

6516003-Q60 Injector Repair Kit **Q23/QSK60** Series Technical File

SKU: G1K36516003Q60



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6516003-Q60 Injector Repair Kit Q23/QSK60 Series Technical File

1. 6516003-Q60 Injector Repair Kit Introduction

1.1. 6516003-Q60 Injector Repair Kit Basic Information

Title	Common Rail 6516003-Q60 Injector Repair Kit Q23/QSK60 Series	Quality
SKU	G1K36516003Q60	China Made New

1.2. 6516003-Q60 Injector Repair Kit Common Part Number

(1) Injector Repair Kit Exchange Information

Injector Repair Kit Part Number	Re-manufacturing Number
6516003-Q60	/

(2) Injector Repair Kit Application Information

Injector Model	Vehicle Brand	Engine Number
/	/	/

(3) Injector Repair Kit Part Number Common Writing

6516003-Q60

1.3. 6516003-Q60 Injector Repair Kit Parameter

Adaptation System: Common Rail System

Injector Repair Kit Series: Q23/QSK60 Series

Injector Repair Kit Type: High Pressure Common Rail Injector Repair Kit

1.4. 6516003-Q60 Injector Repair Kit Specifications and Dimensions

Injector Repair Kit Size: 9cm* 8cm *1cm

Injector Repair Kit Net Weight: 35g

Injector Repair Kit Gross Weight: 55g

Injector Repair Kit Quality: China Made New

Injector Repair Kit Package Size: 14cm* 11cm *2cm

Injector Repair Kit MOQ: 10 Pieces

1.5. 6516003-Q60 Injector Repair Kit Quality Control

(1) Injector Repair Kit Testing

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

(2) Injector Repair Kit Assembling

For the quality control of the injector repair kit production and installation process, our company strictly follows the standard product installation data and product installation steps to install, such as injector repair kit stroke test, injector repair kit fatigue spring testing

(3) Injector Repair Kit Inspection

The factory inspection of the injector repair kit is undergone full inspection, random inspection, and

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

1.6. 6516003-Q60 Injector Repair Kit Customized Service

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



- (2) **Injector Repair Kit's Customized Service Requirements:**

The quantity of customized injector repair kits shall not be less than **10 pieces**.

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

1.7. 6516003-Q60 Injector Repair Kit Packing List and Packing Size

- (1) **Injector Repair Kit Spare Parts List**

No.	1	2	3
Image			
Name	Injector repair kit assy	Desiccant	White Anti-Rust bag

Description	Injector repair kit assy number: 6516003-Q60	Prevent rust; absorb moisture	Prevent fuel injector repair kits from rusting
No.	4	5	6
Image		/	/
Name	Injector repair kit packing	/	/
Description	Place the injector repair kit	/	/

⚠ Minors are forbidden to use the injector repair kit assembly, O-ring, valve, Desiccant, VCI anti-rust bag to avoid personal injury.

⚠ O-ring, valve, Desiccant, VCI anti-rust bag are disposable installation accessories, and need to be replaced for re-installation.

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

⚠ The injector repair kit and the installation part guide tube should be coated with appropriate sealing oil during installation.

(2) Injector Repair Kit Packing Size



No.	Name	Injector Repair Kit Package Size (cm)
1	Injector Repair Kit Packaging Box	14*11*2

1.8. 6516003-Q60 Injector Repair Kit Testing Standard and Certificate

Shumatt can provide the factory quality inspection test report of each injector repair kit to ensure that each delivered injector repair kit 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					
检测标准: C95003-0511 检测项目: 喷射压力 喷射角度 喷射流量 喷射雾化					
LEAK TEST:	3.8	0.0	0.5	20.0±1.0	✓
Back:	3.8	4	15.0	20.0±1.0	✓
WIPER:	3.8	147.5±10.5	0.0	20.0±1.0	✓
Max:	291.5	291.5±14.4	0.0	20.0±1.0	✓
TL:	28.4	28.4±8.5	0.0	20.0±1.0	✓
EL:	14.1	14.1±4.8	0.0	20.0±1.0	✓
VE:	4.5	4.5±1.6	0.0	20.0±1.0	✓
检测人: _____ 检测日期: _____ 检测地点: _____ 检测时间: _____					

1.9. 6516003-Q60 Injector Repair Kit Warranty Instructions

(1) Product Warranty Conditions and Instructions

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

Within 15 days after customer receives the 6516003-Q60 injector repair kit, if there is a performance failure and the product has no appearance damage, customer can choose to replace it or repair it;

If the 6516003-Q60 injector repair kit 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 injector repair kit 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) Injector Repair Kit Out of Warranty Coverage

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

1.10. 6516003-Q60 Injector Repair Kit Manufacturer

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

2. 6516003-Q60 Injector Repair Kit Technical Support

2.1. 6516003-Q60 Injector Repair Kit Installation

(1) 6516003-Q60 Injector Repair Kit Installation Precautions:

⚠ The replacement of the injector repair kit 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.

