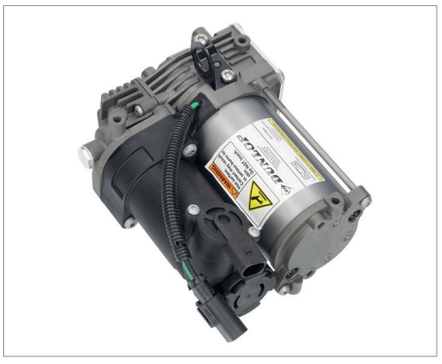
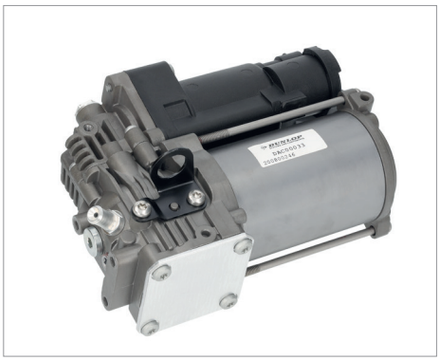
General instructions for the installation of Dunlop compressor





Images may differ.

ATTENTION PLEASE

Thank you for choosing a product from the extensive range of Dunlop systems and components. 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 compressor.

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

Removal of the old compressor

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 compressor 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.

NOTE: Photographing or labelling pipes before removal will help on refit.

Step 1

Begin by ensuring that the vehicle ignition is switched OFF and the battery is disconnected. Leave the vehicle for at least 30 minutes. The delay serves to ensure that the existing compressor is cool to the touch.

Step 2

With the help of the vehicle workshop manual, locate the air suspension system compressor. Remove covers (if fitted) in order to expose the compressor itself, and all of its electrical and pneumatic fittings and mounting fasteners.

Step 3

Pull-out all compressor electrical connectors.

Step 4

Pull-out all pneumatic pipework from the connector. In most instances the fitting will have a metal 'collet', which is pushed inwards with a thumbnail whilst the pipe is pulled outwards to release.

Step 5

Remove All compressor mounting bolts and nuts, and carefully remove the compressor. Note that if new mounting fastenings are to be used when fitting the new compressor, then be sure to use like-for-like parts.

General instructions for the installation of Dunlop compressor

Important notes when replacing Dunlop air compressors

When replacing a defective air compressor, make sure to also replace the relay. This ensures that the compressor switches on and off. If the relay is stuck, the compressor will constantly pump air, resulting in a blown compressor.

At the same time, check the air filter and replace it if necessary. It is possible that the air filter is dirty if the old compressor fails due to dirt or water inside. If only the compressor is replaced, it will suck in the dirt/water again.

Once you have replaced the compressor, always check the condition of the inlet and suction hoses. The suction hose can become porous or dry out. This will cause leaks or the suction hose may even break off from the compressor. This can allow water or debris to enter the compressor and cause it to fail. If the condition of the inlet and suction hoses is not checked, the new compressor will also be irreparably damaged.

Additional notice:
During operation, the air compressor may vibrate, causing wear to the wiring. Therefore, check the compressor wiring harness for broken or cracked wires.

Please pay attention to all these notes because Dunlop does not provide warranty on blown compressors.

Fit the new compressor

Fit the new compressor by following the steps overleaf in reverse and also observing the following:

- If your compressor has been supplied with new rubber isolation mounts, replace the existing parts with the new ones when mounting the new compressor.
- Using a torque spanner or torque wrench, tighten all mounting fastenings to the recommended torque.
- 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

- To fit pipes, push-in squarely as far as the pipe will travel and then pull-back lightly in order to confirm secure connection.
- If a relay has been provided with your compressor, consult the vehicle workshop manual in order to locate the existing compressor relay and replace with the supplied part. **The warranty claim expires if the new relay is not replaced at the same time. You will also find relays in the AIC range.**

NB – IMPORTANT

Turn on the ignition. The Air Suspension Warning lamp on the vehicle dashboard may be illuminated. This will have been caused by the original faulty compressor. Any fault codes present must be cleared before the air suspension system will function correctly. Clear these codes according to the manufacturer's instructions. Note This may require a visit to a vehicle dealership and the use of bespoke diagnostic equipment.

Important note when chargeing for the first time after fit the new compressor.
For initial recharge only if the system is depressurised completely. You achieve this when the vehicle is in a lifted state.

Enter the vehicle and close all doors, then start the engine. On starting the engine, it may take several minutes to fully recharge the system with air.

CAUTION: DO NOT ALLOW THE COMPRESSOR TO RUN CONTINUOUSLY FOR MORE THAN 5 MINUTES AT A TIME.

Allow the compressor to cool for at least 10 minutes before restarting the engine to reinitialise charging. Continue this cycle until the system is fully charged. Remove the vehicle from the stage pre-filled.