

AIR SPRING KIT INSTALLATION GUIDE

**FIT FOR
FORD F-150**

REAR AIR HELPER SPRING LEVELING KIT



/// AIR SPRING BAG KIT LIST

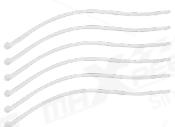
Mounting brackets

1		2X Upper mounting bracket A	2		2X Lower mounting bracket	3		2X Spacer
4		2X Upper mounting bracket B	5		2X Frame bracket			

Air Spring Bag and Air line

6		2X Air spring Bag	7		1X Air line $\phi 6 \times 1$ (5m)
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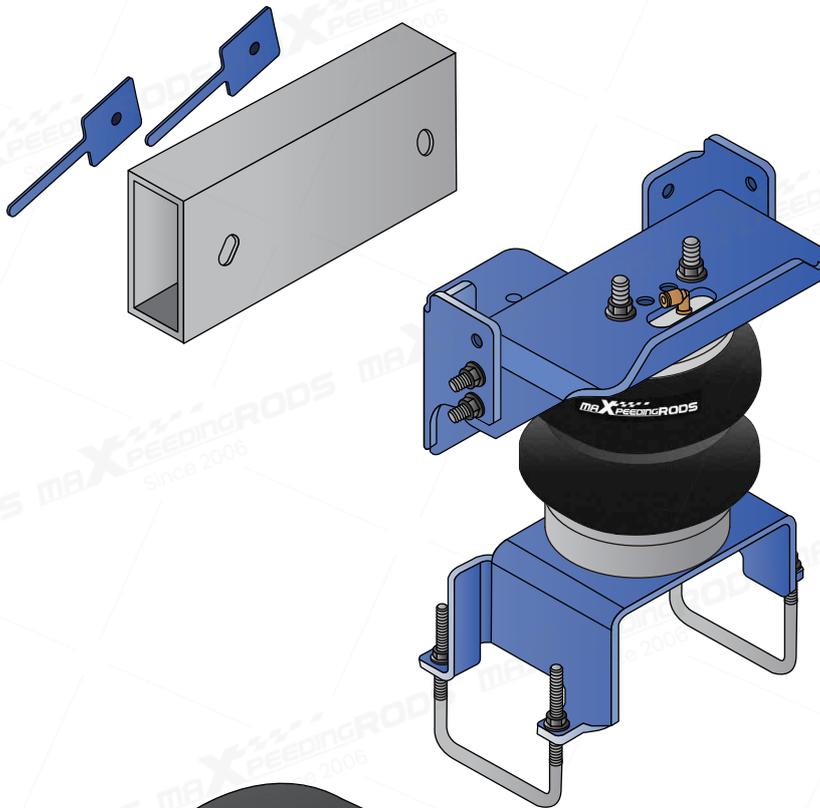
All Hardware kits

8		2X Hex head bolt 3/8-16UNC*50	9		4X Hex head flange bolt 3/8-16UNC*20	10		12X Hex head bolt-white 3/8-16UNC*25
11		20X Hex flange nut 3/8-16UNC	12		4X U-bolt	13		2X 90° Air Hose Fitting G1/4 Ø6 (male)
14		2X Inflation valve (with cap)	15		4X Flat washer M8	16		2X Thermal sleeve
17		4X Zip tie 4*200	18		1X Car sticker			

