

# AIR CONTROLLER KIT INSTALLATION GUIDE

**UNIVERSAL  
FIT FOR ALL MODELS  
OF PICKUPS, TRUCKS  
TRAILERS, SUVs, VANS**

WIRELESS AIR SPRING LEVELING ELECTRIC  
CONTROLLER KIT




























# PACKING LIST

## Main parts

1		1X Compressor control system assembly	2		1X Wireless controller	3		1X Wire harness (6M)
4		1X Air Line φ6*1 (12M)	5		1X PP flame retardant tube φ8.5*φ11.5 (6M)	6		1X Air filter

## Hardware kits

7		1X U bolt 3/8-16*65-226*125	8		3X Tee fitting (Stainless)	9		2X Self-tapping hex screw M8*1.25*20
10		1X Small self-tapping hex screw M6.3*20	11		2X Hex bolt 3/8-16UNC*30	12		2X Nylon lock nut 3/8-16UNC
13		4X Flat washer M10	14		1X Female air hose fitting	15		1X Male air hose fitting
16		2X Fuse adapter (Small and Medium)	17		2X Yellow ring terminal (RV5.5-10)	18		2X Heat shrink butt connector
19		1X Fuse holder	20		2X Yellow blade fuse (20A)	21		2X Big red blade fuse (10A)
22		2X Small red blade fuse (10A)	23		2X Blue blade fuse (15A)	24		1X Cross head screw M4*6
25		3X Tree clip	26		1X Air line cutter	27		2X Inflation valve
28		2X Power battery	29		15X Zip tie (190*5)	30		4X Washer M8
31					1X Car sticker			

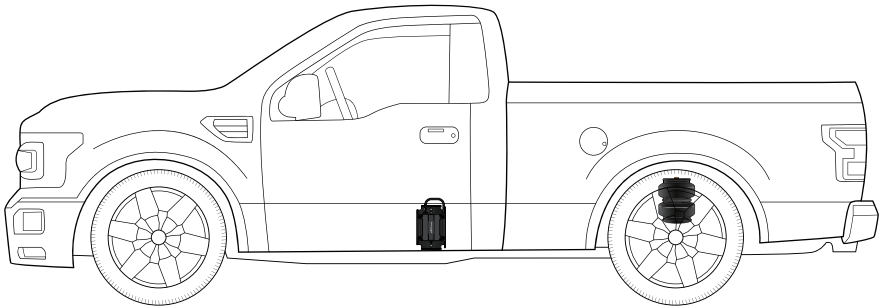
## /// PRE-INSTALLATION NOTICE

- This product will not increase the load capacity of your vehicle.
- Do not exceed the manufacturer's recommended weight limit.
- The installation process may require drilling, professional installation is recommended to ensure personal safety.
- All modifications must be performed by qualified personnel and in compliance with your local modification regulations.

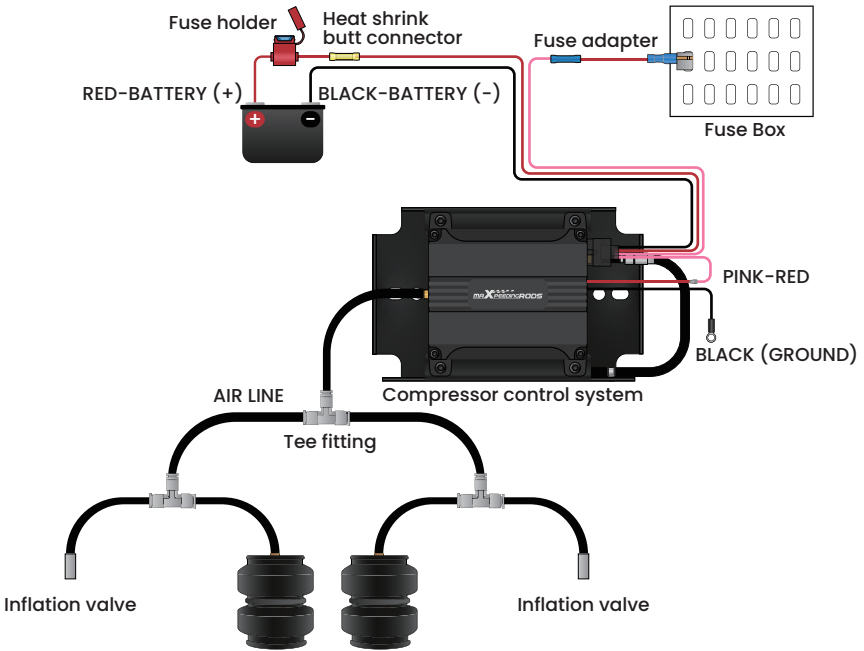
## /// INSTALLATION OVERVIEW

The electronic controller kit allows you to adjust the air springs from inside and outside the cab using a handheld remote controller or smartphone, eliminating the need for wiring and drilling holes in the cab.

