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Fel-Pro 17852

FEL-PRO 17852 Plenum Gasket Set: Installation and Maintenance Guide

Model: 17852 | Brand: Fel-Pro

INTRODUCTION

This instruction manual provides essential information for the proper installation and maintenance of the Fel-Pro 17852 Plenum Gasket Set. Designed for reliable vehicle sealing, this set utilizes application-specific materials to ensure performance and durability. Adhering to these guidelines will help achieve optimal sealing and extend the lifespan of your engine components.

SAFETY INFORMATION

Always prioritize safety when working on any vehicle. Ensure the engine is cool before beginning work. Disconnect the battery to prevent accidental electrical discharge. Wear appropriate personal protective equipment, including safety glasses and gloves. Refer to your vehicle's service manual for specific torque specifications and additional safety precautions. Improper installation can lead to engine damage or personal injury.

PRODUCT OVERVIEW

The Fel-Pro 17852 Plenum Gasket Set is engineered to provide a superior seal for the intake plenum and runners. Key features include:

- **Proprietary Coating:** A nonstick anti-friction coating is applied to seal small surface imperfections, enhancing the sealing capability.
- **No Retorque Design:** The steel core construction helps eliminate the need for retorquing head bolts after initial installation.
- **Superior Seal:** Features precise embossed Printoseal sealing beads in critical areas to prevent leak paths.
- **Strong and Durable:** Constructed with graphite or reinforced fiber facing material and steel armor for enhanced strength and longevity.
- **Designed for Imperfect Sealing Surfaces:** Specifically manufactured for repair environments, aiding in sealing surfaces that may not be perfectly flat.



Image Description: This image displays the components of the Fel-Pro 17852 Plenum Gasket Set. It includes one larger, irregularly shaped gasket with two large central openings and four bolt holes, designed for the main plenum. Below it are four identical, rectangular-shaped gaskets with rounded corners and two bolt holes each, intended for the intake runners. All gaskets are dark gray with a distinct blue sealing bead around their perimeters.

INSTALLATION (SETUP)

1. Preparation:

- Ensure the engine is completely cool.
- Disconnect the negative battery terminal.
- Carefully remove all components obstructing access to the intake plenum and runners, such as air intake systems, throttle body, and fuel lines. Refer to your vehicle's service manual for specific disassembly procedures.

2. Surface Cleaning:

- Thoroughly clean all mating surfaces on the intake manifold and cylinder heads. Remove all traces of old gasket material, carbon deposits, oil, and debris. Use a plastic scraper or gasket remover chemical if necessary, being careful not to scratch or damage the aluminum surfaces.
- Ensure surfaces are dry and free of any contaminants before proceeding.

3. Gasket Placement:

- Carefully position the new Fel-Pro 17852 plenum gaskets onto the clean mating surfaces. Ensure proper alignment with bolt holes and ports.
- The proprietary coating and Printoseal beads on these gaskets are designed for optimal sealing without additional sealants. Do not apply RTV or other sealants unless specifically instructed by the vehicle manufacturer's service manual for a particular application.

4. Reassembly:

- Reinstall the intake plenum and other removed components.
- Tighten all bolts to the vehicle manufacturer's specified torque values and sequence. Refer to your vehicle's service manual for these critical specifications. The "no retorque design" of these gaskets means that once properly torqued, subsequent retorquing is generally not required.

5. Final Checks:

- Reconnect all electrical connectors, vacuum lines, and fuel lines.

- Reconnect the negative battery terminal.
- Check all fluid levels.

POST-INSTALLATION AND OPERATING CONSIDERATIONS

After installation, perform the following steps to ensure proper functioning:

- **Initial Start-up:** Start the engine and allow it to reach operating temperature. Monitor for any unusual noises, leaks, or warning lights.
- **Leak Detection:** Visually inspect around the plenum and intake runner areas for any signs of vacuum leaks or fluid leaks. A smoke test can be performed if a vacuum leak is suspected.
- **Performance Check:** Drive the vehicle under various conditions to confirm normal engine operation, acceleration, and idle stability.

MAINTENANCE

Plenum gaskets are generally considered long-life components and do not require routine maintenance after proper installation. However, periodic inspection during other engine work is recommended:

- **Visual Inspection:** During routine engine checks or other repairs, visually inspect the areas around the plenum and intake runners for any signs of oil seepage, coolant leaks, or vacuum leaks.
- **Addressing Issues:** If any leaks or signs of gasket degradation are observed, it is recommended to replace the gasket set to prevent further engine issues.

TROUBLESHOOTING

If issues arise after installing the plenum gasket set, consider the following common troubleshooting steps:

- **Vacuum Leaks:** Symptoms include rough idle, engine surging, poor fuel economy, or illuminated check engine light (with codes related to lean conditions). Recheck all vacuum lines and ensure the plenum and intake runner bolts are torqued correctly. A smoke test can pinpoint the exact location of a leak.
- **Fluid Leaks (Oil/Coolant):** If oil or coolant is observed around the gasket area, it indicates an improper seal. This could be due to damaged gasket surfaces, incorrect gasket placement, or insufficient torque on the bolts. Disassembly and re-inspection are necessary.
- **Check Engine Light:** If the check engine light illuminates after installation, retrieve diagnostic trouble codes (DTCs) using an OBD-II scanner. Codes related to misfires, lean conditions, or sensor readings can often point to a vacuum leak or other installation-related issues.

SPECIFICATIONS

Attribute	Detail
Brand	Fel-Pro
Model Number	17852
Manufacturer Part Number	17852
OEM Part Number	17852
Material	Steel (core), Graphite/Reinforced Fiber (facing)

Attribute	Detail
Item Weight	1.23 ounces
UPC	841131785288, 084113178528

OFFICIAL PRODUCT VIDEOS

No official product installation or instructional videos from the seller are available for this specific model at this time.

WARRANTY INFORMATION

Specific warranty details for the Fel-Pro 17852 Plenum Gasket Set are not provided in the product information. For warranty inquiries, please refer to the official Fel-Pro website or contact their customer support directly.

SUPPORT

For technical assistance, additional product information, or support, please visit the official Fel-Pro website or consult a certified automotive technician. Always refer to your vehicle's specific service manual for detailed repair procedures and torque specifications.

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