

CRDIINJECTOR

www.crdiinjector.com

28307309 CRDI Injector CR Series Technical File

CRDIINJECContent CRDIINJECTOR

1. 28307309 CRDI Injector Introduction	2
1.1. 28307309 CRDI Injector Basic Information	2
1.2. 28307309 CRDI Injector Common Part Number	2
1.3. 28307309 CRDI Injector Parameter	2
1.4. 28307309 CRDI Injector Specifications and Dimensions	2
1.5. 28307309 CRDI Injector Customized Service	2
1.6. 28307309 CRDI Injector Quality Control CRDINJECTOR CRDINJECTOR	CRDIINJECT3
1.7. 28307309 CRDI Injector Packing List and Package Size	
1.8. 28307309 CRDI Injector Testing Standard and Certificate	5
1.9. 28307309 CRDI Injector Warranty Instructions	6
1.10. 28307309 CRDI Injector Manufacturer	7
2. 28307309 CRDI Injector Technical Support	7
2.1. 28307309 CRDI Injector Part Number Location	7
2.2. 28307309 CRDI Injector Application Scenarios	CRDIINJECT 8
2.3. 28307309 CRDI Injector Installation Precautions	
2.4. Reasons for 28307309 CRDI Injector Not Working Normally	9
2.5. Causes of 28307309 CRDI Injector's Damage	
2.6. 28307309 CRDI Injector Storage Standard	
2.7. 28307309 CRDI Injector Technical Support Obtaining Methods	11
3. 28307309 CRDI Injector Purchase and Delivery	11
3.1. 28307309 CRDI Injector Purchase Payment Term	CRDIINJECTO 11
3.2. 28307309 CRDI Injector Main Sales Markets	
3.3. 28307309 CRDI Injector Declaration Requirements	11
3.4. 28307309 CRDI Injector Shipping Ways	CRDIINJEC11
3.5. 28307309 CRDI Injector Lead time	
3.6. 28307309 CRDI Injector Logistics Time for Destination Out of China's Areas	11
3.7. 28307309 CRDI Injector Packing	12
4. Company Information.	13
4.1. Company Introduction	
4.2. Contact Information	
5. Copyright Statement: ROUNJECTOR CROUNJECTOR CROUNJECTOR CROUNJECTOR	
., -	





CRDINJEC Website: www.crdiinjector.comINJE© 2024 Shenzhen Shumatt Technology Co., Ltd CRDINJECTOR







28307309 CRDI Injector CR Series Technical File

1. 28307309 CRDI Injector Introduction INJECTOR

1.1. 28307309 CRDI Injector Basic Information

Title	28307309 CRDI Injector CR Series China Made New			
CRDIISKUTOR	CRDIINJECTOR	G2Z18028307309	CRDIINJECTOR	CRDIINJECTO

1.2. 28307309 CRDI Injector Common Part Number

(1) CRDI Injector Application Information

CDDUN IECTOD CDDUN IECTOD CDDUN IECTOD	CDDUNIECTOD CDDUNIECTOD CDDUNIECTOR
CRDI Injector Part Number	MERCEDES BENZ Car Model
28307309	A651 070 308

(2) CRDI Injector Matching Information

	Vehicle brand			Series	
LZU	MERCEDES BENZ	LZU	DAIMLER EURO 6	OM651 D22 MRA	150KW DRY
CRDIINJECTOR	CRDIINJECTOR	CRDIINJECTOR	CRDIINJECTOR	CRDIINJECTOR	CRDIINJECTOF

(3) CRDI Injector Part Number Common Writing

28307309 A651 070 308 A651070308

1.3. 28307309 CRDI Injector Parameter

CRDI Injector Adaptation System: DFI1.5.2

CRDI Injector Series: CR Series

CRDI Injector Type: Electromagnetic CRDI Injector

CRDI Injector Vehicle Configuration Information: MERCEDES BENZ

1.4. 28307309 CRDI Injector Specifications and Dimensions

CRDI Injector Size: 23cm*4 cm *4 cm= 368cm³(L*W*H=V)

CRDI Injector Net Weight: 0.22kg CRDI Injector Gross Weight: 0.26kg

CRDI Injector Package Size: 26cm*6 cm *6 cm=936cm³

CRDI Injector Type: China Made New

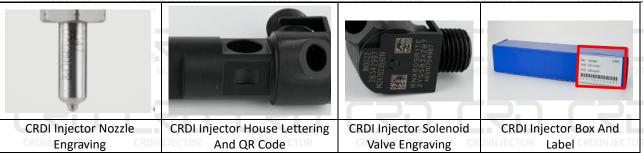
CRDI Injector MOQ: 4 Pieces

1.5. 28307309 CRDI Injector Customized Service

(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. CRDIINJECTOR

CRDINJEC Website: www.crdiinjector.com 2024 Shenzhen Shumatt Technology Co., Ltd





(2) CRDI Injector Customized Service Requirements:

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

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

When the Customized products involve the need of specify logo, the OEM manufacturer is asked to provide trademark authorization and the sample of logo image file.

