

2546A-AG6SP4

Generic TPMS Tire Pressure Sensor 2546A-AG6SP4 Instruction Manual

For Opel Antara (2016-2018)

1. PRODUCT OVERVIEW

This document provides instructions for the Generic TPMS (Tire Pressure Monitoring System) Tire Pressure Sensor, model 2546A-AG6SP4. This sensor is designed for specific Opel Antara models manufactured between 2016 and 2018. It is engineered to be wear-resistant, waterproof, and impact-resistant, ensuring reliable performance in various environmental conditions.

The primary function of this TPMS sensor is to monitor tire pressure and temperature, helping to prevent tire blowouts and punctures. By maintaining optimal tire pressure, it contributes to fuel efficiency and reduces wear on the vehicle's suspension system.

2. INSTALLATION

The TPMS sensor is designed for straightforward installation, allowing for direct replacement of old or damaged sensors. No complicated tools are required for the installation process.

OE:2546A-AG6SP4



Image 1: Front view of the TPMS Tire Pressure Sensor 2546A-AG6SP4. This image displays the main body of the sensor with its integrated valve stem, highlighting its compact design.

Installation Steps (General Guidance):

1. Ensure the vehicle is safely supported and the tire is removed from the wheel.
2. Carefully remove the old TPMS sensor from the wheel rim.
3. Insert the new Generic TPMS sensor into the valve stem opening on the wheel rim, ensuring a secure fit.
4. Tighten the retaining nut to the manufacturer's specified torque.
5. Reinstall the tire onto the wheel and inflate to the recommended pressure.
6. Perform a TPMS relearn procedure as specified by the vehicle manufacturer to ensure the new sensor is recognized by the vehicle's system. This may require specialized tools or a visit to a service center.



Image 2: Side view of the TPMS sensor, showing the angle of the valve stem connection. This perspective illustrates the sensor's profile and how it connects to the tire valve.

Important: While installation is designed to be easy, it is recommended that installation and subsequent TPMS relearn procedures be performed by a qualified technician to ensure proper function and safety.

3. OPERATING PRINCIPLES

Once installed and properly recognized by the vehicle's TPMS system, the sensor continuously monitors the air pressure and temperature within the tire. This data is transmitted wirelessly to the vehicle's onboard computer.

- **Pressure Monitoring:** The sensor measures the internal tire pressure and alerts the driver if the pressure falls below a safe threshold or rises excessively.
- **Temperature Monitoring:** It also monitors the tire's internal temperature, which can be an indicator of potential issues such as excessive friction or underinflation.
- **Safety and Efficiency:** By ensuring tires operate within the specified pressure and temperature range, the sensor helps prevent tire damage, improves vehicle handling, and optimizes fuel consumption.



Image 3: Detailed view of the TPMS sensor, highlighting its electronic components and the robust casing. This image provides a closer look at the sensor's construction.

4. MAINTENANCE

The Generic TPMS Tire Pressure Sensor is a sealed unit designed for long-term, maintenance-free operation. No user-serviceable parts are inside. Regular maintenance involves:

- **Tire Rotations:** Ensure that during tire rotations, the sensors are handled carefully to avoid damage.
- **Valve Stem Care:** Periodically check the valve stem for any signs of damage or corrosion.
- **Battery Life:** The sensor's internal battery has a finite lifespan. When the battery depletes, the sensor will need to be replaced. The lifespan typically ranges from 5 to 10 years, depending on usage.

5. TROUBLESHOOTING

If your vehicle's TPMS warning light illuminates after sensor installation or during normal operation, consider the following:

- **Incorrect Installation:** Verify that the sensor was installed correctly and the valve stem is properly sealed.
- **Relearn Procedure:** Confirm that the TPMS relearn procedure was successfully completed. Some vehicles require specific driving conditions or diagnostic tools for the system to recognize new sensors.
- **Low Tire Pressure:** Check all tire pressures manually with a reliable gauge. Inflate tires to the recommended PSI.
- **Sensor Malfunction:** If the above steps do not resolve the issue, the sensor may be faulty or its battery may be depleted.

For persistent issues, it is recommended to consult a professional automotive technician for diagnosis and repair.

6. SPECIFICATIONS

Attribute	Detail
Product Name	Tire Pressure Monitoring System Sensor
Model Number	2546A-AG6SP4 (OEM Part Number)

Attribute	Detail
Material	Plastic, Metal
Vehicle Installation Position	Left, Right, Front, Rear
Compatibility	Opel Antara (2016, 2017, 2018)
Manufacturer Part Number	4964575240680
Brand	Generic

7. IMPORTANT NOTES AND WARNINGS

- **Compatibility Check:** Before purchasing or installing, always confirm that this product is suitable for your specific vehicle make, model, and year. Refer to your vehicle's owner's manual or consult a professional.
- **Professional Installation Recommended:** Although designed for ease of installation, professional installation is advised to ensure correct fitment and proper functioning of the TPMS system.
- **Air Valve Integrity:** The sensor incorporates precision-designed air valves to prevent leaks. Ensure these are not damaged during installation.

