

# General instructions for the installation of Dunlop air suspension



Images may differ.

## ATTENTION PLEASE

Thank you for choosing a product from the extensive range of Dunlop Suspension Systems. Your product has been supplied with the understanding that it is fitted by suitably qualified vehicle technicians. In this information sheet you will find general instructions for installing the air suspension.

In addition, please note the removal and installation instructions of the respective manufacturer.

### Removal of the old air spring



Before placing the vehicle on the lift, make sure that the air pressure has been completely released according to the manufacturer's specifications and that the vehicle's ignition is switched off and the battery is disconnected. It is strongly recommended that the air suspension is fitted by qualified automotive technicians at an automotive workshop. For safety, the use of protective eyewear and gloves throughout the procedure is advised. If required to work beneath the vehicle, support it on axle stands.



### IMPORTANT NOTES

1. The system must be pre-filled before the vehicle is lowered and leaves the platform, otherwise the spring will burst.
2. In any case, it is recommended to replace air springs and struts per axle.
3. If a new air suspension is fitted, make sure that the car is always lifted out of the suspension when starting. The car should therefore not stand on the so-called bump stops.

For struts with an exposed rubber part take care to avoid damage to the rubber during fitting. On completion of fitting and before the vehicle is driven, ensure that all fastenings are securely tightened.

It is recommended that air spring modules are fitted to a new shock absorber. If fitting to a used item, however, thoroughly clean the shock absorber beforehand. Surface debris may cause inadequate sealing and lead to air leakage.

### NEW AIR FITTING

Screw the new air fitting into replacement air spring / strut **BEFORE** removing the white plastic cap that retains the collet.

#### Torque Settings:

- Plastic Part: 1,5 – 2.0 Nm
- Metal Part: 3.0 – 3.5 Nm



The air spring is supplied with the diaphragm rolled over the piston. When installing, please either lower the vehicle chassis or raise the axle. **DO NOT** roll the diaphragm off the piston during installation.

A correctly fitted air spring will inflate with walls straight and true, showing no folds or creases. An air spring with the diaphragm either unrolled from the piston or folded is very likely to inflate incorrectly, resulting in damage to the spring wall. Do not check the air spring length by pulling it apart! This will damage the spring and it will no longer function properly.