Once the customized CRDI injector is sold, it cannot be returned or exchanged if there is no quality problems. IECTOR CRDINJECTOR CRDINJECTOR CRDINJECTOR CRDINJECTOR CRDINJECTOR

1.6. 28307309 CRDI Injector Quality Control

(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

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.

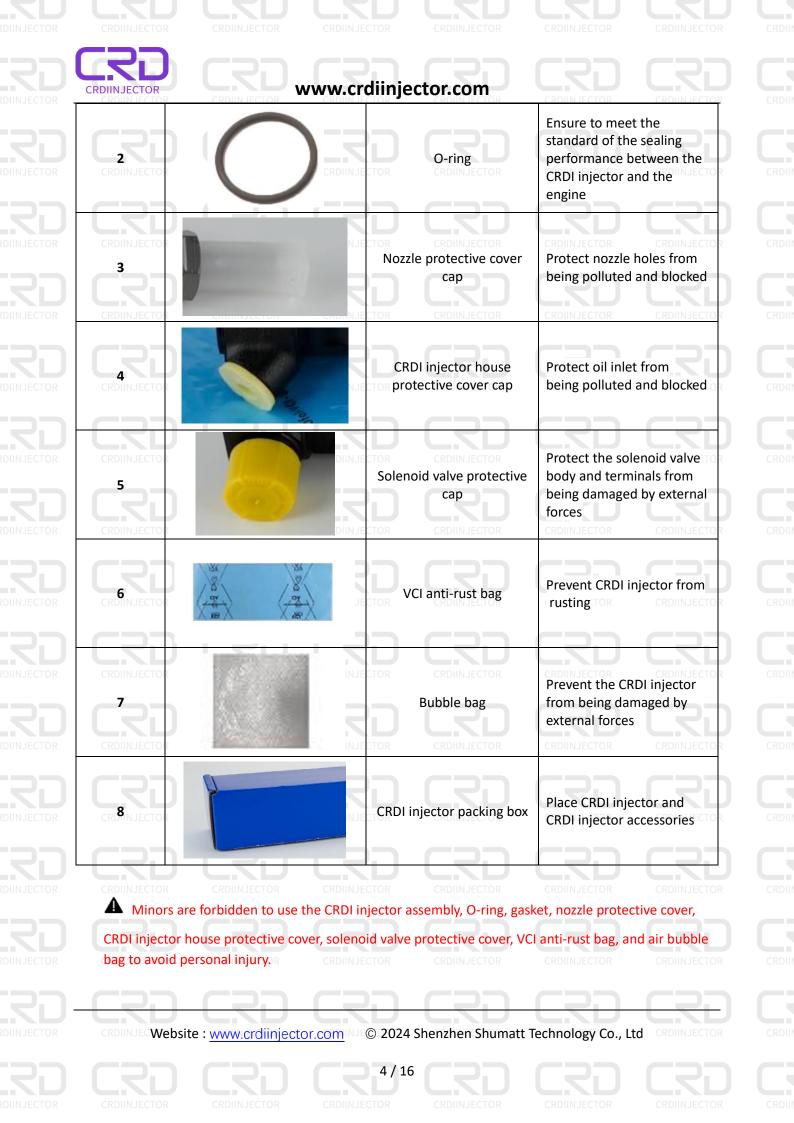
(3) CRDI Injector Inspection

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. 28307309 CRDI Injector Packing List and Package Size

(1) CRDI Injector Spare Parts List

No.	Image	Name	Description
LZL			
CRDIINJECTO		CTOR CRDIINJECTOR	CRDIIN.IECTOR CRDIIN.IECTOR
1	Shumati	CRDI injector	CRDI injector part number: 28307309
LXL		D LXD	LXU LXL
CRDIIN IECTO	CRDIINJECTOR CRDIINJE	CTOR CRDIINJECTOR	CRDIINJECTOR CRDIINJECTO





O-ring and gasket are disposable installation accessories, when install the CRDI injector again, they

are needed to be replaced.

