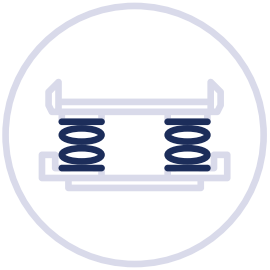

14 Additional Air Suspension

CZ +420 548 424 011 | info@trans-technik.cz | www.trans-technik.cz
SK +421 417 073 011 | trans-technik@trans-technik.sk | www.trans-technik.sk
RO +40 265 266 538 | contact@trans-technik.ro | www.trans-technik.ro
PL +48 438 434 050 | biuro@trans-technik.pl | www.trans-technik.pl

Our additional air suspension is easy to install as all kits come with step-by-step instructions. They are characterized by high durability and require less maintenance.

In addition, complete kits of spare parts are available to facilitate repair without the need for special training.

The kits offer perfect integration with the vehicle. Each kit is specifically designed for each different vehicle and offers a wide range of control and adjustable suspension stiffness.

The main advantages of our air suspension range

1 Fewer vehicle modifications and perfect adaptability

The system is designed to minimize the changes that need to be made to the vehicle (99% of our kits require no drilling or welding) and is designed for each different vehicle to make installation easier and best adapt to each vehicle.

2 Maximum stability for every vehicle

The system improves the stability of vehicles to their maximum capacity by drastically reducing leaning, increasing road grip and thus improving safety.

3 A solution for every need

The range extends from light commercial vehicles of automotive origin (Fiat Doblò, Renault Kangoo, etc.) to heavy vehicles for the transport of extraordinary loads of 60 tonnes, which are only on demand.

4 High quality design

The design has been carried out since 1994 using two-dimensional CAD systems and since 2001 using three-dimensional systems.

5 Constant innovation

Our sales staff are always available to study and evaluate new products, including customized ones, in order to offer specific solutions to the customer.

6 Clever solutions

The products are offered as ready-to-assemble kits or prototypes for small and medium vehicles.

14. page 3

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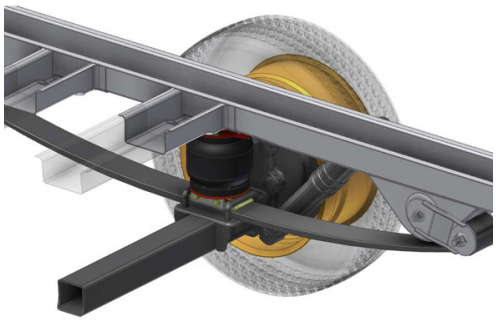


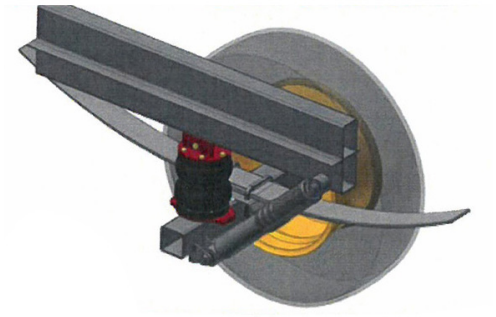
Air suspension kit, light version

- FIAT, PEUGEOT, CITROEN

1407551.280

Didn't find what you were looking for?

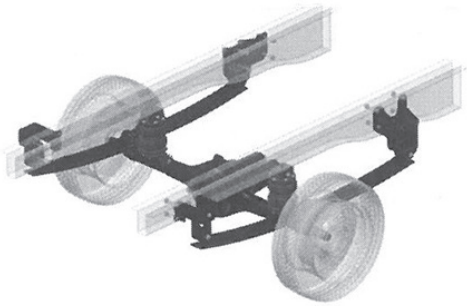
Please contact our sales department and we will try to do something about it.
You can find our current product range on the website **www.trans-technik.cz**



