

DLLA155P1025 Injector Nozzle Technical File G1X9LA155P1025 G1Z17LA155P1025 G1HX16A155P1025 G1L1LA155P1025 G1S8LA155P1025 G4X9LA155P1025



DLLA155P1025 Injector Nozzle Technical File

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Content

1 DLLA1	55P1025 Inje	ctor Nozzle	Introduc	tion	and the second	al . al	1		1	2
3- 1 1	DLLA155P102	25 Injector	r Nozzle's	Basic Info	rmation	84	87°	84	34	
1 2	DILA1EED10	DE Inicator	Noralo's	Common	Mritton Dar	+ Numahar				2
1 2	DLLA155P102	25 Injector 25 Injector	Nozzle's	Annlicatio	n Informati	on for Injec	tors	. 197	. 65	
14	DLLA155P102	25 Injector	Nozzle's	necificati	ons and Dir	nensions Pa	rameters	- 30,000	. 30°	
1.0.1	DLLA155P102 DLLA155P102	25 Injector	Nozzle Q		d Com/ico	de la del	с. 1997 г.			
4.7.1			Nozzie s C	Justomize	u service			- 51		····
	DLLA155P102									
1.8.	DLLA155P102	25 Injector	Nozzle's	Warranty	Instruction	S	6		ν	15
	DLLA155P102									
	55P1025 Inje									
2.1.	DLLA155P102	25 Injector	Nozzle's	Installatio	n Precautio	ons	Gungan (نى _{تىرىك} ىنىڭ	5	5
2.2.	DLLA155P102	25 Injector	Nozzle In	spection.	en					6
2.3.	DLLA155P102	25 Injector	Nozzle Te	est Measu	rement					6
2.4.	DLLA155P102	25 Injector	Nozzle's	Installatio	n	and the second	لكوري الكر	كتوريب أ	l	7
2.5.	DLLA155P102	25 Injector	Nozzle Te	esting Afte	er Maintena	ince		.a	. A	7
2.6.	DLLA155P102	25 Injector	Nozzle Li	st of Tools	SUsed Duri	ng Measure	ment and	Installati	ion	8
2.7.	DLLA155P102	25 Injector	Nozzle C	auses of D	amage	San s	() Sigan			8
2.8.	DLLA155P102	25 Injector	Nozzle Te	echnical S	upport Ob	taining Met	hods	. A.	. S	9
3. DLLA1	55P1025 Inje	ctor Nozzle	e's Purcha	se and De	livery					9
3.1.	55P1025 Inje DLLA155P102 DLLA155P102	25 Iniector	Nozzle's	Purchase	, Pavment N	Aethods	С			9
3.2.	DLLA155P102	25 Injector	Nozzle's	Main Sale	s Market	53 ⁶⁰⁰⁰	Store.	- 98 ³⁰⁰⁰	- Starter	9
33	DLLA155P102		Nozzle's	Declarati	n Require					9
3.4	DLLA155P10	25 Injector 25 Injector	Nozzle's	Shinning \	Wavs		С. ₁₉₆ 5	1.00	San 1997 - S	q
3.4.	DLLA155P102	25 Injector 25 Injector 25 Injector	Nozzle's	Shipping \ Lead Time	Ways	action of the second	en al constantes en al			9 9
3.4. 3.5.	DLLA155P102 DLLA155P102	25 Injector 25 Injector	Nozzle's Nozzle's	Shipping \ Lead Time	Vays	al	and the			9 9
3.4. 3.5. 3.6.	DLLA155P102 DLLA155P102 DLLA155P102	25 Injector 25 Injector 25 Injector	Nozzle's Nozzle's Nozzle's	Shipping \ Lead Time Logistics	Vays Time for De	estination C	out of Chir	na's Area	 s	9 9 10
3.4. 3.5. 3.6.	DLLA155P102 DLLA155P102 DLLA155P102	25 Injector 25 Injector 25 Injector	Nozzle's Nozzle's Nozzle's	Shipping \ Lead Time Logistics	Vays Time for De	estination C	out of Chir	na's Area	 s	9 9 10
3.4. 3.5. 3.6. 3.7. 4. DLLA1	DLLA155P102 DLLA155P102 DLLA155P102 DLLA155P102 55P1025 ⁻ Injec	25 Injector 25 Injector 25 Injector 25 Injector 25 Injector	Nozzle's Nozzle's Nozzle's Nozzle's 's Storage	Shipping N Lead Time Logistics Packing Standard	Ways Time for De	estination C	out of Chin	na's Area		9 9 10 10 11
3.4. 3.5. 3.6. 3.7. 4. DLLA1	DLLA155P102 DLLA155P102 DLLA155P102 DLLA155P102 55P1025 ⁻ Injec	25 Injector 25 Injector 25 Injector 25 Injector 25 Injector	Nozzle's Nozzle's Nozzle's Nozzle's 's Storage	Shipping N Lead Time Logistics Packing Standard	Ways Time for De	estination C	out of Chin	na's Area		9 9 10 10 11
