

109-2089 Injector Oil Metering Orifice Plate Technical File

SKU: G1K30000C7LKYB



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109-2089 Injector Oil Metering Orifice Plate Technical File

1. 109-2089 Injector Oil Metering Orifice Plate Introduction

1.1. 109-2089 Injector Oil Metering Orifice Plate Basic Information

Title	109-2089 Injector Oil Metering Orifice Plate	Quality
SKU	G1K30000C7LKYB	China Made New

1.2. 109-2089 Injector Oil Metering Orifice Plate Common Part Number

(1) Injector Oil Metering Orifice Plate Applicable Injector Model

Injector Part Number	Replacement Part Number	OEM
295-1408	10R-4761	/

(2) Injector Oil Metering Orifice Plate Application Information

Vehicle/Equipment (Initial Part Install)	Manufacturer
/	/

(3) Injector Oil Metering Orifice Plate Part Number Common Writing

109-2089

1.3. 109-2089 Injector Oil Metering Orifice Plate Specifications and Dimensions

Injector Oil Metering Orifice Plate Size: 5 cm *5 cm *1 cm

Injector Oil Metering Orifice Plate Net Weight: 20g

Injector Oil Metering Orifice Plate Package Size: /

Injector Oil Metering Orifice Plate Package Weight: /

Injector Oil Metering Orifice Plate Quality: China Made New

Injector Oil Metering Orifice Plate MOQ: 1pcs

1.4. 109-2089 Injector Oil Metering Orifice Plate Quality Control

(1) Injector Oil Metering Orifice Plate Testing

All injector oil metering orifice plate spare parts are tested for electrical characteristics, accuracy, high temperature, low temperature, withstand voltage, leakage, durability, and various working conditions.

(2) Injector Oil Metering Orifice Plate Inspection

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

(3) Injector Oil Metering Orifice Plate Assembling

For the quality control of injector oil metering orifice plate production and installation, our company strictly conducts installation per the standard installation parameters and procedures, covering the stroke test and fatigue spring test of the injector oil metering orifice plate.

1.5. 109-2089 Injector Oil Metering Orifice Plate Customized Service

(1) Injector Oil Metering Orifice Plate Customized Service: Meet the customized needs of OEM manufacturers for shell lettering, logo engraving, oil metering orifice plate nut internal packaging, injector oil metering orifice plate external packaging and labels customized, etc.

(2) Injector Oil Metering Orifice Plate Customized Service Requirements:

Custom engraved or unengraved oil metering orifice plate caps: Minimum order quantity (MOQ): **100 pcs.**

Custom injector oil metering orifice plate cap barrels: MOQ: **2,000 – 3,000 pcs.**

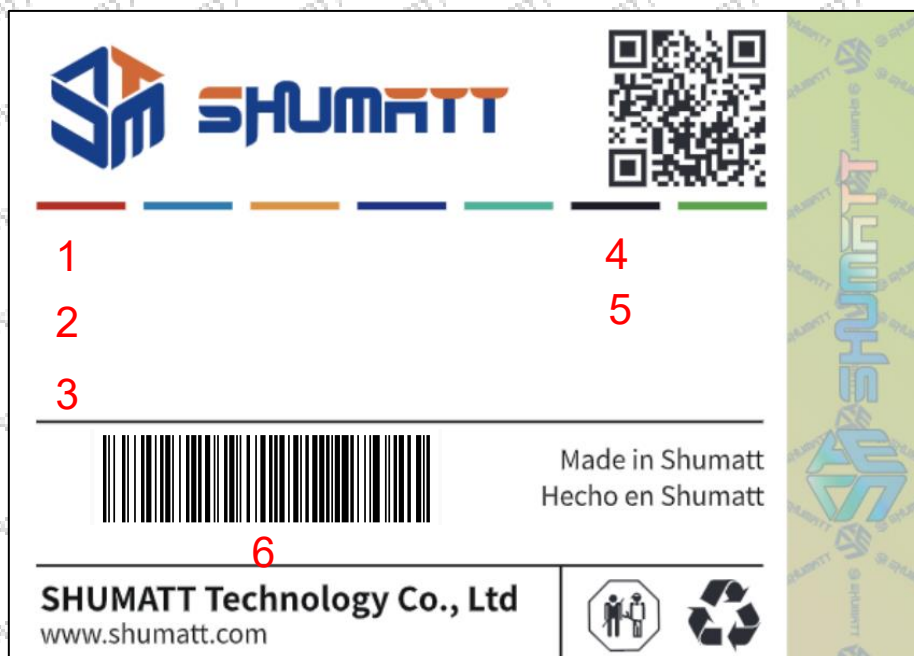
Custom packaging boxes for oil metering orifice plate: MOQ: **1,000 boxes.**

For customized products featuring a specified logo, the OEM customer must provide proof of trademark authorization and a sample logo image file.