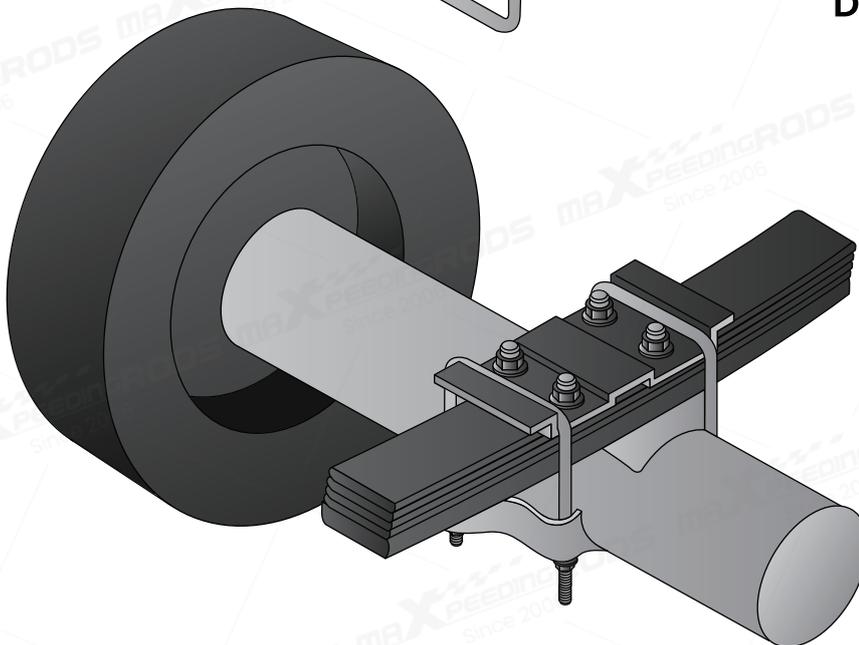
/// PRE-INSTALLATION INSTRUCTION

- 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 installed by qualified personnel and in compliance with your local modification regulations.

