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Model: MD066163

INTRODUCTION

This manual provides essential information regarding the ZDTOPA G13B G4DG Cylinder Head Gasket, model MD066163. It covers product specifications, compatibility, and general guidelines for installation and maintenance. Please read this manual thoroughly before attempting any installation or service.

PRODUCT OVERVIEW

The ZDTOPA G13B G4DG Cylinder Head Gasket, part number MD066163, is designed to provide a critical seal between the engine block and cylinder head. This component is vital for maintaining proper engine compression and preventing leakage of coolant or engine oil. It is constructed from graphite or similar materials, ensuring resistance to corrosion, heat, and oil, which are essential for engine longevity and performance.



Image: The ZDTPA G13B G4DG Cylinder Head Gasket, showing its overall shape and design. This gasket is crucial for sealing the engine's combustion chambers and fluid passages.

COMPATIBILITY

This cylinder head gasket is compatible with various vehicle models and engine types. Please verify your vehicle's engine code and part number before installation to ensure correct fitment.

Model	Engine Code	Displacement (cc)	Power (HP)	Body Type	Production Years
HYUNDAI PONY (X-2)	G4DG	1299	67	Hatchback	1989/10 - 1995/01
HYUNDAI PONY (X-2)	G4DG	1299	58	Hatchback	1989/10 - 1995/01

Model	Engine Code	Displacement (cc)	Power (HP)	Body Type	Production Years
HYUNDAI PONY / EXCEL Saloon (X-2)	G4DG	1298	69	Saloon	1989/09 - 1994/08
HYUNDAI PONY / EXCEL Saloon (X-2)	G4DG	1299	67	Saloon	1990/01 - 1995/01
HYUNDAI PONY / EXCEL Saloon (X-2)	G4DG	1298	65	Saloon	1992/12 - 1994/09
MITSUBISHI COLT II (C1_A)	G13B	1299	67	Hatchback	1986/06 - 1988/04
MITSUBISHI COLT III (C5_A)	4G13 (8V)	1299	70	Hatchback	1988/04 - 1992/05
MITSUBISHI COLT III (C5_A)	4G13 (8V)	1299	60	Hatchback	1988/04 - 1990/12
MITSUBISHI LANCER IV Saloon (C6_A)	G13B	1299	70	Saloon	1988/08 - 1992/05
MITSUBISHI LANCER IV Saloon (C6_A)	4G13 (8V)	1299	60	Saloon	1988/04 - 1992/05
MITSUBISHI LANCER IV Saloon (C6_A)	G13B	1298	68	Saloon	1988/05 - 1990/06
MITSUBISHI LANCER III Station Wagon (C1_V, C3_V)	G13B	1298	68	Estate	1988/05 - 1990/06
MITSUBISHI LANCER IV (C6_A, C7_A)	G13B	1298	60	Hatchback	1988/05 - 1990/06
MITSUBISHI LANCER IV (C6_A, C7_A)	G13B	1298	69	Hatchback	1988/05 - 1990/06
MITSUBISHI MIRAGE II Hatchback (C10)	G13B	1298	67	Hatchback	1986/04 - 1988/01
MITSUBISHI MIRAGE Estate	G13B	1298	67	Estate	1986/04 - 1988/01
MITSUBISHI MIRAGE III Hatchback (C5_ - C8_)	4G13 (8V)	1298	67	Hatchback	1990/07 - 1991/11

SPECIFICATIONS

- **Engine Model:** G13B, G4DG
- **Part Number:** MD066163
- **Cylinder Diameter:** Ø72.5MM
- **Material:** Graphite (or other suitable material)

- **Item Weight:** 2.2 Pounds
- **Manufacturer:** ZDTOPA

SETUP AND INSTALLATION

Installation of a cylinder head gasket is a complex procedure that requires specialized tools and expertise. It is strongly recommended that installation be performed by a qualified automotive technician. Incorrect installation can lead to severe engine damage and compromise vehicle safety.

General steps typically include:

1. Disconnecting the battery and draining engine fluids (coolant and oil).
2. Removing components obstructing access to the cylinder head, such as intake manifold, exhaust manifold, and timing components.
3. Carefully removing the cylinder head and the old gasket.
4. Thoroughly cleaning and inspecting mating surfaces of both the engine block and cylinder head for flatness, corrosion, or damage.
5. Installing the new gasket, ensuring correct orientation and alignment with all passages.
6. Reinstalling the cylinder head and other components, adhering strictly to manufacturer-specified torque sequences and values for cylinder head bolts.
7. Refilling engine fluids and performing system checks, including a cooling system pressure test and engine run-up.



Image: A view of the ZDTOPA cylinder head gasket, possibly showing a quality control stamp or branding. This angle highlights the precision cutouts for bolts and fluid passages.

OPERATING CONSIDERATIONS

Once installed, the cylinder head gasket operates continuously as part of the engine's sealing system. Proper engine operation, including maintaining correct coolant levels and oil pressure, is essential for the longevity of the gasket and overall engine health. Avoid engine overheating, as this is a primary cause of gasket failure. Regular monitoring of temperature gauges and fluid levels is recommended.

MAINTENANCE

The cylinder head gasket itself does not require routine maintenance. However, regular engine maintenance, such as checking coolant levels, oil levels, and ensuring the cooling system is functioning correctly, directly contributes to the gasket's lifespan. A well-maintained cooling system prevents excessive heat, which can degrade gasket materials. It is advisable to monitor for any signs of gasket failure, such as:

- **White smoke from the exhaust:** Indicates coolant burning in the combustion chamber.
- **Sweet smell from the exhaust:** Another indicator of burning coolant.
- **Engine overheating:** Can be a symptom or cause of a failing head gasket.
- **Coolant loss without visible leaks:** Suggests an internal leak.
- **Oil in the coolant or coolant in the oil:** Indicated by a milky appearance in either fluid reservoir.
- **Reduced engine performance:** Due to loss of compression.

TROUBLESHOOTING COMMON ISSUES

If you suspect a cylinder head gasket issue, consult a professional mechanic immediately. Early diagnosis can prevent more extensive engine damage and costly repairs.

- **Engine Overheating:** If the engine overheats, first check coolant levels, radiator function, thermostat operation, and the water pump. A failing head gasket can cause or be caused by persistent overheating.
- **Coolant/Oil Leaks:** Visually inspect the engine for external leaks around the cylinder head. Internal leaks require more advanced diagnostics, such as a block test or exhaust gas analysis in the coolant.
- **Loss of Compression:** A compression test or leak-down test can identify if a cylinder head gasket is failing to seal a combustion chamber, leading to misfires or reduced power.



Image: A detailed close-up of the gasket material and construction, highlighting the sealing rings and fluid passages. This view emphasizes the quality and precision of the component.

WARRANTY AND SUPPORT

For information regarding warranty coverage or technical support for your ZDTOPA G13B G4DG Cylinder Head Gasket MD066163, please contact ZDTOPA directly through their official channels or the retailer from whom the product was purchased. Keep your purchase receipt and product details readily available for any inquiries.

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