**CRDIINJECTELBR03601D CRDI Injector CR Series Technical File** 

SKU: G2Z18EJBR03601D

# CRD[ INJECTOR

CR E1 E3 EUI EUP

DIESEL INJECTOR









# EJBR03601D CRDI Injector CR Series Technical File

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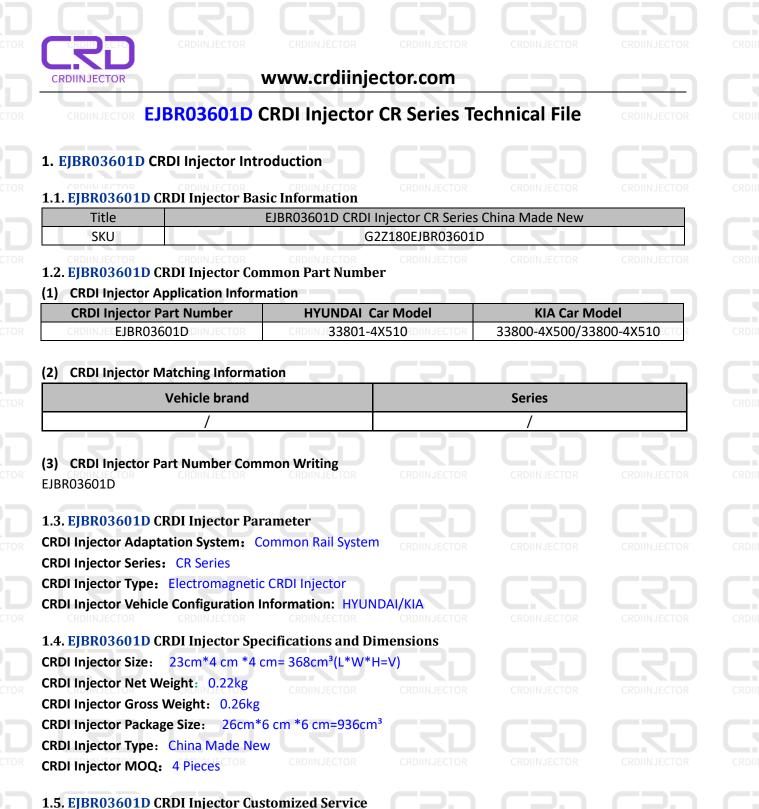






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(1) CRDI Injector Customized Service Coverage: Meet the customized needs of OEM manufacturers for shell

lettering, logo engraving, CRDI injector internal packaging, CRDI injector external packaging and labels customized, etc.

F097	33800-4X5%		
CRDI Injector Nozzle	CRDI Injector House Lettering	CRDI Injector Solenoid	CRDI Injector Box And
Engraving	And QR Code	Valve Engraving	Label



problems.



(2) CRDI Injector Customized Service Requirements:

1.6. EJBR03601D CRDI Injector Quality Control

The purchase of customized CRDI injectors are not less than 10 pieces.

trademark authorization and the sample of logo image file. CRDINJECTOR

The purchase of customized CRDI injector packages are no less than 1000 pieces.















# (1) CRDI Injector Spare Parts List

2	No.	Image	Name	Description
		Dir	CRDI injector CRDI Injector	CRDI injector part number: EJBR03601D
			NJECTOR CRDIINJECTOR	Ensure to meet the standard of the sealing performance between the CRDI injector and the engine
			Nozzle protective cover cap ector	Protect nozzle holes from being polluted and blocked

## (1) CRDI Injector Testing All CRDI injectors are tested for electrical characteristics, accuracy, high temperature, low temperature, withstand voltage, leakage, durability, and various working conditions. (2) CRDI Injector Assembling

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When the Customized products involve the need of specify logo, the OEM manufacturer is asked to provide

lacksquare Once the customized CRDI injector is sold, it cannot be returned or exchanged if there is no quality

For quality control during the production and installation process of injectors, our company strictly follows the standard product installation data and product installation steps for installation and testing, such as injector stroke test, injector solenoid valve tightening torque test, injector nozzle tightening torque test, etc.

