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Rough Country 10033WC Installation Instructions

Air Spring Spacer Kit with Compressor, 5-Inch Lifted Ram 2500

Part number: 10033WC

trailfortress.com/air-spring-spacer-kit-rough-country-10033wc

Scan for fitment, price and install help

ROUGH COUNTRY SUSPENSION SYSTEMS®

921100290

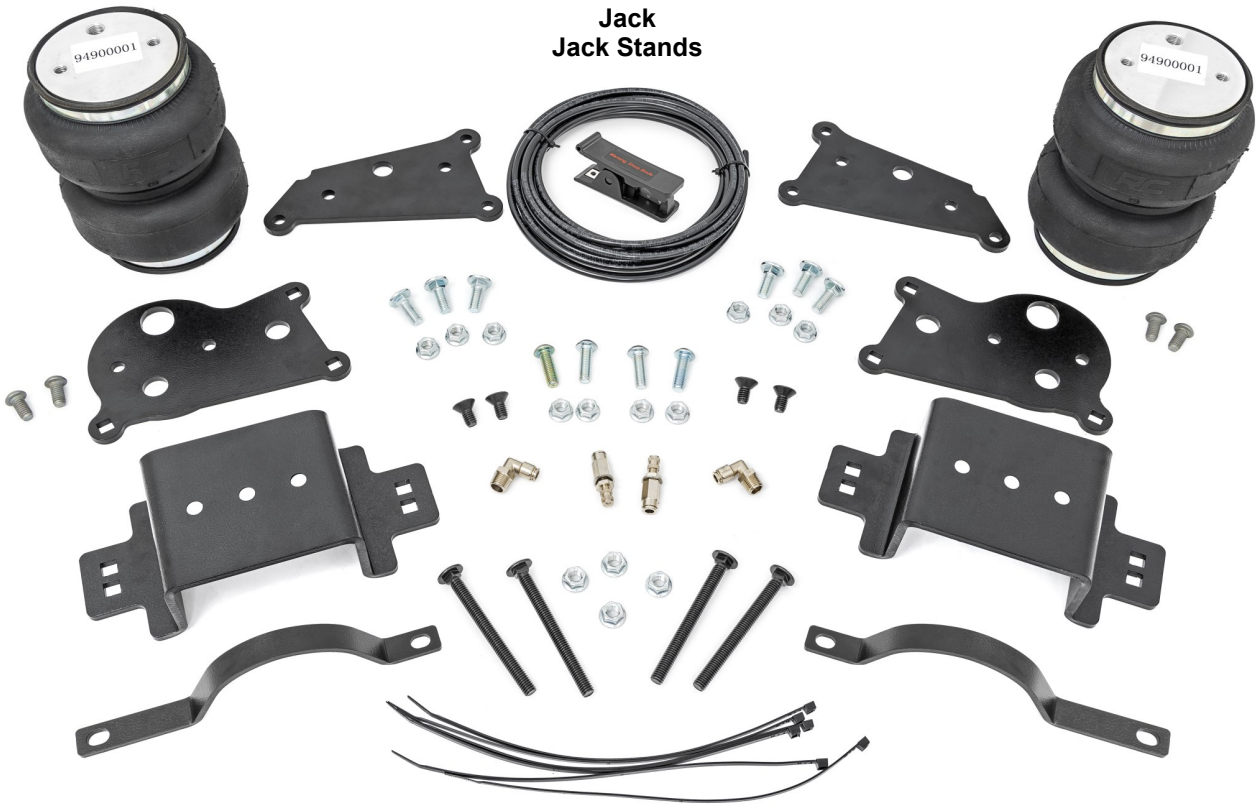
RAM 2014-23 2500 REAR AIR BAG KIT

Thank you for choosing Rough Country for all your vehicle needs.