3.4. 3.5. 3.6. 3.7. 4. DLLA1 5.Compar 5.1. (DLLA155P102 DLLA155P102 DLLA155P102 DLLA155P102 55P1025 Inject Ny Information Company Intro	25 Injector 25 Injector 25 Injector 25 Injector 25 Injector 25 Nozzle 25 duction	Nozzle's Nozzle's Nozzle's Nozzle's 's Storage	Shipping V Lead Time Logistics Packing Standard	Vays Time for De	estination C	out of Chin	a's Area	s	9 9 10 10 11 12 12
3.4. 3.5. 3.6. 3.7. 4. DLLA1 5.Compar 5.1. (5.2.5	DLLA155P102 DLLA155P102 DLLA155P102 DLLA155P102 55P1025 Inject Ny Information Company Intro Sales-men's Co	25 Injector 25 Injector 25 Injector 25 Injector ctor Nozzle oduction ntact Infor	Nozzle's Nozzle's Nozzle's Nozzle's 's Storage	Shipping V Lead Time Logistics Packing Standard	Vays Time for De	estination C	out of Chin	a's Area	s	9 9 10 10 11 12 12
3.4. 3.5. 3.6. 3.7. 4. DLLA1 5.Compar 5.1. (5.2.5	DLLA155P102 DLLA155P102 DLLA155P102 DLLA155P102 55P1025 Inject Ny Information Company Intro	25 Injector 25 Injector 25 Injector 25 Injector ctor Nozzle oduction ntact Infor	Nozzle's Nozzle's Nozzle's Nozzle's 's Storage	Shipping V Lead Time Logistics Packing Standard	Vays Time for De	estination C	out of Chin	a's Area	s	9 9 10 10 11 12 12
3.4. 3.5. 3.6. 3.7. 4. DLLA1 5.Compar 5.1. (5.2.5	DLLA155P102 DLLA155P102 DLLA155P102 DLLA155P102 55P1025 Inject Ny Information Company Intro Sales-men's Co	25 Injector 25 Injector 25 Injector 25 Injector ctor Nozzle oduction ntact Infor	Nozzle's Nozzle's Nozzle's Nozzle's 's Storage	Shipping V Lead Time Logistics Packing Standard	Vays Time for De	estination C	out of Chin	a's Area	s	9 9 10 10 11 12 12
3.4. 3.5. 3.6. 3.7. 4. DLLA1 5.Compar 5.1. (5.2. 9 6. Copyrig	DLLA155P102 DLLA155P102 DLLA155P102 DLLA155P102 55P1025 Inject Ty Information Company Intro Sales-men's Co ght Statement	25 Injector 25 Injector	Nozzle's Nozzle's Nozzle's Nozzle's 's Storage mation	Shipping V Lead Time Logistics Packing Standard	Vays	estination C	out of Chin	na's Area	S	9 9 10 11 12 12 12 13 13
3.4. 3.5. 3.6. 3.7. 4. DLLA1 5.Compar 5.1. (5.2. 9 6. Copyrig	DLLA155P102 DLLA155P102 DLLA155P102 DLLA155P102 55P1025 Inject Ty Information Company Intro Sales-men's Co ght Statement	25 Injector 25 Injector	Nozzle's Nozzle's Nozzle's Nozzle's 's Storage mation	Shipping V Lead Time Logistics Packing Standard	Vays	estination C	out of Chin	na's Area	S	9 9 10 11 12 12 12 13 13
3.4. 3.5. 3.6. 3.7. 4. DLLA1 5.Compar 5.1. (5.2. 9 6. Copyrig	DLLA155P102 DLLA155P102 DLLA155P102 DLLA155P102 55P1025 Inject Ty Information Company Intro Sales-men's Co ght Statement	25 Injector 25 Injector	Nozzle's Nozzle's Nozzle's Nozzle's 's Storage mation	Shipping V Lead Time Logistics Packing Standard	Vays	estination C	out of Chin	na's Area	S	9 9 10 11 12 12 12 13 13
3.4. 3.5. 3.6. 3.7. 4. DLLA1 5.Compar 5.1. (5.2. S 6. Copyrig	DLLA155P102 DLLA155P102 DLLA155P102 55P1025 Inject by Information. Company Intro Sales-men's Co ght Statement.	25 Injector 25 Inj	Nozzle's Nozzle's Nozzle's Storage mation	Shipping V Lead Time Logistics Packing Standard	Vays	estination C	out of Chin	pa's Area	S	9 10 10 11 12 12 12 13 13
3.4. 3.5. 3.6. 3.7. 4. DLLA1 5.Compar 5.1. (5.2. S 6. Copyrig	DLLA155P102 DLLA155P102 DLLA155P102 55P1025 Inject by Information. Company Intro Sales-men's Co ght Statement.	25 Injector 25 Inj	Nozzle's Nozzle's Nozzle's Storage mation	Shipping V Lead Time Logistics Packing Standard	Vays	estination C	out of Chin	pa's Area	S	9 10 10 11 12 12 12 13 13