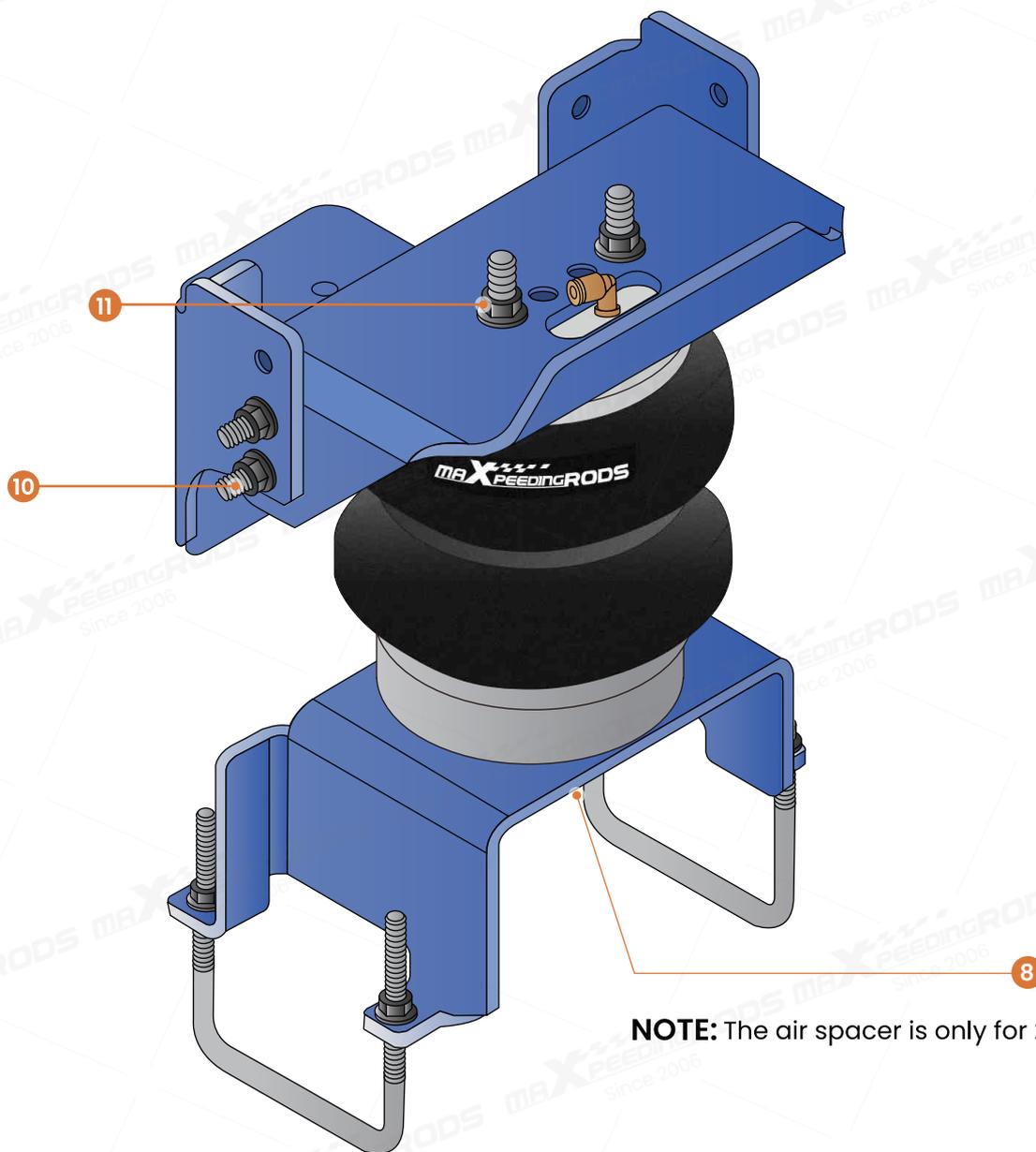
/// INSTALLATION GUIDE



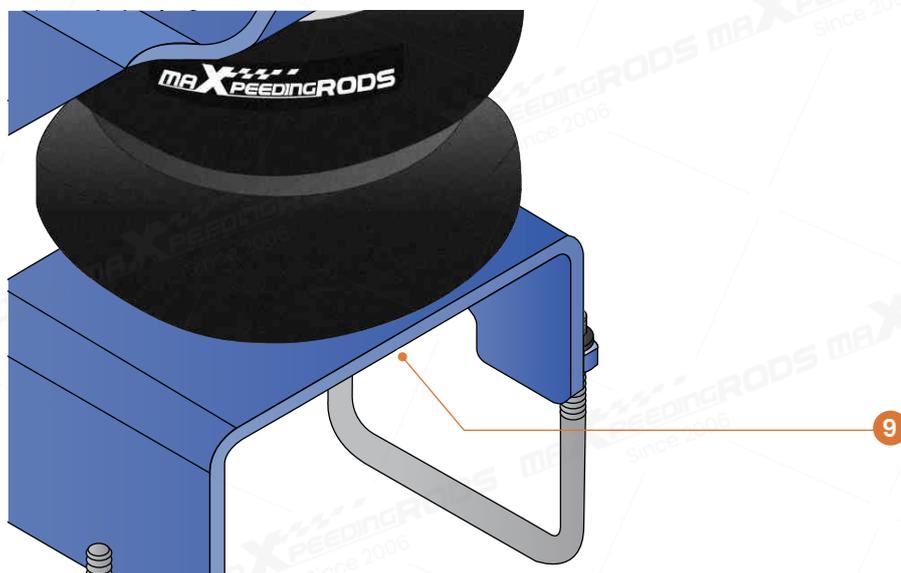
DRIVER'S SIDE



III ASSEMBLING THE AIR SPRING



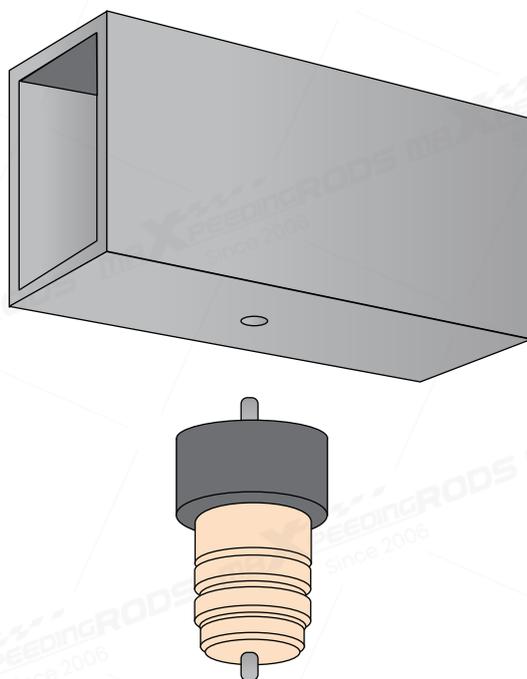
NOTE: The air spacer is only for 2WD truck.



/// REMOVING THE JOUNCE BUMPER

STEP 1. Raise the vehicle and support it using safety stands that the axle can be safely dropped away from the frame and the air spring assemblies can be put into position between the axle and frame.

