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› HiSport Vehicle Speed Sensor 2501073P00 User Manual

## HiSport HSVSSC183

# HiSport Vehicle Speed Sensor 2501073P00 User Manual

Comprehensive guide for installation, operation, and maintenance.

## 1. PRODUCT OVERVIEW

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The HiSport Vehicle Speed Sensor (model 2501073P00) is a precision-engineered component designed to accurately measure and transmit vehicle speed data to the vehicle's onboard computer. This sensor is crucial for the proper functioning of the speedometer, cruise control, and other speed-dependent systems. It is built with high-strength thermoplastic materials resistant to temperature, moisture, and chemicals, ensuring durability and reliable performance.



Figure 1: HiSport Vehicle Speed Sensor 2501073P00.

## Key Features

- **Precise Speed Measurement:** Accurately detects vehicle speed for reliable speedometer readings and optimal vehicle performance.
- **Durable Construction:** Manufactured from high-strength thermoplastic, offering resistance to high temperatures, moisture, and various chemicals.
- **Direct Replacement:** Engineered to meet or exceed OEM specifications, ensuring a perfect fit and function for compatible vehicles.
- **Easy Installation:** Designed for plug-and-play installation, simplifying the replacement process.
- **Rigorous Testing:** Each sensor undergoes stringent inspection to guarantee quality, reliability, and smooth integration.

# OE part number

Vehicle Speed Sensor replaces 2501056G00 2501073P00 SC183 SC62 SU4654 0905014 GEGT7610-768.



Figure 2: High-strength thermoplastic materials ensure durability.

## Product Specifications

| Specification            | Detail   |
|--------------------------|--|
| Brand                    | HiSport  |
| Model Number             | 2501073P00 (HSVSSSC183)  |
| Material                 | Electronic Sensor Materials (e.g., Silicon, Metals, Polymers)  |
| Item Weight              | 6.24 ounces  |
| Mounting Type            | Flange Mount   |
| Output Type              | Push-Pull  |
| Manufacturer Part Number | HSVSSSC183   |
| Compatible Vehicles      | 1994 Nissan D21 2.4L, 1998-2001 Nissan Frontier 2.4L, 1995-1997 Nissan Pickup 2.4L, 1995-1996 Nissan Pickup 3.0L |

## 2. INSTALLATION GUIDE

### Before You Begin

- Ensure the vehicle is turned off and the battery is disconnected for safety.
- Identify the location of the existing vehicle speed sensor. This is typically found on the transmission or transaxle.
- Gather necessary tools, which may include wrenches, sockets, and a clean cloth.
- Verify the compatibility of the new HiSport sensor with your specific vehicle model and year.

# Easy Installation

Transmission Output Vehicle Speed Sensors, which you can quickly and easily replace your old.

