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Toiumops 89341-33260

Toiumops PDC Parking Sensor Instruction Manual

Model: 89341-33260

For Toyota Camry Hybrid ACV51, AVV50, GSV50

1. Product Overview

This document provides instructions for the installation, operation, and maintenance of the Toiumops PDC (Park Distance Control) Parking Sensor, model 89341-33260. This sensor is designed to assist drivers by detecting obstacles and measuring distances during parking maneuvers, helping to prevent vehicle damage.

Figure 1: Front view of the Toiumops PDC Parking Sensor.

2. Product Features and Function

- **Accurate Obstacle Detection:** The sensor accurately detects obstacles in the vehicle's path, providing reliable distance measurements.
- **Parking Assistance:** Aids the driver in parking by providing alerts, reducing the risk of collisions and scratches.

- **Durable Construction:** Manufactured from premium metal and plastic materials for enhanced durability and longevity.
- **OE Standard Compliance:** Designed to meet original equipment (OE) standards for a precise fit and reliable performance.

3. Compatibility

This PDC parking sensor (OE Number: 89341-33260) is compatible with the following Toyota Camry Hybrid models:

- Toyota Camry (HYBRID) ACV51, ASV5*, AVV50, GSV50 (Europe 08/2011 onwards)
- ASV50L-AETNKXJPP, RUS, LHD, 2ARFE, ATM, 6FC (08/2011-08/2014)
- ASV50L-RETNKXRUP, RUS, LHD, 2ARFE, ATM, 6FC (11/2014 onwards)
- ASV50R-AETNKWJPP, EUR, RHD, 2ARFE, ATM, 6FC (08/2011-08/2014)
- ASV51L-RETNHXRUP, RUS, LHD, 6ARFSE, ATM, 6FC (03/2015 onwards)
- AVV50L-AEXNBWJPP, EUR, LHD, 2ARFXE, ATM, CVFC (08/2011-08/2014)
- AVV50R-AEXNBWJPP, EUR, RHD, 2ARFXE, ATM, CVFC (08/2011-08/2014)
- GSV50L-AETGKWJPP, EUR, LHD, 2GRFE, ATM, 6FC (09/2014 onwards)
- GSV50L-AETGKXJPP, RUS, LHD, 2GRFE, ATM, 6FC (08/2011-08/2014)
- GSV50L-RETGKXRUP, RUS, LHD, 2GRFE, ATM, 6FC (11/2011-10/2014)

Important: Before purchasing or installing, verify your vehicle's displacement, year, and engine model against this compatibility list to ensure proper fitment.

4. Setup and Installation

This PDC parking sensor is designed as a direct replacement part. No modification, cutting, or drilling is typically required for installation when replacing an existing sensor.

4.1 Recommended Tools

- Basic automotive hand tools (e.g., screwdrivers, trim removal tools)
- Vehicle service manual (for specific vehicle panel removal instructions)

4.2 Installation Procedure

1. **Safety First:** Ensure the vehicle is turned off and the parking brake is engaged. Disconnect the negative terminal of the car battery if instructed by your vehicle's service manual for electrical component work.
2. **Locate Existing Sensor:** Identify the faulty PDC sensor on your vehicle's bumper.
3. **Access Sensor:** Depending on your vehicle model, you may need to remove bumper covers or inner fender liners to access the sensor from behind. Refer to your vehicle's service manual for precise instructions.
4. **Disconnect Wiring:** Carefully disconnect the electrical connector from the old sensor.
5. **Remove Old Sensor:** Unclip or unmount the old sensor from its housing in the bumper.
6. **Install New Sensor:** Insert the new Toiumops PDC sensor into the bumper housing, ensuring it clicks securely into place.
7. **Connect Wiring:** Reconnect the electrical connector to the new sensor. Ensure a firm connection.
8. **Reassemble:** Reinstall any removed bumper covers or fender liners.
9. **Test Functionality:** Reconnect the car battery (if disconnected). Start the vehicle and test the parking sensor system to ensure it functions correctly and the warning light on the dash is no longer present.

Note: Professional installation is highly recommended, especially if you are unfamiliar with automotive electrical systems or bumper removal procedures.

Figure 2: Close-up view of the sensor's 6-pin electrical connector.

5. Operating Instructions

Once installed, the PDC parking sensor operates automatically as part of your vehicle's parking assistance system. When the vehicle is in reverse gear or at low speeds (depending on your vehicle's specific system), the sensors will activate to detect obstacles.

- **Audible Alerts:** The system typically provides audible beeps that increase in frequency as the vehicle approaches an obstacle.
- **Visual Indicators:** Many vehicles also display visual cues on the dashboard or infotainment screen, showing the proximity and location of obstacles.

Always use caution and check your surroundings visually when parking, as the sensor system is an aid and not a substitute for driver vigilance.

6. Maintenance

The Toiumops PDC parking sensor requires minimal maintenance. To ensure optimal performance:

- **Keep Sensors Clean:** Regularly inspect the sensor's surface on the bumper for dirt, mud, ice, or snow. Clean gently with a soft cloth and mild soap and water. Avoid abrasive cleaners or high-pressure washers directly on the sensor.
- **Avoid Obstruction:** Ensure no stickers, paint, or accessories are covering the sensor's surface, as this can impair its function.
- **Check Wiring:** Periodically inspect the wiring connection for any signs of damage or corrosion.

7. Troubleshooting

If you experience issues with your PDC parking sensor, consider the following troubleshooting steps:

- **Warning Light On:** If a warning light related to the parking assist system appears on your dashboard after installation, ensure the sensor is correctly seated and the electrical connector is fully engaged. A diagnostic scan tool may be required to clear fault codes or identify specific issues.
- **Inaccurate Readings:** Check the sensor's surface for any obstructions (dirt, ice, paint). Clean the sensor thoroughly.
- **No Detection:** Verify that the system is activated (e.g., vehicle in reverse). If the issue persists, the sensor or its wiring may be faulty, or there might be an issue with the vehicle's PDC control module.
- **Intermittent Operation:** This could indicate a loose connection or an intermittent fault within the sensor or wiring.

For complex issues or persistent problems, it is recommended to consult a qualified automotive technician.

8. Specifications

Model Number	89341-33260
Alternate OE Number	8934133260
Material	Metal + Plastic
Color	Black (as per current product variant)
Compatibility	Toyota Camry Hybrid ACV51, ASV5*, AVV50, GSV50 (specific years/regions listed in Section 3)

Figure 3: Rear view of the sensor showing model and part numbers.

9. Package Contents

The package includes:

- 1 x Toiumops PDC Parking Sensor (Model 89341-33260)

10. Important Notes

- The actual color of the item may vary slightly from images due to monitor settings and lighting conditions.
- Always confirm the part number and vehicle compatibility before purchase and installation.

11. Support

Should you have any questions or require assistance regarding this product, please contact Toiumops customer support. We are committed to providing a satisfactory experience and will endeavor to resolve any issues you may encounter.

Contact information is typically provided with your purchase or on the manufacturer's official website.

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