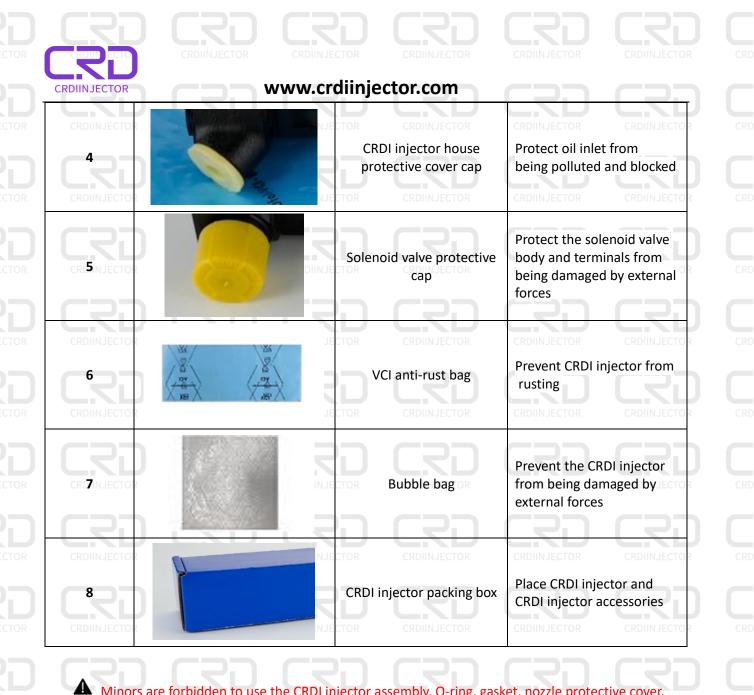
#### (3) CRDI Injector Inspection

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

### 1.7. EJBR03601D CRDI Injector Packing List and Package Size

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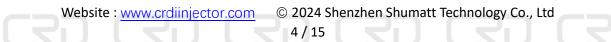
Minors are forbidden to use the CRDI injector assembly, O-ring, gasket, nozzle protective cover,
CRDI injector house protective cover, solenoid valve protective cover, VCI anti-rust bag, and air bubble bag to avoid personal injury.
O-ring and gasket are disposable installation accessories, when install the CRDI injector again, they are needed to be replaced.

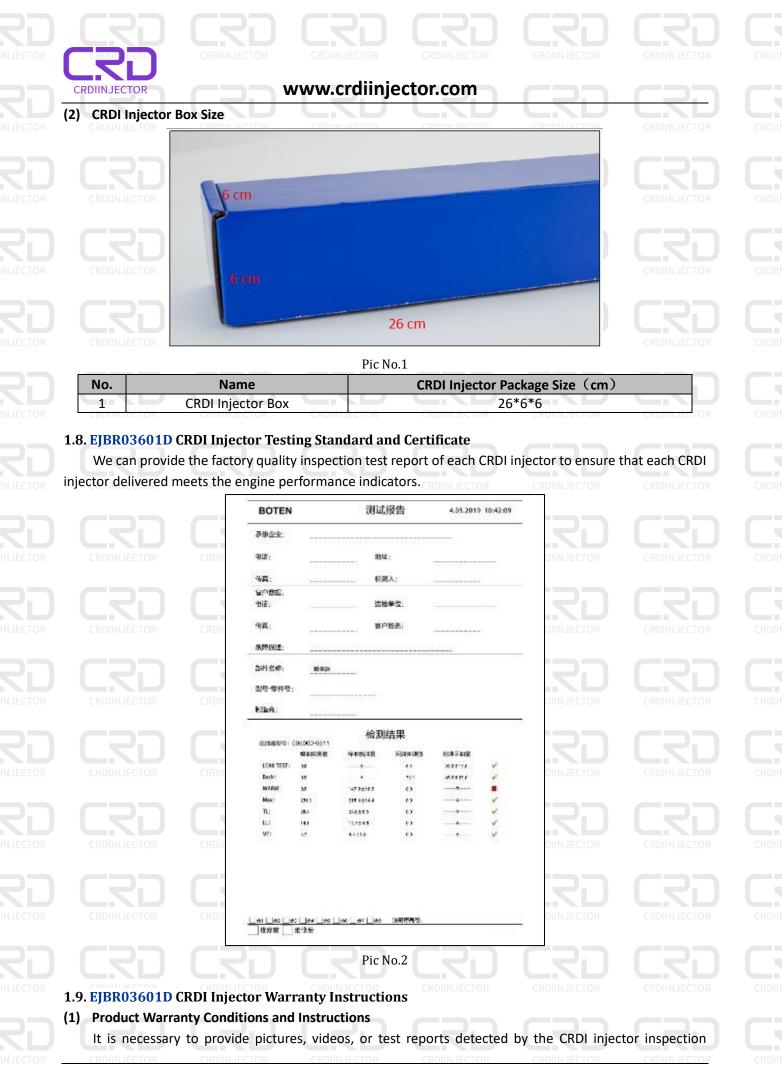
A The nozzle protective cover, the CRDI injector house protective cover, and the solenoid valve

