

Fitting Instructions #5178IS

Mercedes-Benz S-Class W126

Subframe to Chassis Bush

Note: This is a suggested method of replacing the Subframe to Chassis bushings. (Figure 1.) This kit will replace left and right bushes.

Contents:

- 2 x SPF5178 (Large Shackle Bush Assembly)
- 2 x SPF5178W (Knurled Washer)

Preparation:

- Raise the vehicle utilising an approved method and remove the rear wheels.
- Remove any rear protective guards from under the vehicle for clear access to the Subframe mount.
- Locate the Subframe to Chassis Mounting Bracket (See Figure 1.) and remove.
- Separate the Subframe from Chassis by raising the Chassis and hold using stands or appropriate method. (See Figure 2.)
- Ensure Chassis and Subframe are suitably supported with jack stands or similar before proceeding.

Bushing Disassembly:

- (Recommended) Compress bushing assembly with Threaded-Rod assembly to make bushing compact and further ensure ease of removal.
- Simply pry bushing from mount using pry-bar or similar. (See Figure 3.)
- **Do not** dispose of top snubber bushing, as this will be re-used and is not supplied in this kit.

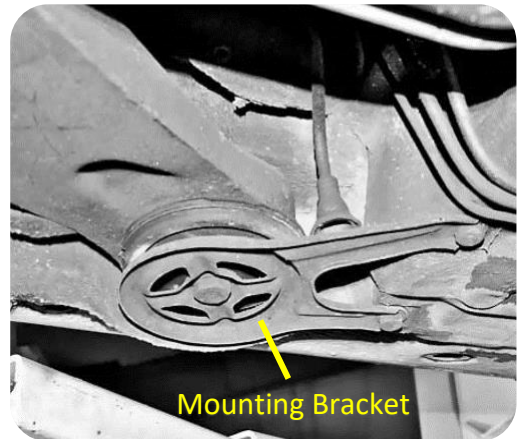


Figure 01 – Subframe to Chassis Mount

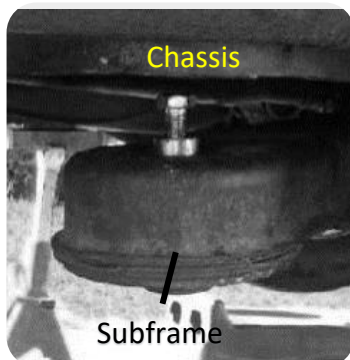


Figure 02 – Subframe to Chassis Mount Separated

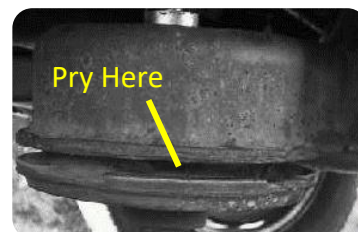


Figure 03 – Prying Bush from Subframe.

Bushing Installation:

- Press knurled washer (SPF5178W) onto crush tube (SPF5178T) with the knurled surface opposite to crush tube. (See Figure 4.)
 - You can use an arbour press or vice to do this.
- Apply the supplied grease to the surfaces of the bush that makes contact with the chassis mount.
- Press bushing (SPF5178) into Subframe to Chassis mount with Threaded-Rod assembly or similar.



Figure 04 – Example of Knurled Washer Orientation.

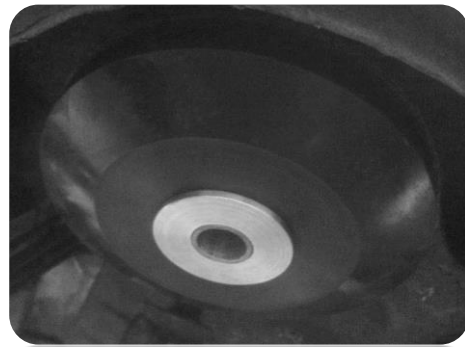


Figure 05 – Installed Bushing with Pressed Washer

Reassembly:

- Replace aforementioned OE top snubber bushing above Subframe to Chassis mount.
- Lower Chassis and raise Subframe back into position.
- Reinstall Subframe to Chassis Mounting Bracket and tighten.
- Reinstall the wheels and lower vehicle to ride height.
- Re-torque all fasteners relative to this installation to manufacturer's specifications where relevant.
 - Mounting Bracket Large Centre Fastener: 120 Nm or 88.5 ft lbs
 - Mounting Bracket Small End Fasteners: 45 Nm or 33.2 ft lbs
- Wheel align your vehicle post installation and ensure that all fasteners are re-torqued after 1000km.