

102-3174 Injector Repair Kit C10/C12/3176 Series Technical File

SKU: G1K30001023174



102-3174 Injector Repair Kit C10/C12/3176 Series Technical File

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102-3174 Injector Repair Kit C10/C12/3176 Series Technical File

1. 102-3174 Injector Repair Kit Introduction

1.1. 102-3174 Injector Repair Kit Basic Information

Title	102-3174 Injector Repair Kit C10/C12/3176 Series	Quality
SKU	G1K30001023174	China Made New

1.2. 102-3174 Injector Repair Kit Common Part Number

(1) Injector Repair Kit Exchange Information

Injector Repair Kit Number	Universal Number	Applicable Models	OE Number
102-3174	/	/	/

(2) Injector Repair Kit Application Information

Model	OE Number	Brand	Engine number
212-3463	10R-0963	/	/
212-3467	10R-1259	/	/
212-3468	10R-1258	/	/
350-7555	20R-0056	/	/
211-3026	10R-9787	/	/
317-5278	20R-0055	/	/
374-0751	30R-0004	/	/
374-0705	/	/	/
291-5911	10R-7230	/	/
276-8307	10R-7231	/	/
253-0618	10R-2772	/	/
253-0616	10R-3265	/	/
211-3028	10R-7228	/	/

295-9085	10R-8988	/	/
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(3) Injector Repair Kit Common Writing

102-3174

1.3. 102-3174 Injector Repair Kit Parameter

Adaptation System: Common Rail System

Injector Repair Kit Series: CR/C10/C12/3176

Injector Repair Kit Type: High Pressure Pump,CR System

1.4. 102-3174 Injector Repair Kit Specifications And Dimensions

Injector Repair Kit Size: 6cm* 5cm *1cm

Injector Repair Kit Net Weight: 10g

Injector Repair Kit Gross Weight: 24g

Injector Repair Kit Quality: China Made New

Injector Repair Kit Package Size: 11cm* 8cm *2cm

Injector Repair Kit MOQ: 10 Pieces

1.5. 102-3174 Injector Repair Kit Quality Control

(1) Injector Repair Kit Testing

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

(2) Injector Repair Kit Assembling

In addition, the injector repair kit production and installation process quality control, our company strictly follows the standard product installation data and product installation steps for installation, such as injector repair kit stroke test, injector repair kit solenoid valve tightening torque.

(3) Injector Repair Kit Inspection

The injector repair kit factory inspection is tested three times: full inspection, random inspection, and batch inspection. The injector repair kit factory inspection will use different brands of test benches to test the same injector repair kit for a total of no less than three times. The injector repair kit installation and testing environment is completed in a dust-free workshop.

1.6. 102-3174 Injector Repair Kit Customized Service

(1) Injector Repair Kit 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.

Used in: 6405001-C12
Injector Repair Kit

Injector Repair Kit Label

(2) Injector Repair Kit Customized Service Requirements:

The sales of customized injector repair kit products shall not be less than **10 units**.

The packaging of customized injector repair kits 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 are no quality problems.

1.7. 102-3174 Injector Repair Kit Packing List and Package Size**(1) Injector Repair Kit Spare Parts List**

No.	1	2	3
Image			
Name	Injector Repair Kit Assembly	Desiccant	White anti-rust bag
Description	Injector repair kit assembly number: 102-3174	Prevent rust; absorb moisture	Prevent the injector repair kit from rusting
No.	4	5	6
Image			/
Name	Injector Repair Kit Packaging Box	Injector Repair Kit	/
Description	Place the Injector repair kit	Complete set of accessories, 4 pieces.	/

- ⚠ Minors are prohibited from using the injector repair kit assembly, O-rings, desiccant, injector, VCI anti-rust bag, and bubble bag to avoid personal injury.
- ⚠ O-rings, desiccant and VCI anti-rust bag are disposable installation accessories and need to be replaced for reinstallation.
- ⚠ VCI rust-proof bags and desiccants are non-biodegradable materials. Dispose of them properly after use.
- ⚠ The injector repair kit and installation parts guide tube should be treated with appropriate sealing fuel during installation.

(2) Injector Repair Kit Box Size

No.	Name	Injector Repair Kit Packing Size (cm)
1	Injector Repair Kit Box	11*8*2

1.8. 102-3174 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 injector repair kit delivered meets the engine performance indicators.

BOTEN		测试报告	4.05.2019 10:42:09
承修企业: _____			
电话:	_____	地址:	_____
传真:	_____	检测人:	_____
客户登记:	_____	检测单位:	_____
传真:	_____	客户姓名:	_____
检测描述: _____			
备注名称: 检测报告			
型号-零件号: _____			
检测内容: _____			
检测结果			
进样量: 0.000-0.511			
检测项目	检测结果	检测值	检测状态
LEAK TEST:	38	4	✓
Back:	38	4	✓
WARM:	38	40.3±1.5	✓
Mass:	20.5	21.9±1.4	✓
TU:	20.4	20.4±0.5	✓
UL:	14.1	13.0±0.8	✓
VE:	47	4.4±1.8	✓
检测前 <input type="checkbox"/> 检测后 <input type="checkbox"/> 没有检测 <input type="checkbox"/>			

1.9. 102-3174 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. Fuel leakage etc.

(2) Injector Repair Kit Warranty Coverage

Within 15 days after customer receives the 102-3174 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 102-3174 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 and is not covered by the warranty.