⚠ 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 injector repair kit, the fitting clearance of the injector repair kit connection, the installation angle and tightening torque of the injector repair kit, 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 injector repair kit.

⚠ When installing the injector repair kit on the engine, it is necessary to clean the engine block, cylinder head and other parts connected to the injector repair kit, and ensure that there is no dust, carbon deposits, water, rust spots, etc.

⚠ When installing the injector repair kit on the engine, please carefully check the components related to the installation of the injector repair kit to ensure they are not deformed, such as the injector repair kit pressure plate, screw, rod and other accessories, and install it in strict accordance with the operation steps of the engine maintenance manual.

⚠ It is forbidden to operate the bare injector repair kit for a long time in an environment with serious dust pollution and corrosion to iron products.

⚠ It is forbidden to operate the bare injector repair kit for a long time in a strong magnetic field environment.

2.2. 6516003-Q60 Injector Repair Kit Reasons for Not Working Normally

- (1) There is air in the oil circuit of the engine fuel system.
- (2) Vehicle fuel injector repair kit 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 injector repair kit of the vehicle.
- (5) The long-term placement of the injector repair kit 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

injector repair kit are damaged to prevent the injector repair kit from not working properly after being replaced.

2.3. 6516003-Q60 Injector Repair Kit Causes of Being Damaged

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

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

2.4. 6516003-Q60 Injector Repair Kit Technical Support Obtaining Methods

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

- (2) Injector Repair Kit 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) Injector Repair Kit 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 injector repair kit test data through TruckBook Parts EPC APP.

3. 6516003-Q60 Injector Repair Kit Purchase and Delivery

3.1. 6516003-Q60 Injector Repair Kit Purchase Payment Term

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

⚠ Please contact our salesmen for specific payment information.

3.2. 6516003-Q60 Injector Repair Kit Main Sales Markets

Injector repair kit main sales markets: Asia, Europe, North America, South America, Africa etc.

3.3. 6516003-Q60 Injector Repair Kit 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. 6516003-Q60 Injector Repair Kit 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. 6516003-Q60 Injector Repair Kit Lead time

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

3.6. 6516003-Q60 Injector Repair Kit 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. 6516003-Q60 Injector Repair Kit 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.

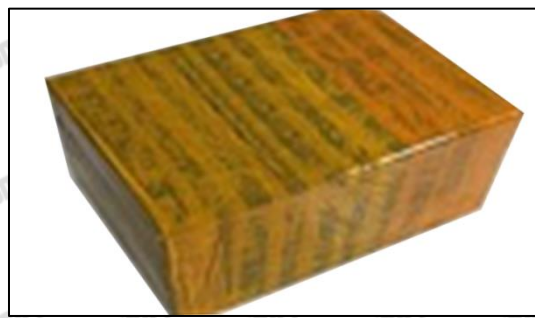
⚠ Minors are prohibited from using transparent tape, yellow tape, black wrapping protective film, and white wrapping protective film to avoid personal injury.



Pic No. 1

Domestic express packaging:

Wrapped with Transparent tape



Pic No. 2

International express packaging:

Wrapped with yellow tape after wrapping black protective film



Pic No. 3

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

4. 6516003-Q60 Injector Repair Kit Storage Standard**(1) Choose a suitable storage place**

The warehouse and cargo yard where the injector repair kit 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 injector repair kits 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 repair kits must be protected from damage.

(3) Keep the warehouse dry and preventing moisture

The relative humidity is usually below 70% for the injector repair kits placed in the room, and the

corrosion of the injector repair kits is significantly reduced.

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

If the injector repair kit 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 repair kit exposed in the air for a long time.

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

⚠ The unpacked injector repair kit 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

📞 **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. 6516003-Q60 Injector Repair Kit Warranty Instructions](#))

5.2. Sales-men's Contact Information

No.	Name	WeChat/WhatsApp	Email
1	Ruby	+86-13410541523	ruby@shumatt.com
2	Ivy	+86-18025299821	sales@shumatt.com
3	Rebecca	+86-18025349821	sales01@shumatt.com
4	Janny	+86-18028749821	sales02@shumatt.com
5	Sam	+86-13316859821	Sales8@shumatt.com
6	Natalie	+86- 18938945856	sales15@shumatt.com
7	Ada	+86-1342286353	sales5@shumatt.com
8	Hison Li	+86-18318811871	web@shumatt.com
9	Mecca	+86-18938948618	sales11@shumatt.com
10	Eric	+86 18319033618	sales3@shumatt.com
11	Wayne (Joaquín en español)	+86-13316959821	wayne@shumatt.com
12	Sylvia	+86 18312499884	sales6@shumatt.com

Visit <http://shumatt.com> to obtain the latest information of salesmen

PS: Shumatt's sales-men's emails are all end with [@shumatt.com](#)

6. Copyright Statement

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