Ajusa 10026100

Ajusa 10026100 Cylinder Head Gasket User Manual

Model: 10026100 | Brand: Ajusa

1. Introduction

This manual provides essential information for the proper installation and handling of the Ajusa 10026100 Cylinder Head Gasket. A cylinder head gasket is a critical component in an internal combustion engine, sealing the combustion chambers and coolant/oil passages between the engine block and cylinder head. Correct installation is paramount for engine performance and longevity.

Image 1.1: The Ajusa 10026100 Cylinder Head Gasket. This component is designed to create a tight seal between the engine block and the cylinder head, preventing leaks of combustion gases, coolant, and oil.

2. Specifications

The Ajusa 10026100 Cylinder Head Gasket is manufactured to precise standards to ensure optimal fit and performance.

Attribute	Value

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Brand	Ajusa
Model Number	10026100
Diameter	82.5 mm
Thickness	1.4 mm
Product Weight	140 g
Product Dimensions	39 x 15 x 0.14 cm
OEM Reference	11115-16070
Compatible with	81014400 (specific component)

3. Installation Guidelines

Proper installation is crucial for the performance and longevity of the cylinder head gasket. Refer to the technical diagram below for specific torque sequences and surface preparation requirements.

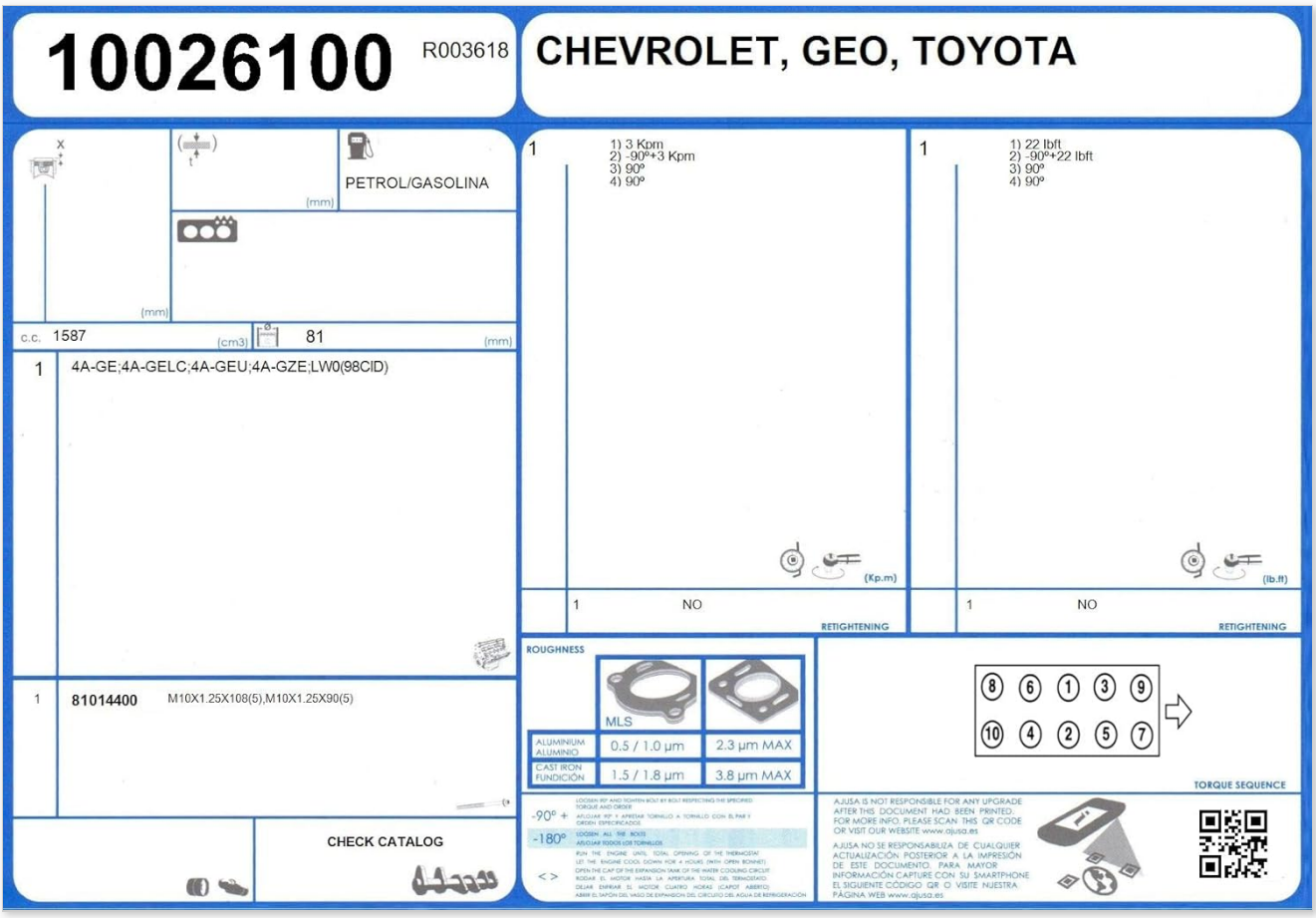

Image 3.1: Technical diagram for Ajusa 10026100, showing torque specifications, tightening sequences, and surface roughness requirements for Chevrolet, GEO, and Toyota engines.

3.1 Surface Preparation

Ensure that both the engine block and cylinder head surfaces are clean, dry, and free from any debris, old gasket material, or contaminants. The diagram specifies roughness values:

- **MLS (Multi-Layer Steel) Gaskets:** 0.5 / 1.0 µm (minimum/maximum)
- **Aluminum:** 2.3 µm maximum
- **Cast Iron:** 3.8 µm maximum

Proper surface finish is critical for achieving an effective seal and preventing leaks.

3.2 Torque Sequence and Values

The diagram illustrates the specific torque sequence for tightening the cylinder head bolts. Follow the numbered sequence carefully to ensure even pressure distribution across the gasket surface. The specified torque values are:

- **Step 1:** 3 Kpm (Kilopond-meter) or 22 lbft (Pound-feet)
- **Step 2:** 90° additional turn
- **Step 3:** 90° additional turn