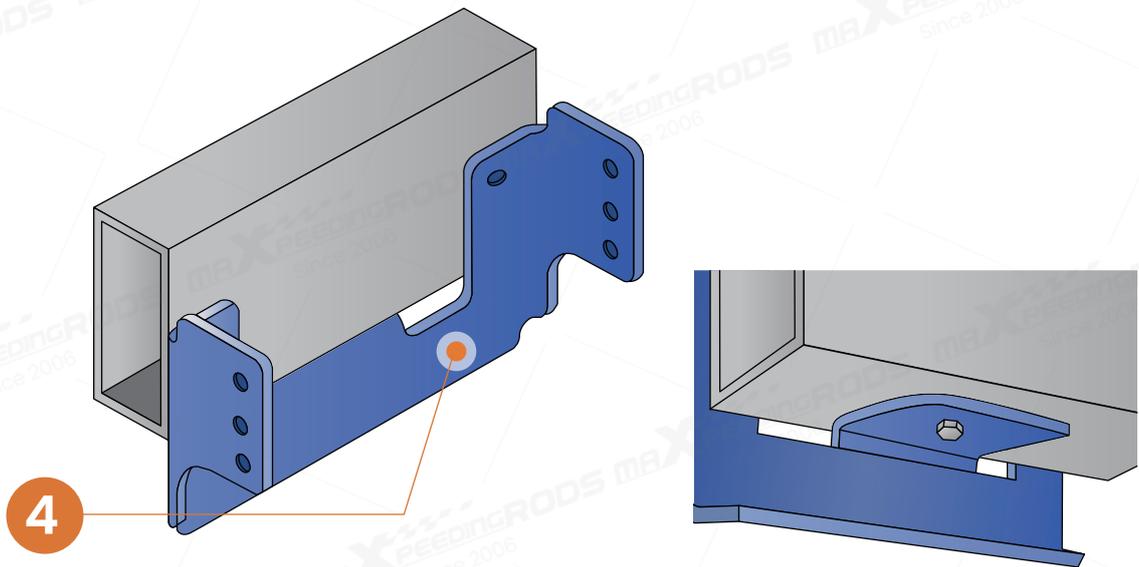
STEP 2. Loosen and remove the jounce bumper from the frame.



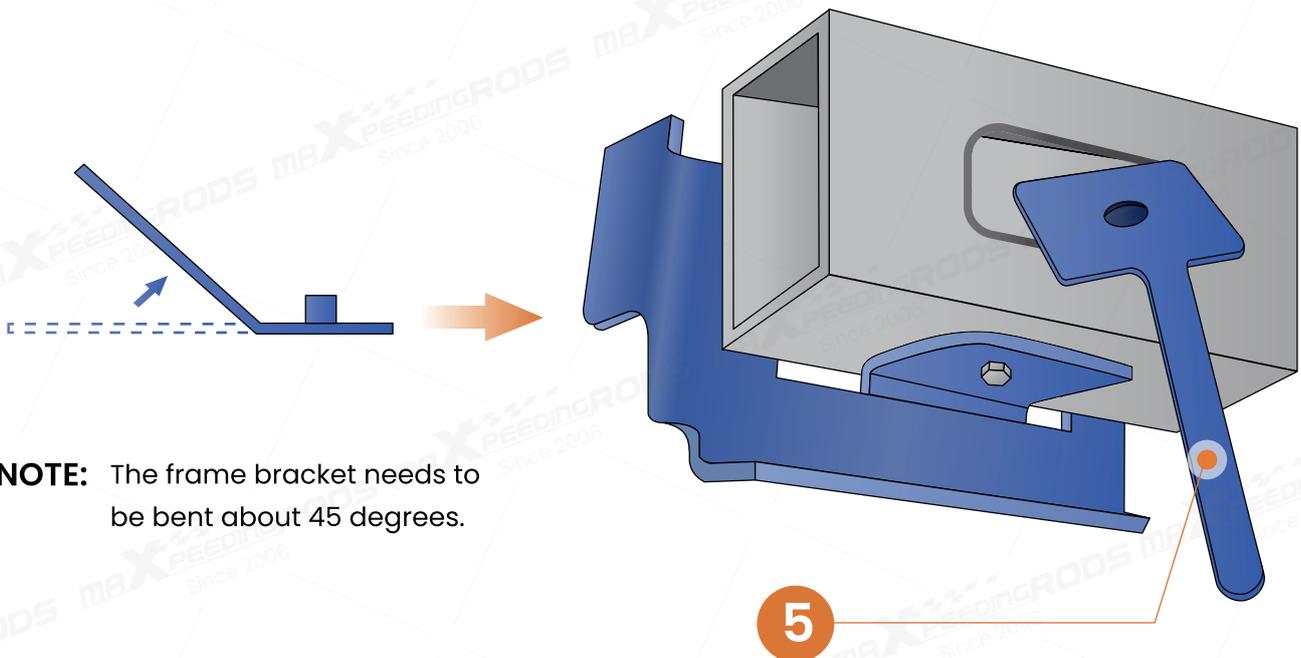
NOTE: The bolt from the jounce bumper will be used again.

