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› SUSUCAR 3.6 Pentastar Head Gasket Set HS26541PT Instruction Manual

SUSUCAR HS26541PT

SUSUCAR 3.6 Pentastar Head Gasket Set Instruction Manual

Model: HS26541PT

Brand: SUSUCAR

1. PRODUCT OVERVIEW

This manual provides essential information for the installation and maintenance of the SUSUCAR HS26541PT Head Gasket Set. This kit is designed to provide a reliable seal for your engine's cylinder heads, ensuring proper compression and preventing fluid leaks. It includes all necessary gaskets and bolts for a complete cylinder head overhaul.

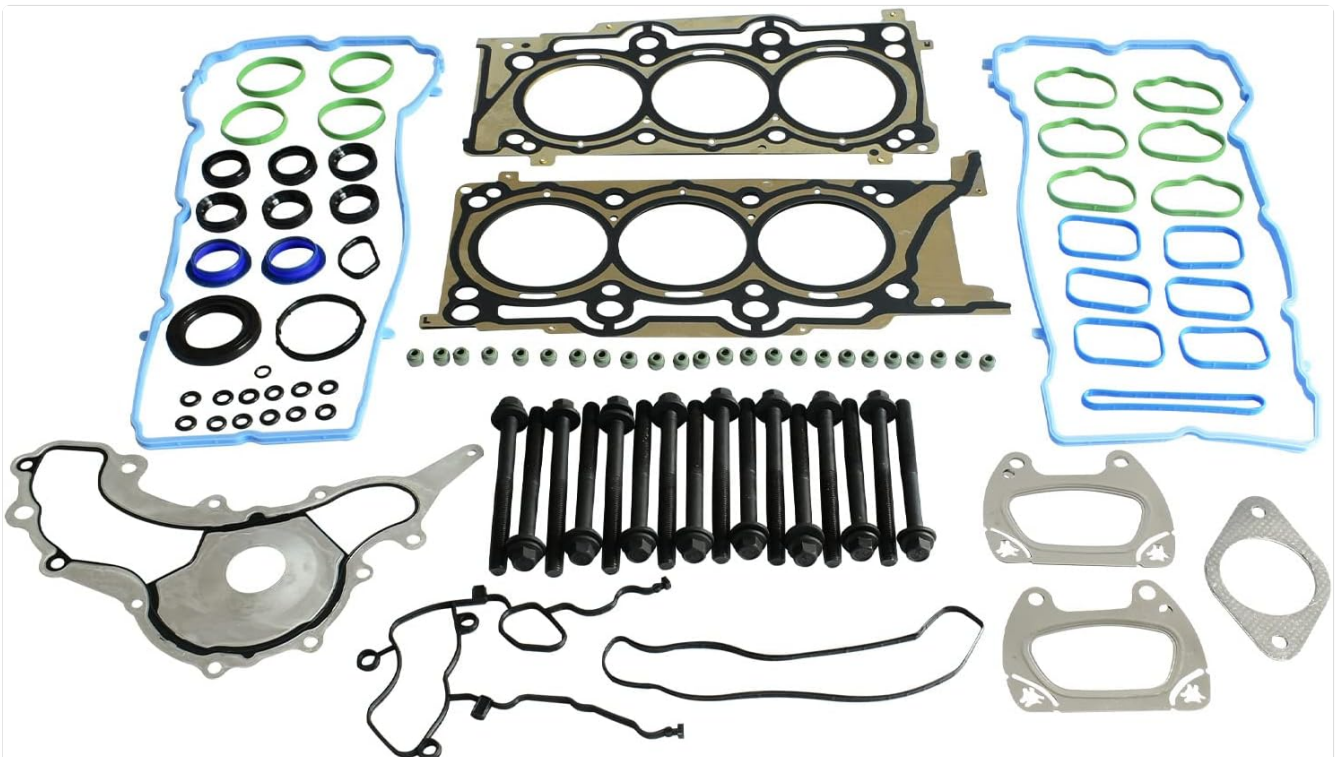


Image: Complete Head Gasket Set components.

