

Fel-Pro 9547

FEL-PRO 9547 Exhaust Pipe Gasket Instruction Manual

Brand: Fel-Pro | Model: 9547

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1. PRODUCT OVERVIEW

The FEL-PRO 9547 Exhaust Pipe Gasket is engineered to provide a reliable seal for exhaust pipe connections in automotive applications. This gasket is designed to meet or exceed original equipment specifications, ensuring a secure and leak-free connection in the exhaust system.

Key features include:

- Meets or exceeds all original equipment specifications.
- Application-specific design, providing unsurpassed quality for a seal you can trust.
- Validated for fit, form, and function.
- Engineered for the sealing repair environment.
- Each Fel-Pro gasket is engineered to exacting standards with proprietary design, engineering, and manufacturing processes.

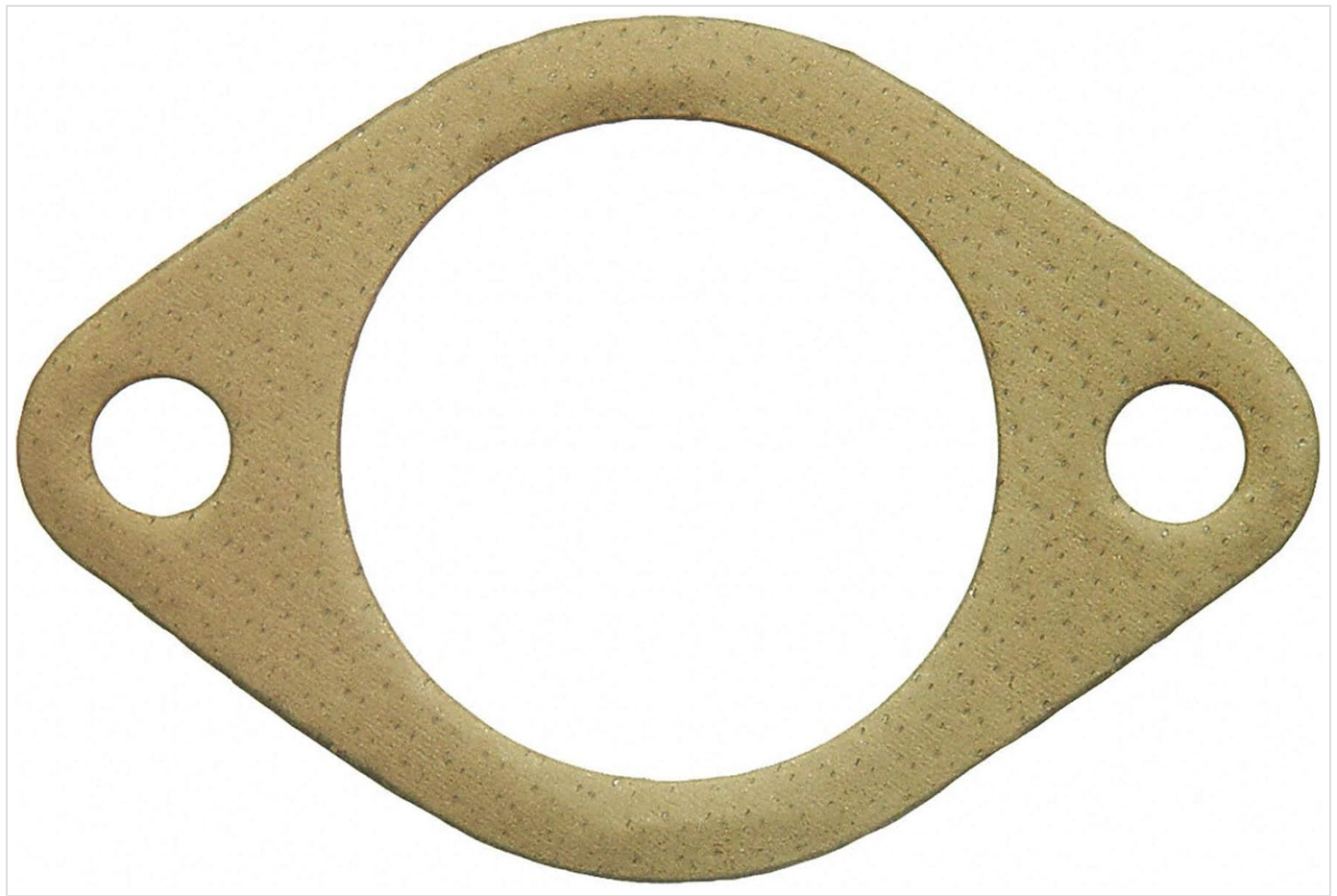


Figure 1: The FEL-PRO 9547 Exhaust Pipe Gasket. This image displays the gasket's distinct flange shape with a large central opening for exhaust flow and two smaller bolt holes on either side for secure mounting.

2. SETUP AND INSTALLATION

Proper installation of the exhaust pipe gasket is crucial for preventing exhaust leaks and ensuring optimal system performance. Always refer to your vehicle's specific service manual for detailed instructions and torque specifications.

