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| Part number | SBLF116 | Model | 5-SERIES GT/ESTATE (F07/F11 LCI) 10-17 |
| Description | Air Spring | | |
| Make | BMW | | |

General information

The Removal and installation of air suspension components may require specialist tooling and knowledge. To do so independent of this advice is at your own risk. Removal and installation only to be performed by fully qualified professionals. Failure to rectify any leaks will seriously reduce the lifespan of the product and may cause the warranty to be void.



During the fitting of new suspension components safety is paramount. When working on a vehicle of any type, all precautions must be taken to ensure the vehicle is correctly immobilized and properly lifted and supported during any work.

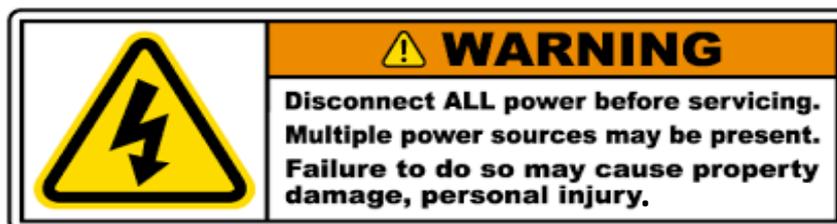


The air suspension system on your vehicle is pressurized. Air suspension components may retain some residual air pressure. To relieve pressure slowly remove the air valve/fittings, only fully remove fitting once pressure is released.

AT ALL TIMES HAND, EAR AND EYE PROTECTION MUST BE WORN



WARNING: DO NOT REMOVE ANY FITTINGS WHILST AIR SUSPENSION SYSTEM IS ACTIVE OR IGNITION IS SWITCHED ON. Whilst working on any vehicle electrical system, precautions need to be taken to isolate batteries and any component capable of generating or discharging an electrical charge as to prevent personal injury or damage to property.



Product information

This air spring is designed to directly replace your old, worn spring. The Anschler air spring includes the dust cover and a new air fitting. The black rubber isolator found on some models can be discarded when refitting our unit as it is not required.



Parts list

- Air spring
- Air fitting (pre-assembled)
- Dust cover (pre-assembled)



Removal process

1. Set the vehicle steering to straight ahead.
2. Raise the vehicle, making sure the correct lifting points are used.
3. Remove the rear wheel(s).

4. Remove the lower compressor cover to expose the compressor and valve block housing (fig.1 - highlighted)
This can be found just under the rear bumper.



fig.1

6. With the air spring fully deflated, compress the tabs inwards (green arrows) on the bottom of the air spring (fig.3). Once compressed pull up the lower section of the air spring to release it from its mounting.

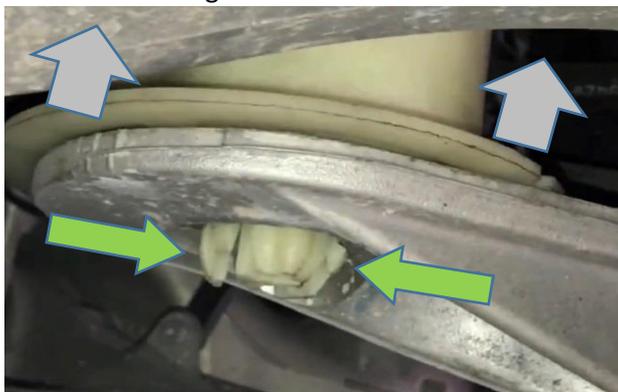


fig.3

8. With the air spring removed from its mountings, undo the air fitting. (fig.5)

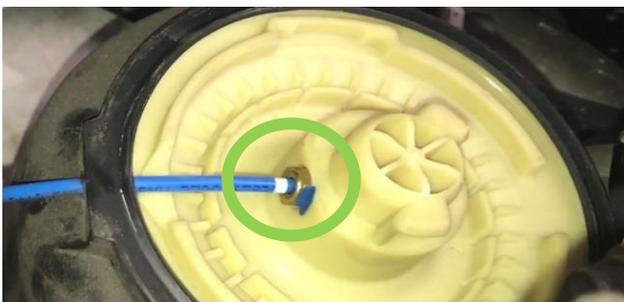


fig.5

5. Locate the valve block next to the compressor. (fig.2) It has 2 air lines, one red colour (normally supplies the left side) and one blue colour (normally supplies the right side). Once located, slowly remove the air fitting to release the air spring pressure, only removing the air line once fully vented.