/// INSTALLING THE UPPER BRACKET

STEP 1. Install the Upper mounting bracket B (4 of the Air spring bag kit list) to frame and lock with the original bumper bolts.



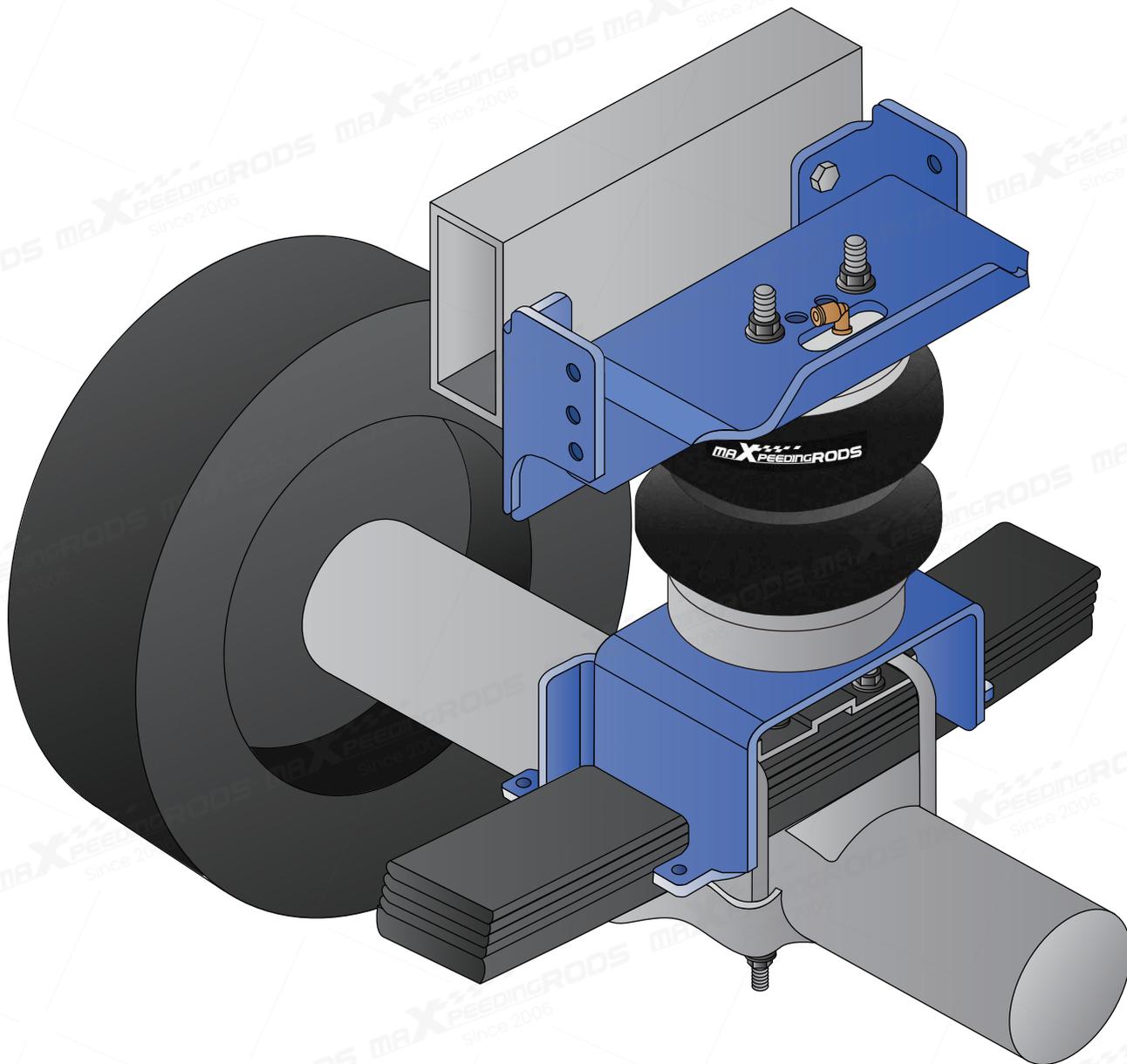
STEP 2. Place the Frame bracket (5 of the Air spring bag kit list) into the hole and bolt it to the frame with the upper mounting bracket B.