- ② Injector repair kit failure caused by high temperature, high pressure, humidity, rain and snow, saline-alkali land, earthquake, and abnormal environment.
- ③ The customer privately disassembles or repairs the injector repair kit, causing the injector repair kit to be damaged.
- ④ Injector repair kit damage caused by human factors (throwing, strong magnetic field magnetization, arson).
- 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 caused by system pressure exceeding the approved system pressure.
- ⑦ Injector repair kit failure caused by system voltage exceeding the approved voltage.
- ⑧ Impurities (water, lead, aluminum powder, iron powder, sulfide) in the system fuel exceed the standard requirements and cause injector repair kit failure.
- ⑨ Injector repair kit failure caused by not installing according to the tightening torque specified in the vehicle engine maintenance manual (tightening torque is too large or too small).
- ⑩ Injector repair kit failure caused by failure to follow the installation angle specified in the vehicle engine maintenance manual.
- ⑪ Injector repair kit failure caused by failure to comply with the cleaning requirements specified in the vehicle engine maintenance manual.
- ⑫ Injector repair kit failure caused by failure to replace wearing parts in accordance with the requirements specified in the vehicle engine maintenance manual.
- ⑬ Injector repair kit failure is caused by not following the intake system clearance and exhaust system clearance requirements specified in the vehicle engine maintenance manual.
- ⑭ Injector repair kit failure is caused by not replacing the wearing parts of the fuel intake system and the clearance between the fuel intake system pipeline and the injector repair kit connection specified in the vehicle engine maintenance manual.

1.10. 102-3174 Injector Repair Kit Manufacturer

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

2. 102-3174 Injector Repair Kit Technical Support

2.1. 102-3174 Injector Repair Kit Installation

(1) 102-3174 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.
- ⚠ 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 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 cylinder block,

cylinder head and other parts connected to the injector repair kit and ensure that they are clean and free of dust, carbon deposits, water, rust spots, etc.

- ⚠ When installing the injector repair kit on the engine, please carefully check that the parts related to the installation of the injector repair kit, such as the injector repair kit pressure plate, screws, push rods and other accessories are not deformed, and strictly follow the operating procedures in the engine maintenance manual for installation.
- ⚠ It is forbidden to expose the injector repair kit for a long time in an environment with severe dust pollution and corrosion to iron products.
- ⚠ It is forbidden to expose the injector repair kit for a long time in a strong magnetic field environment.

2.2. 102-3174 Injector Repair Kit Not Working Normally

- (1) There is air in the fuel circuit of the engine fuel system.
- (2) The vehicle injector repair kit supply system is abnormal.
- (3) The engine common rail system is leaking or the pressure limiting valve is damaged.
- (4) The wiring harness connecting the vehicle to the injector repair kit is short-circuited, disconnected, or has poor contact.
- (5) The anti-rust fuel of the injector repair kit solidifies after being left for a long time, causing the internal components to become stuck or the fuel holes to become clogged.

⚠ 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. 102-3174 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 used for the vehicle does not meet the standard cause damage to the injector repair kit, such as: the water content in the fuel 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 fuel 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. 102-3174 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: Follow <https://www.facebook.com/hison.lito> to get technical support videos, and stay tuned for 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. 102-3174 Injector Repair Kit Purchase and Delivery

3.1. 102-3174 Injector Repair Kit Purchase Payment Term

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

⚠ Please contact our salesmen for specific payment information.

3.2. 102-3174 Injector Repair Kit Main Sales Markets

Injector Repair Kit Main Sales Markets: Asia, Europe, North America, South America, Africa etc.

3.3. 102-3174 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. 102-3174 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. 102-3174 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. 102-3174 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	5-7 Days	Egypt	5-7 Days
Turkey	5-7 Days	Singapore	3 Days	Switzerland	5-7 Days
Bahrain	5-7 Days	Latvia	7-10 Days	New Zealand	7-10 Days
Sri Lanka	5-7 Days	Thailand	3 Days	Austria	5-7 Days
Romania	5-7 Days	Vietnam	3-5 Days	Estonia	5-7 Days
Malaysia	3-5 Days	Israel	5-7 Days	Mexico	7-10 Days
France	5-7 Days	America	5-7 Days	United Arab Emirates	5-7 Days
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. 102-3174 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.

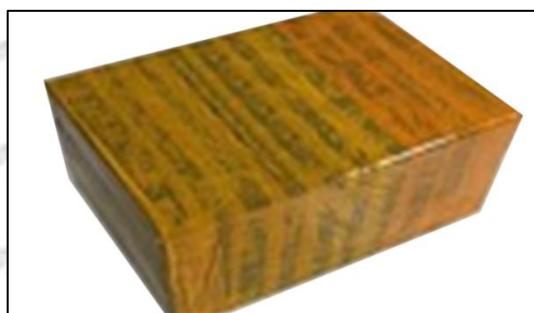
- ⚠ The packing tray is made of plastic and can be recycled.
- ⚠ Transparent tape, yellow tape, black wrapping protective film, white wrapping protective film are non-degradable materials, please dispose of them properly.
- ⚠ Minors are prohibited from using transparent tape, yellow tape, black wrapping 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 shipment: Use pallets that meet export requirements and wrap with white plastic wrap and tie.**4. 102-3174 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, fuel stains, ashes, 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 repair kits placed in the room, and the corrosion of the 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 fuel applied at the factory is found to be damaged or dried up, it should be cleaned and re-applied fuel 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, alkalis, salts, 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 Touxi 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. 102-3174 Injector Repair Kit Warranty Instructions](#))

5.2. Salesmen'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 salesmen's emails are all end with @shumatt.com

6. Copyright Statement

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