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› FEL-PRO MS 96275 Intake Manifold Gasket Set User Manual

Fel-Pro MS 96275

FEL-PRO MS 96275 Intake Manifold Gasket Set User Manual

Model: MS 96275 | Brand: Fel-Pro

1. PRODUCT OVERVIEW

The Fel-Pro MS 96275 Intake Manifold Gasket Set is engineered to provide 100% vehicle sealing, utilizing application-specific materials to deliver reliable performance and durability. This set is designed for the repair environment, specifically to help seal imperfect sealing surfaces, ensuring a superior seal for your vehicle's intake manifold.



Image: The Fel-Pro MS 96275 Intake Manifold Gasket, showcasing its precise cut and design.

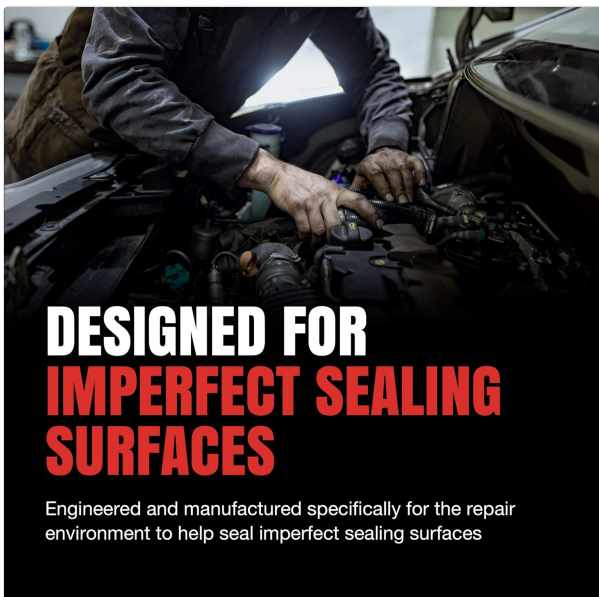


Image: A mechanic working on an engine, highlighting the product's design for imperfect sealing surfaces.



Image: Close-up of Fel-Pro gaskets featuring distinctive blue sealing outlines, demonstrating advanced sealing technologies.

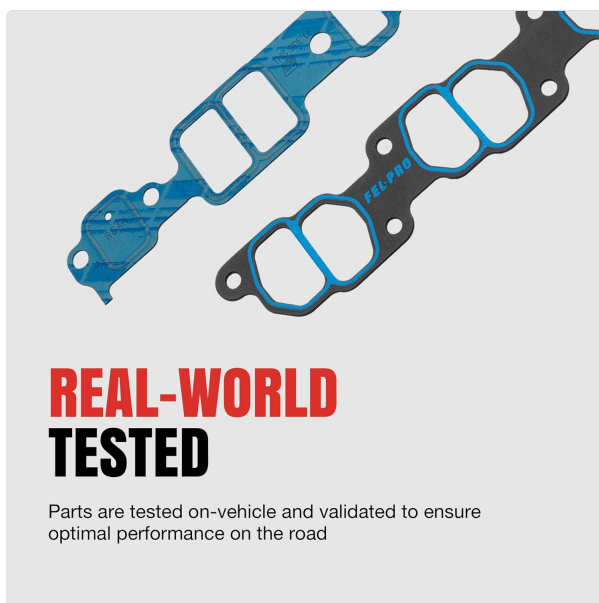


Image: Another view of Fel-Pro gaskets with blue sealing outlines, emphasizing their real-world tested reliability.