3.4. 3.5. 3.6. 3.7. 4. DLLA1 5.Compar 5.1. (5.2. S 6. Copyrig	DLLA155P102 DLLA155P102 DLLA155P102 55P1025 Inject by Information. Company Intro Sales-men's Co ght Statement.	25 Injector 25 Inj	Nozzle's Nozzle's Nozzle's Storage mation	Shipping V Lead Time Logistics Packing Standard	Vays	estination C	out of Chin	pa's Area	S	9 10 10 11 12 12 12 13 13
3.4. 3.5. 3.6. 3.7. 4. DLLA1 5.Compar 5.1. (5.2. 5 6. Copyrig	DLLA155P102 DLLA155P102 DLLA155P102 DLLA155P102 55P1025 Injectory Information Company Intro Sales-men's Co ght Statement.	25 Injector 25 Inj	Nozzle's Nozzle's Nozzle's 's Storage mation	Shipping V Lead Time Logistics Packing Standard	Vays	estination C	out of Chin	na's Area	5	9 9 10 11 12 12 13 13
3.4. 3.5. 3.6. 3.7. 4. DLLA1 5.Compar 5.1. (5.2. 5 6. Copyrig	DLLA155P102 DLLA155P102 DLLA155P102 DLLA155P102 55P1025 Injectory Information Company Intro Sales-men's Co ght Statement.	25 Injector 25 Inj	Nozzle's Nozzle's Nozzle's 's Storage mation	Shipping V Lead Time Logistics Packing Standard	Vays	estination C	out of Chin	na's Area	5	9 9 10 11 12 12 13 13
3.4. 3.5. 3.6. 3.7. 4. DLLA1 5.Compar 5.1. (5.2. 5 6. Copyrig	DLLA155P102 DLLA155P102 DLLA155P102 DLLA155P102 55P1025 Injectory Information Company Intro Sales-men's Co ght Statement.	25 Injector 25 Inj	Nozzle's Nozzle's Nozzle's 's Storage mation	Shipping V Lead Time Logistics Packing Standard	Vays	estination C	out of Chin	na's Area	5	9 9 10 11 12 12 13 13
3.4. 3.5. 3.6. 3.7. 4. DLLA1 5.Compar 5.1. (5.2. 5 6. Copyrig	DLLA155P102 DLLA155P102 DLLA155P102 DLLA155P102 55P1025 Injectory Information. Company Intro Sales-men's Co ght Statement.	25 Injector 25 Injector 25 Injector 25 Injector 25 Injector 25 Injector 25 Injector 25 Injector 25 Injector	Nozzle's Nozzle's Nozzle's Yos Storage	Shipping V Lead Time Logistics Packing Standard	Vays	estination C	out of Chin	pa's Area		9 9 10 11 12 12 13 13
3.4. 3.5. 3.6. 3.7. 4. DLLA1 5.Compar 5.1. (5.2. 5 6. Copyrig	DLLA155P102 DLLA155P102 DLLA155P102 DLLA155P102 55P1025 Injectory Information. Company Intro Sales-men's Co ght Statement.	25 Injector 25 Injector 25 Injector 25 Injector 25 Injector 25 Injector 25 Injector 25 Injector 25 Injector	Nozzle's Nozzle's Nozzle's Yos Storage	Shipping V Lead Time Logistics Packing Standard	Vays	estination C	out of Chin	pa's Area		9 9 10 11 12 12 13 13
3.4. 3.5. 3.6. 3.7. 4. DLLA1 5.Compar 5.1. (5.2. 5 6. Copyrig	DLLA155P102 DLLA155P102 DLLA155P102 DLLA155P102 55P1025 Injectory Information. Company Intro Sales-men's Co ght Statement.	25 Injector 25 Injector 25 Injector 25 Injector 25 Injector 25 Injector 25 Injector 25 Injector 25 Injector	Nozzle's Nozzle's Nozzle's Yos Storage	Shipping V Lead Time Logistics Packing Standard	Vays	estination C	out of Chin	pa's Area		9 9 10 11 12 12 13 13
3.4. 3.5. 3.6. 3.7. 4. DLLA1 5.Compar 5.1. (5.2. 5 6. Copyrig	DLLA155P102 DLLA155P102 DLLA155P102 55P1025 Inject by Information. Company Intro Sales-men's Co ght Statement.	25 Injector 25 Injector 25 Injector 25 Injector 25 Injector 25 Injector 25 Injector 25 Injector 25 Injector	Nozzle's Nozzle's Nozzle's 's Storage mation	Shipping V Lead Time Logistics Packing Standard	Vays		Contractions of the second sec	pa's Area		9 9 10 11 12 12 13 13