2.1. Required Tools and Materials

- Socket/Wrench Set (appropriate sizes for exhaust bolts)
- Torque Wrench
- Wire Brush or Scraper (for surface cleaning)
- Brake Cleaner or Degreaser
- Safety Glasses and Gloves
- Jack Stands or Vehicle Lift (for safe access)

2.2. Installation Steps

1. **Safety First:** Ensure the vehicle is safely lifted and supported on jack stands or a lift. Allow the exhaust system to cool completely before beginning work to prevent burns.
2. **Remove Old Gasket:** Carefully unbolt the exhaust pipe connection where the gasket is to be replaced. Remove any remnants of the old gasket.
3. **Clean Mating Surfaces:** Thoroughly clean both mating surfaces of the exhaust pipes or components. Use a wire brush or scraper to remove any carbon deposits, rust, or old gasket material. Finish cleaning with brake cleaner or degreaser to ensure surfaces are free of oil and debris. A clean surface is essential for a proper seal.

4. **Position New Gasket:** Place the new FEL-PRO 9547 gasket onto one of the exhaust pipe flanges, ensuring it is correctly aligned with the bolt holes and the exhaust opening.
5. **Reassemble Connection:** Bring the two exhaust components together, carefully aligning the gasket between them. Insert the bolts through the holes.
6. **Tighten Bolts:** Hand-tighten all bolts first. Then, using a torque wrench, tighten the bolts in a crisscross or star pattern (if applicable) to the vehicle manufacturer's specified torque settings. This ensures even pressure distribution and prevents warping or leaks. Do not overtighten.
7. **Final Check:** After installation, visually inspect the connection to ensure the gasket is seated correctly and there are no visible gaps.

3. OPERATION AND FUNCTION

Once installed, the FEL-PRO 9547 Exhaust Pipe Gasket functions as a critical sealing component within your vehicle's exhaust system. Its primary role is to create a gas-tight seal between two exhaust components, such as a downpipe and a catalytic converter, or muffler sections.

The gasket's material and design are specifically chosen to withstand the extreme temperatures, vibrations, and corrosive gases present in an exhaust system. By maintaining a tight seal, the gasket prevents exhaust gases from escaping prematurely, which is essential for:

- **Emissions Control:** Ensuring all exhaust gases pass through emission control devices (like catalytic converters) for proper treatment.
- **Noise Reduction:** Preventing loud exhaust leaks that can significantly increase vehicle noise.
- **Engine Performance:** Maintaining proper exhaust back pressure, which can affect engine efficiency and performance.
- **Safety:** Preventing harmful exhaust gases (like carbon monoxide) from entering the vehicle cabin.

The gasket operates passively, providing a continuous seal under varying driving conditions. Its effectiveness relies on correct installation and the integrity of the mating surfaces.

4. MAINTENANCE

Exhaust pipe gaskets are wear-and-tear components designed for long-term sealing but are not typically subject to routine maintenance. Their lifespan depends on driving conditions, exposure to elements, and the overall health of the exhaust system.

4.1. Inspection

It is recommended to periodically inspect the exhaust system, especially during routine vehicle maintenance. Look for the following signs of gasket failure:

- **Audible Leaks:** Hissing, tapping, or roaring sounds coming from the exhaust system, especially when the engine is cold or under acceleration.
- **Exhaust Soot:** Black soot marks around the gasket connection, indicating gas leakage.
- **Reduced Performance:** While less common for minor leaks, significant exhaust leaks can affect engine performance or fuel economy.
- **Check Engine Light:** In some cases, severe exhaust leaks before oxygen sensors can trigger a "Check Engine" light.

4.2. Replacement

If an exhaust leak is detected at the gasket connection, the gasket should be replaced immediately. Attempting to reuse an old or damaged gasket is not recommended as it will likely result in continued leaks. Always use a new, application-specific gasket like the FEL-PRO 9547 for replacement.

5. TROUBLESHOOTING

The most common issue related to an exhaust pipe gasket is a leak. Here are common causes and solutions:

Problem	Possible Cause	Solution
Exhaust Leak (hissing, roaring, soot)	◦ Improper installation (e.g., uneven tightening, dirty surfaces) ◦ Damaged or worn gasket ◦ Corroded or warped mating surfaces ◦ Loose bolts	◦ Re-install the gasket, ensuring surfaces are clean and bolts are torqued correctly. ◦ Replace the gasket with a new FEL-PRO 9547. ◦ Inspect mating surfaces for damage. If warped or corroded, they may need repair or replacement. ◦ Tighten bolts to specification.
Persistent Leak After Replacement	◦ Mating surfaces not perfectly flat or clean ◦ Incorrect gasket type used ◦ Damaged exhaust components (e.g., cracked flange)	◦ Re-clean and inspect surfaces meticulously. ◦ Verify the gasket is the correct part number for your application. ◦ Inspect exhaust components for damage beyond the gasket.

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

6. PRODUCT SPECIFICATIONS

Attribute	Detail
Brand	Fel-Pro
Model Number	9547
Item Weight	0.32 ounces
Shape	Flange
Color	Assorted
UPC	084113840340, 841138403406
Manufacturer	Fel-Pro
First Available Date	August 1, 2006

7. WARRANTY AND SUPPORT

7.1. Warranty Information

Specific warranty details for the FEL-PRO 9547 Exhaust Pipe Gasket are provided by the manufacturer. For comprehensive information regarding warranty coverage, terms, and conditions, please refer to the official Fel-Pro website or contact their customer service directly. Keep your purchase receipt as proof of purchase.

7.2. Customer Support

For technical assistance, installation questions, or any other inquiries regarding your FEL-PRO 9547 Exhaust Pipe Gasket, please contact Fel-Pro customer support. You can typically find contact information, FAQs, and additional resources on the official Fel-Pro website:

[Visit the Official Fel-Pro Store on Amazon](#)

Always ensure you have the product model number (9547) and any relevant purchase details ready when contacting support.

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