Please read instructions before beginning installation. Check the kit hardware against the kit contents shown below. Be sure you have all needed parts and know where they go.
If question exist, please call us @1-800-222-7023. We will be happy to answer any questions concerning this product.
Check all fasteners for proper torque. Check to ensure for adequate clearance between all components.
Periodically check all hardware for tightness.

⚠NOTICE Airbags will not increase the maximum load capacity.

TOOLS NEEDED:
6mm Allen
9/16” Wrench or Socket
5mm Allen Wrench
Wheel Chocks
Jack
Jack Stands



Torque Specs:

Size	Grade 5	Grade 8	Size	Class 8.8	Class 10.9
5/16”	15 ft/lbs	20ft/lbs	6MM	5ft/lbs	9ft/lbs
3/8”	30 ft/lbs	35ft/lbs	8MM	18ft/lbs	23ft/lbs
7/16”	45 ft/lbs	60ft/lbs	10MM	32ft/lbs	45ft/lbs
1/2”	65 ft/lbs	90ft/lbs	12MM	55ft/lbs	75ft/lbs
9/16”	95 ft/lbs	130ft/lbs	14MM	85ft/lbs	120ft/lbs
5/8”	135ft/lbs	175ft/lbs	16MM	130ft/lbs	165ft/lbs
3/4”	185ft/lbs	280ft/lbs	18MM	170ft/lbs	240ft/lbs

Kit Contents

2 - Lower Air Bag Mount

2 - Upper Air Spring Frame Mount

2 - Upper Air Spring Mount

2 - Axle Straps

2 - Air Bags

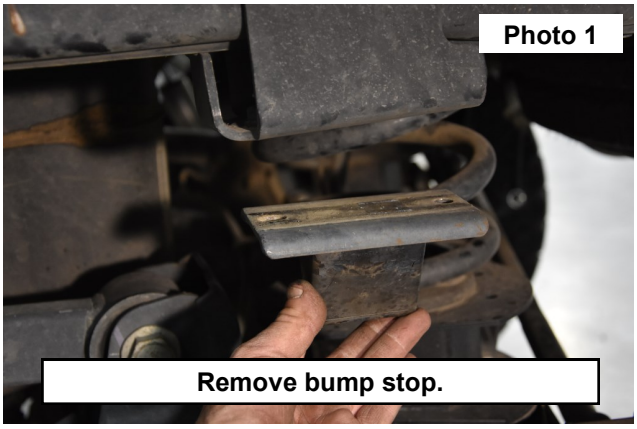
1 - 10009BAG
20ft - 1/4” DOT Air Line
2 - 11” Black Cable Tie
Air Line Cutter

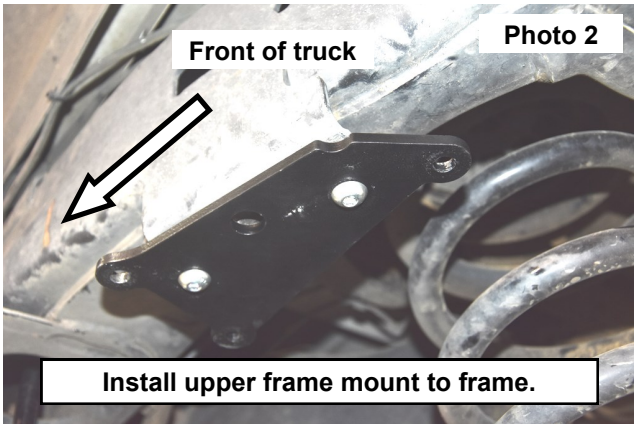
1 - 10029BAG1
2 - Air Bag 90° Elbow
2 - Air Bag Inflation Valve
4 - 10mm x 30mm Button Head Bolt
4 - 3/8” x 3/4” Bolt
6 - 3/8” x 1” Carriage Bolt
4 - 3/8” x 4” Carriage Bolt
10- 3/8” Flange Lock Nut
4 - 3/8” x 3/4” Flat Head Bolt
6 - 11” Black Cable Tie