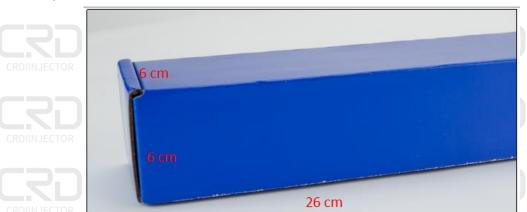
CRDIINJECTOR CRD

The nozzle protective cover, the CRDI injector house protective cover, and the solenoid valve protective cover are recyclable accessories that can be reused.

A VCI anti-rust bags and bubble bags are non-degradable materials, please dispose of them properly after using.

The CRDI injector and the installation parts should be coated with appropriate sealing oil during installation.

(2) CRDI Injector Box Size Jector CRDINJECTOR CRDINJECTOR CRDINJECTOR CRDINJECTOR



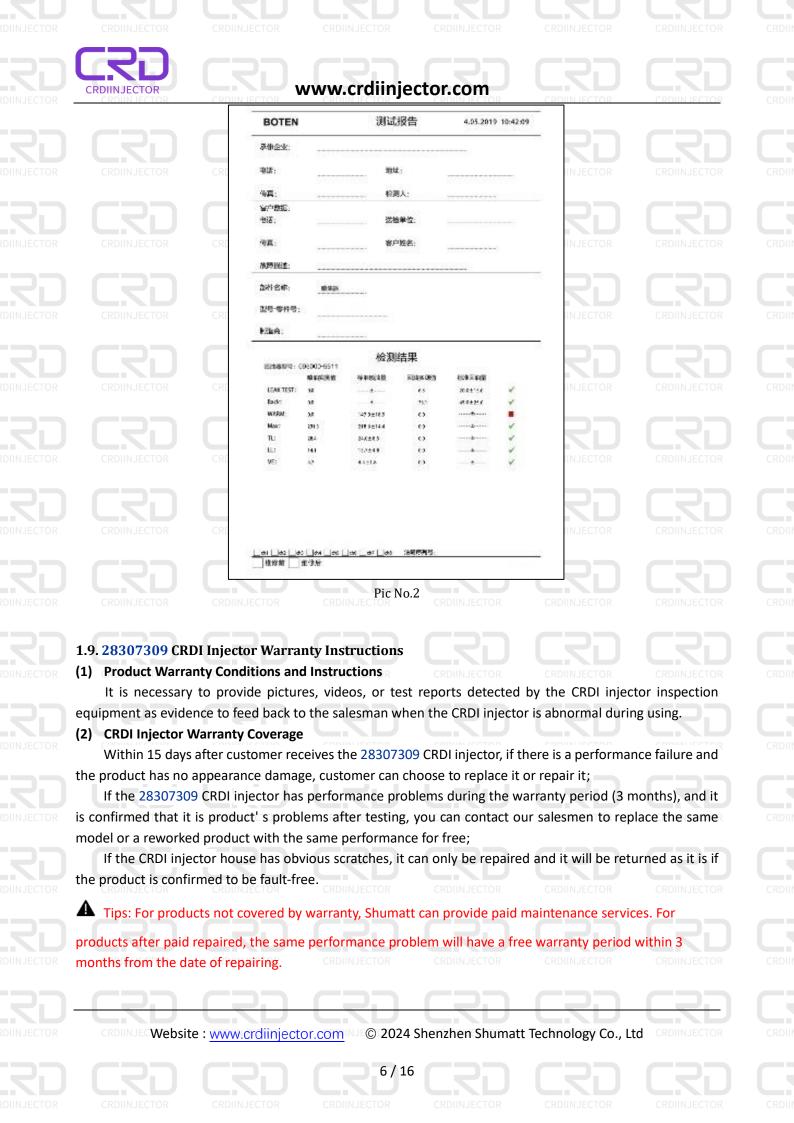
	Pic No.1				
No.	Name		CRDI Injector Package Size (cm)		
CRDIINJ	CRDI Injector Box	CRDIINJECTOR	CRDIINJECTOR 26*6*6RDIINJECTOR	CRDIINJECTOR	

1.8. 28307309 CRDI Injector Testing Standard and Certificate

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

RDIINJECTOR			
RDIINJECTOR			
RDIINJECTOR			

CRDINUE Website: www.crdiinjector.com NU © 2024 Shenzhen Shumatt Technology Co., Ltd





