail Diesel Pump Plunger**

1.4. F019D03313 Diesel Pump Plunger Specifications And Dimensions

Diesel Pump Plunger Size: **14cm* 6cm *3cm**

Diesel Pump Plunger Net Weight: **760g**

Diesel Pump Plunger Gross Weight: **500g**

Diesel Pump Plunger Quality: **Original New**

Diesel Pump Plunger Package Size: **17cm* 11cm *7cm**

Diesel Pump Plunger MOQ: **1 Pieces**

1.5. F019D03313 Diesel Pump Plunger Quality Control

(1) Diesel Pump Plunger Testing

All diesel pump plungers are tested for electrical characteristics, accuracy, high temperature, low temperature, withstand voltage, leakage, durability, and various working conditions.

(2) Diesel Pump Plunger Assembling

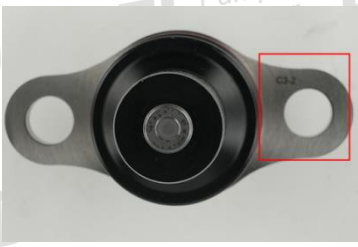


For the quality control of the diesel pump plunger production and installation process, our company strictly follows the standard product installation data and product installation steps to install.

(3) Diesel Pump Plunger Inspection

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

1.6. F019D03313 Diesel Pump Plunger Customized Service

(1) **Diesel Pump Plunger Customized Service Coverage:** Meet the customized needs of OEM manufacturers for shell lettering, logo engraving, diesel pump plunger internal packaging, diesel pump plunger external packaging and labels customized, etc.

| | | |
|---|--|---|
|  |  |  |
| Diesel Pump Plunger Housing Label | White Neutral Packaging Box | White Label |

(2) Diesel Pump Plunger Customized Service Requirements:

The quantity of customized diesel pump plungers shall not be less than **10 pieces**.

The quantity of customized diesel pump plunger 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 diesel pump plunger is sold, it cannot be returned or exchanged if there are no**

quality problems.

1.7. F019D03313 Diesel Pump Plunger Packing List and Package Size

(1) Diesel Pump Plunger Spare Parts List

| No. | 1 | 2 | 3 |
|-------------|---|--|---|
| Image |  |  |  |
| Name | Diesel Pump Plunger | Bubble Bag | White Anti-rust Bag |
| Description | Diesel pump plunger part number: F019D03313 | Prevent the diesel pump plunger from being damaged by external forces | Prevent diesel pump plunger from rusting |
| No. | 4 | 5 | 6 |
| Image |  |  | / |
| Name | Desiccant | Diesel Pump Plunger Packing Box | / |
| Description | Prevent diesel pump plunger from rusting; absorb moisture | Place the diesel pump plunger and diesel pump plunger accessories | / |

⚠ Minors are prohibited from using the diesel pump plunger assembly, O-rings, diesel pump plunger housing covers, oil return covers, VCI anti-rust bags, and bubble bags to avoid personal injury.

⚠ The diesel pump plunger housing cover and oil return cover are recyclable accessories and can be recycled.

⚠ VCI anti-rust bags and bubble bags are non-degradable materials. Please dispose of them properly after use.

⚠ The diesel pump plunger and the installation parts guide tube should be treated with appropriate

sealing oil during installation.

(2) Diesel Pump Plunger Box Size



Pic No. 1

| No. | Name | Diesel Pump Plunger Packing Size (cm) |
|-----|-------------------------|---|
| 1 | Diesel Pump Plunger Box | 17*11*7 |