2. PRODUCT CONTENTS

The SUSUCAR HS26541PT Head Gasket Set typically includes the following components:

- 2 x Multi-Layer Steel (MLS) Cylinder Head Gaskets
- 2 x Valve Cover Gaskets
- 6 x Spark Plug Tube Seals
- 24 x Valve Stem Seals
- 6 x Intake Manifold Gaskets
- 6 x Intake Plenum Chamber Gaskets
- 2 x Exhaust Manifold Gaskets
- 1 x Exhaust Pipe Flange Gasket
- 1 x Throttle Body Gasket
- 1 x Thermostat Gasket
- 1 x Thermostat Water Outlet Gasket
- 12 x Fuel Injector O-rings
- 1 x Water Pump Gasket
- 1 x Timing Cover Gasket
- 16 x Cylinder Head Bolts
- Other assorted gaskets and seals as pictured.

PRODUCT CONTENTS

- 2 x Multi-Layer Steel (MLS)

Cylinder Head Gaskets

- 2 x Valve Cover Gaskets

- 6 x Spark Plug Tube Seals

- 24 x Valve Stem Seals

- 6 x Intake Manifold Gaskets

- 6 x Intake Plenum Chamber

Gaskets

- 2 x Exhaust Manifold Gaskets

- 1 x Exhaust Pipe Flange Gasket

- 1 x Throttle Body Gasket

- 1 x Thermostat Gasket

- 1 x Thermostat Water

Outlet Gasket

- 12 x Fuel Injector O-rings

- 1 x Water Pump Gasket

- 1 x Timing Cover Gasket

- Other Gaskets/Seals

- 16 x Cylinder Head Bolts

- As Pictures Show

Image: Detailed list and visual representation of product contents.

3. FITMENT AND COMPATIBILITY

This head gasket kit (HS26541PT) is specifically designed for 3.6L V6 Pentastar engines and is compatible with the following vehicle models and years:

- **Chrysler:** 2011-2016 Chrysler 200 3.6L V6, 2011-2016 Chrysler 300 3.6L V6, 2011-2016 Chrysler Town & Country 3.6L V6
- **Dodge:** 2011-2014 Dodge Avenger 3.6L V6, 2011-2016 Dodge Challenger 3.6L V6, 2011-2016 Dodge Charger 3.6L V6, 2011-2015 Dodge Durango 3.6L V6, 2011-2016 Dodge Grand Caravan 3.6L V6, 2011-2016 Dodge Journey 3.6L V6
- **Ram:** 2013-2016 Ram 1500 3.6L V6, 2012-2015 Ram C/V 3.6L V6
- **Jeep:** 2011-2015 Jeep Grand Cherokee 3.6L V6, 2012-2016 Jeep Wrangler 3.6L V6
- **Volkswagen:** 2011-2014 Volkswagen Routan 3.6L V6

Please verify your vehicle's make, model, year, and engine size to ensure proper fitment before installation.

FITMENT

- For 2011-2016 Chrysler 200 3.6L
- For 2011-2016 Chrysler 300 3.6L
- For 2011-2016 Chrysler Town & Country 3.6L

- For 2011-2014 Dodge Avenger 3.6L
- For 2011-2016 Dodge Challenger 3.6L
- For 2011-2016 Dodge Charger 3.6L
- For 2011-2015 Dodge Durango 3.6L
- For 2011-2016 Dodge Grand Caravan 3.6L
- For 2011-2016 Dodge Journey 3.6L

- For 2011-2015 Jeep Grand Cherokee 3.6L
- For 2012-2016 Jeep Wrangler 3.6L

- For 2013-2016 Ram 1500 3.6L
- For 2012-2015 Ram C/V 3.6L

- For 2011-2014 Volkswagen Routan 3.6L

Image: Visual guide to vehicle fitment.

4. SETUP AND INSTALLATION OVERVIEW

Installation of a head gasket set requires advanced mechanical knowledge and specialized tools. It is highly recommended that installation be performed by a certified professional to ensure proper sealing and engine function. Incorrect installation can lead to severe engine damage.