1. DLLA155P1025 Injector Nozzle Introduction

1.1. DLLA155P1025 Injector Nozzle's Basic Information

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Title anort	Common Rail Injector Nozzle DLLA155P1025 China made new	Brand	17.75 100
SKU1	G1X9LA155P1025/G4X9LA155P1025	XINGMA	
SKU2	G1Z17LA155P1025	LIWEI	100
SKU3 SKU3	G1HX16A155P1025	shumatt	en est
SKU4	G1L1LA155P1025	China made	
SKU5 SKU5	G1S8LA155P1025	China made new	ant'i sh

1.2. DLLA155P1025 Injector Nozzle's Common Written Part Number

Injector Nozzle Order Number	Injector Nozzle Engraved Number	de la compañía
093400-1025	DLLA155P1025	

1.3. DLLA155P1025 Injector Nozzle's Application Information for Injectors (1) DLLA155P1025 Injector Nozzle's Application for Injectors Part Number

	25 mjector Noz.	zie 3 Application for	Injectors Part Number	<u> </u>	- Con-
Injector Part Number	Injector Series	System Pressure	Re-manufactured Part Number	System Pressure	90° - 53 ⁰
095000-7410	G2		and all the state of the	and all all	15.55 11.50
095000-7720	G2	/	, Bu., Bu., Bu.,	/	.94.
095000-7730	് ₆ 2ന്	and a start of	and analy and a	The state of the state	1977 198
095000-7780	G2			- 1	100
(2) DLLA155P1	1025 Injector N	ozzle's Car Model M	latching Information	and and and	er.

Injector Part Number	TOYOTA Car Model	and and
095000-7410	an stan stan / stan stan st	an at a star
095000-7720	23670-30320	
095000-7730	23670-39295	and water -
095000-7780	23670-39316	n. 25 . 24

(3) DLLA155P1025 Injector Nozzle Part Number Common Writing 093400-1025, DLLA155P1025, DLLA 155 P 1025, DLLA155 P 1025, DLLA155P 1025, DLLA 155 P1025, DLLA 155P1025, DLLA 155P 1025

1.4. DLLA155P1025 Injector Nozzle's Specifications and Dimensions Parameters

Injector Nozzle Size: 6 cm*1.5cm *1.5 cm Injector Nozzle Barrel Dimensions: 7 cm *2 cm *2 cm Single Injector Nozzle Weight: 0.03kg

Injector Nozzle 10 PCS Per Box: 10 cm *8 cm *4cm

Injector Nozzle Weight 10 PCS Per Box : 0.3kg

Injector Nozzle Quality: China Made New Injector Nozzle Injector Nozzle MOQ: 10 PCS

1.5. DLLA155P1025 Injector Nozzle Quality Control

18 B

(1) Injector Nozzle Testing

All parts of the injector nozzle are subjected to precision testing, high temperature testing, low temperature testing, withstand pressure testing, leakage testing, durability testing, and various working conditions testing.

