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Fel-Pro 72302

FEL-PRO 72302 Throttle Body Gasket Installation and Maintenance Manual

Model: 72302 | Brand: Fel-Pro

INTRODUCTION

The FEL-PRO 72302 Throttle Body Gasket is engineered to provide a reliable seal for your vehicle's throttle body or idle air control valve. This gasket is designed with application-specific materials to ensure optimal performance and durability, meeting or exceeding original equipment specifications. Proper installation is crucial for maintaining engine efficiency and preventing vacuum leaks.

Key Features:

- Meets or exceeds all original equipment specifications.
- Application-specific design ensures a precise fit.
- Engineered and manufactured for the repair environment.
- Validated for fit, form, and function.

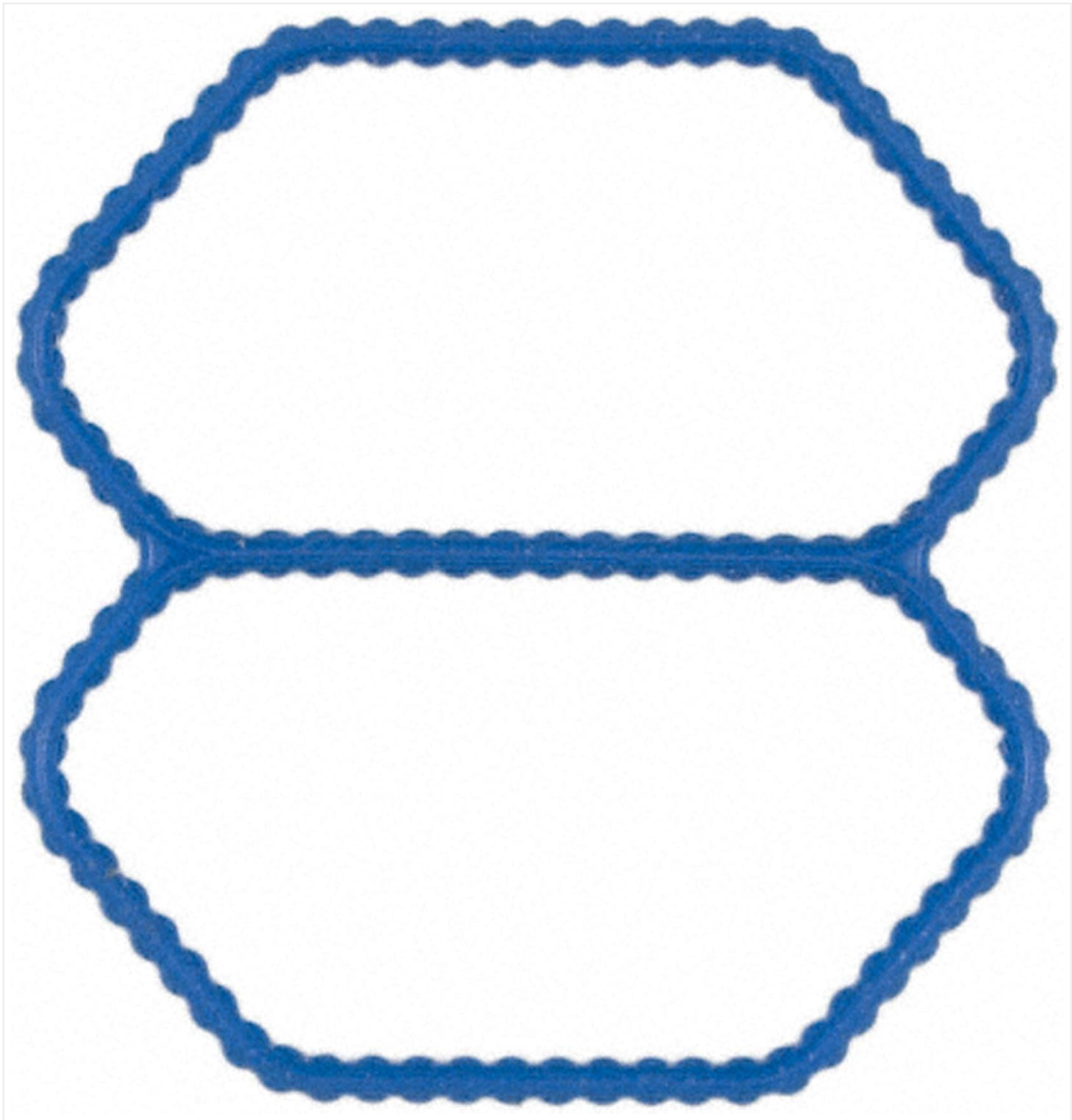


Image 1: The FEL-PRO 72302 Throttle Body Gasket, designed for a precise seal.