Always use a calibrated torque wrench for accuracy. Incorrect torque can lead to gasket failure or engine damage.

3.3 Applicable Engines

This gasket is suitable for specific engine types, including:

- 4A-GE
- 4A-GELC
- 4A-GZE LWQ (96CID)

Verify your engine code against this list before installation.

For more detailed technical information and updates, please visit the official Ajusa technical portal: http://aj.tl/pt

4. Operating Considerations

Once installed, the cylinder head gasket operates as a static seal. Its performance is directly dependent on the quality of installation and the condition of the mating surfaces. Ensure that the engine's cooling system is properly filled and bled of air, and that the oil levels are correct, as these factors directly impact the gasket's operating environment.

5. Maintenance

Cylinder head gaskets are not typically subject to routine maintenance after installation. Their lifespan is determined by the quality of the initial installation, engine operating conditions, and the overall health of the engine. It is recommended to perform a thorough inspection for any signs of leaks (coolant or oil) after the first few operating cycles following installation. Any persistent leaks should be addressed immediately.

6. Troubleshooting

If issues arise after cylinder head gasket installation, consider the following common causes:

- **Coolant Leaks:** Often indicated by visible coolant seepage around the cylinder head or white smoke from the exhaust. This can be caused by improper surface preparation, incorrect torque, or a warped cylinder head/block.
- **Oil Leaks:** Visible oil seepage around the cylinder head. Similar causes to coolant leaks.
- **Overheating:** Can be a symptom of a compromised gasket allowing combustion gases into the cooling system, or coolant leaks.
- **Loss of Compression:** Indicated by rough idling, misfires, or reduced engine power. This suggests a breach in the combustion chamber seal, often due to an improperly seated or damaged gasket.

In case of any of these symptoms, it is recommended to consult a qualified automotive technician for diagnosis and repair.

7. Warranty and Support

For information regarding the warranty of your Ajusa 10026100 Cylinder Head Gasket, please refer to the official Ajusa website or contact your point of purchase. For technical support or further inquiries, please reach out to Ajusa customer service through their official channels.