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› DNJ FGS7023 Full Gasket Sealing Set for 1980-1987 Subaru Brat 1.8L OHV H4 8V 1781cc EA81 Instruction Manual

DNJ FGS7023

DNJ FGS7023 Full Gasket Sealing Set Instruction Manual

Comprehensive guide for the installation and maintenance of the DNJ FGS7023 Full Gasket Sealing Set for Subaru Brat 1.8L EA81 engines.

PRODUCT OVERVIEW

The DNJ FGS7023 is a complete full gasket and sealing set designed for specific Subaru Brat models. This set provides all necessary gaskets and seals for an engine overhaul, ensuring a premium sealing solution for your vehicle's engine.

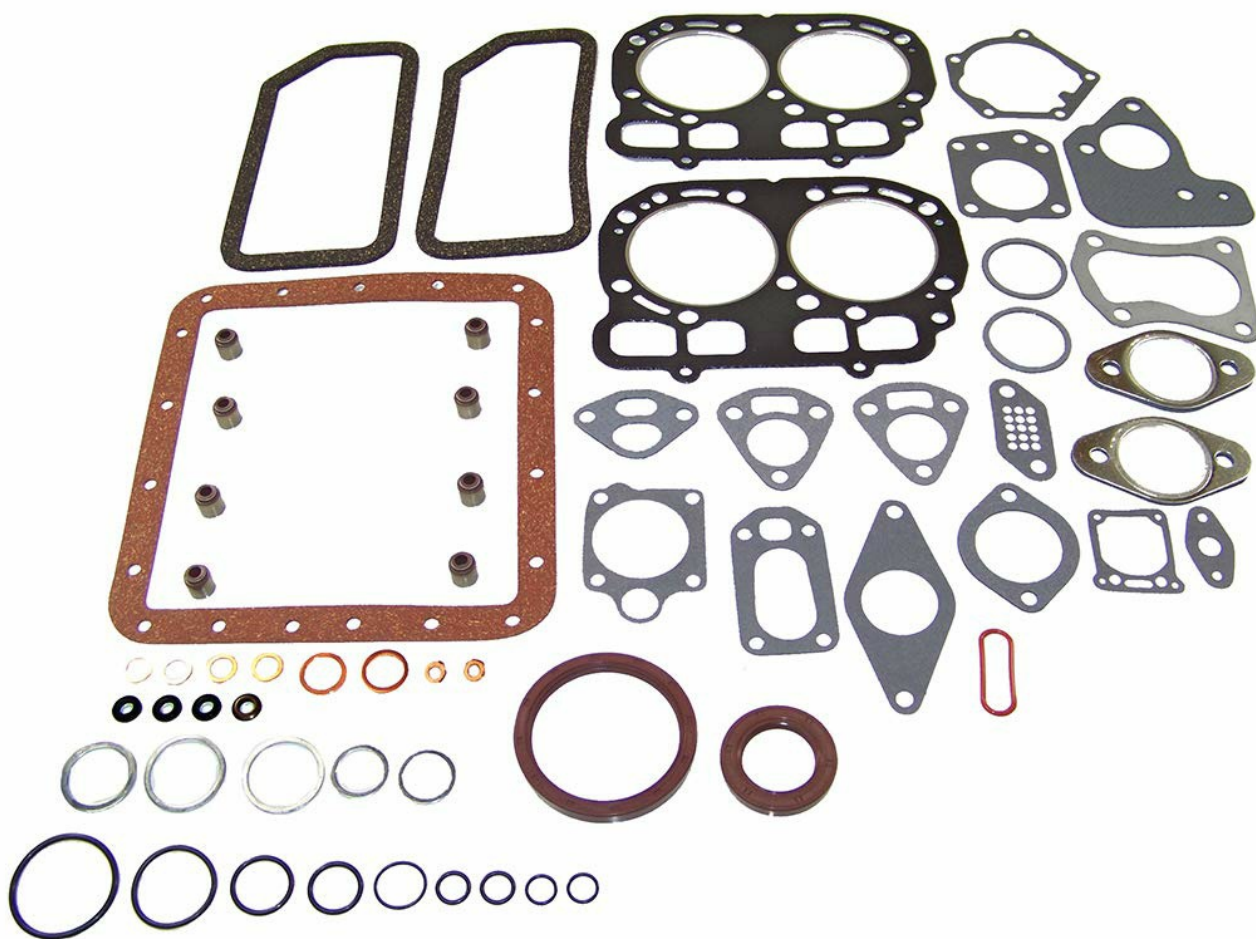


Figure 1: The complete DNJ FGS7023 Full Gasket Sealing Set, showing all included components for an engine overhaul.