Air suspension kit

- FORD TRANSIT 2014
- single assembly
- without spacer

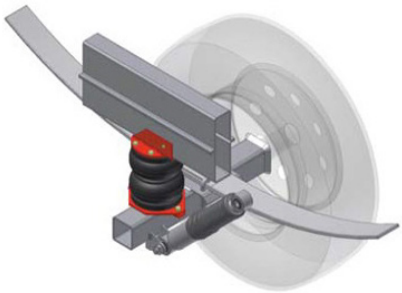
1408003.020



Air suspension kit

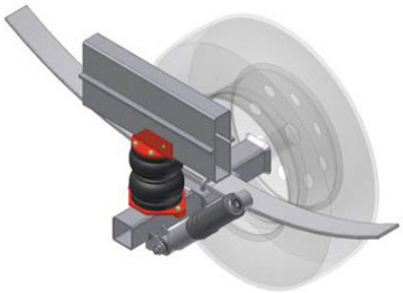
- FORD TRANSIT 2014
- single assembly
- rear-wheel drive

1408003.030



Air suspension kit, light version

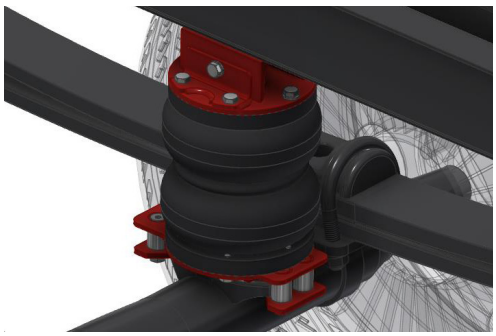
1408551.210



Air suspension kit, light version

- FORD TRANSIT 2010

1408553.010



Air suspension kit

- FORD TRANSIT 2017
- single assembly

1408901.010

14. page 5

Air suspension kit

- IVECO DAILY MY 2014
- single assembly

1414143.010

Air suspension kit

- IVECO DAILY MY 2012
- standard version
- double assembly

1414142.010

Didn't find what you were looking for?

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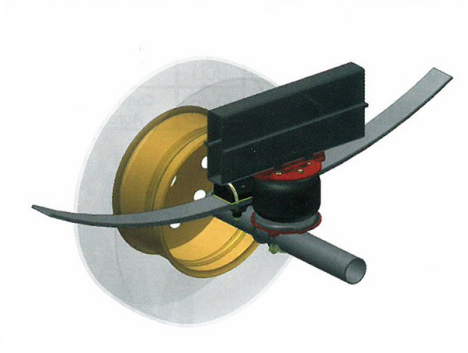
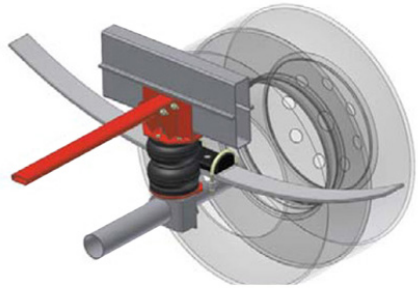
Mercedes-Benz



Air suspension kit

- SPRINTER, CRAFTER
- standard version
- wheelbase up to 3665 mm

1423066.010



Air suspension kit

- SPRINTER, CRAFTER
- standard version
- double assembly
- wheelbase up to 3665 mm

1423067.010

Air suspension kit

- SPRINTER, CRAFTER
- standard version
- wheelbase up to 3665 mm
- front-wheel drive

1423070.010

14. page 7

Didn't find what you were looking for?

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Air suspension kit

- VW CRAFTER, MAN TGE

1437101.010

Didn't find what you were looking for?

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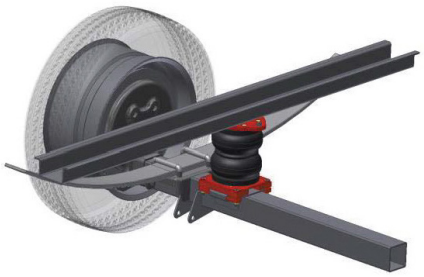
You can find our current product range on the website **www.trans-technik.cz**



Air suspension kit

- MOVANO, MASTER, NV400
- standard version
- single assembly

1430132.010

14. page 9

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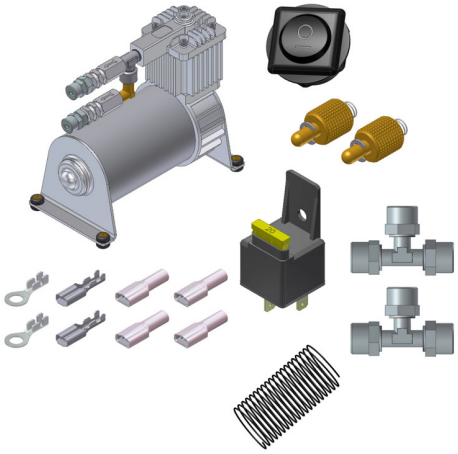

Compressor set - standard

Take extra care when fitting the supply hoses and tightening the coupling nut. The nut must not be pulled! There is a risk of valve damage and air leakage. Any claims related to over-pulling will not be accepted.

