

320-2004 Residual Air Gap Adjusting Shim Technical File

SKU: W10000K2K0000XT



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Content

1. 320-2004 Residual Air Gap Adjusting Shim Introduction	1
1.1. 320-2004 Residual Air Gap Adjusting Shim Basic Information	1
1.2. 320-2004 Residual Air Gap Adjusting Shim Common Part Number	1
1.3. 320-2004 Residual Air Gap Adjusting Shim Specifications and Dimensions	1
1.4. 320-2004 Residual Air Gap Adjusting Shim Quality Control	1
1.5. 320-2004 Residual Air Gap Adjusting Shim Customized Service	2
1.6. 320-2004 Residual Air Gap Adjusting Shim Packing List and Package Size	3
1.7. 320-2004 Residual Air Gap Adjusting Shim Warranty Instructions	3
1.8. 320-2004 Residual Air Gap Adjusting Shim Manufacturer	4
2. 320-2004 Residual Air Gap Adjusting Shim Technical Support	4
2.1. 320-2004 Residual Air Gap Adjusting Shim Clean	4
2.2. 320-2004 Residual Air Gap Adjusting Shim Causes of Being Damaged	4
2.3. 320-2004 Residual Air Gap Adjusting Shim Technical Support Obtaining Methods	5
3. 320-2004 Residual Air Gap Adjusting Shim Purchase and Delivery	5
3.1. 320-2004 Residual Air Gap Adjusting Shim Purchase Payment Term	5
3.2. 320-2004 Residual Air Gap Adjusting Shim Main Sales Markets	5
3.3. 320-2004 Residual Air Gap Adjusting Shim Declaration Requirements	5
3.4. 320-2004 Residual Air Gap Adjusting Shim Shipping Ways	5
3.5. 320-2004 Residual Air Gap Adjusting Shim Lead time	6
3.6. 320-2004 Residual Air Gap Adjusting Shim Logistics Time for Destination Out of China's Areas	6
3.7. 320-2004 Residual Air Gap Adjusting Shim Packing	7
4. 320-2004 Residual Air Gap Adjusting Shim Storage Standard	7
5. Company Information	8
5.1. Company Introduction	8
5.2. Salesmen's Contact Information	9
6. Copyright Statement	9

320-2004 Residual Air Gap Adjusting Shim Technical File

1. 320-2004 Residual Air Gap Adjusting Shim Introduction

1.1. 320-2004 Residual Air Gap Adjusting Shim Basic Information

Title	320-2004 Residual Air Gap Adjusting Shim	Quality
SKU	W10000K2K0000XT	China Made New

1.2. 320-2004 Residual Air Gap Adjusting Shim Common Part Number

(1) Residual Air Gap Adjusting Shim Applicable Injector Model

Injector Part Number	Replacement Part Number	OEM
320-0690	2465A749	/

(2) Residual Air Gap Adjusting Shim Application Information

Vehicle/Equipment (Initial Part Install)	Manufacturer
/	/

(3) Residual Air Gap Adjusting Shim Part Number Common Writing

320-2004

1.3. 320-2004 Residual Air Gap Adjusting Shim Specifications and Dimensions

Residual Air Gap Adjusting Shim Size : /

Residual Air Gap Adjusting Shim Net Weight : /

Residual Air Gap Adjusting Shim Package Size : 18cm *10cm *3cm

Residual Air Gap Adjusting Shim Package Weight : 230g

Residual Air Gap Adjusting Shim Quality : China Made New

Residual Air Gap Adjusting Shim MOQ : 50pcs

1.4. 320-2004 Residual Air Gap Adjusting Shim Quality Control

(1) Residual Air Gap Adjusting Shim Testing

All residual air gap adjusting shim spare parts are tested for electrical characteristics, accuracy, high temperature, low temperature, withstand voltage, leakage, durability, and various working conditions.

(2) Residual Air Gap Adjusting Shim Inspection

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

(3) Residual Air Gap Adjusting Shim Assembling

For the quality control of residual air gap adjusting shim 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 residual air gap adjusting shim.

1.5. 320-2004 Residual Air Gap Adjusting Shim Customized Service

(1) Residual Air Gap Adjusting Shim Customized Service: Meet the customized needs of OEM manufacturers for shell lettering, logo engraving, residual air gap adjusting shim internal packaging, residual air gap adjusting shim external packaging and labels customized, etc.