(3) CRDI Injector Out of Warranty Coverage

- The warranty period has expired.
- © CRDI injector 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 CRDI injector personally resulting in damage to the CRDI injector.
- CRDI injector damage caused by man-made reasons (throwing, strong magnetic field magnetization, set fire).
- © CRDI injector failure or CRDI injector damage caused by non-CRDI injector design, technology, manufacturing, quality and other issues.
 - © CRDI injector failure due to system pressure exceeding system approved pressure.
 - 7 CRDI injector failure caused by system voltage exceeding approved voltage.
- ® 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 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.
- 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. 28307309 CRDI Injector Manufacturer

CRDI Injector Manufacturer: Shenzhen Shumatt Technology Co., Ltd

2. 28307309 CRDI Injector Technical Support

2.1. 28307309 CRDI Injector Part Number Location

E.g.: See the CRDI injector part number as follows:

No.	Name	
	brand, logo, part number,	
	series number	
CRDIINJECTOR B CRD	nozzle part number	

CRDIINJEC Website: www.crdiinjector.com INJE© 2024 Shenzhen Shumatt Technology Co., Ltd



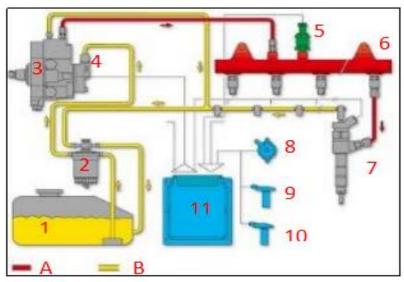


Pic No.3

2.2. 28307309 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.





Pic No. 4

No.	Name	No.	Name	No.	Name
1	Tank	6	Common Rail Pipe	11	ECU Electronic Control Unit
2	Diesel Filter	7	CRDI Injector	Α	High Pressure Oil Circuit
3 CRD	High-Pressure Pump	or 8	CRDIINAccelerator Pedal	for B ci	DIIN Low Pressure Oil Circuit
4	Fuel Gear Pump	9	Engine Crankshaft Sensor	/	/
5	Common Rail Pressure Sensor	10	Camshaft Sensor	/	SU (SU

2.3. 28307309 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,

CRDINJECWebsite: www.crdiinjector.com 2024 Shenzhen Shumatt Technology Co., Ltd



- (2) Replacement of wearing parts of the fuel system, cleaning requirements for the connection between the 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.
- (5) When installing the CRDI injector, apply lubricant between the CRDI injector, fuel nozzle sealing gasket and O-ring.
- (6) Without replacing new gasket 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 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. NUECTOR CRDINUECTOR CRDINUECTOR CRDINUECTOR
- (9) It is forbidden to operate the bare CRDI injector for a long time in a strong magnetic field environment.

2.4. Reasons for 28307309 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.
- (3) Engine common rail system oil leakage or pressure limiting valve is damaged.
- (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.

A 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.

2.5. Causes of 28307309 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

CRDINGE Website: www.crdiinjector.com NGC 2024 Shenzhen Shumatt Technology Co., Ltd



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. CRDINJECTOR CRDINJECTOR
- (9) The CRDI injector is magnetized (CRDI injector parts' magnetic exceeded) causing the CRDI injector to not work properly.

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. 28307309 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.

(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

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 checked in time to avoid rainwater entering the warehouse

If the CRDI 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

JEC Website: www.crdiinjector.com NJ © 2024 Shenzhen Shumatt Technology Co., Ltd CRDIII



be damaged or dried up, it should be cleaned and re-applied oil in time.

It is forbidden to leave the CRDI injector exposed in the air for a long time.

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

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

2.7. 28307309 CRDI Injector Technical Support Obtaining Methods

- (1) CRDI Injector Technical Data: https://www.crdiinjector.com/download/
- (2) CRDI Injector Videos: https://www.crdiinjector.com/videos/
- (3) CRDI Injector Encyclopedia: https://www.crdiinjector.com/category/news/encyclopedia/
- (4) CRDI 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.

3. 28307309 CRDI Injector Purchase and Delivery

3.1. 28307309 CRDI Injector Purchase Payment Term

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

A Please contact our salesmen for specific payment information.