1400001.000

14. page 10

Didn't find what you were looking for?

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Bellows

1400041.000

Bellows

1400047.000

14, page 11

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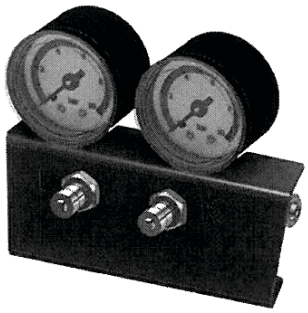
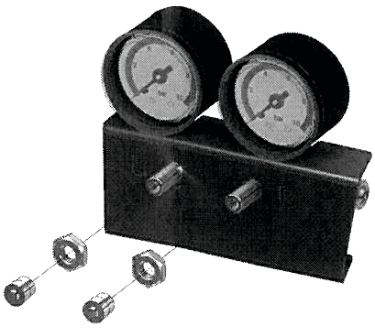
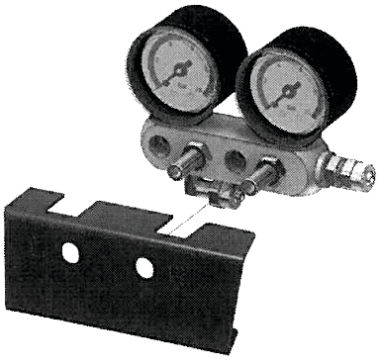
Instructions for fitting the air suspension
FIAT DUCATO X 250 - X 251



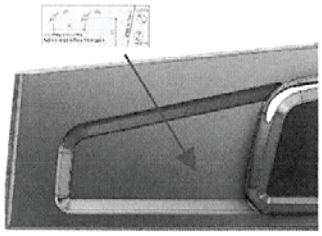
Pre-assembled control set TOP DRIVE CONTROL.



Unscrew and remove the covers and nuts from the inflation valves.

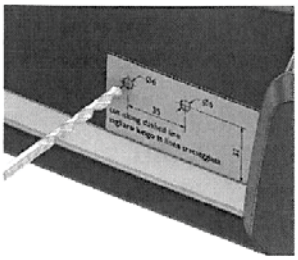


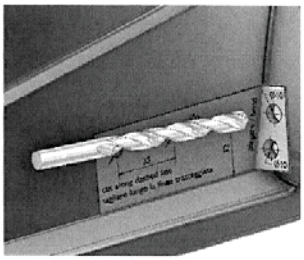
Remove the protective sleeve.



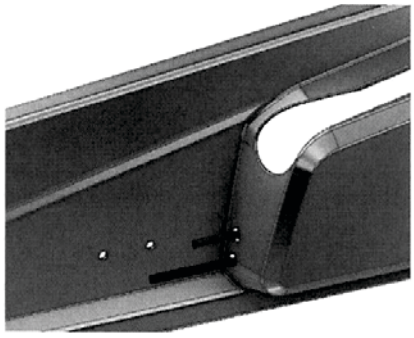
Place the adhesive drill template on the driver's seat side panel as shown in the illustration. Place the lower edge of the drill template against the lower edge of the side panel and bend the marked part onto the handbrake protrusion.

Drill holes for attaching the control unit with a Ø 6 mm drill bit.



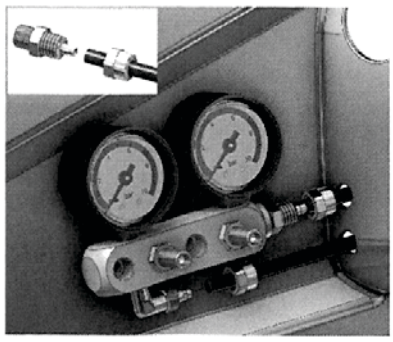


Drill holes for the air conduit passage with a Ø 10 mm drill bit as shown in the picture.