1.8. F019D03313 Diesel Pump Plunger Testing Standard and Certificate

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

| BOTEN | | 测试报告 | | 4.05.2019 10:42:09 | |
|--|------|-------------|------------|--------------------|--|
| 企业名称: _____ 电话: _____ 地址: _____ 传真: _____ 检测人: _____ 客户地址: _____ 检测单位: _____ 电话: _____ 客户姓名: _____ 检测日期: _____ 检测名称: 检测项目: _____ 型号-零件号: _____ 检测内容: _____ | | | | | |
| 检测结果 | | | | | |
| 检测项目编号: C00000-0511 检测时间: 2019.05.05 10:42:09 检测地点: 检测人: 检测单位: 检测日期: 检测结果: | | | | | |
| LEAK TEST: | 38 | 4.5 | 20.0 ± 1.0 | ✓ | |
| Back: | 38 | 4.5 | 20.0 ± 1.0 | ✓ | |
| WAFER: | 38 | 4.5 | 20.0 ± 1.0 | ✓ | |
| Max: | 2015 | 2015 ± 14.4 | 0.0 | ✓ | |
| TL: | 28.4 | 28.4 ± 0.5 | 0.0 | ✓ | |
| EL: | 14.1 | 14.1 ± 0.4 | 0.0 | ✓ | |
| VE: | 4.2 | 4.2 ± 0.2 | 0.0 | ✓ | |

Pic No. 2

1.9. F019D03313 Diesel Pump Plunger Warranty Instructions

(1) Product Warranty Conditions and Instructions

It is necessary to provide pictures, videos, or test reports detected by the diesel pump plunger inspection equipment when the diesel pump plunger is abnormal during use as evidence to feed back to the salesman.

Abnormal conditions are properly explained such as: 1.Smoke, 2. Engine shake, 3. Difficulty starting the engine, 4. Engine noise, 5. oil leakage etc.

(2) Diesel Pump Plunger Warranty Coverage

Within 15 days after customer receives the F019D03313 diesel pump plunger, if there is a performance failure and the product has no appearance damage, customer can choose to replace it or repair it;

If the F019D03313 diesel pump plunger has performance problems during the warranty period (6-12 months), and it is confirmed that it is product's problems after testing, you can contact our salesmen to replace the same model or a reworked product with the same performance for free;

If the diesel pump plunger 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) Diesel Pump Plunger Out of Warranty Coverage

- ① The warranty period has expired.
- ② Diesel pump plunger 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 diesel pump plunger personally resulting in damage to the diesel pump plunger.
- ④ Diesel pump plunger damage caused by man-made reasons (throwing, strong magnetic field magnetization, set fire).
- ⑤ Diesel pump plunger failure or diesel pump plunger damage caused by non-diesel pump plunger design, technology, manufacturing, quality, and other issues.
- ⑥ Diesel pump plunger failure due to system pressure exceeding system approved pressure.
- ⑦ Diesel pump plunger failure caused by system voltage exceeding approved voltage.
- ⑧ Diesel pump plunger failure caused by impurities (water, lead, aluminum powder, iron powder, sulfide) in the system fuel exceeding the standard requirements.
- ⑨ Diesel pump plunger 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).
- ⑩ Diesel pump plunger failure caused by not following the installation angle specified in the vehicle engine maintenance manual.
- 11 Diesel pump plunger failure caused by not following the cleaning requirements specified in the vehicle engine maintenance manual.
- 12 Diesel pump plunger failure caused by failure to replace consumable parts as specified in the vehicle engine maintenance manual.
- 13 Diesel pump plunger 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 diesel pump plunger connection in accordance with the fuel intake system specified in the vehicle engine maintenance manual.

2. F019D03313 Diesel Pump Plunger Technical Support

2.1. F019D03313 Diesel Pump Plunger Part Number Location

(1) E.g.: See the diesel pump plunger part number as follows:



Pic No. 3

| No. | Name |
|-----|------------------------------|
| A | Nameplate, logo, part number |

2.2. F019D03313 Diesel Pump Plunger Installation Precautions

- (1) The replacement of the diesel pump plunger must strictly follow the electrical system, the approved pressure of the low-pressure fuel intake system, the approved pressure of the high-pressure fuel circuit system, and fuel system replacement consumables requirements (including the low-pressure fuel circuit system filter and the high-pressure fuel circuit) specified in the vehicle engine maintenance manual.
- (2) Replacement of wearing parts of the fuel system, cleaning requirements for the connection between the fuel system and the diesel pump plunger, the fitting clearance of the diesel pump plunger connection, the installation angle and tightening torque of the diesel pump plunger, the fitting clearance of the intake system, and the fitting clearance of the exhaust system to ensure the service life of the engine and the normal operation of the diesel pump plunger.
- (3) When installing the diesel pump plunger on the engine, it is necessary to clean the engine block, cylinder head and other parts connected to the diesel pump plunger, and ensure that there is no dust, carbon deposits, water, rust spots, etc.
- (4) When installing the diesel pump plunger on the engine, please carefully check the components related to the installation of the diesel pump plunger, such as the diesel pump plunger pressure plate, screw, diesel pump plunger rod and other accessories are not deformed, and install it in strict accordance with the operation steps of the engine maintenance manual.
- (5) It is forbidden to operate the bare diesel pump plunger for a long time in an environment with serious dust pollution and corrosion to iron products.
- (6) It is forbidden to operate the bare diesel pump plunger for a long time in a strong magnetic field environment.