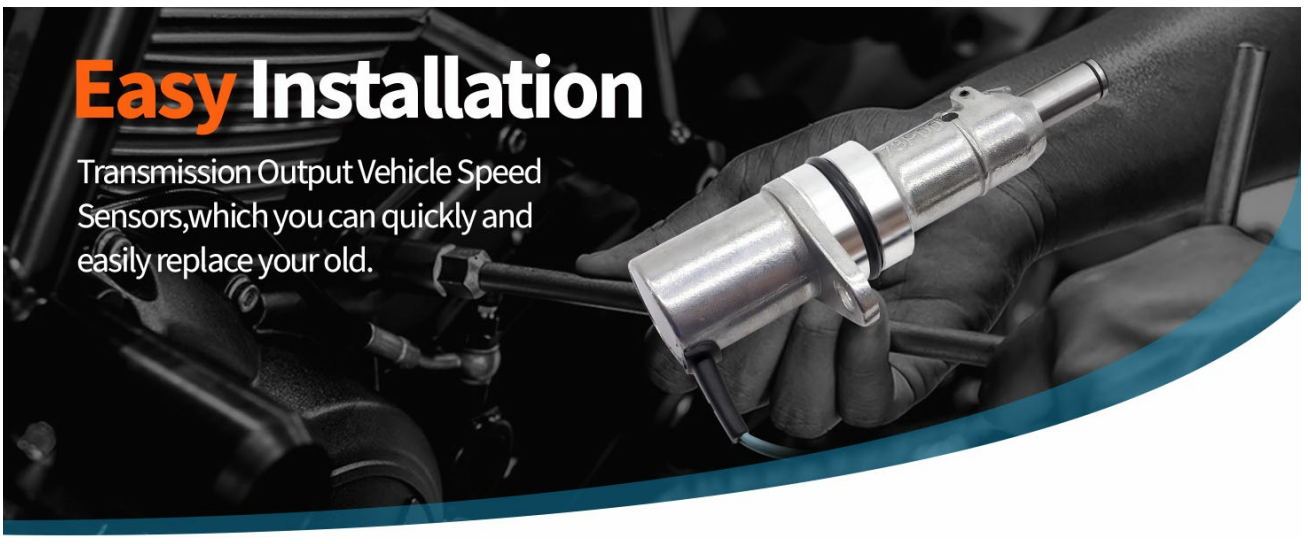


Figure 3: The sensor is designed for easy, plug-and-play installation.

## Installation Steps

1. **Locate the Old Sensor:** Identify the vehicle speed sensor on your vehicle's transmission or transaxle. It will have an electrical connector attached.
2. **Disconnect Electrical Connector:** Carefully disconnect the electrical connector from the old sensor. Press any release tabs or clips as needed.
3. **Remove Old Sensor:** Use an appropriate wrench or socket to loosen and remove the retaining bolt or clip holding the sensor in place. Gently pull the old sensor out of its housing.
4. **Inspect Mounting Area:** Clean the mounting area on the transmission to ensure no debris interferes with the new sensor's seal.
5. **Install New Sensor:** Insert the new HiSport Vehicle Speed Sensor into the opening. Ensure the O-ring (if present) is properly seated to prevent leaks. Secure it with the retaining bolt or clip, tightening it to the manufacturer's specifications.
6. **Connect Electrical Connector:** Reconnect the electrical connector to the new sensor, ensuring it clicks securely into place.
7. **Reconnect Battery:** Reconnect the vehicle's battery.
8. **Test Functionality:** Start the vehicle and check the speedometer for proper operation. Test cruise control if applicable.

Video 1: Visual demonstration of the HiSport Vehicle Speed Sensor and its components.

## 3. OPERATION

Once installed, the HiSport Vehicle Speed Sensor operates continuously to monitor the rotational speed of the transmission output shaft or vehicle wheels. This rotational speed is converted into an electrical signal, which is then sent to the vehicle's Engine Control Unit (ECU) or Transmission Control Unit (TCU).

### Normal Operation

- The speedometer on your dashboard should accurately display the vehicle's speed.
- Automatic transmissions should shift smoothly and at appropriate speeds.
- Cruise control, if equipped, should engage and maintain speed correctly.
- Anti-lock Braking System (ABS) and Traction Control System (TCS) may also rely on speed sensor data for proper function.

# Function

HiSport Vehicle Speed Sensor has undergone a rigorous inspection to ensure quality and Plugs into mating component smoothly and easily.