(2) Injector Nozzle Inspection

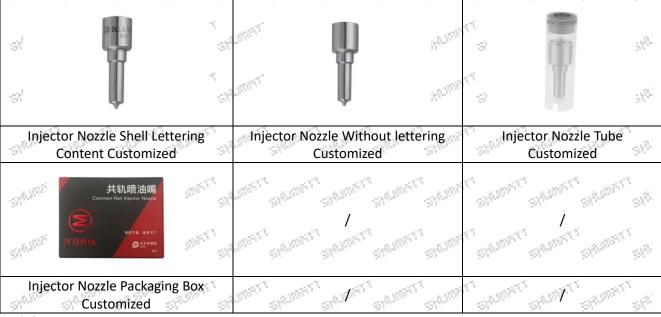
18 B 18 N The factory inspection of the injector nozzle is undergone full inspection, random inspection, and batch inspection three inspections. Different brands of test benches are used to test the same injector nozzle for a total of no less than three times for factory inspection, and the fuel injector installation testing environment are progressed in dust-free workshop. -18 P

(3) Injector Nozzle Installation

When matching the valve cap and valve steam, Shumatt strictly complies with the standard of valve cap and valve stem clearance technical indicators to ensure that each valve assembly meets the factory standards and use standards.

1.6. DLLA155P1025 Injector Nozzle's Customized Service

(1) Injector Nozzle's Customized Service: Meet the customized needs of OEM manufacturers for shell lettering (logo, nozzle part number, date and series number), nozzle without lettering, nozzle tube, nozzle box customized etc.



(2) Injector Nozzle's Customized Service Quantity Requirements:

The purchased of Customized injector nozzle's shell lettering or without lettering are no less than 100 pieces. The purchased of Customized injector nozzle tubes are no less than 2000-3000 pieces. The purchased of customized injector nozzle boxes are no 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.

A Once the customized injector nozzle is sold, it can't be returned or exchanged if there is no quality problems.

1.7. DLLA155P1025 Injector Nozzle's Packing List

(1) Injector N	Nozzle's Sp	are Par	ts List		s	i na	ø	E de	6	5 at 5	5
No.	Ser.	$(1^{2})^{\mathrm{pres}}$	- Den	S. Carrier	- St. ^{0,0} 2	-30°	-8800	Ser.	<u>ି</u> ଓ ସି	S. Same	330

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Structure Image Structure		st ^e	共轨喷油嘴 Common Rail Injector Notable 受了 来马头仇 ● AT### **
Name	Injector Nozzle Assy	Nozzle Tube	Injector Nozzle Box
Description	Injector Nozzle Part Number DLLA155P1025	Prevent Nozzle Rusting and Damaging from Collision	10 PCS/Box

Minors are prohibited to use fuel injector nozzle assembly, nozzle packing box to avoid injury. A ALTER C 15155 Injector nozzle box is recyclable and can be reused.

Injector nozzle barrels is non-degradable material, please dispose of it properly after use.

1.8. DLLA155P1025 Injector Nozzle's Warranty Instructions

(1) . Injector Nozzle's Warranty Conditions and Instructions

SPACENT It is necessary to provide pictures, videos, or test reports detected by the injector nozzle inspection equipment when the injector nozzle 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 Nozzle Warranty Coverage

and the second NORT . ³⁰¹ Within 15 days after customer receives the DLLA155P1025 injector nozzle if there is a performance failure and the product has no appearance damage, customer can choose to replace it or repair it;

If the DLLA155P1025 injector nozzle 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 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.

(3) . Injector Nozzle Out of Warranty Coverage

The warranty period has expired.

. SPARE - Staller - Stati Injector nozzle failure caused by high temperature, high pressure, humidity, rain and snow, saline-alkali d la land, earthquake, and used in abnormal environment.

Injector nozzle damage caused by man-made reasons (throwing, strong magnetic field magnetization, set fire).

Injector nozzle failure or injector damage caused by non-injector design, technology, manufacturing, Street Street quality and other issues.

Injector nozzle failure due to system pressure exceeding system approved pressure.

Injector nozzle failure caused by system voltage exceeding approved voltage. 18 C -

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

Injector nozzle 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).

Injector nozzle failure caused by not following the installation angle specified in the injector maintenance 0855 PROV. -00⁴⁵⁵ NOT STREET alt alt . manual. al an 18^{51 -} 1

Injector nozzle failure caused by not following the cleaning requirements specified in the injector maintenance maintenance manual.

Injector nozzle failure caused by failure to replace consumable parts as specified in the injector maintenance manual.