2.3. F019D03313 Diesel Pump Plunger Not Working Normally

- (1) There is air in the oil circuit of the engine fuel system.
- (2) Vehicle oil pump's oil supply system is not normal.
- (3) Engine common rail system oil leakage or pressure limiting valve damage.
- (4) There is a short circuit, cutting out and poor contact in the wiring harness connected to the diesel pump plunger of the vehicle.
- (5) The long-term placement of the diesel pump plunger causes the anti-rust oil to solidify, and the internal components are stuck or the oil holes are blocked.



Before installing, carefully check whether other components in the common rail system except the diesel pump plunger are damaged to prevent the diesel pump plunger from not working properly after being replaced.

2.4. F019D03313 Diesel Pump Plunger Causes of Being Damaged

- (1) Didn't operate properly according to engine maintenance manual during disassembly or installation, resulting in damage to the diesel pump plunger.
- (2) The fuel oil used for the vehicle does not meet the standard cause damage to the diesel pump plunger, such as: the water content in the fuel oil exceeds the standard, iron powder, aluminum powder, sulfide impurities exceed the standard, etc.
- (3) The engine is not regularly maintained according to the engine maintenance manual (please refer to the vehicle maintenance manual for the maintenance mileage). For example, failure to replace the lubricating oil of the engine system for a long time will cause abnormal wear of the engine, excessive exhaust gas volume or a large amount of carbon deposits inside the engine. The filter is not replaced

during maintenance or the replaced filter cannot reach the original filter standard. all above reasons can cause damage to the diesel pump plunger.

- (4) The abrasion of the diesel pump plunger produces iron powder and aluminum powder enter the diesel pump plunger and cause damage to the diesel pump plunger.
- (5) The deformation and abrasion of fuel tank result in iron powder or aluminum powder entering the diesel pump plunger and causing damage to the diesel pump plunger.
- (6) The diesel pump plunger is damaged due to replacement or adjustment of the relevant parts of the diesel pump plunger. For example, the valve clearance does not meet the standard after the engine is repaired, the replacement or modification of the wiring harness connected to the diesel pump plunger fails to meet the original standard.
- (7) The engine is overheated and overloaded for a long-time working result in damage to the diesel pump plunger.
- (8) The diesel pump plunger will be damaged naturally at the end of its working life.
- (9) The diesel pump plunger is magnetized (diesel pump plunger parts' magnetic exceeded) causing the diesel pump plunger to not work properly.

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

2.5. F019D03313 Diesel Pump Plunger Storage Standard

(1) Choose a Suitable Storage Place

The warehouse and cargo yard where the diesel pump plunger is stored should be kept clean and dry, and away from the factory buildings that generate harmful gases and dust; do not mix with acids, 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 diesel pump plungers are put into storage, the surface cleaning work should be done well to remove water traces, oil stains, ashes, and other dirt, remove the rust and do anti-rust treatment in time. Packaged diesel pump plungers must be protected from damage.

(3) Keep The Warehouse Dry And Preventing Moisture

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

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

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

⚠ It is forbidden to leave the diesel pump plunger exposed in the air for a long time.

⚠ It is forbidden to store acids, alkalis, salts, and other substances together with the diesel pump plunger.

⚠ The unpacked diesel pump plunger must be rust-proof during secondary storage.

2.6. F019D03313 Diesel Pump Plunger Technical Support Obtaining Methods

- (1) Diesel Pump Plunger Technical Data: <https://www.dieselpumpplunger.com/download/>
- (2) Diesel Pump Plunger Videos: <https://www.dieselpumpplunger.com/videos/>
- (3) Diesel Pump Plunger Encyclopedia: <https://www.dieselpumpplunger.com/category/news/encyclopedia/>

3. F019D03313 Diesel Pump Plunger Purchase and Delivery

3.1. F019D03313 Diesel Pump Plunger Purchase Payment Term

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

⚠ Please contact our salesmen for specific payment information.