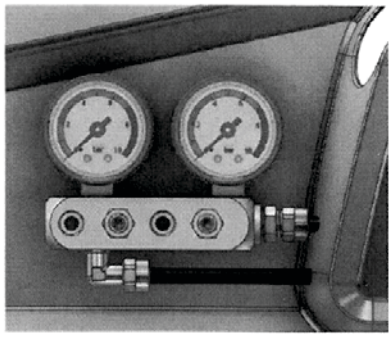


Remove the adhesive drilling template, and run the air conduit through the prepared holes as shown in the illustration:

- red air hose on top (suspension on the right-hand side)
- black air hose at the bottom (suspension on the left-hand side)

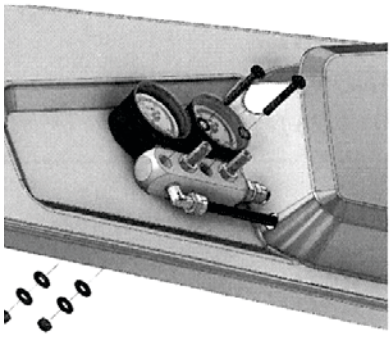


Connect the air conduits leading to the suspension units to the pneumatic connections on the inflation control unit as shown in the illustration.

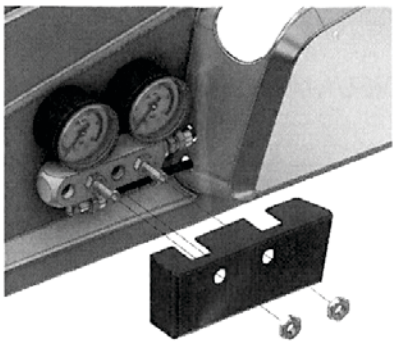


Place the inflation control unit in position according to the Ø 6 mm holes that were previously prepared in the side panel of the driver's seat using the drilling template.

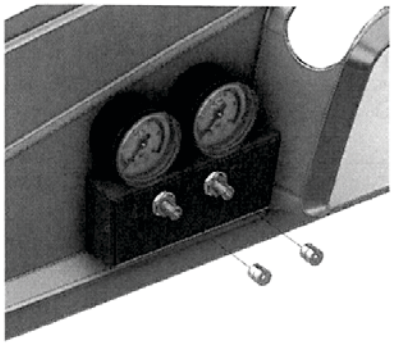
We recommend using rubber grommets to protect the air conduit; please follow the specific instructions on the following page.



Using the supplied M5 screws, nuts and washers, attach the inflation control unit to the side panel of the driver's seat as shown in the illustration.

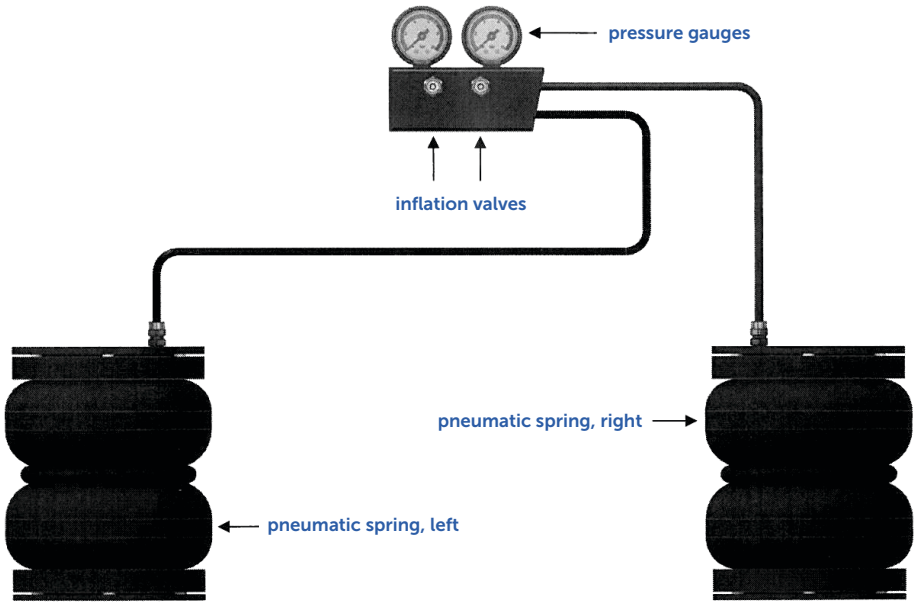


Reinstall the previously removed protective sleeve on the inflation control unit, and secure it using the appropriate nuts.