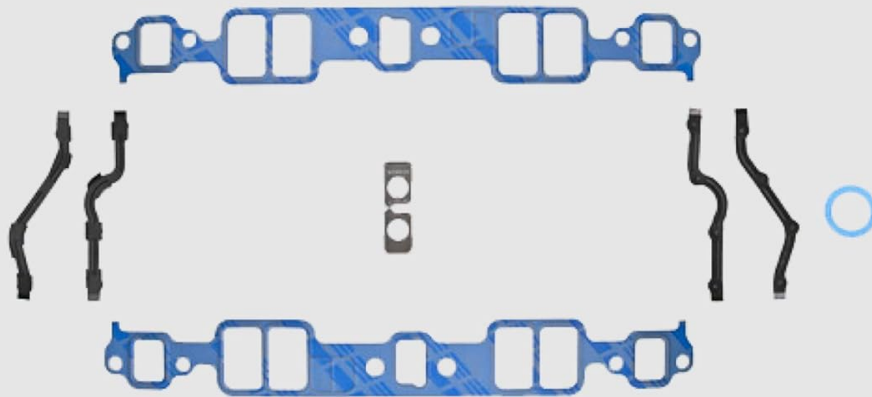
Key Features:

- **DESIGNED FOR IMPERFECT SEALING SURFACES:** Engineered and manufactured specifically for the repair environment to help seal imperfect sealing surfaces.
- **SEALING TECHNOLOGIES:** Exclusive sealing innovations and technologies with proprietary materials and unique design features to ensure a superior seal for your repair.
- **ENGINEERING EXPERTISE:** Parts are designed, reviewed, validated and approved by Fel-Pro engineers through rigorous research and development.
- **REAL-WORLD TESTED:** Parts are tested on-vehicle and validated to ensure optimal performance on the road.
- **EVERY PART FOR THE REPAIR:** Fel-Pro gasket sets include every part needed for the repair unless otherwise noted.

2. PACKAGE CONTENTS

Your Fel-Pro MS 96275 Intake Manifold Gasket Set package typically includes the following components:

- Intake Manifold Gasket Set



EVERY PART FOR THE REPAIR

Fel-Pro® gasket sets include every part needed for the repair unless otherwise noted

Image: A comprehensive view of the Fel-Pro Intake Manifold Gasket Set, showing all included components for a complete repair.

3. INSTALLATION GUIDE

Replacing an intake manifold gasket requires mechanical aptitude and specific tools. If you are not comfortable performing this repair, it is recommended to seek professional assistance. Always consult your vehicle's specific service manual for detailed, model-specific instructions, torque specifications, and safety

precautions.

General Installation Steps:

1. **Safety First:** Disconnect the vehicle's battery. Allow the engine to cool completely. Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
2. **Drain Fluids:** Depending on your vehicle, you may need to drain coolant from the cooling system and/or relieve fuel pressure.
3. **Disconnect Components:** Carefully disconnect all hoses, wires, and linkages attached to the intake manifold. Label them to ensure correct reassembly.
4. **Remove Intake Manifold:** Loosen and remove the intake manifold bolts in the reverse order of the manufacturer's specified torque sequence. Carefully lift and remove the intake manifold.
5. **Clean Sealing Surfaces:** Thoroughly clean all old gasket material, carbon deposits, and debris from the cylinder head and intake manifold sealing surfaces. Use a plastic scraper or gasket remover, being careful not to scratch or damage the surfaces. Ensure surfaces are completely dry and free of oil or grease.
6. **Inspect Surfaces:** Inspect the sealing surfaces for any imperfections, warpage, or damage. Fel-Pro gaskets are designed to compensate for minor imperfections, but severe damage may require machining or replacement of components.
7. **Install New Gasket:** Carefully place the new Fel-Pro intake manifold gasket onto the cylinder head. Ensure it is correctly aligned with all bolt holes and ports. Do not use RTV or sealants unless specifically instructed by the vehicle manufacturer or gasket instructions.
8. **Reinstall Intake Manifold:** Carefully lower the intake manifold onto the new gasket, ensuring proper alignment. Install the intake manifold bolts and hand-tighten them.
9. **Torque Bolts:** Following your vehicle's service manual, tighten the intake manifold bolts to the specified torque in the correct sequence. This is critical for proper sealing and to prevent manifold warpage.
10. **Reconnect Components:** Reconnect all hoses, wires, and linkages that were removed. Double-check all connections.
11. **Refill Fluids:** Refill the cooling system with the appropriate coolant and bleed any air from the system as per your vehicle's manual.
12. **Test Operation:** Reconnect the battery. Start the engine and check for any leaks (coolant, vacuum, fuel) and ensure proper engine operation. Monitor engine temperature and fluid levels.