protective cover are recyclable accessories that can be reused.

VCI anti-rust bags and bubble bags are non-degradable materials, please dispose of them properly CRDINJECTOR CRDINJECTOR CRDINJECTOR CRDINJECTOR CRDINJECTOR CRDINJECTOR CRDINJECTOR CRDINJECTOR





























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equipment as evidence to feed back to the salesman when the CRDI injector is abnormal during using. (2) CRDI Injector Warranty Coverage

Within 15 days after customer receives the EJBR03601D CRDI 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 EJBR03601D CRDI injector has performance problems during the warranty period (3 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 CRDI 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.

# A Tips: For products not covered by warranty, Shumatt can provide paid maintenance services. For

products after paid repaired, the same performance problem will have a free warranty period within 3UECTOR months from the date of repairing.

#### (3) CRDI Injector Out of Warranty Coverage

(1) The warranty period has expired.

② CRDI injector failure caused by high temperature, high pressure, humidity, rain and snow, salinealkali land, earthquake, and used in abnormal environment.

3 Customer disassembles or repairs the CRDI injector personally resulting in damage to the CRDI injector.

④ CRDI injector damage caused by man-made reasons (throwing, strong magnetic field magnetization, set fire).

⑤ CRDI injector failure or CRDI injector damage caused by non-CRDI injector design, technology, manufacturing, quality and other issues.

6 CRDI injector failure due to system pressure exceeding system approved pressure.

⑦ CRDI injector failure caused by system voltage exceeding approved voltage.

(8) CRDI injector failure caused by impurities (water, lead, aluminum powder, iron powder, sulfide) in the system fuel exceeding the standard requirements.

(9) CRDI 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).

CRDI injector failure caused by not following the installation angle specified in the vehicle engine (10)maintenance manual.

11 CRDI injector failure caused by not following the cleaning requirements specified in the vehicle engine maintenance manual.

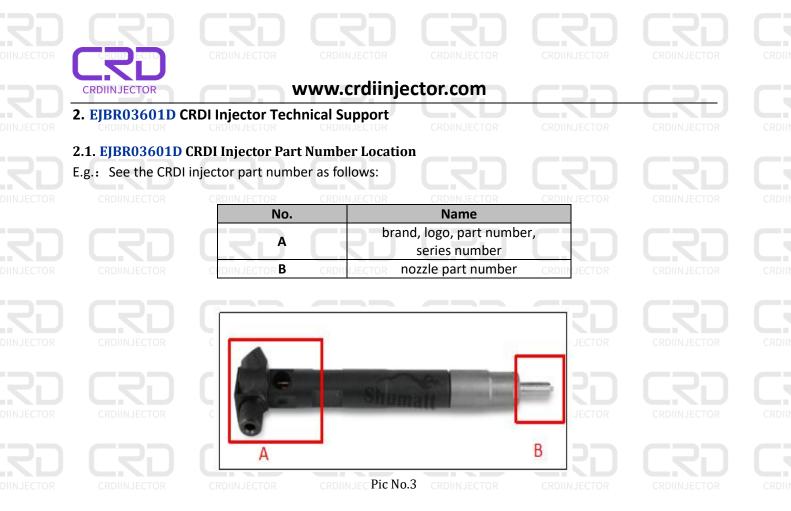
12 CRDI injector failure caused by failure to replace consumable parts as specified in the vehicle engine maintenance manual. CRDINJECTOR

13 CRDI 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.

14 Failure to replace the consumable parts and the fitting clearance of the oil inlet system pipeline and the CRDI injector connection in accordance with the fuel intake system specified in the vehicle engine maintenance manual.