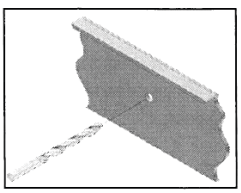


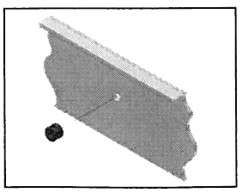
Inflate the system with air through the valves located in the inflation unit to a pressure of 2 or 2.5 bar and screw the protective caps back on.

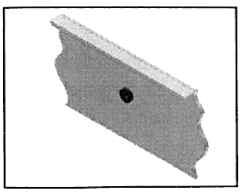
Typical pneumatic circuit diagram for light lorries

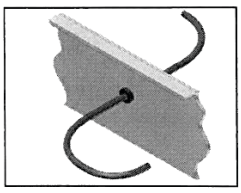


This example shows a typical pneumatic circuit for a light lorry application. The figures are for illustrative purposes only and are not related to any specific installation; they simply show how the pneumatic circuit is arranged.









Location of rubber grommets: Drill a hole in the surface using a Ø 9 mm drill bit, insert the rubber grommet into the hole and then insert the RILSAN tube.

14. page 13

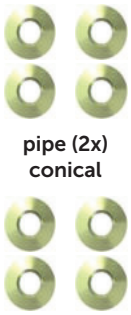
INSTALLATION INSTRUCTIONS

Items included in the package

pneumatic spring, left (1x)
pneumatic spring, right (1x)

fixing

protective rubber grommets for the placement of air



pipe (2x) conical

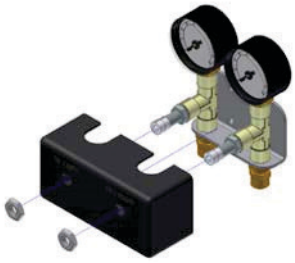
screws M8 x 110 (4x)

Small set of accessories

sticker with type identification data (1x)

sticker for air suspension pressure indication (1x)

RILSAN air hose set:
- red, (6 m), Ø 6x4
- black, (6 m), Ø 6x4

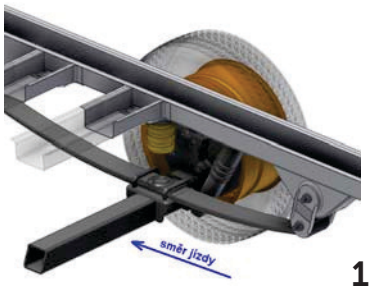


pre-assembled pressure control kit: "Top Drive Control"

fixing kit:
- plastic clips (20x)

sticker with instructions for fitting pneumatic equipment (1x)

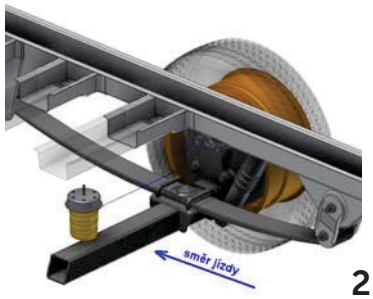
pneumatic spring, right



1

Place the vehicle on the mounting pit or on the mounting platform to work safely and comfortably.

pneumatic spring, right



2

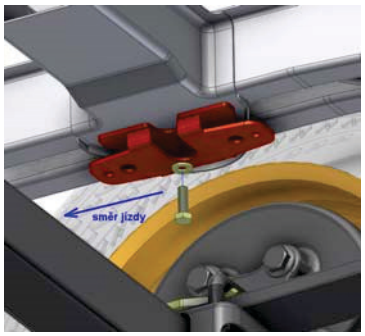
Remove the original stopping blocks, and hand these blocks to the vehicle owner after the pneumatic suspension installation has been completed.

3

After unscrewing the M8 side screws, remove the mounting plate for attachment to the chassis strut from the pneumatic springs. See attached picture.