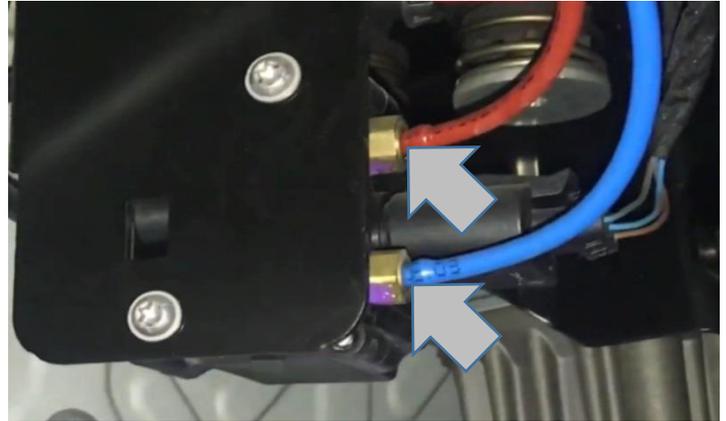


fig.2

7. With the lower section unmounted and facing the air spring as imaged, rotate the upper section clockwise and pull down. This will release the top section from its mounting. (fig.4)



fig.4

9. Remove the old collet and air fitting from the end of the air line, discard both the collet and air fitting. (fig.6)

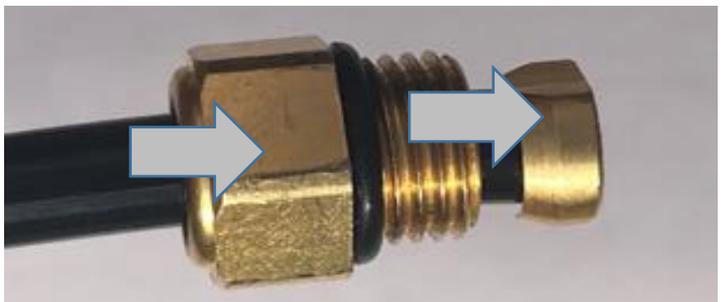


fig.6

REMOVAL PROCESS COMPLETE

Installation process

1. The installation process is to be performed in reverse to the removal process steps 9 to 1.
2. The new air fitting is premounted on the new air spring, unscrew it and fit it to the air line. When refitting the air fitting, ensure that there is 2-3mm of air line coming out from the bottom of the collet. This ensures the collet bites into the air line and reduces the risk of the air line being blown out from the air spring when under pressure/operation. (fig.7)



This fitting method could cause the air line to dislodge from the collet causing an air leak or detachment from the air spring.



This fitting method ensures a strong connection and prevents the air line from coming loose and causing an air leak.

fig.7

3. Once the air spring is completely refitted lower the vehicle to the normal ride height.
KEEP THE VEHICLE SUPPORTED, DO NOT FULLY LOWER THE VEHICLE LIFT.
4. Start the engine and allow to idle for 2 minutes and allow the air pressure to build up.
5. Then select the raising function of the vehicles air suspension. Only fully lower the vehicle to the ground when it raises under its own power. Tighten all nuts and bolts to the manufacturers specifications and check all air lines and components for leaks and adjust if necessary.
6. Clear all previous diagnostic trouble codes using approved vehicle manufacturer diagnostic software.
7. Road test the vehicle and recheck for air leaks and trouble codes after. Air suspension may require recalibration and/or ride height adjustment. It is advised that a wheel alignment is carried out.

INSTALLATION PROCESS COMPLETE