#### 1.10. EJBR03601D CRDI Injector Manufacturer

CRDI Injector Manufacturer: Shenzhen Shumatt Technology Co., Ltd



#### 2.2. EJBR03601D CRDI Injector Application Scenarios

Common rail system is an oil supply method refers to the diesel oil from the fuel tank sucked out by the gear pump through the oil-water separator and the gear pump to diesel fine filter, high-pressure pump, common rail pipe, and CRDI injector, all together with the closed-loop fuel supply system composed of sensors and ECU that completely separates the generation of injection pressure and the injection process from each other.









No.

1

2

Name

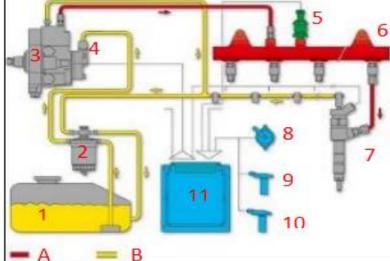
Tank

**Diesel Filter** 

No.

6

7





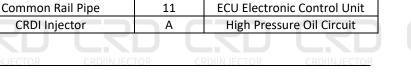
Name

7	

Name







No.























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3	High-Pressure Pump	8	Accelerator Pedal	В	Low Pressure Oil Circuit
4 <sup>CRDI</sup>	Fuel Gear Pump	OR 9	<sup>C</sup> Engine Crankshaft Sensor	for / C	DIINJECTOR CRDIINJECTOR
5	Common Rail Pressure Sensor	10	Camshaft Sensor		

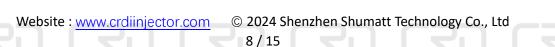
#### 2.3. EJBR03601D CRDI Injector Installation Precautions

- (1) The replacement of the CRDI 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,
- Replacement of wearing parts of the fuel system, cleaning requirements for the connection between the (2) fuel system and the CRDI injector, the fitting clearance of the CRDI injector connection, the installation angle and tightening torque of the CRDI injector, 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 CRDI injector.
- (3) When installing the CRDI injector on the engine, it is necessary to clean the engine block, cylinder head and other parts connected to the CRDI injector, and ensure that there is no dust, carbon deposits, water, rust spots, etc.
- (4) Before installing, check whether the CRDI injector nozzle gasket has been replaced and installed on the CRDI injector.
- When installing the CRDI injector, apply lubricant between the CRDI injector, fuel nozzle sealing gasket (5) and O-ring.
- Without replacing new gasket can lead to: deformation of the tight cap of nozzle, deformation of nozzle, (6) deformation of nozzle orifice, oil leakage and air leakage, which will cause serious damage to the CRDI injector and nozzle to break and cause damage to the engine.
- (7) When installing the CRDI injector on the engine, please carefully check the components related to the installation of the CRDI injector, such as the CRDI injector pressure plate, screw, CRDI injector rod and other accessories are not deformed, and install it in strict accordance with the operation steps of the engine maintenance manual.
- (8) It is forbidden to operate the bare CRDI 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 CRDI injector for a long time in a strong magnetic field environment.

#### 2.4. Reasons for EJBR03601D CRDI Injector Not Working Normally

- (1) There is air in the oil circuit of the engine fuel system.
- (2) Vehicle oil pump oil supply system is not normal.
- Engine common rail system oil leakage or pressure limiting valve is damaged. (3)
- (4) There is a short circuit, cutting out and poor contact in the wiring harness connected to the CRDI injector of the vehicle.
- (5) The long-term placement of the CRDI 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 CRDI injectors are damaged so as to prevent the CRDI injector from not working properly after being replaced.