(2) Residual Air Gap Adjusting Shim Customized Service Requirements:

Custom engraved or unengraved nozzle caps: Minimum order quantity (MOQ): **100 pcs.**

Custom injector nozzle cap barrels: MOQ: **2,000 – 3,000 pcs.**

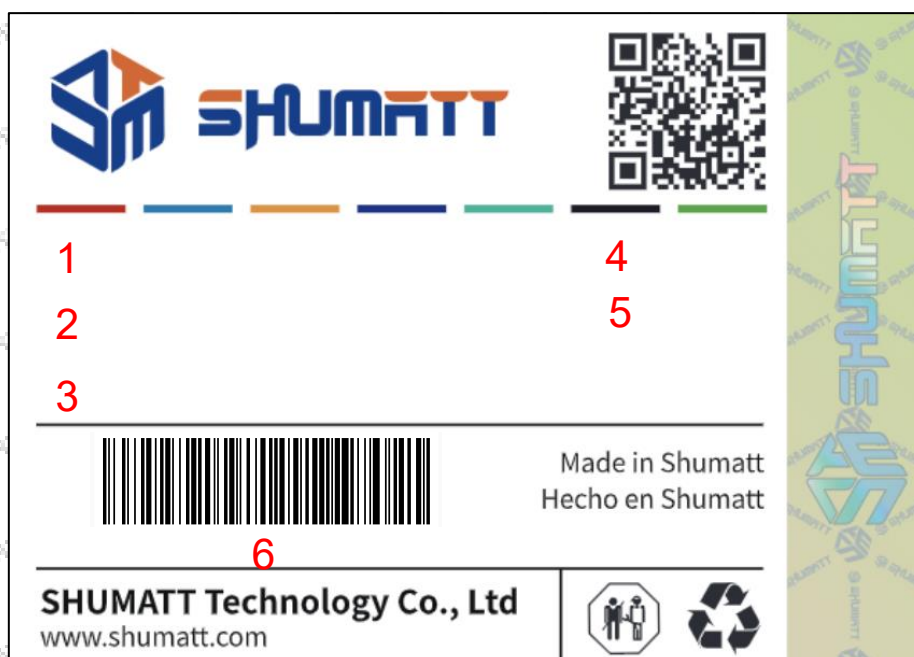
Custom packaging boxes for nozzle caps: MOQ: **1,000 boxes.**

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 residual air gap adjusting shim is sold, it cannot be returned or exchanged if there is no quality problems.**

(3) Residual Air Gap Adjusting Shim Label Printing Format Requirements:

Nozzle Cap Label Information



No.	Description	Specification
1	Residual Air Gap Adjusting Shim Marking No.	320-2004
2	Residual Air Gap Adjusting Shim Order No.	/
3	Applicable Injector	For: 320-0690
4	Packing Quantity	50Pcs
5	Series	320D
6	SKU Code	W10000K2K0000XT

1.6. 320-2004 Residual Air Gap Adjusting Shim Packing List and Package Size

(1) Residual Air Gap Adjusting Shim Spare Parts List

No.	1	2	3
Image			
Name	Residual Air Gap Adjusting Shim	Residual Air Gap Adjusting Shim Specifications	Residual Air Gap Adjusting Shim Package Box
Description	Residual Air Gap Adjusting Shim Part Number: 320-2004	Thickness: 2.2 – 2.4 mm Precision: 0.02mm per increment	Install the remaining air gap adjustment shims

⚠ Keep the residual air gap adjusting shim assembly, storage container, and packaging box out of reach of children to prevent injury.

⚠ The residual air gap adjusting shim packaging box is reusable; the components are not reusable.

⚠ The residual air gap adjusting shim container is made of non-biodegradable material. Dispose of it properly after use.

1.7. 320-2004 Residual Air Gap Adjusting Shim Warranty Instructions

(1) Product Warranty Conditions and Instructions

It is necessary to provide pictures, videos, or test reports detected by the residual air gap adjusting shim inspection equipment when the residual air gap adjusting shim 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) Residual Air Gap Adjusting Shim Warranty Coverage

If a performance failure occurs within 15 days of receiving the residual air gap adjusting shim 320-2004, and the product is not visually damaged, the customer may choose to exchange it.

If a performance problem occurs with the residual air gap adjusting shim 320-2004 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) Residual Air Gap Adjusting Shim Out of Warranty Coverage

- ① The warranty period has expired and is not covered.
- ② Residual air gap adjusting shim failure caused by high temperature, high pressure, humidity, rain,

snow, saline-alkali soil, earthquakes, or abnormal environments.