Moreover, it can be pre-set to meet your needs in different situations. At the same time, it can be used with any brand of air spring bags. It is important to read and understand the installation before you install it.

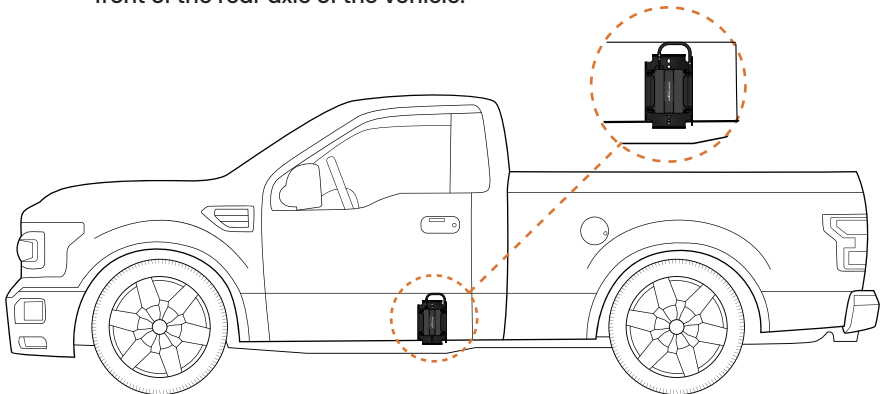


## /// INSTALLATION DIAGRAM



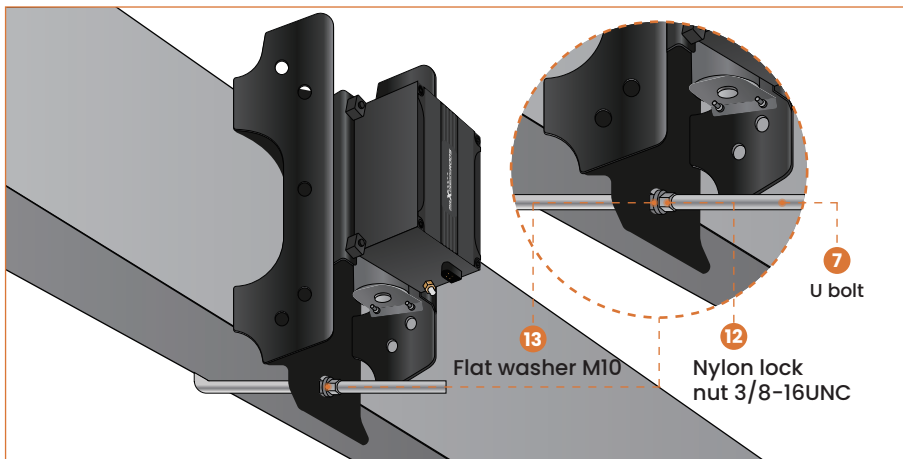
## /// INSTALLING THE COMPRESSOR ASSEMBLY

- ◆ The installation location of the compressor assembly is based on different applications, and the installation location can be selected by yourself. In order to ensure wireless performance, try to install it in front of the rear axle of the vehicle.