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CRD









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- 2.5. Causes of EJBR03601D CRDI Injector's Damage
- (1) Failure to operate correctly according to the engine maintenance manual during disassembly and assembly may result in damage to the CRDI injector.
- (2) The fuel oil used for the vehicle does not meet the standard cause damage to the CRDI 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 CRDI injector.
- (4) The abrasion of the oil pump produces iron powder and aluminum powder enter the CRDI injector and cause damage to the CRDI injector.
- (5) The deformation and abrasion of fuel tank result in iron powder or aluminum powder entering the CRDI injector and causing damage to the CRDI injector.
- (6) The CRDI injector is damaged due to replacement or adjustment of the relevant parts of the CRDI 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 CRDI injector fails to meet the original standard.
- (7) The engine is overheated and overloaded for a long time working results in damage to the CRDI injector.
- (8) The CRDI injector will be damaged naturally at the end of its working life.
- (9) The CRDI injector is magnetized (CRDI injector parts' magnetic exceeded) causing the CRDI injector to not work properly.

A Before replacing the CRDI injector, please check the engine parts carefully according to the engine

maintenance manual to avoid the CRDI injector being damaged again after replacement.

#### 2.6. EJBR03601D CRDI Injector Storage Standard

#### (1) Choose a Suitable Storage Place

The warehouse and cargo yard where the CRDI 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 acid, 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. CRDINJECTOR CRDINACTOR CR

#### (2) Strict Requirements of Warehousing

Strict inspections should be carried out when the CRDI 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 antirust treatment in time. Packaged CRDI injectors must be protected from damage.

#### (3) Keep The Warehouse Dry And Preventing Moisture

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

CRDI 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



checked in time to avoid rainwater entering the warehouse



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After the CRDI injector is exposed to rain, the corrosion rate will increase significantly. The purpose of sealing is to isolate the CRDI injector from rainwater and humid air, so the warehouse window should be

If the CRDI injector package is damaged, it should be repaired or replaced; when the package is damp,













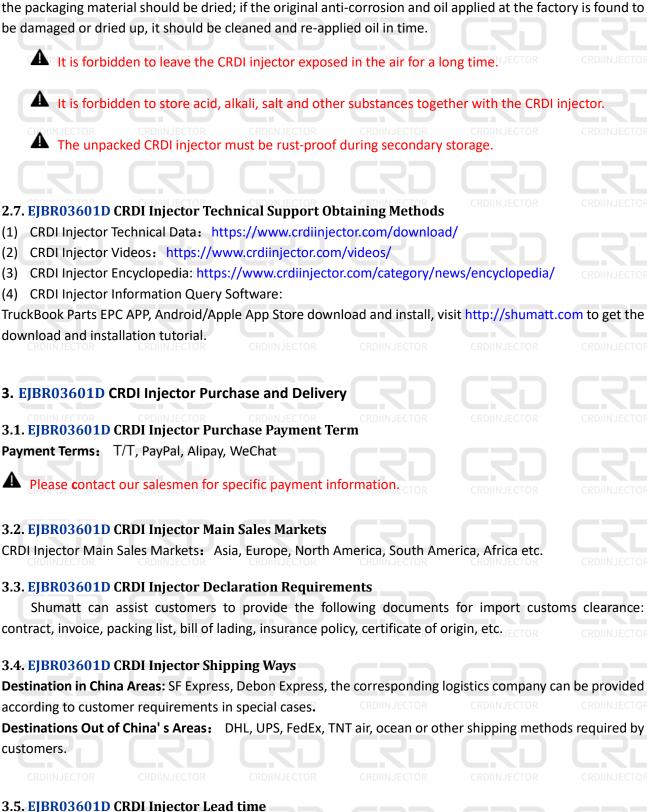












Lead Time: Send out within 3 – 7 working days after receiving payment (Except for special products and









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Country or Region of Departure: China's Mainland

special cases).