1.9. DLLA155P1025 Injector Nozzle's Manufacturer Injector nozzle's manufacturer: Shenzhen Shumatt Technology Co., Ltd

2. DLLA155P1025 Injector Nozzle's Technical Support

2.1. DLLA155P1025 Injector Nozzle's Installation Precautions

- (1) Clean the injector nozzle in an ultrasonic cleaner for 3-5 minutes before installation, so as to make the stains, dust, rust-proof oil oxides, paraffin base, naphthenic base, intermediate base, salt, lead naphthenate, zinc naphthenate, sodium petroleum sulfonate, barium petroleum sulfonate, calcium petroleum sulfonate, tallow diamine trioleate, rosinamine on the surface of the injector nozzle fall off.
 (2) Use semananeed sinte clean the clean the clean fund stacked to the surface of the injector nozzle fall off.
- (2) Use compressed air to clean the cleaning fluid attached to the surface of the injector nozzle after cleaning, and clean it up to the standard of use.

2.2. DLLA155P1025 Injector Nozzle Inspection.

(1) Check whether there is deformation, cracking, thread damage, quenching, leakage and rust in the guide sleeve, spring, gasket and tight cap of the nozzle. The tight cap of the nozzle must be replaced after being disassembled for more than 5 times, as shown in the following.



(2) Replace the tight cap of the nozzle and the copper gasket of the injector nozzle

(3) Check whether the gap between the nozzle needle and the nozzle shell is within the standard range and whether it reaches the standard for use

- All parts should be examined for wear under a microscope at least 20 times larger
- Nozzle tight cap deformation, cracking, thread damage, quenching, leakage, will lead to black smoke vehicle cap, fuel injector damage.
- Injector opening pressure greater than or less than the specified range may cause injector damage.
- Failure to replace wearing parts in time during maintenance may lead to fuel injector damage.

2.3. DLLA155P1025 Injector Nozzle Test Measurement

(1) Nozzle opening pressure test

Test whether the opening pressure range of the nozzle is within the range specified in the injector maintenance manual (to be verified), if not within the normal range, adjust the nozzle spring to adjust the gasket

If the value is greater than normal, reduce the oil nozzle spring adjusting gasket; if the value is less than normal, increase the oil nozzle spring adjusting gasket.

(2) Stroke Measurement of Nozzle Needle Valve

Use a measuring tool to measure whether the stroke of the nozzle needle valve is within the range (<mark>15-</mark> 45um) specified in the injector maintenance manual. If not, adjust the stroke of the nozzle to adjust the gasket.

If the value is greater than normal, thicken the gasket for oil-nozzle needle valve lift adjustment; if the value is less than normal, reduce the gasket for oil-nozzle needle valve lift adjustment

2.4. DLLA155P1025 Injector Nozzle's Installation

- (1) Tightening torque of injector nozzle.
- The torque lever and tightening moment specified in the injector maintenance manual must be installed when the injector nozzle is installed. (50Nm)



The tightening torque of the nozzle cap must be installed in accordance with the tightening torque specified in the injector maintenance manual set of the set of the

2.5. DLLA155P1025 Injector Nozzle Testing After Maintenance (1) After installation, it needs to be tested on the test bench.



The correct injector type should be selected for testing

(2) . The test results need to be ensured that the following items are within the standard data range of the test stand.

LEAK TEST: Test whether sealing test is up to standard or not

whether the nozzle is dripping oil, meanwhile observe that all joints are no oil leaking.

The static oil return of the test should not exceed 8mm2/H, otherwise, you need to check whether the high-pressure sealing ring, valve assembly, and stroke parameters of the injector are within the standard range.

VL: Test whether full load oil (main injection, high speed) is up to standard or not

This step needs to be combined with vehicle driving conditions, such as power, fuel consumption and smoke as well as the maintenance of the engine, if there is situation of insufficient power, fuel consumption is high, thick black smoke and irregularly maintenance of the engine, the engine needs to be maintained according to the maintenance handbook at very first time.

Mob/Whatsapp: +86 13410541523 Email : <u>ruby@shumatt.com</u> © 2022 Shenzhen Shumatt Technology Co., Ltd Tel: +8675523215133 Website : <u>www.shumatt.com</u>

Each of injector part needs to be adjusted and checked if there is any damage according to above situations to ensure the injector is normal. After make sure the injector works normal, you need to reduce the armature stroke if too much oil injection, and increase the armature stroke if too little oil injection. The error of each injector should be controlled in 6mm3/HH when adjusting.

