

ZF GA6HP19Z

ZF GA6HP19Z Mechatronic Seal Kit Installation Manual for BMW

Model: GA6HP19Z

Brand: ZF

1. INTRODUCTION

This manual provides essential information regarding the ZF GA6HP19Z Mechatronic Seal Kit. This kit is designed for specific BMW models equipped with the GA6HP19Z transmission. Proper installation is crucial for optimal performance and longevity of your vehicle's transmission system.

2. PRODUCT OVERVIEW AND COMPONENTS

The ZF GA6HP19Z Mechatronic Seal Kit includes four seals necessary for the valve body to transmission housing interface. These seals are critical for maintaining proper fluid pressure and preventing leaks within the transmission.

- **Quantity 2:** Part Number 24107536339 - Valve Body to Transmission Housing Seal (31.2 mm)
- **Quantity 1:** Part Number 24107536340 - Valve Body to Transmission Housing Seal (35.5 mm)
- **Quantity 1:** Part Number 24107536341 - Valve Body to Transmission Housing Seal (48.9 mm)



This image displays the four individual seals included in the ZF GA6HP19Z Mechatronic Seal Kit. Two seals are identical in size, while the other two are distinct, each designed for specific locations within the transmission's valve body to housing interface.

3. COMPATIBILITY INFORMATION

This seal kit is compatible with various BMW models equipped with the GA6HP19Z transmission. Please verify your vehicle's transmission type and production date before installation, as mid-year splits in fitment are noted. Refer to your vehicle's service records or VIN decoder for precise transmission identification.

| Model | Years | Notes |
|--------------|-----------|---------------------------------|
| 128i | 2010-2013 | From 09/10. For GA6HP19Z trans. |
| 135i | 2008-2010 | |
| 325i | 2006-2006 | |
| 325xi | 2006-2006 | |
| 328i xDrive | 2010-2013 | From 09/10. For GA6HP19Z trans. |
| 328i | 2010-2012 | From 09/10. For GA6HP19Z trans. |
| 330i | 2006-2006 | |
| 330xi | 2006-2006 | |
| 335i xDrive | 2009-2013 | |
| 335i | 2007-2011 | |
| 335xi | 2007-2008 | |
| 525i | 2004-2007 | |
| 525xi | 2006-2007 | |
| 528i xDrive | 2009-2010 | |
| 528xi | 2008-2008 | |
| 530i | 2004-2007 | |
| 530xi | 2006-2007 | |
| 535i xDrive | 2009-2010 | |
| 535i | 2008-2010 | |
| 535xi | 2008-2008 | |
| 740Li | 2011-2012 | |
| 740i | 2011-2012 | |
| X5 3.0si | 2007-2008 | |
| X5 xDrive30i | 2009-2010 | |
| X6 xDrive35i | 2008-2010 | |
| Z4 3.0i | 2006-2006 | |
| Z4 3.0si | 2006-2008 | |

| Model | Years | Notes |
|--------------|-----------|-------|
| Z4 sDrive30i | 2009-2011 | |

4. INSTALLATION GUIDELINES

Installation of the ZF GA6HP19Z Mechatronic Seal Kit requires specialized knowledge and tools. It is strongly recommended that this procedure be performed by a qualified automotive technician. Refer to the specific BMW service manual for your vehicle model for detailed, step-by-step instructions, torque specifications, and safety precautions.

General Steps (Consult Service Manual for Details):

1. Safely lift and secure the vehicle.
2. Drain the transmission fluid.
3. Remove the transmission oil pan and filter.
4. Carefully detach the mechatronic unit from the transmission housing.
5. Remove the old seals from the mechatronic unit and transmission housing.
6. Clean all mating surfaces thoroughly.
7. Install the new ZF seals, ensuring correct orientation and seating for each size (31.2 mm, 35.5 mm, 48.9 mm).
8. Reinstall the mechatronic unit, ensuring proper alignment and torque specifications.
9. Reinstall the transmission filter and oil pan with a new gasket.
10. Refill the transmission with the correct type and amount of fluid.
11. Perform necessary adaptation procedures as per the vehicle service manual.

5. MAINTENANCE

These seals are designed for long-term durability. Regular transmission fluid changes, as recommended by BMW, are essential for the overall health and longevity of your transmission and its internal components, including these seals. Inspect for leaks during routine vehicle maintenance.

6. TROUBLESHOOTING

If transmission shifting issues or fluid leaks persist after seal replacement, it is crucial to consult a certified automotive technician. These symptoms can indicate other underlying transmission problems that require professional diagnosis and repair.

7. SPECIFICATIONS

- **Manufacturer:** ZF
- **Part Numbers Included:** 24107536339 (x2), 24107536340 (x1), 24107536341 (x1)
- **OEM Part Number (Kit):** 24 34 7 588 724 KIT, 24 347 588 724, 24347588724, 7588724
- **Manufacturer Part Number (Kit):** 92524904224
- **ASIN:** B00U13IPHQ
- **Date First Available:** February 26, 2015

8. WARRANTY INFORMATION

For details regarding the warranty of this ZF product, please refer to the official ZF warranty documentation provided with your purchase or visit the ZF official website. Warranty terms and conditions may vary by region and purchase date.

9. CUSTOMER SUPPORT

For technical assistance or inquiries regarding the ZF GA6HP19Z Mechatronic Seal Kit, please contact ZF customer support directly through their official website or authorized distributors. Provide your product details and purchase information for efficient service.