General Steps (Consult Service Manual for Details):

1. **Preparation:** Disconnect battery, drain coolant and oil, remove intake manifold, exhaust manifold, valve covers, and other necessary components to access the cylinder heads.
2. **Cylinder Head Removal:** Carefully remove cylinder head bolts in the specified sequence and lift the cylinder heads.

3. **Surface Preparation:** Thoroughly clean all mating surfaces on the engine block and cylinder heads. Ensure surfaces are free of old gasket material, debris, and corrosion. Check for flatness.
4. **Gasket Placement:** Install new head gaskets, ensuring correct orientation.
5. **Cylinder Head Installation:** Carefully place cylinder heads back onto the engine block.
6. **Bolt Installation:** Install new head bolts. Follow the manufacturer's torque specifications and tightening sequence precisely. Head bolts are typically torque-to-yield and should not be reused.
7. **Reassembly:** Reinstall all removed components, ensuring all connections are secure and torqued to specification.
8. **Fluid Refill:** Refill engine with appropriate coolant and oil.
9. **System Bleeding:** Bleed the cooling system to remove air pockets.
10. **Initial Start-up:** Start the engine and check for leaks and proper operation. Monitor engine temperature and fluid levels.

Important: Always refer to your vehicle's specific factory service manual for detailed, step-by-step instructions, torque specifications, and safety precautions.

Video: Overview of the Head Gasket and Bolts Kit for 2011-2016 Chrysler Dodge Ram, showcasing the components.

5. OPERATING CONSIDERATIONS

After installation, it is crucial to operate the vehicle carefully during the initial break-in period. Monitor engine temperature closely and avoid heavy loads or high RPMs for the first few hundred miles. This allows the new gaskets to properly seat and seal under normal operating conditions. Regularly check coolant and oil levels.

6. MAINTENANCE

Proper engine maintenance is vital for the longevity of your new head gasket set. Adhere to your vehicle manufacturer's recommended service intervals for:

- **Oil Changes:** Use the correct type and viscosity of engine oil.
- **Coolant System:** Maintain proper coolant levels and ensure the cooling system is free of leaks and blockages. Flush and replace coolant as recommended.
- **Temperature Monitoring:** Pay attention to your vehicle's temperature gauge. Overheating can severely damage head gaskets.
- **Regular Inspections:** Periodically inspect for any signs of fluid leaks around the cylinder heads or exhaust manifolds.

7. TROUBLESHOOTING

If you experience any issues after installing the head gasket set, consider the following common problems and potential causes:

Symptom	Possible Cause	Action
Coolant Leak	Improper gasket seating, damaged gasket, incorrect torque on head bolts, warped head/block.	Inspect for visible leaks. Recheck torque specifications. Professional inspection recommended.
Oil Leak	Improper gasket seating, damaged gasket, issues with valve cover gaskets or other seals.	Identify source of leak. Ensure all seals are correctly installed.
Engine Overheating	Air in cooling system, coolant leak, thermostat issue, improper installation.	Bleed cooling system. Check for leaks. Consult a professional.
White Smoke from Exhaust	Coolant burning in combustion chamber (head gasket failure).	Immediate professional diagnosis required.
Rough Idling/Misfires	Compression loss due to improper head gasket seal.	Perform compression test. Professional diagnosis recommended.

For complex issues, always consult a qualified automotive technician.

8. SPECIFICATIONS

- **Part Number:** HS26541PT, ES72467
- **Manufacturer:** SUSUCAR
- **Item Weight:** Approximately 7.26 pounds
- **Product Dimensions:** Approximately 24.4 x 14 x 1.96 inches
- **Country of Origin:** China
- **Material:** Multi-Layer Steel (MLS) for head gaskets, various materials for other seals and gaskets.

9. WARRANTY AND SUPPORT

For specific warranty information regarding your SUSUCAR HS26541PT Head Gasket Set, please refer to the product packaging or contact SUSUCAR customer support directly. Keep your proof of purchase for any warranty claims.

Customer Support: For technical assistance or inquiries, please visit the official SUSUCAR store or contact their customer service channels as provided on their website or product documentation.

Online Resources: You may find additional support and product information by visiting the SUSUCAR Store on Amazon.