



ABS wheel speed sensor 89542-48040 for Toyota Highlander 2008-2010

Our Product Introduction

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Basic Information

- Place of Origin: CHINA
- Brand Name: NABO
- Certification: TS16949
- Model Number: 89542-48040
- Packaging Details: poly bag or air bubble bag, any boxes with customers' label, Corrugated box , Standard tray
- Delivery Time: 3-35 days
- Payment Terms: D/P, L/C, T/T



Product Specification

- Product Name: ABS Wheel Speed Sensor
- Warranty: 12 Months
- Size: Standard



More Images



Product Description

Product Description:

The Role of the ABS Wheel Speed Sensor

An **ABS wheel speed sensor** is an integral part of a vehicle's **anti-lock braking system (ABS)**. Its purpose is to accurately track how fast each wheel is spinning and provide that crucial data to the ABS control module. The performance of the ABS relies on the sensor's ability to deliver timely and precise wheel speed information.

Essential Functions

The foremost task of the ABS wheel speed sensor is to gauge the rate at which each wheel rotates. Situated along the wheel hub or the axle shaft, the sensor achieves this by detecting the motion of a *toothed ring or tone wheel*. These components rotate in unison with the wheel, allowing the sensor to measure their speed directly.

Continuous Wheel Speed Monitoring

One of the key features of the ABS wheel speed sensor is its ability to provide constant surveillance over each wheel's rotational velocity. It transmits a series of signals reflecting this speed to the ABS control module. The control module then interprets these signals to check for any indications of wheel lock-up or notable discrepancies in speed between the wheels.

Enhancing Braking Through ABS

Upon sensing the risk of wheel lock-up or if a wheel's speed is vastly different from the others, the ABS control module springs into action. It promptly kicks off the *anti-lock braking mechanism*. This mechanism sharply modulates braking pressure, enabling the wheels to sustain grip and averting potential slides or uncontrolled skidding. This sequence of rapid brake applications is what helps maintain vehicle stability and steering capabilities during sudden stops or on slippery roads.

Features:

ABS Wheel Speed Sensor Features

Precise Wheel Speed Monitoring

Our advanced ABS wheel speed sensor is meticulously crafted to measure and report real-time rotational speeds of your vehicle's wheels. With the integration of cutting-edge sensor technology such as magnetic or hall effect sensors, our product guarantees exceptionally precise wheel speed data, ensuring swift and accurate communication with the vehicle's ABS control module.

Superior Braking Enhancement

Equipped with the capability to incessantly monitor wheel speeds, our sensor empowers the ABS to identify signs of potential wheel lock-up or inconsistencies in speed. This critical function permits the ABS to fine-tune brake pressure on-the-fly, curtailing the risk of wheel skidding and fortifying the bond between tire and pavement. Such advancements contribute to heightened braking effectiveness and heightened vehicular command, which are particularly beneficial in urgent scenarios and on slick surfaces.

Built to Last

Constructed with resilience in mind, our ABS wheel speed sensor boasts superior materials and components that are synonymous with endurance and dependable long-term service. The design is tailored to endure the demanding environment of the wheel well, including frequent encounters with grime, dampness, and temperature fluctuations, while maintaining optimal performance.

Comprehensive Quality Assurance

In line with our commitment to excellence, each ABS wheel speed sensor is subjected to a regimented quality control process. This ensures every unit meets, if not surpasses, OEM benchmarks, offering you the assurance and serenity that comes with a reliable and trusty product.

Value-Oriented Performance

Not only does our ABS wheel speed sensor demonstrate steadfast performance, but it also stands as an economical choice. Engineered to deliver the uncompromised safety and functionality of your vehicle's braking system, this sensor offers remarkable bang-for-your-buck, mitigating expenses without forgoing quality.

Applications:

ABS wheel speed sensors are at the heart of a vehicle's braking safety. These sensors closely track the speed of each wheel, providing critical data to the ABS system. This information is key to preventing wheel lock-up and helps to keep braking at its most effective. Ensuring that these sensors are in good working order and replacing them when they fail is vital for the uninterrupted and dependable functioning of the ABS.

Enhance your vehicle's braking capabilities with our top-tier ABS Wheel Speed Sensor. Our sensor guarantees precise detection of wheel speed, elevating your braking efficiency and boosting your road safety. Rely on our sensor's robustness and steadfast performance for accurate and uninterrupted wheel speed monitoring under all types of driving scenarios.

FAQ:

1. Who are we?

We are based in Guangzhou, China, start from 2018, we are specilizing in all kinds of spare parts for Japanese cars and Korean cars, for example, engine parts, suspension parts,electric parts, steering parts,transmission parts, body parts. . .

2. How can we guarantee quality?

Always a pre-production sample before mass production;

Always final inspection before shipment.

3. Why should you buy from us from other suppliers?

We have experience in spare parts for more than 10+years

A large of stock

Professional export company

Accept small order

We can design anything well according to customers' requirement

PRODUCT SPECIFICATIONS





MORE PRODUCTS



PRODUCTION LINE

Manufacturing Facility



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