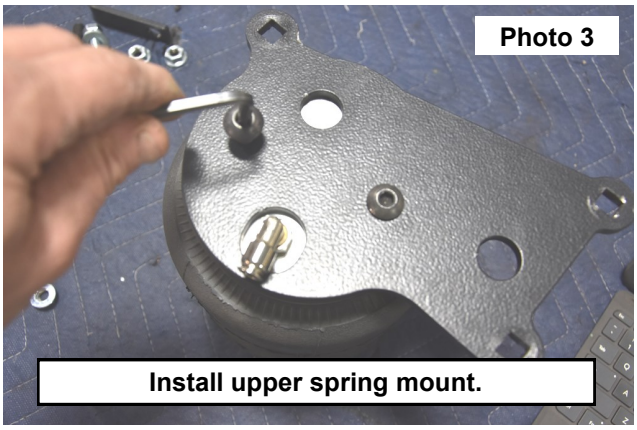
INSTALLATION INSTRUCTONS

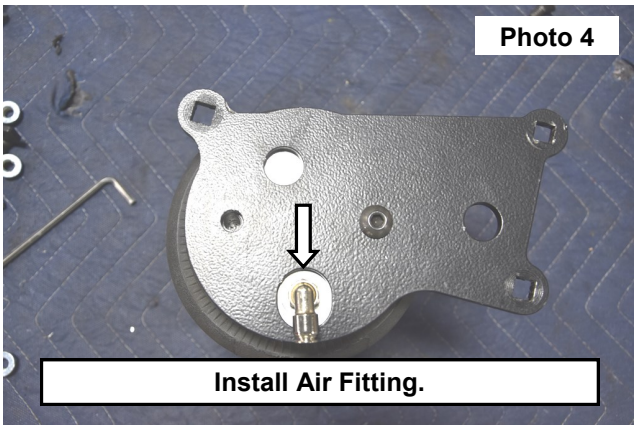
1. Chock the front wheels. Jack up the rear of the vehicle and place on jack stands. Remove rear tires.
2. Remove factory bump stop with a 17mm wrench. **See Photo 1.**
3. Bolt the upper air spring frame mount to the frame using with the supplied silver 10mm x 30mm button head bolts using a 5mm Allen wrench. **NOTE:** The side with two bolt holes faces front of truck. **See Photo 2.**





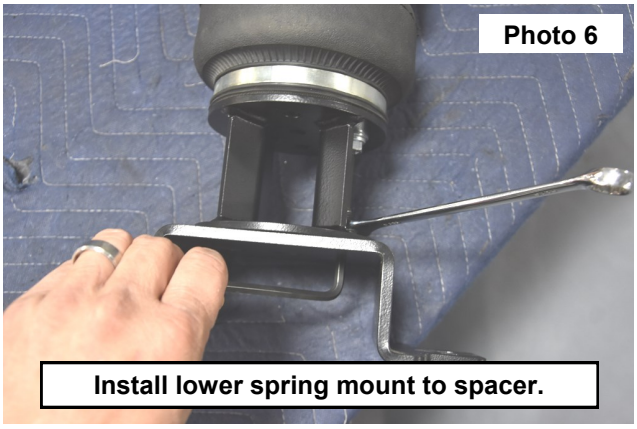
4. Install upper air spring mount to air bag with supplied 3/8” x 3/4” black button head bolts and use 5mm Allen wrench to tighten. With thread tape, install supplied 90° air fitting using 9/16” wrench. **See Photo 3 and Photo 4.**