VEHICLE COMPATIBILITY

This gasket set is compatible with the following vehicle specifications:

- **Years:** 1980-1987
- **Make:** Subaru
- **Models:** Brat, GL, DL, GLF, Standard
- **Engine:** 1.8L H4 OHV (1781cc)
- **Engine Designation:** EA81
- **Engine Type:** Naturally Aspirated, Turbocharged

PRE-INSTALLATION SETUP

Before beginning the installation process, ensure all necessary tools are available and the engine components are properly prepared.

1. **Surface Preparation:** Thoroughly clean all mating surfaces on the engine block, cylinder heads, and other components where gaskets will be installed. Remove all traces of old gasket material, carbon deposits, oil, and coolant. Use a suitable gasket scraper and cleaning solvent.
2. **Inspection:** Inspect all engine components for cracks, warpage, or damage. Ensure cylinder heads and engine block surfaces are flat and within manufacturer specifications.
3. **Component Identification:** Familiarize yourself with each gasket and seal in the FGS7023 set. Refer to the images provided to identify specific components.



Figure 2: Close-up of specific gaskets, including the oil pan gasket and valve cover gaskets, from the FGS7023 set.

INSTALLATION GUIDELINES

Follow the vehicle manufacturer's service manual for specific torque specifications and installation sequences. The

following are general guidelines for gasket installation:

- **Dry Installation:** Most modern gaskets are designed for dry installation. Avoid using sealants or RTV unless specifically instructed by the engine manufacturer or gasket instructions.
- **Correct Orientation:** Ensure each gasket is installed in its correct orientation. Many gaskets are directional.
- **Torque Specifications:** Adhere strictly to the engine manufacturer's torque specifications for all fasteners. Use a calibrated torque wrench.
- **Tightening Sequence:** Follow the recommended tightening sequence for components like cylinder heads and intake/exhaust manifolds to ensure even pressure distribution and prevent warping.
- **Seals:** Lubricate rubber seals (e.g., crankshaft, camshaft seals) with clean engine oil before installation to prevent damage during assembly.