3.2. F019D03313 Diesel Pump Plunger Main Sales Markets

Diesel Pump Plunger Main Sales Markets: Asia, Europe, North America, South America, Africa etc.

3.3. F019D03313 Diesel Pump Plunger 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. F019D03313 Diesel Pump Plunger Shipping Ways

Destination in China Areas: SF Express, Debon Express, the corresponding logistics company can be provided according to customer requirements in special cases.

Destinations Out of China's Areas: DHL, UPS, FedEx, TNT air, ocean or other shipping methods required by customers.

3.5. F019D03313 Diesel Pump Plunger Lead Time

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

3.6. F019D03313 Diesel Pump Plunger Logistics Time for Destination Out of China's Areas

DHL Logistics Time:

| Country or Region of Departure | Hong Kong, China | Other Countries or Regions of Asia | Australia and New Zealand | Europe | America | Other Countries |
|--------------------------------|------------------|------------------------------------|---------------------------|--------|-----------|-----------------|
| China's Mainland | 7 Days | 7 Days | 8 Days | 8 Days | 8-12 Days | 7-10 Days |

UPS Logistics Time: Country or Region of Departure: China's Mainland

| Country of Destination | Estimated Arrival Time | Country of Destination | Estimated Arrival Time | Country of Destination | Estimated Arrival Time |
|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|

| | | | | | |
|-------------|-----------|-------------|-----------|----------------------|-----------|
| Japan | 3 Days | UK | 5-7Days | Egypt | 5-7 Days |
| Turkey | 5-7 Days | Singapore | 3 Days | Switzerland | 5-7 Days |
| Bahrain | 5-7 Days | Latvia | 7-10 Days | New Zealand | 7-10 Days |
| Sri Lanka | 5-7 Days | Thailand | 3 Days | Austria | 5-7 Days |
| Romania | 5-7 Days | Vietnam | 3-5 Days | Estonia | 5-7 Days |
| Malaysia | 3-5 Days | Israel | 5-7 Days | Mexico | 7-10 Days |
| France | 5-7 Days | America | 5-7 Days | United Arab Emirates | 5-7 Days |
| Italy | 5-7 Days | Netherlands | 5-7 Days | Bengal | 7-10 Days |
| Lebanon | 5-7 Days | Philippine | 3-5 Days | Greece | 7-10 Days |
| South Korea | 3 Days | Spain | 5-7 Days | Myanmar | 5-7 Days |
| Canada | 5-7 Days | Germany | 5-7 Days | Saudi Arabia | 7-10 Days |
| Portugal | 5-7 Days | Australia | 5-7 Days | South Africa | 7-10 Days |
| Denmark | 5-7 Days | Belgium | 5-7 Days | Ukraine | 7-10 Days |
| India | 7-10 Days | Qatar | 7-10 Days | Poland | 5-7 Days |
| Indonesia | 3-5 Days | Morocco | 7-10 Days | Pakistan | 7-10 Days |
| Kuwait | 7-10 Days | / | / | / | / |

⚠ The logistics time is for reference only and is subject to the actual arrival.

3.7. F019D03313 Diesel Pump Plunger Packing

Domestic Express Packaging: Usually wrapped in waterproof scotch tape, such as picture No. 4.


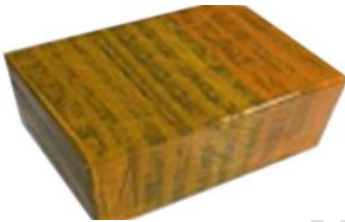

International Express Packaging: Wrapped with waterproof yellow tape After wrapping the black protective film, such as picture No. 5.

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. | 1 | 2 | 3 |
|-------|---|--|---|
| Image |  |  |  |

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

4. Company Information



- Office Locations
- Global Exhibitions

Pic No. 7

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'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. F019D03313 Diesel Pump Plunger Warranty Instructions](#))

4.2. Contact Information

| Name | WeChat/ WhatsApp |
|------|------------------|
| Ruby | +86-13410541523 |

5. Copyright Statement

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