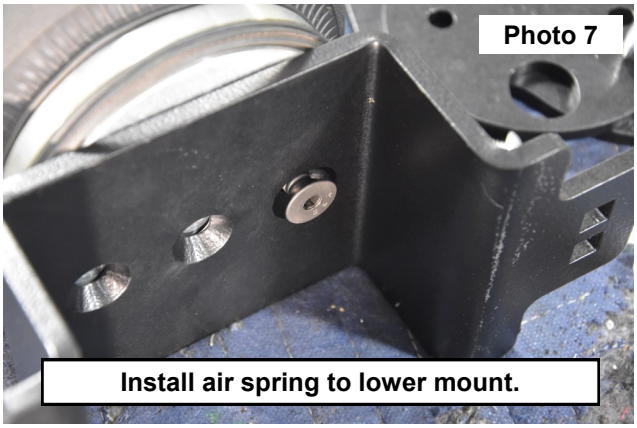


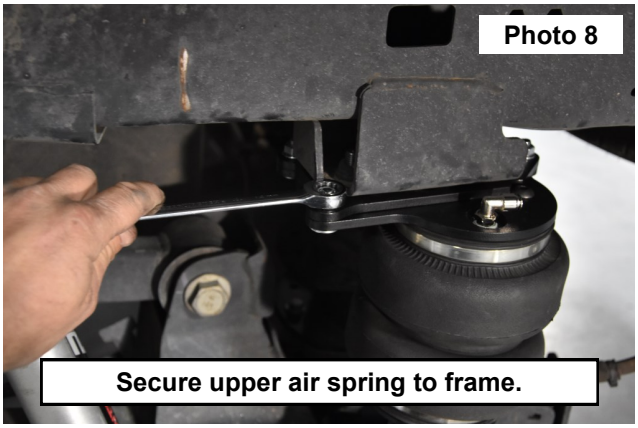
5. Lifted trucks go to **Step 6**. Stock trucks go to **Step 8**.
6. **For Lifted Trucks Only:** Install round spacer directly to bottom of a spring using 3/8” x 1” hex head bolt, 3/8” lock washer, and 3/8” flange nut. **See Photo 5.**
7. **For Lifted Trucks Only:** Install lower spring mount with supplied 3/8” x 3/4” flat head bolts using a 5mm Allen Wrench. **See Photo 6.**





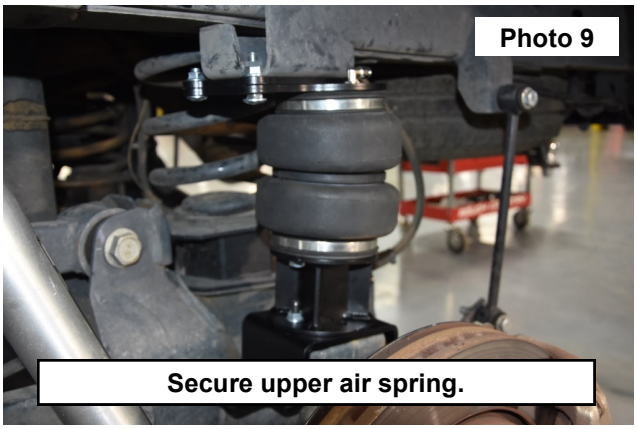
8. Install lower air spring mount to air spring with supplied 3/8” x 3/4” flat head bolts using a 5mm Allen Wrench. **See Photo 7.**
9. Install air spring assembly between the axle and bump stop. **NOTE:** May need to compress air bag to fit. Use the supplied 3/8” x 1” carriage bolts and 3/8” flange nuts to secure the top of the air spring to the frame with a 9/16” wrench. **See Photo 8 and Photo 9.**

