



Geely Binyue's permanent magnet and Hall-style black wheel speed sensor are used to measure vehicle speed.

Our Product Introduction

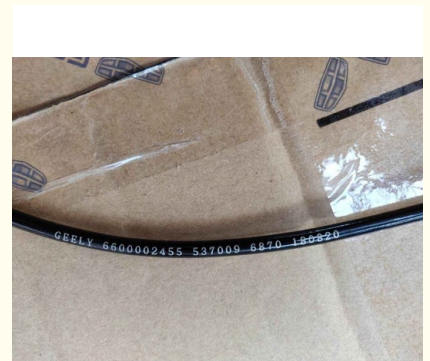
Basic Information

- Place of Origin: China zhajiang
- Brand Name: GEELY
- Model Number: 4060026400
- Minimum Order Quantity: 100
- Price: RMB+82+PC
- Packaging Details: carton packaging,
- Delivery Time: 20-30Work days
- Payment Terms: MoneyGram
- Supply Ability: 50000+PC+30day



Product Specification

- Product Name: Wheel Speed Sensor
- Color: Black
- Type: Car Interior
- Package: Standard/Protective
- Function: Measure Vehicle Speed.
- Car Model: Geely Binyue
- Size: Standard
- Weight: Super Light
- Highlight: Geely Binyue wheel speed sensor,
Permanent Magnet wheel speed sensor



Product Description

Geely Binyue's permanent magnet and Hall-style black wheel speed sensor are used to measure vehicle speed

Description:

Geely Binyue's wheel speed sensor is an important part of the vehicle used to detect the wheel speed.

The wheel speed sensor is usually installed in the position of the front wheel brake disc on the hub of each wheel. Its main function is to transmit the speed signal of the wheel to the relevant systems of the vehicle, such as anti-lock braking system (ABS), electronic stability program (ESP), vehicle dynamic control system (VDC), etc., to realize the vehicle system. Accurate control of dynamic and stable control and other functions.

The wheel speed sensor types that Geely Binyue may use include magnetoelectric or Hall type.

The advantage of magnetoelectric wheel speed sensor is that the manufacturing cost is relatively simple, the structure is relatively simple, and it is not afraid of sludge. It is mainly composed of permanent magnet, polar axis and induction coil. The working principle is: the magnetic force line mainly comes out through one pole of the magnetic core, passes through the tooth ring and air, and then returns to the other pole. Whenever the wheel is running, the magnetic resistance will be changed by inducing the magnetic field in turn, resulting in corresponding changes in the electric potential. Each frequency and amplitude reflect the speed of the wheel rotation. However, the disadvantage of the magnetoelectric wheel speed sensor is that the frequency response is not very high. When the vehicle speed is driving at high speed, the response frequency may not keep up, resulting in error signals, and the anti-electromagnetic interference ability is poor, and the output signal amplitude is relatively small.

The Hall wheel speed sensor is composed of two parts: a sensor head and a gear ring. The sensor head contains a permanent magnet, a Hall element and an electronic circuit. This kind of sensor is manufactured using the principle of the Hall effect. Its advantage is that the output signal voltage amplitude is not affected by the speed, the frequency response is high, and the anti-electromagnetic interference ability is strong. When working, the current is controlled by both ends of the semiconductor. If the magnetic field is added in the vertical direction of the chip, the chip will generate a potential to control the current and magnetic induction intensity at both ends. The output of the signal mainly depends on the magnetic induction intensity. The Hall potential pulse is generated by the change of input intensity. After internal amplification, shaping and amplification, the speed of wheel rotation is reflected through the pulse frequency.

The vehicle's speed sensor has an important impact on driving safety and performance. They can feedback the speed information of the wheels in a timely and accurate manner to help the vehicle's control system function better, such as preventing the wheel from being locked during emergency braking and maintaining the stability and handling of the vehicle.

Applications:

1. Anti-lock braking system (ABS) control

- Monitor the wheel speed in real time. When the vehicle brakes urgently, if a wheel is about to die, the ABS system will quickly adjust the braking force of the wheel according to the signal of the speed sensor to prevent the wheel from being held and maintain the steering ability and stability of the vehicle.

2. Electronic Stability Program (ESP) and Vehicle Dynamic Control (VDC)

- Provide wheel speed data for these systems, so that when the vehicle is understeered or excessive, it can correct the trajectory of the vehicle and improve driving safety by applying different braking forces to different wheels or adjusting the engine torque.

3. Adaptive Cruise Control (ACC)

- Assist the ACC system to determine the relative speed and distance between the vehicle and the front car, so as to automatically adjust the speed and maintain a safe distance.

4. Traction control system (TCS)

- When the driving wheel slips when the vehicle is accelerating, TCS can reduce the engine torque or apply brakes on the sliding wheels according to the signal of the wheel speed sensor to restore the traction of the wheels.

5. Automatic transmission control

- Provide speed information for the automatic transmission, so that it can select the appropriate gear according to parameters such as speed and accelerator pedal position, so as to achieve smooth shift and optimize fuel economy.

6. Dashboard speed display

- Provide speed data for the vehicle dashboard, so that the driver can accurately understand the speed of the vehicle.

In a word, Geely Binyue wheel speed sensor plays a key role in ensuring vehicle driving safety, improving control performance and optimizing the operation of the vehicle system.

Specifications:

Product name	wheel speed sensor
Color	Black
Type	Car Interior
Package	Standard/Protective
Function	measure vehicle speed.
car model	Geely Binyue
Size	Standard
Weight	Super light

Feature Advantage:

1. The output signal is stable: the amplitude of the output signal voltage is not affected by the speed, which can provide stable and reliable wheel speed data.

2. High-frequency response: It has high frequency response ability and can feedback the speed change of the wheel in a timely and accurate manner.

3. Strong anti-electromagnetic interference ability: it can work normally in a complex electromagnetic environment, reduce the impact of external electromagnetic interference on the signal, and ensure the stability and accuracy of the system.

4. High accuracy: It can accurately measure the speed of the wheels, provide accurate data support for the relevant systems of the vehicle, and help to realize the accurate control of functions such as anti-lock braking, electronic stability control, etc.

5. High reliability: It can work stably for a long time under various working conditions and has a long service life.

However, the specific characteristic advantages may vary according to the type of wheel speed sensor (such as magnetoelectric or Hall type) and product batches.

Wheel speed sensor is one of the important components in the vehicle. It provides key speed information for multiple systems

of the vehicle and has an important impact on driving safety and performance. If the wheel speed sensor fails, it may cause the relevant system to fail to work properly, such as the failure of the anti-lock braking system, the abnormal speed display of the instrument panel, etc.



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