TL\EM: Test whether the torque point, emission point, exhaust limit, fuel supply reach standard or not Through this test, it is detected that when the oil injection is too little, the engine's acceleration is slow, vice versa, when the oil injection is too much, the engine's acceleration will produce black smoke and the engine excessive exhaust emissions. Injector nozzle spring force gasket, armature stroke, lift gasket and solenoid valve spring force gasket determine whether exhaust restriction and injector fuel supply reach standard

LL: Test if the idle fuel supply reaches the standard This test detects oil injection is too much will cause engine idle smoke, otherwise if the oil injection too little will cause engine idling easy to stall, or difficult to start.

The uneven of oil injection causes the unstable rotation speed of engine , making noise, and increase the engine swing in the acceleration process.

Each injector error should be controlled within 2mm3/HH when adjusting.

Idle speed fuel supply quantity mainly by adjusting the nozzle spring force gasket.

VE: Test whether the pre-injection meets the standard

to start, the engine weak acceleration, slow response of injector.

Each injector error should be controlled within 0.5mm3/HH when adjusting

2.6. DLLA155P1025 Injector Nozzle List of Tools Used During Measurement and Installation

Image	shun et statement		shumati
SKU	CRT084	CRT220	CRT079
STANDS TT	Torque wrench: 19-110nm 1/2	Fuel injector stroke measuring tool:	MARANT' SHARAT' SHARAT' SH
Description	It is used to control tightening	is used to measure buffer	Micrometer: is used to
AND AND A	force and angle during installation	stroke of fuel injector, armature stroke and	measure gasket thickness
541 Set	inotaligation but put p	remaining air gap	or per per
SPAIRST'S			ALEANT SHERAL SHERALL SHE
Image State	A CONTRACT		ALEANT SHERATT SHERATT SHE
SKU	5 5 5 5 S	CRT281	5 5 5
State Description	Ultrasonic cleaning machine: is used for cleaning fuel injector and parts	Common rail injector test bench: check the injector working condition	

2.7. DLLA155P1025 Injector Nozzle Causes of Damage

(1) Fuel injector nozzle failure caused by impurities (water, lead, aluminum powder, iron powder, sulfide) in fuel exceeding standard requirements.

- (2) The nozzle is normally worn due to long time working under high temperature
- (3) Nozzle needle wear leads to oil hole blockage, insufficient fuel injection injector cannot work properly.

• Nozzle needle wear leads to oil hole blockage, insufficient fuel injection injector can't work properly.

A The wear of the nozzle leads to the increase of fuel quantity, resulting in black smoke of the vehicle, and the fuel injector can't work properly when it is serious. della

If the nozzle needle can't move smoothly stuck may cause serious damage to the injector nozzle

A The rusting of the nozzle spring leads to spring fracture and black smoke from the vehicle. ▲ The opening pressure of the nozzle decreases, and the oil quantity of the injector increases, leading to

black smoke of the vehicle, and the injector can't work properly when it is serious. Oil-nozzle needle valve lift adjustment gasket wear oil-nozzle needle valve stroke becomes larger, the fuel injector oil quantity becomes larger, resulting in black smoke of vehicles, resulting in the fuel injector can't work properly when serious.

f AThe cracking of the nozzle cap is caused by high intensity work under high temperature.

SHARN 2.8. DLLA155P1025 Injector Nozzle Technical Support Obtaining Methods

(1) Injector Nozzle Technical File, visit http://shumatt.com to get the technical file

(2) Injector Technical Videos

Star

Facebook: Visit <u>https://www.facebook.com/hison.li</u> constantly follow can get more information. YouTube: Visit https://www.youtube.com/channel/UCByvYBx7VjV_mAfxh_Hu-aw to get the technical videos, and can learn more information if you follow.

Shumatt: Visit http://shumatt.com to get the technical videos.

(3) Injector Nozzle 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 nozzle test data through TruckBook Parts EPC APP.

The The The Bar Bar 3. DLLA155P1025 Injector Nozzle's Purchase and Delivery. Time The The

3.1. DLLA155P1025 Injector Nozzle's Purchase Payment Methods

Payment Methods: T/T, PayPal, Alipay, WeChat Please **c**ontact our salesmen for specific payment information.

3.2. DLLA155P1025 Injector Nozzle's Main Sales Market.

SALES . Injector Nozzle's main sales markets: Asia, Europe, North America, South America, Africa etc.

