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› [DNJ](#) /

› DNJ HG48 Cylinder Head Gasket Instruction Manual for Ford and Mazda 2.2L L4 Engines (1987-1993)

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For Ford and Mazda 2.2L L4 Engines (1987-1993)

1. PRODUCT OVERVIEW

The DNJ HG48 is a brand new cylinder head gasket designed for specific Ford and Mazda vehicle applications. This component is crucial for sealing the combustion chambers and coolant/oil passages between the engine block and cylinder head, preventing leaks and maintaining proper engine compression.



Image 1.1: The DNJ HG48 Cylinder Head Gasket. This image displays the gasket's shape and design, highlighting the four cylinder openings and various bolt holes and fluid passages.

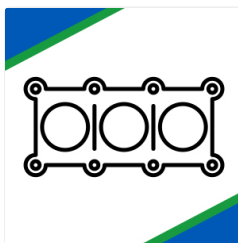


Image 1.2: An icon representing an engine block with cylinder bores, illustrating the component's function within the engine.

2. COMPATIBILITY

The DNJ HG48 Cylinder Head Gasket is compatible with the following vehicle applications:

- **Years:** 1987-1993
- **Makes:** Mazda, Ford

- **Models:** B2200, Probe, 626, MX-6
- **Engine Type:** 2.2L L4 SOHC (133cid)
- **Engine Aspiration:** Naturally Aspirated and Turbocharged variants

Always verify fitment with your vehicle's specific year, make, model, and engine code before installation.

3. INSTALLATION CONSIDERATIONS

Installation of a cylinder head gasket is a complex procedure that requires specialized tools, knowledge, and experience. It is highly recommended that this component be installed by a qualified automotive technician.