NOTE: The frame bracket needs to be bent about 45 degrees.

/// PLACING THE ASSEMBLY ON THE LEAF SPRING

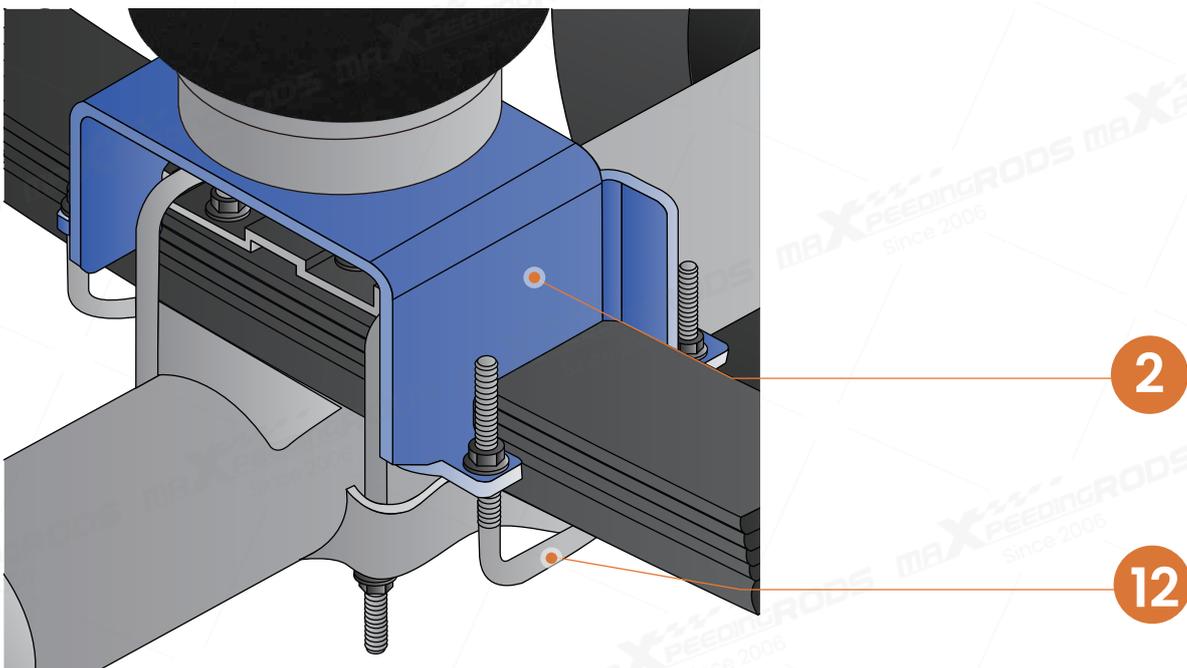
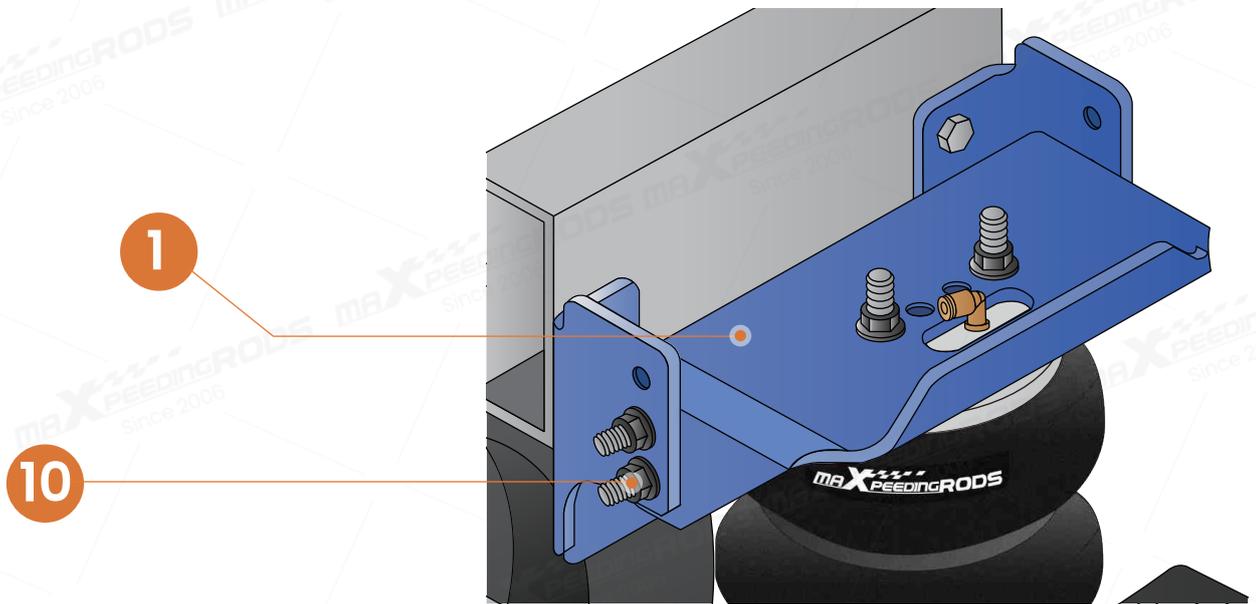
STEP 1. Place the assembly on the leaf spring.