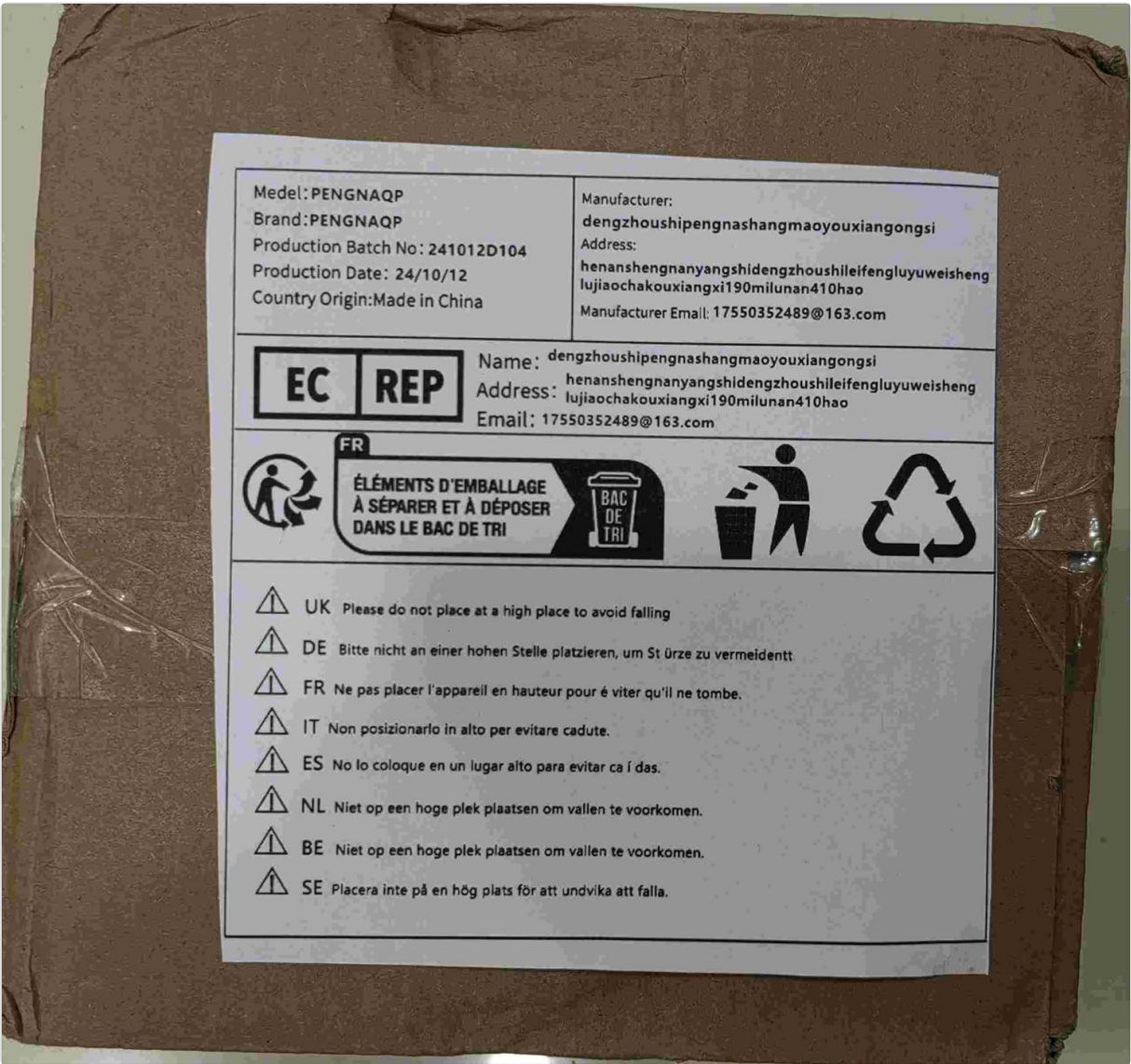


Image 4: Product packaging displaying various warning labels and manufacturer information. This image includes multilingual warnings regarding product handling and disposal instructions.

8. WARRANTY AND SUPPORT

For information regarding warranty coverage or technical support, please refer to the seller or the point of purchase. If you have any questions or encounter issues with the product, contact the seller directly for assistance.