**DHL Logistics Time : Country or Region of** 

Departure

China' s Mainland

**UPS Logistics Time:** 

**Country of Destination** 

Japan

Turkey

Bahrain

Sri Lanka

Romania

Malaysia

France

Italy

Lebanon

South Korea

Canada

Portugal

Denmark

India

Indonesia

Kuwait

Egypt

Switzerland

**New Zealand** 

Austria

Estonia

Mexico

**United Arab Emirates** 

Bengal

Hong Kong,

China

7 Days

3.6. EJBR03601D CRDI Injector Logistics Time for Destination Out of China's Areas

**Other Countries** 

or Regions of Asia

7 Days

**Estimated Arrival Time** 

3 Days

5-7 Days

5-7 Days

5-7 Days

5-7 Days

3-5 Days

5-7 Days

5-7 Days

5-7 Days

3 Days

5-7 Days

5-7 Days

5-7 Days

7-10 Days

3-5 Days

7-10 Days

5-7 Days

5-7 Days

7-10 Days

5-7 Days

5-7 Days

7-10 Days

5-7 Days

7-10 Days

Australia and

**New Zealand** 

8 Days

**Country of Destination** 

UK

Singapore

Latvia

Thailand

Vietnam

Israel

America

Netherlands

Philippine

Spain

Germany

Australia

Belgium

Qatar

Morocco

Bengal

Greece

Myanmar

Saudi Arabia

South Africa

Ukraine

Poland

Pakistan

1

America

8-12

Days

**Estimated Arrival Time** 

5-7Days

3 Days

7-10 Days

3 Days

3-5 Days

5-7 Days

5-7 Days

5-7 Days

3-5 Days

5-7 Days

5-7 Days

5-7 Days

5-7 Days

7-10 Days

7-10 Days

7-10 Days

7-10 Days

5-7 Days

7-10 Days

7-10 Days

7-10 Days

5-7 Days

7-10 Days

Europe

8 Days

Other

**Countries** 

7-10 Days



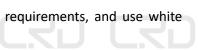












A The logistics time is for reference only and is subject to the actual arrival.





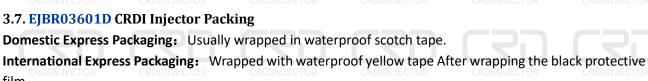












3.7. EJBR03601D CRDI Injector Packing Domestic Express Packaging: Usually wrapped in waterproof scotch tape.

film.

Pallet Shipping: Use fumigation free and recycling trays that meet export requirements, and use white





according to customers' requirements.



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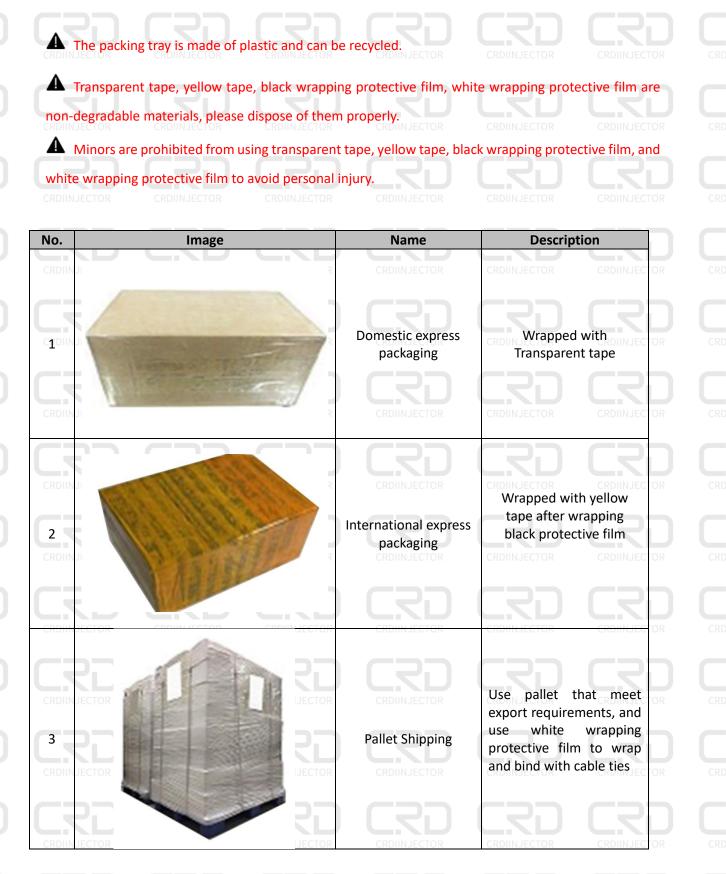
wrapping protective film to wrap and bind with cable ties for the outside. The products can also be packaged



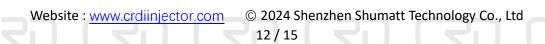


CRDIINJECTOR

CRDIII













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