3.2. 28307309 CRDI Injector Main Sales Markets

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

3.3. 28307309 CRDI Injector Declaration Requirements CRDINUE

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. 28307309 CRDI 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. 28307309 CRDI Injector Lead time

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

3.6. 28307309 CRDI Injector Logistics Time for Destination Out of China's Areas **DHL Logistics Time:**

RDINUE Website: www.crdiinjector.com NU © 2024 Shenzhen Shumatt Technology Co., Ltd



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
Japan	3 Days	UK	5-7Days
Turkey	5-7 Days	Singapore	3 Days
Bahrain	5-7 Days	Latvia	7-10 Days
Sri Lanka	5-7 Days	Thailand	3 Days
Romania	5-7 Days	Vietnam	3-5 Days
Malaysia	3-5 Days	Israel	5-7 Days
France	5-7 Days	America	5-7 Days
CRDIINJE TOR CRD	5-7 Days	Netherlands	5-7 Days
Lebanon	5-7 Days	Philippine	3-5 Days
South Korea	3 Days	Spain	5-7 Days
CRDIIN Canada CRD	INJECTOR 5-7 Days DIINJECTOR	CR Germany CR	DIINJECTOR 5-7 Days DIINJECT
Portugal	5-7 Days	Australia	5-7 Days
Denmark	5-7 Days	Belgium	5-7 Days
CRDIINJE India CRD	NIJECTOR 7-10 Daysolinjector	CRDI Qatar OR CR	DIINJECTOR 7-10 DaysDIINJECT
Indonesia	3-5 Days	Morocco	7-10 Days
Kuwait	7-10 Days	Bengal	7-10 Days
CRDIINJ Egypt CRD	NJECTOR 5-7 Days	Greece CR	DIINJECTOR 7-10 Days
Switzerland	5-7 Days	Myanmar	5-7 Days
New Zealand	7-10 Days	Saudi Arabia	7-10 Days
Austria	5-7 Days	South Africa	7-10 Days
Estonia	5-7 Days	Ukraine	7-10 Days
Mexico	7-10 Days	Poland	5-7 Days
United Arab Emirates	5-7 Days	Pakistan	7-10 Days
Bengal	7-10 Days	CRDIINJECTOR CR	DIINJECTOR CRDIINJECT

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

3.7. 28307309 CRDI Injector Packing

Domestic Express Packaging: Usually wrapped in waterproof scotch tape.

International Express Packaging: Wrapped with waterproof yellow tape After wrapping the black protective

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. The products can also be packaged according to customers' requirements.

CRDINJEC Website: www.crdiinjector.com 2024 Shenzhen Shumatt Technology Co., Ltd



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
CRDIIN	JECTOR CRDIINJECTOR CRDIINJECTOR	CRDIINJECTOR	CRDIINJECTOR CRDIINJEC OR
CRDIIN. 1	2	Domestic express packaging	Wrapped with Transparent tape
CRDIIN			CRDIINJECTOR CRDIINJECTOR
CRDIIN		CRDIINJECTOR	CRDIINJECTOR CRDIINJECTOR
2 CRDIIN		International express packaging	Wrapped with yellow tape after wrapping black protective film
CRDIIN	JECTOR GROWNJECTOR CROWNJECTOR	CRD	CRDIINJECTOR CRDIINJECTOR
CRDIIN	PECTOR PECTOR		CRDIINJECTOR USE pallet that meet
3 CRDIIN	PL JECTOR	Pallet Shipping CRDIINJECTOR	export requirements, and use white wrapping protective film to wrap and bind with cable ties
CRDIIN	PL JECTOR	CRDIINJECTOR	CRDIINJECTOR CRDIINJECTOR

4. Company Information JECTOR

CRDINUEC Website: www.crdiinjector.com NUE 2024 Shenzhen Shumatt Technology Co., Ltd











4.2. Contact Information

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

5. Copyright Statement

All content and materials appearing in "28307309 CRDI Injector CR Series Technical File" are the personal property of Shenzhen Shumatt Technology Co. and protected by copyright law, property rights law and relevant laws. This website(www.crdiinjector.com) has been authorized to use it. Any media, company, or individual who has not gained the authorization from Shenzhen Shumatt Technology Co. are not permitted to modify, print, duplicate, republish, transmit the content in "28307309 CRDI Injector CR Series Technical File". Otherwise Shumatt reserves the right to pursue economic and legal responsibility for those who do not comply with this statement or use the content illegally or maliciously.

CRDINJEC Website: www.crdiinjector.com 2024 Shenzhen Shumatt Technology Co., Ltd 15 / 16

For permission requests or further information, please contact us via historia shumatt.com.