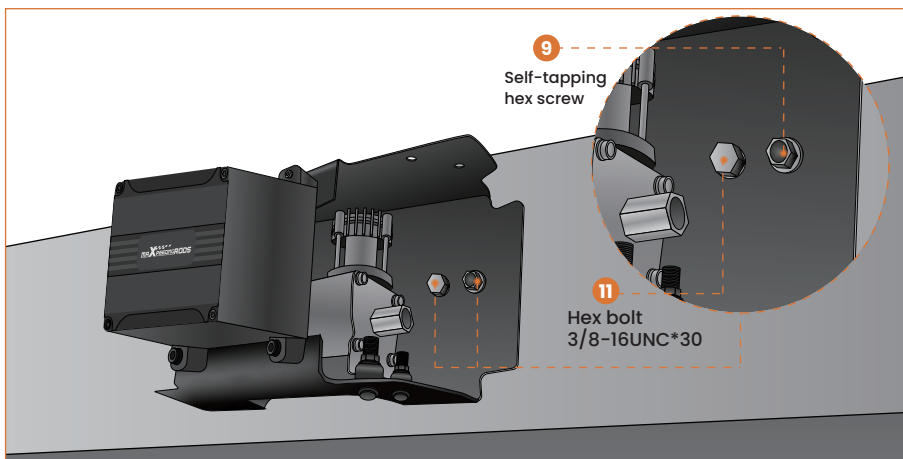


◆ There are different ways for mounting:

1. Install the compressor assembly on the frame with a U-bolt ( **7** of the packing list), then tighten the nuts with washers ( **12** **13** of the packing list).

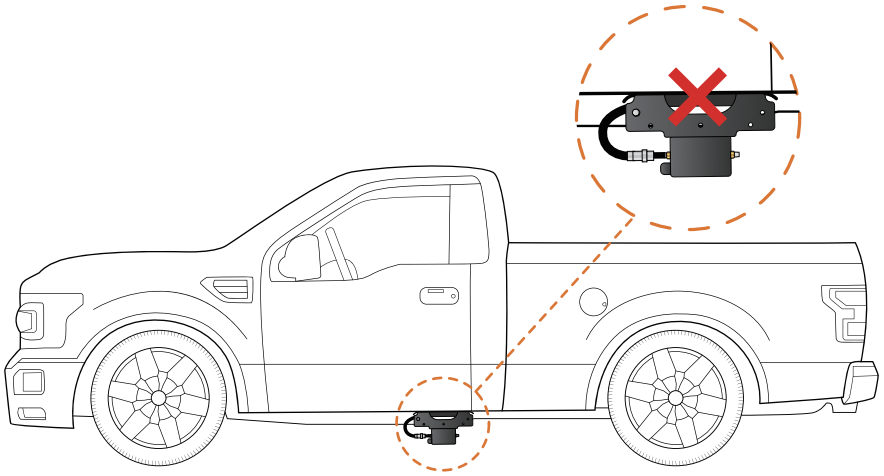


2. Install the compressor assembly to the frame with hex bolts and nuts ( **11** **12** of the packing list). Or install the compressor assembly to the frame with self-tapping hex screws ( **9** of the packing list).



**NOTE:**

**Do not install with the logo facing the ground.**

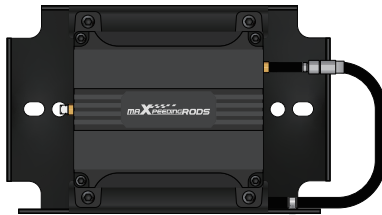


**Do not remove any components from the compressor assembly.**

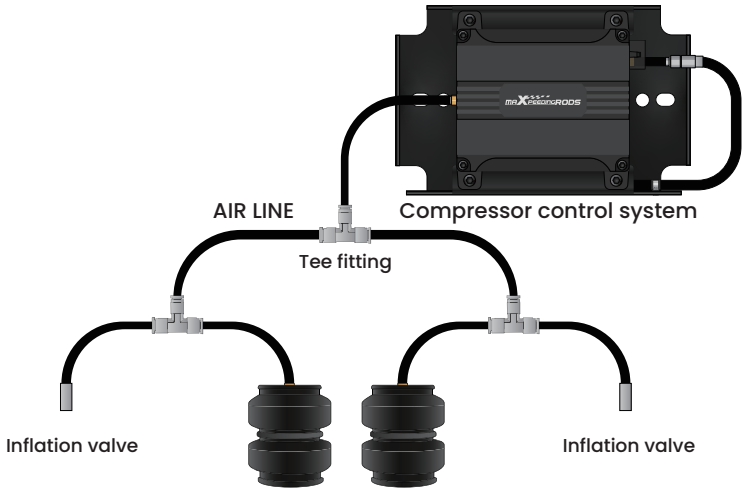
**Before drilling, make sure there are no any components on the back of the frame.**