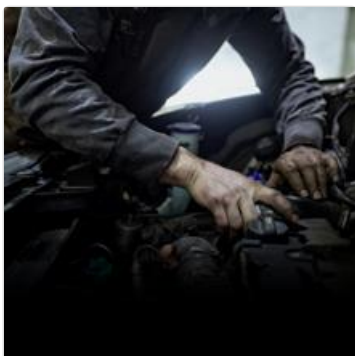


Image: A mechanic performing work on an engine, illustrating the environment where gasket replacement takes place.



Image: A view of an intake manifold component, showing the surfaces where the gasket will be installed.



Image: An engine bay with a gasket visibly installed, demonstrating the final placement of the component.

4. MAINTENANCE AND CARE

Once installed, the Fel-Pro intake manifold gasket is designed for long-term durability. Regular maintenance involves monitoring your vehicle for any signs of leaks or changes in engine performance that could indicate a gasket issue.

- **Regular Inspections:** Periodically check around the intake manifold area for any signs of coolant, oil, or vacuum leaks. Look for stains, drips, or unusual smells.
- **Engine Performance:** Pay attention to symptoms like rough idle, misfires, reduced fuel economy, or overheating, which could be signs of a failing intake manifold gasket.
- **Fluid Levels:** Regularly check your coolant and oil levels. Unexplained drops could indicate an internal or external leak.

5. TROUBLESHOOTING

If you suspect an issue with your intake manifold gasket after installation, consider the following common problems and potential causes:

Common Symptoms of Gasket Failure:

- **Vacuum Leaks:** Can cause rough idle, stalling, lean fuel conditions, and illuminated check engine light (DTCs like P0171, P0174).
- **Coolant Leaks:** External leaks may be visible as drips or stains around the manifold. Internal leaks can lead to coolant consumption, white smoke from the exhaust, or coolant mixing with oil (milky oil).
- **Oil Leaks:** Visible oil drips or consumption.
- **Engine Performance Issues:** Misfires, reduced power, poor acceleration, or engine overheating.

Troubleshooting Steps:

1. **Visual Inspection:** Carefully inspect the entire intake manifold area for any visible signs of leaks, cracks, or loose connections.
2. **Listen for Hissing:** With the engine running, listen for any hissing sounds around the intake manifold, indicating a vacuum leak.
3. **Smoke Test:** A professional smoke test can help pinpoint elusive vacuum leaks.
4. **Pressure Test Cooling System:** If coolant loss is suspected, a cooling system pressure test can help identify external or internal leaks.
5. **Professional Diagnosis:** For persistent or complex issues, it is highly recommended to have a qualified mechanic diagnose the problem using specialized tools and knowledge.



Image: An oil stain on asphalt, visually representing the potential for fluid leaks that a faulty gasket might cause.

6. SPECIFICATIONS

Below are the key specifications for the Fel-Pro MS 96275 Intake Manifold Gasket Set:

Attribute	Value
Manufacturer	Fel-Pro
Brand	Fel-Pro

Attribute	Value
Model	Fel-Pro
Item Weight	2.39 ounces
Product Dimensions	22.7 x 6 x 0.5 inches
Item model number	MS 96275
Is Discontinued By Manufacturer	Yes
Exterior	Machined
Manufacturer Part Number	MS96275
ASIN	B000HUK7B0
Customer Reviews	4.3 out of 5 stars (9 ratings)
Date First Available	August 1, 2006
UPC	614046731844
Unit Count	1.0 Count
Global Trade Identification Number	00614046731844

7. WARRANTY AND SUPPORT

Specific warranty details for the Fel-Pro MS 96275 Intake Manifold Gasket Set are not provided in this manual. For information regarding product warranty, returns, or technical support, please contact Fel-Pro directly through their official website or customer service channels. Always retain your proof of purchase for any warranty claims.

You can visit the official Fel-Pro website for more information:[Fel-Pro Store on Amazon](#)