/// INSTALLING THE UPPER AND LOWER BRACKET

STEP 1. Adjust the assembly so that the air spring is perpendicular to the bottom and top mounting brackets without twisting.

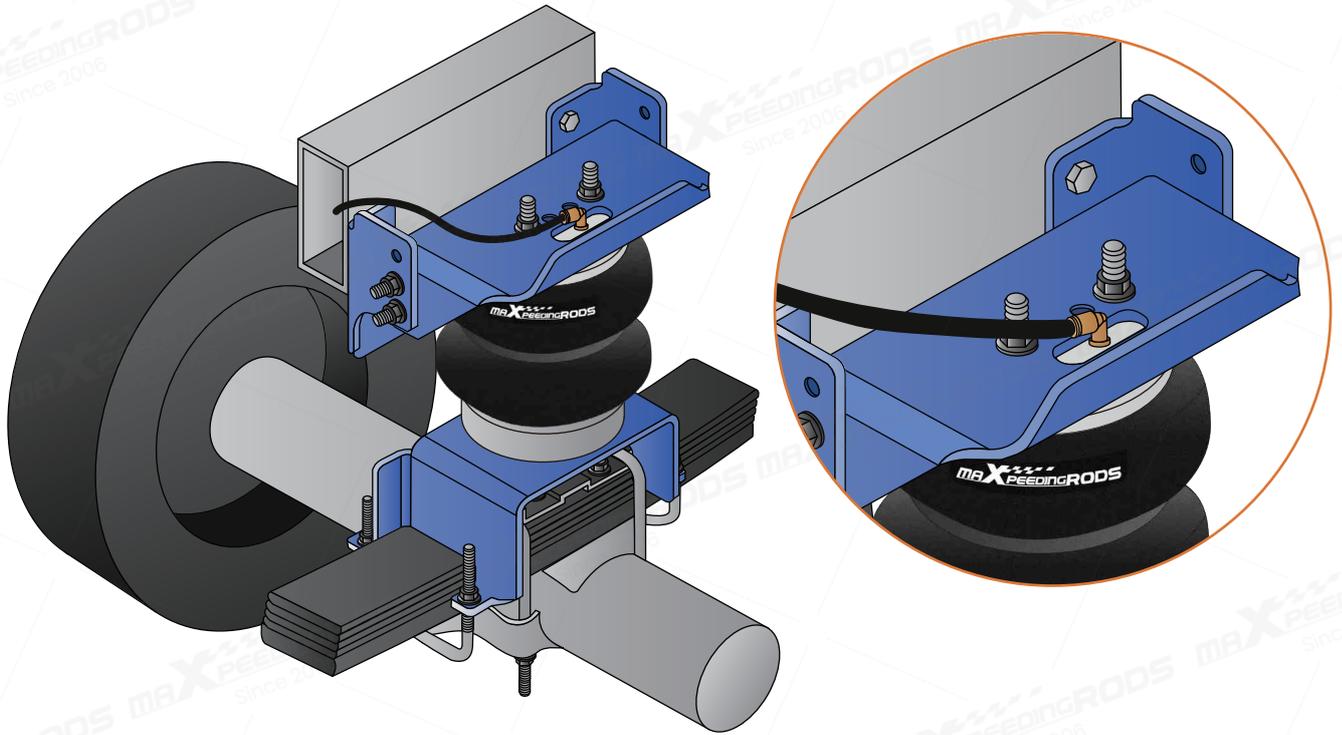
STEP 2. Fasten the Lower mounting bracket (**2** of the Air spring bag kit list) to the leaf spring with the U-bolt (**12** of the Air spring bag kit list), and attach the Upper mounting bracket A (**1** of the Air spring bag kit list) to the Upper mounting bracket B, then tighten the nuts.



/// INSTALLING THE AIR LINES

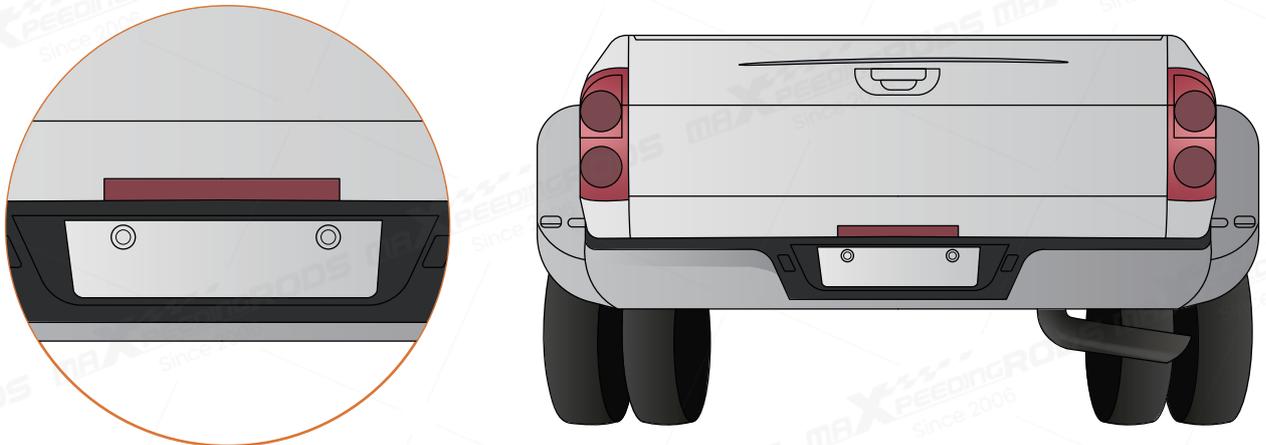
STEP 1.

Cut the air line appropriately and push the hose into the fitting then pull back and make sure it's locked in place.



STEP 2.

Install the inflatable valve in a selected location, usually on the license plate at the rear of the vehicle.



/// CHECK AIR TIGHTNESS

- Put some air into the air spring bag and then spray a soapy solution on all connections and valves while checking for exiting air bubbles.

INSTALLATION COMPLETED



WARNING

Cancer and Reproductive Harm
www.P65Warnings.ca.gov

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