## **/// INSTALLING THE AIR LINE**

1. Connect the compressor hose to the Manifold's air fitting.

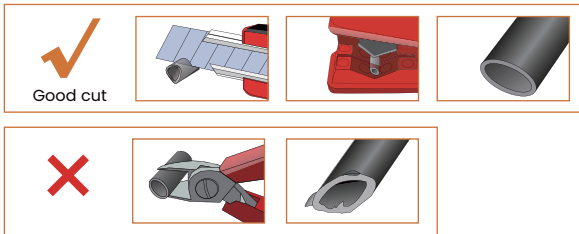


2. Connect the air line to the air spring bags with Tee fitting (8 of the packing list). The Inflation valves can be installed if manual inflation is necessary.



**NOTE:**

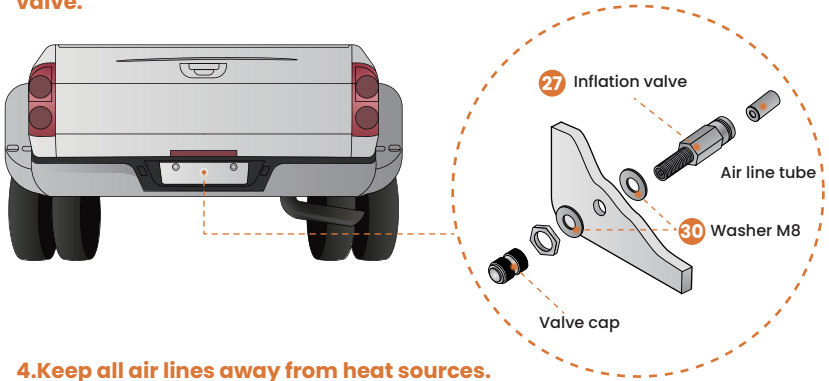
1. Use only a sharp blade or house cutter to cut the air tube, so that the cut is as square and smooth as possible.



2. Follow the steps to install the air line onto the manifold.

<p>1</p>	<p>2</p>	<p>3</p>	<p>4</p>	<p>5</p>
<p>Select the appropriate air hose and air fitting for installation first.</p>	<p>Disassemble all parts of the air fitting.</p>	<p>Insert the air tube into the brass air fitting cap.</p>	<p>Slide the anti-stripping brass clip into the tube. The beveled side of the clip faces the side of the air fitting cap.</p>	<p>There is about 3mm distance between the end of the tube and the clip.</p>

3. Install the inflatable valve in a selected location, usually at the rear of the vehicle. Alternatively, drill a 5/16" hole directly to mount the inflation valve.

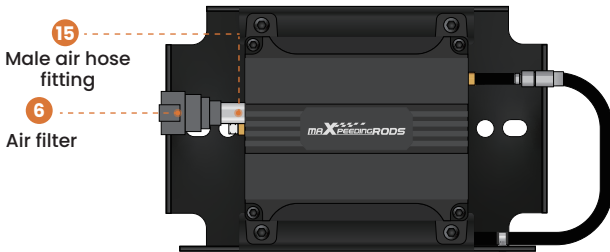


4. Keep all air lines away from heat sources.

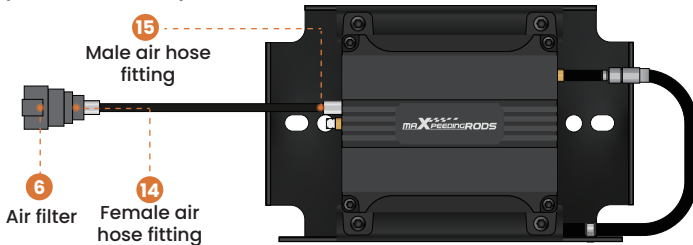
## /// INSTALLING THE AIR FILTER

There are two different ways for mounting:

1. Remove the red dust plug on the compressor. Then install the air filter (6 of the packing list) directly on the compressor.



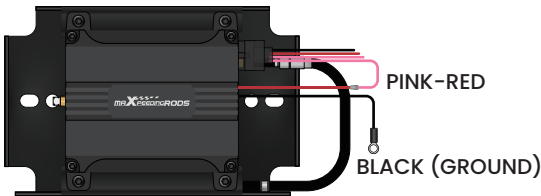
2. Connect the compressor and the air filter with an air line by an air line connector. Depending on the vehicle model, the air filter can be placed in a dry and dust-free place.