INSTALLATION INSTRUCTIONS

pneumatic spring, right



4

Using the M10 screw, mount the mounting plate to the chassis as shown in the illustration.

5

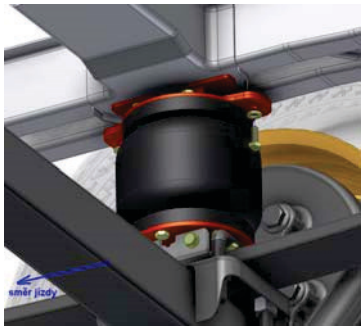
Before installing the pneumatic springs, fit the RILSAN tube to the appropriate tube connection:

- red for the right side
- black for the left side

6

Using M8 x 110 screws, washers and nuts, install the mounting plates on the lower part of the suspension unit as shown in the illustration.

pneumatic spring, right



7

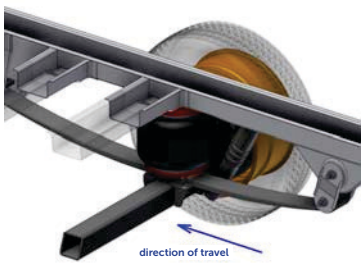
Place the suspension unit under the upper chassis holder, and secure it using the supplied M8 screws and washers as shown in the illustration.

pneumatic spring, right

8

Secure the suspension unit to the axle by tightening the M8 x 110 screws, attaching the lower mounting plates to the springs as shown in the illustration.

pneumatic spring, right



9

The spring unit is now properly assembled. Repeat steps 1 to 8 in a similar way for the left side of the vehicle.

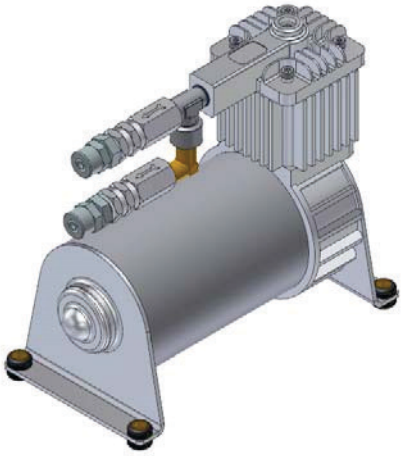
Place the pneumatic suspension pressure sticker in the driver's cab, in a place visible to the driver. Place the sticker with the type identification data on the driver's side of the door frame.
WARNING: In order to use the pneumatic suspension system, it is essential to follow the specific instructions given in the supplementary document "Instructions for installing the pneumatic suspension system" (see illustration here on the right), which are not included in this manual.

WARNING: The instructions must be followed precisely for the implementation of the pneumatic system. The current system may in fact differ depending on the version chosen (manual, automatic levelling or electric) and therefore the instructions for the pneumatic device are given in the relevant manual that comes with the kit purchased. In any case, tighten the nuts of the connecting elements in a careful manner, taking care not to loosen the connection in the previously fitted part. Should this occur, disassemble the coupling completely, clean it thoroughly, and reattach using our recommended threadlocker (threadlocker, code 583500 or 5.5000). IMPORTANT NOTICE: Do not use liquid Teflon, hemp, paints, and so on. If you encounter any problems or require further information, please contact our technical office. EUROSERVICE S.r.l. and ESI Italia S.r.l. are not liable for any consequential damage.

Compressor kit for commercial vehicles (12 V)

Installation instructions

Items included in the package

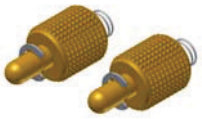


2-way compressor 12 V, with mounting holder (1x)

"Faston" connectors (8x)

two-position switch (1x)

relay with fuse 20 A (1x)



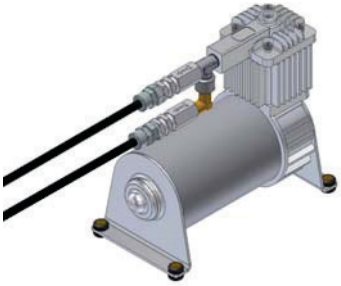
drain valves (2x)

"T" shaped pipe couplings (2x)

air hose "RILSAN", black

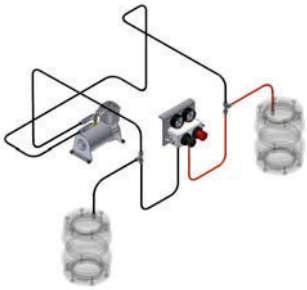
1

Place the compressor in a dry place, protected from the elements.