▲ Once the customized injector oil metering orifice plate is sold, it cannot be returned or exchanged if there is no quality problems.

(3) Injector Oil Metering Orifice Plate Label Printing Format Requirements:

Injector Oil Metering Orifice Plate Label Information



No.	Description	Specification
1	Oil Metering Orifice Plate Marking No.	109-2089
2	Oil Metering Orifice Plate Order No.	/
3	Applicable Injector	For: 295-1408
4	Packing Quantity	5Pcs
5	Series	C7/C9
6	SKU Code	G1K30000C7LK YB

1.6. 109-2089 Injector Oil Metering Orifice Plate Packing List and Package Size

(1) Injector Oil Metering Orifice Plate Spare Parts List

No.	1	2	3
Image			/
Name	Injector Oil Metering Orifice Plate	White Anti-Rust Bag	/
Description	Injector Oil Metering Orifice Plate Part Number: 109-2089	Prevents Rust on Injector Oil Metering Orifice Plate	/

⚠ Keep the injector oil Metering Orifice Plate, storage container, and packaging box out of reach of children to prevent injury.

⚠ The injector oil Metering Orifice Plate packaging box is reusable; the components are not reusable.

⚠ The injector oil Metering Orifice Plate nut container is made of non-biodegradable material. Dispose of it properly after use.

1.7. 109-2089 Injector Oil Metering Orifice Plate Warranty Instructions

(1) Product Warranty Conditions and Instructions

It is necessary to provide pictures, videos, or test reports detected by the injector oil metering orifice plate inspection equipment when the injector injector oil metering orifice plate 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 Oil Metering Orifice Plate Warranty Coverage

If a performance failure occurs within 15 days of receiving the injector oil metering orifice plate 109-2089, and the product is not visually damaged, the customer may choose to exchange it.

If a performance problem occurs with the injector oil metering orifice plate 109-2089 during the warranty period (3 months), and testing confirms a product defect, the customer can contact our sales staff for a free replacement of the same model.

If the product is confirmed to be without fault, it will be returned in its original condition.

(3) Injector Oil Metering Orifice Plate Out of Warranty Coverage

① The warranty period has expired and is not covered.

② Injector oil metering orifice plate failure caused by high temperature, high pressure, humidity, rain, snow, saline-alkali soil, earthquakes, or abnormal environments.

- ③ Injector oil metering orifice plate nut damage caused by human error (dropping, magnetization by a strong magnetic field, arson).
- ④ Injector oil metering orifice plate failure or damage caused by issues other than the injector injector oil metering orifice plate's design, technology, manufacturing, or quality.
- ⑤ Injector oil metering orifice plate failure caused by system voltage exceeding the approved voltage.
- ⑥ Injector oil metering orifice plate failure caused by impurities (water, lead, aluminum powder, iron powder, sulfide) in the system fuel exceeding the standard requirements.
- ⑦ Injector oil metering orifice plate failure caused by installation not following the tightening torque specified in the vehicle's engine maintenance manual (excessive or insufficient tightening torque).
- ⑧ Injector oil metering orifice plate failure due to failure to adhere to the installation angle specified in the vehicle engine maintenance manual.
- ⑨ Failure to adhere to the cleaning requirements specified in the vehicle engine maintenance manual.
- ⑩ Failure to follow the replacement requirements for wearing parts specified in the vehicle engine maintenance manual.

1.8. 109-2089 Injector Oil Metering Orifice Plate Manufacturer

Injector Oil Metering Orifice Plate Manufacturer: Shenzhen Shumatt Technology Co., Ltd

2. 109-2089 Injector Oil Metering Orifice Plate Technical Support

2.1. 109-2089 Injector Oil Metering Orifice Plate Clean

(1) Before installation, the injector oil metering orifice plate should be cleaned in an ultrasonic cleaner for 3-5 minutes to remove stains, dust, powder, rust-preventive oil oxides, paraffin bases, naphthenic bases, intermediate bases, salts, lead naphthenate, zinc naphthenate, sodium petroleum sulfonate, barium petroleum sulfonate, calcium petroleum sulfonate, trioleic tallow diamine, and rosin amine adhering to its surface.

