

iSWEEP Pillowball Bushing Installation Instructions

Product Name: iSWEEP Pillowball Bushing Conversion Kit

Application: VW GOLF7/7.5, AUDI S3/RS3 (8V) Front Control Arm

1 Preface

Thank you for purchasing iSWEEP products. This product is a pillowball bushing designed for the front control arms. Please read this manual carefully to ensure correct and safe use before beginning installation.

✘**Important Notice:** If any discrepancies, missing items, or other defects are found, please check the vehicle model and product name and contact us at the details provided at the end of this manual before use.

✘This product is designed specifically for use on VW GOLF7/7.5 and AUDI S3/RS3 (8V). Any issues arising from the use of this product on other vehicles will not be covered, so please ensure compatibility beforehand.

✘Specifications may be subject to change without prior notice due to improvements.




Notice

- Please read this user manual thoroughly to ensure proper use.
- After completing the installation, return this user manual to the customer.
- Transfer the manual to the new owner upon vehicle ownership change.

2 Signal Words and Their Meaning

This manual contains instructions that are important for preventing harm to you or others, as well as damage to property, to ensure safe usage of the iSWEEP product. The following signal words and their meanings are provided for your understanding. Please read the entire manual after understanding these terms.

Signal Words and Their Meaning:

Signal Word	Definition
 Danger	Ignoring this warning and incorrect handling can lead to immediate, serious, or fatal injury.
 Warning	Ignoring this warning and incorrect handling may lead to potential serious or fatal injury.
 Caution	Ignoring this warning and incorrect handling may lead to minor or moderate injury or only property damage.
Notice	Ignoring this warning and incorrect handling may prevent the product from performing as intended or cause malfunctions and failures.

3 Important Safety Information

Warning

- The installation and removal procedures for the front subframe and front control arm must follow the automotive manufacturer's service instructions (service or repair manual).
- Always use proper tools and adhere to specified tightening torques when performing the installation.
- In case of discrepancies between the service manual and the tightening torques or assembly instructions, prioritize the instructions in this manual.
- Installation by non-experts can lead to injuries or vehicle malfunctions. Disassembly and maintenance should be done at a well-equipped automobile service center (certified or authorized workshop).

Caution

- This product is specifically designed and developed for the vehicles listed in the manual.
- Do not install on other vehicles as it may cause vehicle failure.
- After installation, check for tightness, operation, and clearance to ensure proper functionality. A post-installation inspection after driving is recommended.

4 Replacement Procedure



■ IS.BU-E0008: Front Pillowball Bushing

■ IS.BU-E0009: Rear Pillowball Bushing

△Caution 【Preparation and Precautions】

1. Remove the front subframe and then the front control arm from the vehicle.
2. The bushing replacement requires specialized tools such as a hydraulic press, jigs, and press attachments.
3. The instructions provided in this manual explain the general procedures for bushing replacement. Depending on the equipment and tools used, there may be variations in the procedures. Use the instructions as a reference to avoid damaging the pillow ball bushings.



1. Prepare a base to remove the OEM rubber bushing from the front control arm. The base must match the control arm's shape and the bushing's diameter. You may use steel pipes or specialized tools.



2. Set the base in the hydraulic press.



3. Position the front control arm in the press, and using an appropriate steel rod, press the steel collar in the center of the OEM bushing.



4. Press the rubber bushing's outer lip into the lower base until it comes out of the control arm.



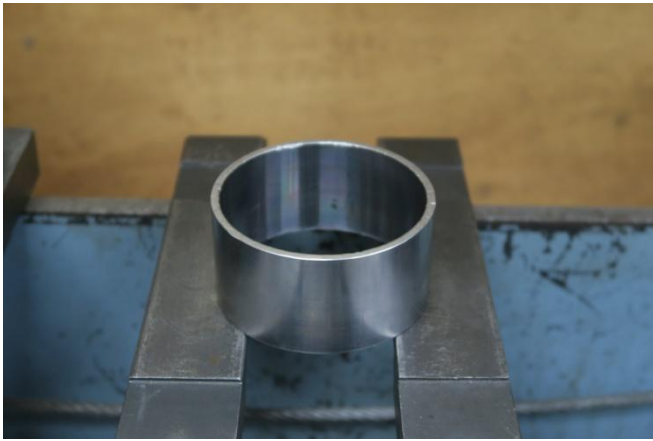
5. **[Caution]** The center portion of the iSWEEP pillowball bushing is a ball joint structure. Do not apply pressure to the center as it can damage the ball joint.



6. Use a collar that fits the outer circumference of the pillow ball bushing to avoid applying pressure to the center.



7. Gradually apply pressure to the outer circumference of the pillowball bushing using the hydraulic press until the lip makes contact with the front control arm.



8. To remove the rear OEM bushing, prepare a base that can hold the control arm horizontally. A dedicated tool or a steel pipe can be used.



9. Set the front control arm on the base and use a press attachment that matches the

outer diameter of the OEM bushing. Apply downward pressure using a hydraulic press to remove the bushing



10. If the diameter of the press attachment is too large, it may become stuck into the control arm. Therefore, pay close attention to the outer diameter and remove the OEM bushing in a downward direction. Be mindful that if the bushing contacts the lower press plate first, it will prevent removal. Ensure there is adequate clearance between the base and the press plate to avoid interference.



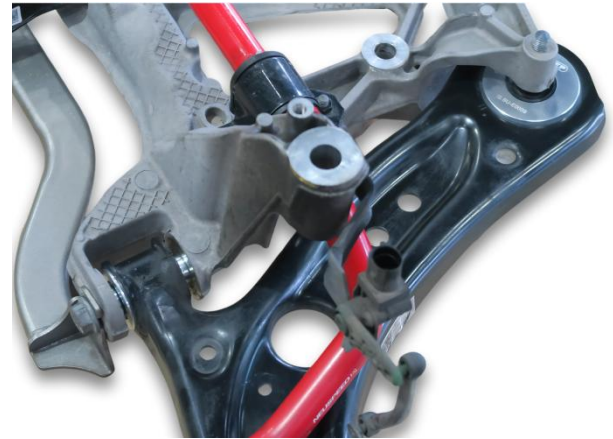
11. [Caution] The center part of the iSWEEP pillow ball bushing has a ball joint structure. Never apply pressure directly to the center portion during installation, as it may damage the pillow ball joint.



12. To ensure that pressure is not applied to the center portion (ball joint) of the iSWEEP pillow ball bushing, use a collar that fits the outer circumference of the bushing.



13. Use a hydraulic press to apply even pressure to the outer circumference of the iSWEEP pillowball bushing. Slowly press the bushing until the ribs of the pillow ball bushing make contact with the front control arm.



14. The front control arm with the installed iSWEEP pillow ball bushing mounted onto the subframe (for reference).



15. When removing or installing the subframe onto the vehicle, always follow the maintenance instructions provided by the vehicle manufacturer, including the service manual (repair instructions or repair guide).

■ iSWEEP Pillowball Bushing Installation

Completed:



iSWEEP Rear Pillowball Bushings correctly pressed and seated on the lower control arm.

iSWEEP Front Pillowball Bushings correctly pressed and seated on the lower control arm.

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