2

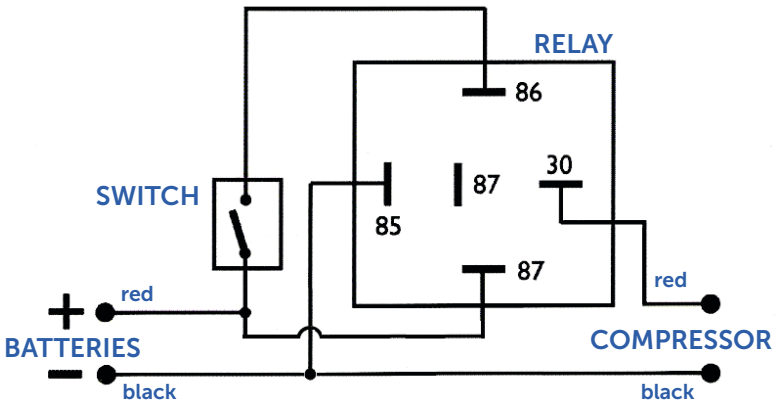
Connect the RILSAN tubes used to supply the pneumatic springs to the compressor outlets (connect the spring on the right to one outlet, the spring on the left to the other outlet).



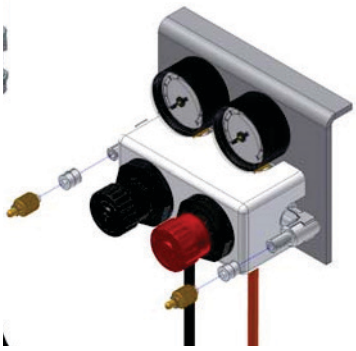
3

Using the two "T" couplers provided, connect the pneumatic spring equipment as shown in the attached schematic diagram.

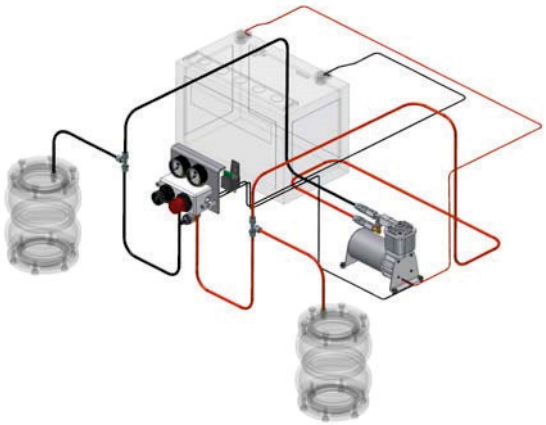
Connect the supplied fused relay to the electrical equipment as shown in point "5" (electrical diagram).



CONTROL RELAY CONNECTION DIAGRAM:
Please follow the wiring diagram to ensure proper operation of the pneumatic springs.



Replace the two caps that are located on the inflation control unit with the drain valves provided.



Schematic representation of a properly wired device.

The compressor is not designed for continuous operation: After a maximum of 5 minutes of compressor operation, the compressor should be allowed to cool down for at least 5 minutes.

In addition, this compressor is equipped with a thermal fuse to automatically protect the unit from overheating.

WARNING: The instructions must be followed precisely for the implementation of the pneumatic system. The actual system may in fact vary depending on the version chosen (manual, automatic levelling or electric) and therefore the instructions for the pneumatic device are given in the relevant manual that comes with the kit purchased.
In any case, tighten the nuts of the connecting elements in a careful manner, taking care not to loosen the connection in the previously fitted part. Should this occur, disassemble the coupling completely, clean it thoroughly, and reattach using our recommended threadlocker (threadlocker, code 583500 or 5.5000).
IMPORTANT NOTICE: Do not use liquid Teflon, hemp, paints, and so on. If you encounter any problems or require further information, please contact our technical office. EUROSERVICE S.r.l. and ESI Italia S.r.l. are not liable for any consequential damage.