SETUP AND INSTALLATION

This section outlines the general procedure for installing the FEL-PRO 72302 Throttle Body Gasket. Always refer to your vehicle's specific service manual for detailed instructions and torque specifications.

Required Tools and Materials:

- Socket wrench set
- Torque wrench
- Gasket scraper or plastic razor blade
- Brake cleaner or appropriate solvent
- Clean rags
- Safety glasses and gloves

Installation Steps:

1. **Preparation:** Ensure the engine is cool. Disconnect the negative terminal of the vehicle's battery.

2. **Access Throttle Body:** Carefully disconnect any air intake hoses, electrical connectors, and vacuum lines attached to the throttle body. Note their positions for reassembly.
3. **Remove Throttle Body:** Unbolt the throttle body from the intake manifold. Keep track of all fasteners.
4. **Remove Old Gasket:** Carefully remove the old gasket. Use a gasket scraper or plastic razor blade to remove any remaining gasket material from both the throttle body and the intake manifold mating surfaces. Avoid scratching or damaging the surfaces.
5. **Clean Mating Surfaces:** Thoroughly clean both mating surfaces with brake cleaner or an appropriate solvent and a clean rag. Ensure they are free of oil, grease, and old gasket residue. A clean surface is critical for a proper seal.
6. **Install New Gasket:** Position the new FEL-PRO 72302 gasket onto the intake manifold studs or align it with the bolt holes on the throttle body. Ensure it is correctly oriented and seated.
7. **Reinstall Throttle Body:** Carefully place the throttle body back onto the intake manifold, aligning it with the gasket and bolt holes. Insert the bolts and hand-tighten them.
8. **Torque Fasteners:** Using a torque wrench, tighten the throttle body bolts to the manufacturer's specified torque settings. Tighten in a crisscross pattern to ensure even pressure and prevent warping. Refer to your vehicle's service manual for exact torque values.
9. **Reconnect Components:** Reconnect all air intake hoses, electrical connectors, and vacuum lines that were previously removed. Double-check all connections for security.
10. **Final Steps:** Reconnect the negative battery terminal. Start the engine and check for any leaks or unusual engine behavior.



Image 2: Proper handling and placement of a gasket during engine assembly.

SPECIFICATIONS

Attribute	Value
Manufacturer	FEL-PRO
Brand	Fel-Pro
Model	Fuel Injection Idle Air Control Valve Gasket
Item Weight	0.32 ounces
Item Model Number	72302
Manufacturer Part Number	72302
OEM Part Number	72302
Position	Center

MAINTENANCE

Once installed, the FEL-PRO 72302 gasket typically requires no specific ongoing maintenance. However, periodic inspection of the throttle body area during routine vehicle service can help identify potential issues early.

- **Visual Inspection:** During routine engine checks, visually inspect the area around the throttle body for any signs of oil leaks, vacuum leaks (hissing sounds), or gasket deterioration.
- **Re-torque (if necessary):** While not usually required for gaskets, if you suspect a leak or have performed other engine work in the area, you may consider re-torquing the throttle body bolts to the manufacturer's specifications. Consult a professional if unsure.
- **Cleanliness:** Keep the engine bay clean to prevent debris from accumulating around critical components, which can sometimes mask or contribute to issues.

TROUBLESHOOTING

If you experience issues after installing the throttle body gasket, consider the following common troubleshooting steps:

- **Vacuum Leaks:** Symptoms include rough idle, engine surging, or a "check engine" light with related diagnostic trouble codes (DTCs). Recheck all connections and ensure the gasket is properly seated and the bolts are torqued correctly. A smoke test can help pinpoint leaks.
- **Improper Sealing:** If the mating surfaces were not thoroughly cleaned, or if the gasket was damaged during installation, it might not seal correctly. This can lead to performance issues. Re-inspection and potential replacement may be necessary.
- **Incorrect Gasket:** Ensure the FEL-PRO 72302 gasket is the correct part for your specific vehicle make, model, and engine. Refer to your vehicle's parts catalog or consult a professional.
- **Electrical or Sensor Issues:** Sometimes, symptoms attributed to a gasket might be caused by a disconnected electrical connector or a faulty sensor. Double-check all electrical connections to the throttle body and related components.

If troubleshooting steps do not resolve the issue, it is recommended to consult a certified automotive technician.

WARRANTY AND SUPPORT

For specific warranty information regarding your FEL-PRO 72302 Throttle Body Gasket, please refer to the packaging or visit the official Fel-Pro website. For technical support or further assistance, contact Fel-Pro customer service directly.

You can find more information and contact details on the [Fel-Pro Store on Amazon](#).