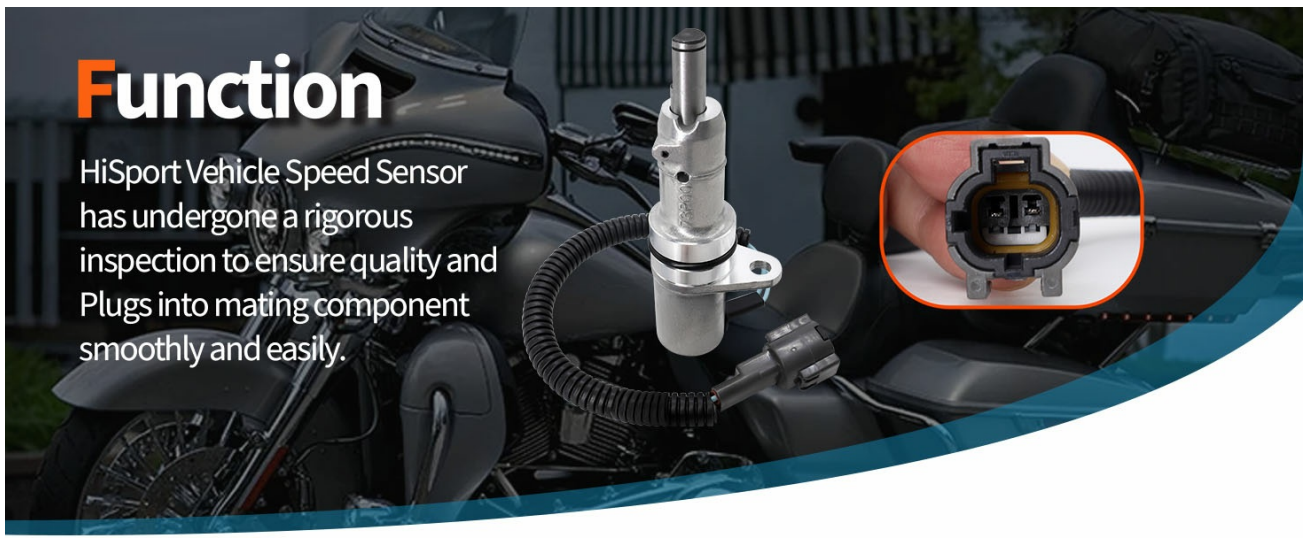


Figure 4: The sensor detects and displays driving speed, improving safety and smoothness.

## 4. MAINTENANCE

Vehicle speed sensors are generally low-maintenance components. However, periodic checks can help ensure their longevity and proper function.

### Routine Checks

- **Visual Inspection:** Periodically inspect the sensor and its wiring for any signs of physical damage, corrosion, or loose connections.
- **Cleanliness:** Ensure the sensor's tip and mounting area are free from excessive dirt, debris, or metal shavings, which could interfere with its readings.
- **Wiring Integrity:** Check the electrical harness connected to the sensor for fraying, cuts, or signs of rodent damage.
- **Secure Mounting:** Confirm that the sensor is securely mounted and not loose.

## 5. TROUBLESHOOTING

If you experience issues related to vehicle speed readings, the speed sensor might be a contributing factor. Here are some common symptoms and potential solutions:

| Symptom  | Possible Cause  | Solution  |
|--|---|---|
| Inaccurate or erratic speedometer readings                             | Faulty sensor, loose connection, damaged wiring, debris on sensor tip | Check connections, clean sensor tip, inspect wiring, replace sensor if necessary              |
| Cruise control not working   | Faulty sensor, related electrical issue                               | Verify sensor function, check cruise control system fuses/relays                              |
| Harsh or incorrect automatic transmission shifting                     | Faulty sensor, low transmission fluid, other transmission issues      | Check sensor, inspect transmission fluid level and condition, consult a mechanic              |
| Check Engine Light (CEL) with speed sensor related codes (e.g., P0500) | Faulty sensor, wiring issue, ECU problem                              | Scan for diagnostic trouble codes (DTCs), inspect sensor and wiring, clear codes after repair |

**Note:** Always consult a qualified mechanic or refer to your vehicle's service manual for detailed diagnostic procedures and repairs.

## 6. WARRANTY AND SUPPORT

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HiSport products are manufactured to high-quality standards. For specific warranty information regarding your Vehicle Speed Sensor, please refer to the warranty card included with your purchase or visit the official HiSport website. Keep your proof of purchase for any warranty claims.

For technical support, installation assistance, or any other inquiries, please contact HiSport customer service through their official channels. Contact information can typically be found on the product packaging or the HiSport brand store on Amazon.

**HiSport Store Link:** [Visit the HiSport Store on Amazon](#)