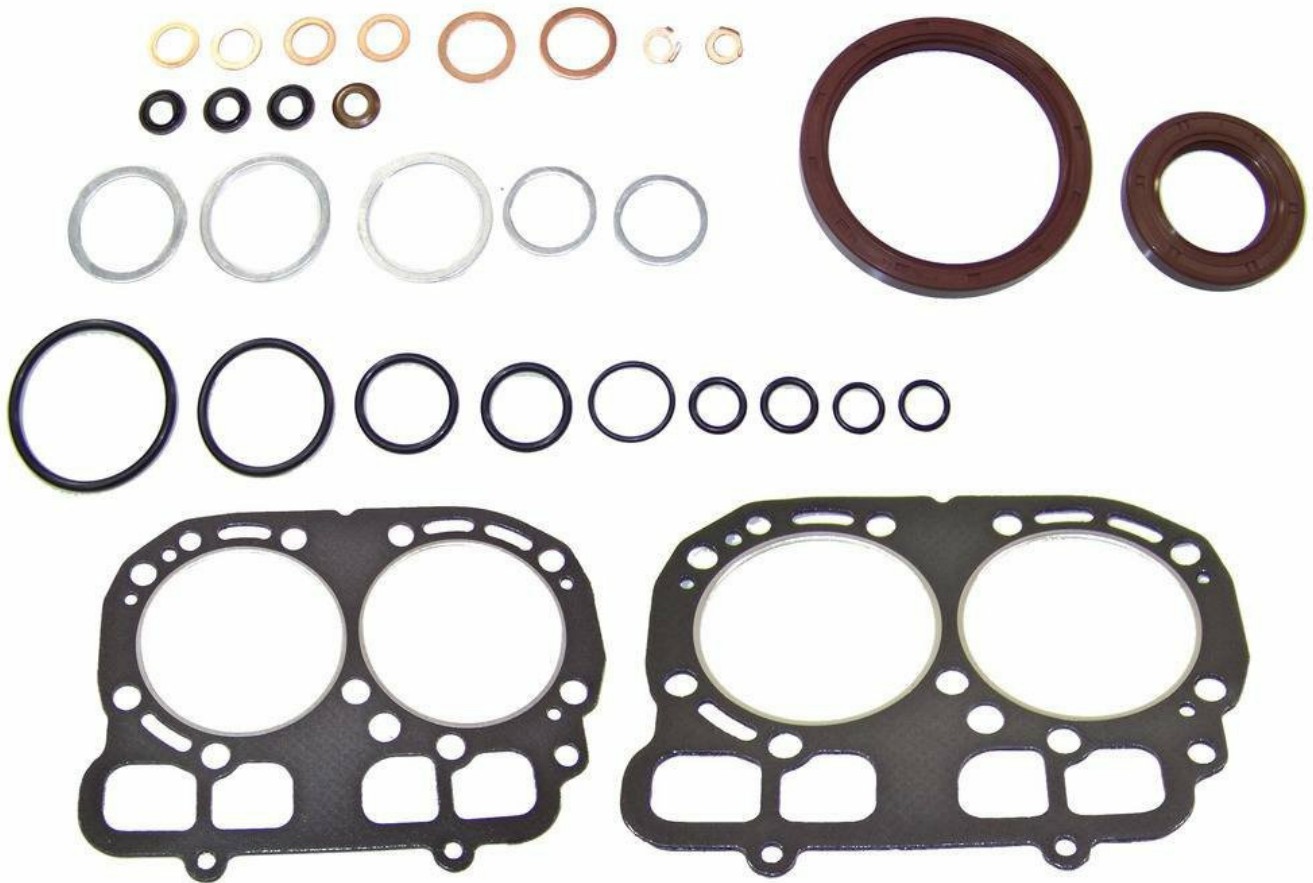


Figure 3: Various O-rings, oil seals, and the two cylinder head gaskets included in the FGS7023 kit.

POST-INSTALLATION AND MAINTENANCE

After completing the gasket installation, perform the following steps to ensure proper function and longevity:

- **Fluid Refill:** Refill all engine fluids (engine oil, coolant) to the manufacturer's recommended levels.
- **Initial Start-up:** Start the engine and allow it to reach operating temperature. Monitor for any leaks, unusual noises, or warning lights.
- **Leak Check:** Visually inspect all gasket areas for any signs of fluid leaks (oil, coolant).
- **Re-torque (if applicable):** Some engine manufacturers recommend re-torquing cylinder head bolts after a certain number of heat cycles. Consult your vehicle's service manual.
- **Regular Checks:** Periodically check fluid levels and visually inspect engine components for any signs of leaks during routine maintenance. Proper installation is key to long-term performance.



Figure 4: An assortment of smaller gaskets and seals, such as exhaust manifold gaskets and various O-rings, from the FGS7023 kit.

TROUBLESHOOTING COMMON ISSUES

If issues arise after gasket replacement, consider the following:

- **Fluid Leaks:**
 - *Cause:* Improper surface preparation, incorrect gasket installation, insufficient torque, or damaged gasket.
 - *Solution:* Re-inspect the affected area. Ensure surfaces are clean and flat. Verify gasket orientation and proper torque. Replace any damaged gaskets.
- **Overheating:**
 - *Cause:* Air pockets in the cooling system, improperly installed head gasket leading to coolant passage blockage or combustion gas leakage into coolant.
 - *Solution:* Bleed the cooling system thoroughly. If overheating persists and other causes are ruled out, re-evaluate head gasket installation.
- **Engine Misfire/Loss of Compression:**
 - *Cause:* Improperly installed head gasket, valve cover gasket leak affecting spark plugs, or intake manifold gasket leak.
 - *Solution:* Perform a compression test. Inspect spark plugs and associated components. Verify gasket integrity and installation.

SPECIFICATIONS

Part Number	FGS7023
Brand	DNJ
Engine Designation	EA81
Vehicle Fitment	1980-1987 Subaru Brat, GL, DL, GLF, Standard 1.8L H4 OHV (Naturally Aspirated, Turbocharged)
Fitment Notes	Premium Sealing Solution, Overhaul Set
Interchange Part Numbers	032-2580, 033-0598, 32453, 260-1283, HS8818B1, CS8818, FS3709, FS31960
Package Dimensions	21 x 12 x 1.25 inches
Package Weight	2.1 Pounds
Manufacturer	DNJ ENGINE COMPONENTS
UPC	849500009690

WARRANTY INFORMATION

The DNJ FGS7023 Full Gasket Sealing Set is covered by a limited warranty. All DNJ® Parts carry a limited **12-month or 12,000-mile warranty**, whichever occurs first. This warranty is limited to the replacement of a defective product only. For detailed warranty terms and conditions, please refer to the official DNJ Engine Components warranty policy or contact DNJ customer support.

SUPPORT AND CONTACT

For technical assistance, product inquiries, or warranty claims, please contact DNJ Engine Components directly. Always

provide your product model number (FGS7023) and vehicle details when seeking support.
Note: Professional installation is recommended for this product. Improper installation may void warranty or lead to engine damage.

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This manual is for informational purposes only. Always consult a certified mechanic and the vehicle's official service manual for specific repair procedures.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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