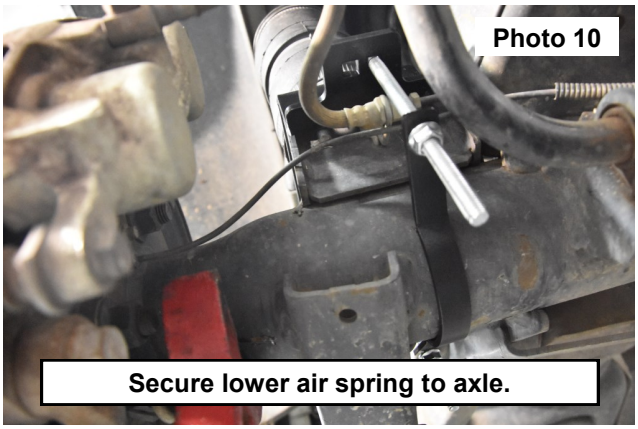




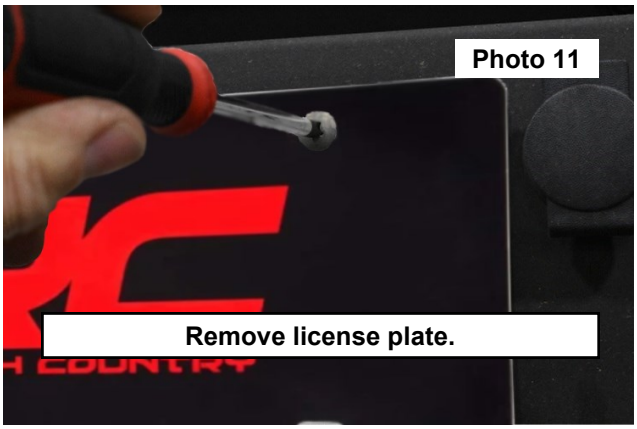
NOTE: Only lifted trucks will have the spacer shown in **Photo 9.**

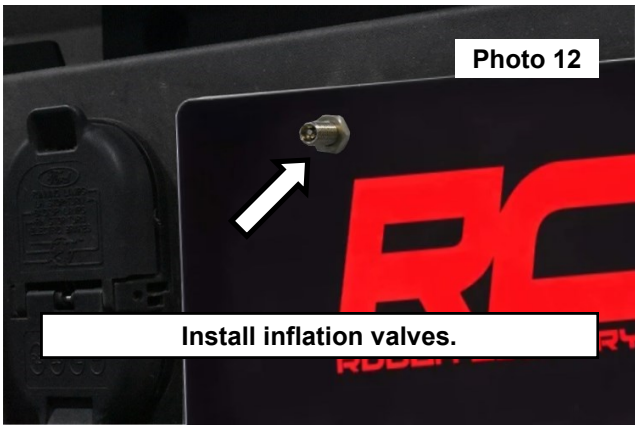
10. Install supplied 3/8” x 4” carriage bolt on the lower air spring mount. Use axle strap and supplied 3/8” flange nuts to secure lower air spring mount to axle. **See Photo 10.**





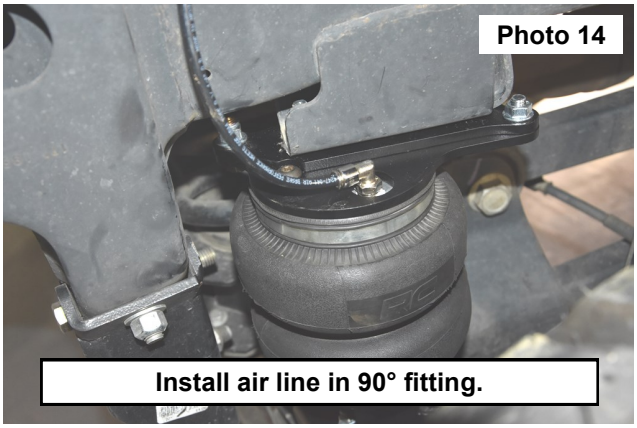
11. Repeat steps 2 - 10 for other side.
12. Remove the license plate screws. **See Photo 11.**
13. Install inflation valves in the stock license plate screw locations. **See Photo 12.**





14. Install the supplied 1/4” DOT air line in the inflation valve and 90° fitting. Be sure to avoid pinch points and kinks in the hose when routing the air line. **See Photo 13 and Photo 14.**
NOTE: Min/Max air pressure for airbags is 5 psi / 100 psi.





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