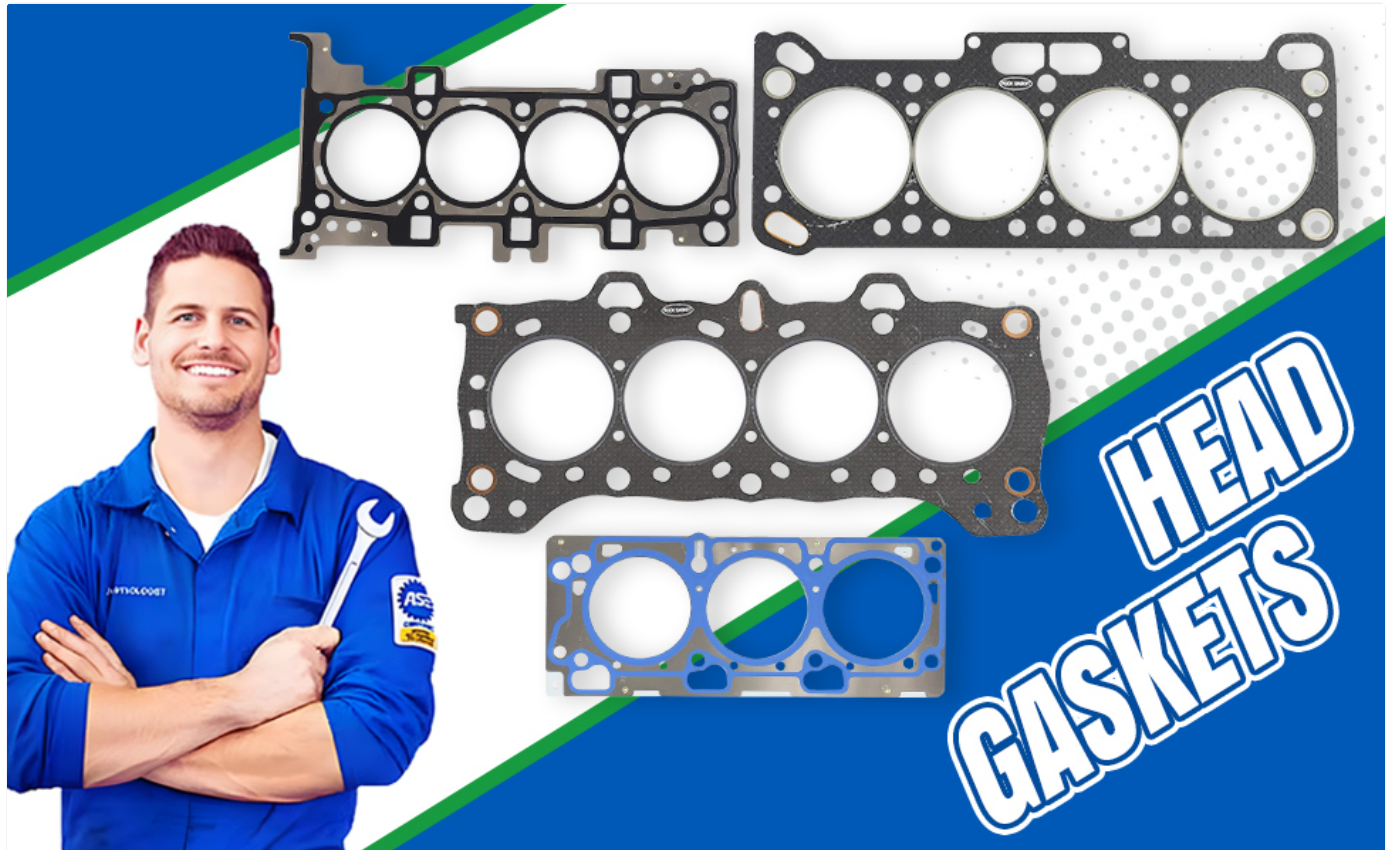


Image 3.1: A visual representation of a mechanic with various head gaskets, emphasizing the professional nature of engine component installation.

Key Installation Steps (General Guidance):

1. **Preparation:** Ensure all mating surfaces on the engine block and cylinder head are thoroughly cleaned, free of old gasket material, debris, and corrosion. Surface flatness should be checked according to manufacturer specifications.
2. **Gasket Placement:** Carefully position the new DNJ HG48 gasket onto the engine block, ensuring correct orientation and alignment with all bolt holes and passages.
3. **Cylinder Head Installation:** Lower the cylinder head onto the gasket and engine block.
4. **Torque Specifications:** Install cylinder head bolts and tighten them to the vehicle manufacturer's specified torque sequence and values. This often involves multiple stages and specific angles. Refer to your vehicle's service manual for precise instructions.
5. **Reassembly:** Reinstall all removed components, ensuring all connections (electrical, vacuum, coolant, fuel) are secure.
6. **Fluid Refill:** Refill engine with appropriate coolant and oil to specified levels.
7. **Initial Startup:** Perform an initial engine startup and check for leaks or abnormal operation.

Failure to follow proper installation procedures and torque specifications can lead to premature gasket failure and severe engine damage.

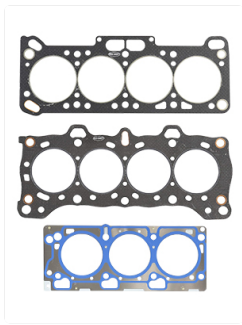


Image 3.2: A stack of various head gaskets, illustrating the diversity and precision required for these critical engine components.

4. MAINTENANCE

Once installed correctly, the DNJ HG48 Cylinder Head Gasket requires no specific routine maintenance. However, maintaining overall engine health is crucial for its longevity:

- **Coolant System:** Regularly check and maintain the engine's cooling system, ensuring proper coolant levels and condition. Overheating is a primary cause of head gasket failure.
- **Oil Changes:** Adhere to the vehicle manufacturer's recommended oil change intervals and use the correct type of engine oil.
- **Engine Monitoring:** Pay attention to any warning lights, unusual noises, or performance changes that could indicate an underlying engine issue.

5. TROUBLESHOOTING

If you suspect an issue with your cylinder head gasket after installation, common symptoms may include:

- **External Leaks:** Coolant or oil leaking from the seam between the cylinder head and engine block.
- **Internal Leaks:**
 - White smoke from the exhaust (coolant burning).
 - Sweet smell from the exhaust.
 - Milky discoloration in engine oil (coolant mixing with oil).
 - Bubbles in the coolant reservoir (exhaust gases entering the cooling system).
- **Overheating:** Persistent engine overheating.
- **Loss of Compression:** Reduced engine power, misfires, or rough idling.

If any of these symptoms occur, it is crucial to have the vehicle inspected by a qualified mechanic immediately to diagnose and address the issue.

6. SPECIFICATIONS

Specification	Detail
Part Number	HG48
Product Dimensions	22.06 x 8.88 x 0.13 inches
Item Weight	1 Pound
Manufacturer	DNJ ENGINE COMPONENTS
ASIN	B00TLG6VH0

UPC

849500015813

7. WARRANTY AND SUPPORT

The DNJ HG48 Cylinder Head Gasket is backed by a **1-year or 12,000-mile DNJ limited warranty**. This warranty covers defects in material and workmanship under normal use and service.



Image 7.1: Icons representing product quality and protection, reflecting the warranty provided.

For warranty claims, technical assistance, or any product-related inquiries, please contact DNJ Engine Components directly through their official support channels. Ensure you have your purchase details and vehicle information available when contacting support.

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