3.3. DLLA155P1025 Injector Nozzle's Declaration Requirements

ALTERIA 179982.00 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. -Mille The second and the second second second second second

3.4. DLLA155P1025 Injector Nozzle's 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. $\mathcal{G}^{(i)}$

3.5. DLLA155P1025 Injector Nozzle's Lead Time

N. S. S. S. S. Stars. ASSETT ASTRA CL 2.035.25 NTPATES N STORES CONTRACT. Lead time: Send out within 3 – 7 working days after receiving payment (Except for special products and special cases). - 1997 - - 1997 -Then Then Then

Country or Region Departure	on of Hong Kong, Ch		Australia and Zealand	Eurone America	Other Countries
China's Mainla	nd 7 Days	7 Days	8 Days	8 Days 8-12 Day	rs 7-10 Days
PS Logistics Ti	me: Country	or Region of Departure	e: China's Ma	inland	SV
Country of Destination	Estimated Arrival Time	Country of Destination	Estimated Arrival Time	Country of Destination	Estimated Arrival Time
Japan	3 Days	Ster Ster Ster Ster Ster Ster Ster Ster	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 1997	7-10 Days	Qatar	7-10 Days	Poland 30	5-7 Days
Indonesia	3-5 Days	Morocco	7-10 Days	Pakistan	7-10 Days

3.6. DLLA155P1025 Injector Nozzle's Logistics Time for Destination Out of China's Areas

The logistics time is for reference only, subjects are according to the actual arrival.

3.7. DLLA155P1025 Injector Nozzle's Packing

Domestic express packaging: Usually wrapped in waterproof scotch tape, such as picture No.2. International express packaging : Wrapped with waterproof yellow tape After wrapping the black protective film, such as picture No. 3.

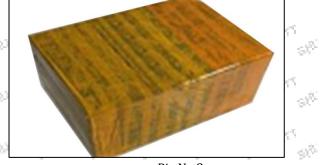
Pallet Shipping: Use fumigation free and recycling trays that meet export requirements, and use white wrapping protective film to wrap and bind with cable ties for the outside, such as picture No. 4, Also, the products can be packaged according to customers' requirements. -350

A The packing tray is made of plastic and can be recycled.

1730 $\mathcal{A}^{[i]}$ A 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.2 Domestic express packaging: Wrapped by Transparent tape





Pic No.4

Pallet Shipping: Use pallet that meet export requirements, and use white wrapping protective film to wrap and bind with cable ties

4. DLLA155P1025 Injector Nozzle's Storage Standard

(1) Choose a suitable storage place

The warehouse and cargo yard where the injector nozzles are 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 injector nozzles 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 nozzles must be protected from damage.

(3) Keep the warehouse dry and preventing moisture

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

Injector nozzles 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 nozzle is exposed to rain, the corrosion rate will increase significantly. The purpose of

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sealing is to isolate the injector from rainwater and humid air, so the warehouse window should be checked in time to avoid rainwater entering the warehouse

If the injector nozzle 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 nozzle exposed in the air for a long time.

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

A The unpacked diesel injector nozzle must be rust-proof during secondary storage.



Office LocationsGlobal Exhibitions

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.net

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: Room 428-430, Building B, Huafeng Zhigu Technology Industrial Park, Exit B, Fuyong Metro Station, Bao'an District, Shenzhen, China's 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: <u>1.8. DLLA155P1025 Injector Warranty Instructions</u>)

No.	Name	WeChat/ WhatsApp	Email	Facebook	YouTube
1	Ruby	+86-13410541523	ruby@shumatt.com	Hison Li	Hison Li
2	lvy lvy	+86-18025309821	sales@shumatt.com	Ivy Shumatt	Shumatt IVY
3	Rebecca	+86-18025349821	sales01@shumatt.com	Rebecca SHUMATT	SHUMATT Rebecca
4, 502	Janny	+86-18028749821	sales02@shumatt.com	Janny shumatt	Janny Shumatt
5	Sam	+86-13316859821	Sales8@shumatt.com	Shumatt Sam	Sam Shumatt
6	Natalie	+86- 18938945856	sales15@shumatt.com	Shumatt Natalie	Lin Natalie
7	Ada	+86-1342286353	sales5@shumatt.com	Shumatt Ada	Ada Shumatt
8	Hison Li	+86-18318811871	web@shumatt.com	Hison Li	Hison Li
9	Mecca	+86-18938948618	sales11@shumatt.com	Shumatt Mecca	Shumatt Mecca
10	Eric	+86 18319033618	sales3@shumatt.com		1 1
11 ,3 ⁶⁸	Wayne (Joaquín en español)	+86-13316959821	wayne@shumatt.com	shumattwayne	Wayne Shumatt
12	Sylvia	+86 18312499884	sales6@shumatt.com		
. A	1		obtain the latest information of sales mails are all end with @shumatt.com		C. Start

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