(2) Use compressed air to remove the cleaning solution adhering to the surface of the oil metering orifice plate after cleaning, ensuring it meets the usage standards.

2.2. 109-2089 Injector Oil Metering Orifice Plate Causes of Being Damaged

(1) Injector oil metering orifice plate failure due to impurities (water, lead, aluminum powder, iron powder, sulfides) in the fuel exceeding standard requirements.

(2) Normal wear of the oil metering orifice plate due to prolonged high-temperature operation.

(3) Wear of the oil metering orifice plate needle causing blockage of the oil orifice, resulting in insufficient fuel injection and inability of the injector to function properly.

⚠ Wear of the oil metering orifice plate needle causing blockage of the oil orifice, resulting in insufficient fuel injection and inability of the injector to function properly.

⚠ Wear of the oil metering orifice plate causes increased fuel injection, leading to black smoke from the vehicle, and in severe cases, inability of the injector to function properly.

⚠ If the oil metering orifice plate needle cannot be stably... Stuck motion can severely damage the injector

oil metering orifice plate.

⚠ Rust on the oil metering orifice plate spring can lead to spring breakage, causing black smoke from the vehicle.

⚠ Wearing of the oil metering orifice plate spring adjusting shim reduces the opening pressure of the oil metering orifice plate, increasing the fuel injection volume and causing black smoke; in severe cases, it can prevent the injector from functioning properly.

⚠ Wearing of the oil metering orifice plate needle valve lift adjusting shim increases the needle valve stroke of the oil metering orifice plate, increasing the fuel injection volume and causing black smoke; in severe cases, it can prevent the injector from functioning properly.

⚠ Prolonged high-temperature, high-intensity operation can cause the oil metering orifice plate head to crack.

2.3. 109-2089 Injector Oil Metering Orifice Plate Technical Support Obtaining Methods

(1) Injector Oil Metering Orifice Plate Technical File , visit <http://shumatt.com> to get the technical file.

(2) Injector Oil Metering Orifice Plate 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 Oil Metering Orifice Plate Information Query Software

Truck Book 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 Oil Metering Orifice Plate Test Data Through Truck Book Parts EPC APP.

3. 109-2089 Injector Oil Metering Orifice Plate Purchase and Delivery

3.1. 109-2089 Injector Oil Metering Orifice Plate Purchase Payment Term

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

⚠ Please contact our salesmen for specific payment information.

3.2. 109-2089 Injector Oil Metering Orifice Plate Main Sales Markets

Injector oil metering orifice plate main sales markets: Asia, Europe, North America, South America, Africa etc.

3.3. 109-2089 Injector Oil Metering Orifice Plate 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. 109-2089 Injector Oil Metering Orifice Plate 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. 109-2089 Injector Oil Metering Orifice Plate Lead time

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

3.6. 109-2089 Injector Oil Metering Orifice Plate 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 , subjects are according to the actual arrival.

3.7. 109-2089 Injector Oil Metering Orifice Plate 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.

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. 109-2089 Injector Oil Metering Orifice Plate Storage Standard

(1) Choose a suitable storage place

The warehouse and cargo yard where the injector oil metering orifice plate 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, salts 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 oil metering orifice plate 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 injectors must be protected from damage.

(3) Keep the warehouse dry and preventing moisture

The relative humidity is usually below 70% for the injector oil metering orifice plate placed in the room, and the corrosion of the injector oil metering orifice plate are significantly reduced.

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

If the injector oil metering orifice plate 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 oil metering orifice plate exposed in the air for a long time.

⚠ It is forbidden to store acid, alkali, salt and other substances together with the injector oil metering orifice plate.

⚠ The unpacked injector oil metering orifice plate 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

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 **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: [1.7. 109-2089 Injector Oil Metering Orifice Plate 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
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Visit http://shumatt.com to obtain the latest information of salesmen			
PS: Shumatt's salesmen's emails are all end with @shumatt.com			

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