- ③ Residual air gap adjusting shim damage caused by human error (dropping, magnetization by a strong magnetic field, arson).
- ④ Residual air gap adjusting shim failure or damage caused by issues other than the injector Residual Air Gap Adjusting Shim's design, technology, manufacturing, or quality.
- ⑤ Residual air gap adjusting shim failure caused by system voltage exceeding the approved voltage.
- ⑥ Residual air gap adjusting shim failure caused by impurities (water, lead, aluminum powder, iron powder, sulfide) in the system fuel exceeding the standard requirements.
- ⑦ Residual air gap adjusting shim failure caused by installation not following the tightening torque specified in the vehicle's engine maintenance manual (excessive or insufficient tightening torque).
- ⑧ Residual air gap adjusting shim 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. 320-2004 Residual Air Gap Adjusting Shim Manufacturer

Residual Air Gap Adjusting Shim Manufacturer: Shenzhen Shumatt Technology Co., Ltd

2. 320-2004 Residual Air Gap Adjusting Shim Technical Support

2.1. 320-2004 Residual Air Gap Adjusting Shim Clean

(1) Before installation, the air gap adjusting shim 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 residual air gap adjusting shim after cleaning, ensuring it meets the usage standards.

2.2. 320-2004 Residual Air Gap Adjusting Shim Causes of Being Damaged

(1) Residual air gap adjusting shim failure due to impurities (water, lead, aluminum powder, iron powder, sulfides) in the fuel exceeding standard requirements.

(2) Normal wear of the residual air gap adjusting shim due to prolonged high-temperature operation.

(3) Wear of the residual air gap adjusting shim needle causing blockage of the oil orifice, resulting in insufficient fuel injection and inability of the injector to function properly.

⚠ Wear of the residual air gap adjusting shim needle causing blockage of the oil orifice, resulting in insufficient fuel injection and inability of the injector to function properly.

⚠ Wear of the residual air gap adjusting shim 320-2004 causes increased fuel injection, leading to black smoke from the vehicle, and in severe cases, inability of the injector to function properly.

⚠ If the residual air gap adjusting shim needle cannot be stably... Stuck motion can severely damage the

air gap adjusting shim.

⚠ Rust on the residual air gap adjusting shim spring can lead to spring breakage, causing black smoke from the vehicle.

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

⚠ Wearing of the residual air gap adjusting shim needle valve lift adjusting shim increases the needle valve stroke of the residual air gap adjusting shim, 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 residual air gap adjusting shim head to crack.

2.3. 320-2004 Residual Air Gap Adjusting Shim Technical Support Obtaining Methods

(1) Residual Air Gap Adjusting Shim Technical File , visit <http://shumatt.com> to get the technical file.

(2) Residual Air Gap Adjusting Shim 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) Residual Air Gap Adjusting Shim 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 Residual Air Gap Adjusting Shim Test Data Through Truck Book Parts EPC APP.

3. 320-2004 Residual Air Gap Adjusting Shim Purchase and Delivery

3.1. 320-2004 Residual Air Gap Adjusting Shim Purchase Payment Term

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

⚠ Please contact our salesmen for specific payment information.

3.2. 320-2004 Residual Air Gap Adjusting Shim Main Sales Markets

Residual air gap adjusting shim main sales markets: Asia, Europe, North America, South America, Africa etc.

3.3. 320-2004 Residual Air Gap Adjusting Shim 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. 320-2004 Residual Air Gap Adjusting Shim 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. 320-2004 Residual Air Gap Adjusting Shim Lead time

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

3.6. 320-2004 Residual Air Gap Adjusting Shim 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. 320-2004 Residual Air Gap Adjusting Shim 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. 320-2004 Residual Air Gap Adjusting Shim Storage Standard

(1) Choose a suitable storage place

The warehouse and cargo yard where the air gap adjusting shim 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 air gap adjusting shim 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 air gap adjusting shim placed in the room, and the corrosion of the air gap adjusting shim are significantly reduced.

Residual air gap adjusting shim 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 residual air gap adjusting shim is exposed to rain, the corrosion rate will increase significantly. The purpose of sealing is to isolate the residual air gap adjusting shim from rainwater and humid air, so the warehouse window should be checked in time to avoid rainwater entering the warehouse

If the residual air gap adjusting shim 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 residual air gap adjusting shim exposed in the air for a long time.

⚠ It is forbidden to store acid, alkali, salt and other substances together with the residual air gap adjusting shim.

⚠ The unpacked residual air gap adjusting shim 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: [1.7. 320-2004 Residual Air Gap Adjusting Shim 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
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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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