

Geely Binyue's silver oil rail injector with 200bar high-pressure mid-direct injection technology

Our Product Introduction

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Basic Information

- Place of Origin: China zhajiang
- Brand Name: GEELY
- Model Number: 2022020300
- Minimum Order Quantity: 10
- Price: RMB+1465+PC
- Packaging Details: carton packaging,
- Delivery Time: 20-30Work days
- Payment Terms: MoneyGram
- Supply Ability: 50000+PC+30day

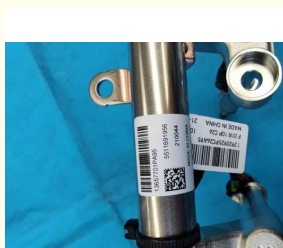


Product Specification

- Product Name: Oil Rail Injector
- Color: Silver
- Type: Car Inerior
- Application: Car Inside,Auto Car
- Package: Standard/Protective
- Function: Oil Injection
- Car Model: Geely Binyue
- Size: Standard
- Highlight: 200bar oil rail injector,
Geely Binyue oil rail injector,
Silver oil rail injector



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Product Description

Geely Binyue's silver oil rail injector with 200bar high-pressure mid-direct injection technology

Description:

Geely Binyue's oil rail injector adopts advanced technology and design. It is installed at the top of the engine combustion chamber and is a kind of closed injector.

The injector nozzle of this injector is a pair of precision coupling parts, in which the needle valve is generally made of high-speed steel with good thermal stability, while the needle valve body is made of high-quality alloy steel that is resistant to impact. After finishing and pairing grinding, their matching gap is extremely small, only 0.002~0.004mm.

According to the different structural forms of the injector, the closed injector can be divided into three forms: hole injector, shaft needle injector and low inertia injector. Geely Binyue's oil rail injector adopts a 6-hole injector.

The injector adopts 200bar high-pressure mid-direct injection technology, and the high-pressure fuel is directly injected into the combustion chamber through the injector for combustion. Compared with airway injection, the fuel loss is less, the fuel particles are smaller, the atomization is more uniform, and the combustion is more efficient, which can effectively reduce emissions and reduce fuel consumption.

In addition, through performance optimization and 6-hole injector, it also adopts the three-time spray spray guidance method, which can reduce the fuel moisture of the cylinder wall, make the oil and gas mixing more complete, effectively improve the start-up emission, and greatly reduce the risk of oil dilution.

This design makes Geely Binyue excellent in power performance, fuel economy and emission control, bringing drivers a stronger, more efficient and more environmentally friendly driving experience.

Applications:

The main function of Geely Binyue oil rail injector is to spray fuel into the intake manifold or cylinder with accurate time and quantity.

The injector is actually a solenoid valve, which works according to the injection timing and pulse width calculated by the engine control unit (ECU). When the ECU issues an instruction, the electromagnetic coil of the injector is electrated, generating magnetic force to overcome the spring force, opening the injector valve core, and the high-pressure fuel sprays out of the small hole of the injector.

For Geely Binyue's out-of-cylinder injection gasoline engine, the injector sprays gasoline into the intake pipe of the engine, forms a fog, and then mixes with air, and is inhaled into the cylinder for combustion during the intake stroke; while for the in-cylinder injection gasoline engine, the injector sprays gasoline directly into the cylinder, and after mixing with air, it is ignited by spark plugs and pushed. Move the piston to do the work.

Specifically, the functions of Geely Binyue oil rail injector include:

1. Quantitative control of fuel injection to adjust the speed and power of the engine;
2. Atomize the fuel, form a good oil and gas mixture, and improve the combustion efficiency;
3. In line with the working state of the engine, accurately control the fuel injection time to ensure that the fuel is injected into the cylinder at the right time.

Specifications:

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|--------------|---------------------|
| Product name | oil rail injector |
| Color | Silver |
| Type | Car Interior |
| Application | Car Inside,Auto Car |
| Package | Standard/Protective |
| Function | oil injection |
| Car model | Geely Binyue |
| Size | Standard |

Feature Advantage:

- High-pressure direct injection technology: 200bar high-pressure direct injection is used to directly spray the fuel into the combustion chamber for combustion. Compared with airway injection, there is less fuel loss, smaller fuel particles, more uniform atomization, and more efficient combustion, which can effectively reduce emissions and reduce fuel consumption.
- Three-time spray guide: through performance optimization, combined with a 6-hole injector, and the adoption of three-time spray spray guidance, it can reduce the fuel moisture of the cylinder wall, make the oil and gas mixture more complete, effectively improve the start-up emission, and greatly reduce the risk of oil dilution.
- Excellent material of the fuel injection nozzle: the needle valve of the injector is generally made of high-speed steel with good thermal stability, while the needle valve body is made of high-quality alloy steel that is resistant to impact. After finishing and pairing grinding, their matching gap is extremely small.
- Suppress pressure fluctuations: The oil rail can store fuel, and at the same time, it can suppress the pressure fluctuations caused by the high-pressure pump supply and injector injection to ensure the stability of the system pressure.
- Optimize NVH performance: NVH performance is optimized as much as possible and reduces noise and vibration through the NVH special design of multiple key parts such as vibration-damping balance shaft, four-pendulum dual-mass flywheel, ultra-silent timing belt, non-positive circular VVT, self-damping injector, etc. Although the engine can still be seen shaking significantly when opening the engine compartment cover, the vibration and noise transmitted to the car are relatively small, and the idle noise level in the car is basically the same as that of the four-cylinder naturally aspirated engine.



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