## /// CONNECTING ALL THE WIRING HARNESSES

- Keep all wires away from heat sources.
- To keep the voltage within the standard range, do not extend the wires.
- Use the PP flame retardant tube (5 of the packing list) to protect the wiring harness from damage. (Optional)

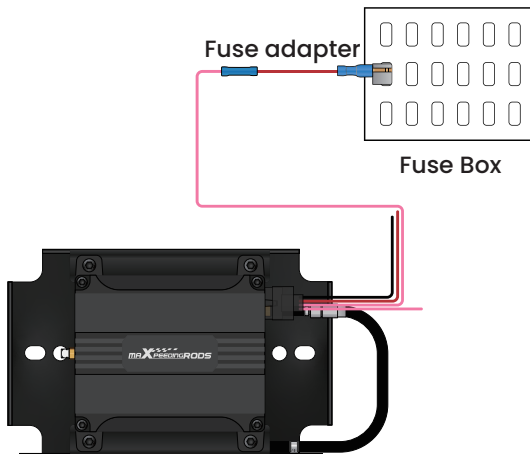
1. Plug the wiring harness (3 of the packing list) onto the Manifold. Then run the wiring harness along the frame to the engine bay.
2. Connect the short pink wire to the red wire from the compressor by the heat shrink connector (18 of the packing list). Also install the black wire to ground, drill a hole in the frame with the small self-tapping hex screw (10 of the packing list), and tighten it.



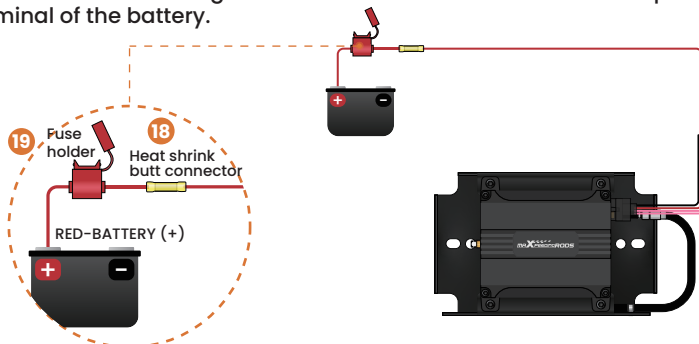
### NOTE:

The ground wire can also be fixed with a cross head screw (24 of the packing list).

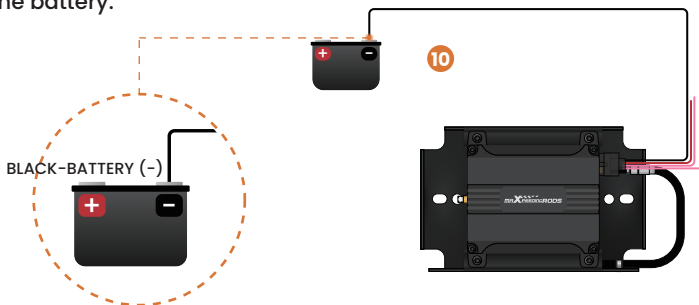
3. Connect the pink end of the wiring harness to the fuse box by 10A fuse adapter.



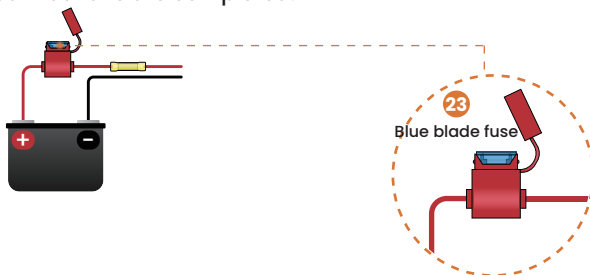
4. Cut off the fuse holder (19 of the packing list) and connect one end to the red end of the wiring harness. The other end connects to the positive terminal of the battery.



5. Connect the black end of the wiring harness to the negative terminal of the battery.



6. Finally, put the fuse and battery covers on. And install the blade fuse after all connections are completed.



## /// INSTALLATION COMPLETED

1. Secure wiring harnesses and air lines with tree clips (25 of the packing list) and zip ties (29 of the packing list) to prevent from falling.
2. For detailed remote control and APP operations, please refer to the User Guide.

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