

ROUGH COUNTRY

SUSPENSION SYSTEMS®

FORD 2005-16 F-250/F-350 Rear Air Bag Kit for Lifted Application

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.

Kit Contents:

Air Springs x2
 Dr Upper Air Spring Mount x1
 Pass Upper Air Spring Mount x1
 Upper Air Spring Spacers x6
 Emission Line Bracket x1
 Lower Air Spring Mounts x2
 Lower Air Spring Mounts Top x2
 Dr Lower Mounting Bracket x1
 Pass Lower Mounting Bracket x1
 Lower Straps x2
 Heat Shield x1

Tools Needed:

3/8" Socket/Wrench
 9/16" Socket/Wrench
 3/4" Socket/Wrench

Hardware Included:

1/4" x 1" Hex Bolts x2
 1/4" Flat Washers x4
 1/4" Lock Nuts x2
 3/8" x 4" Carriage Bolts x4
 3/8" x 2" Carriage Bolts x2
 3/8" x 1" Hex Bolts x20
 3/8" Lock Washers x8
 3/8" Flat Washers x20
 3/8" Flange Lock Nuts x16
 1/2" x 3-1/2" Hex Bolts (for gooseneck)
 1/2" x 1-1/2" Hex Bolts (non-gooseneck)
 1/2" Lock Nuts x2
 1/2" Flat Washers x8
 Nuts x2
 Zip Ties x6
 Hose Clamps x2
 Loop Clamp x1



Torque Specs:

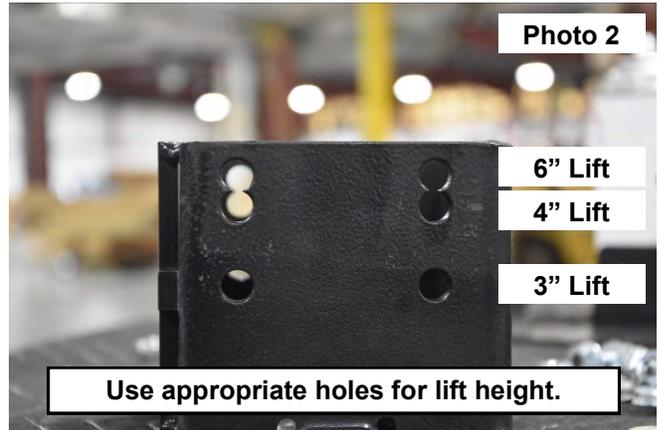
Size	Grade 5	Grade 8	Size	Class 8.8	Class 10.9
5/16"	15 ft/lbs	20ft/lbs	6MM	5ft/lbs	9ft/lbs
3/8"	30 ft/lbs	35ft/lbs	8MM	18ft/lbs	23ft/lbs
7/16"	45 ft/lbs	60ft/lbs	10MM	32ft/lbs	45ft/lbs
1/2"	65 ft/lbs	90ft/lbs	12MM	55ft/lbs	75ft/lbs
9/16"	95 ft/lbs	130ft/lbs	14MM	85ft/lbs	120ft/lbs
5/8"	135ft/lbs	175ft/lbs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



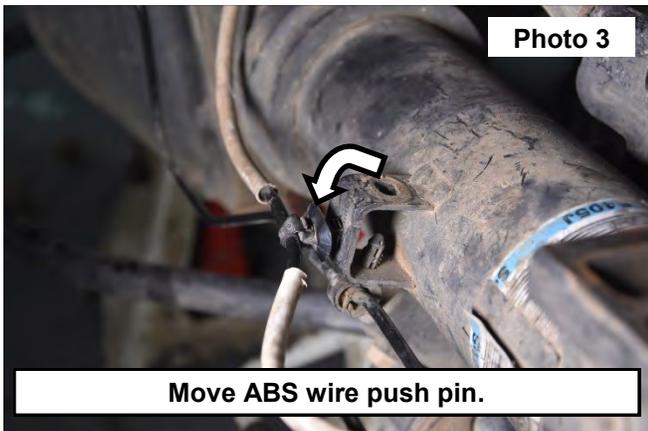
INSTALLATION INSTRUCTIONS

1. Jack up the rear of the vehicle and place on jack stands. Remove the rear wheels.
2. Assemble the lower air spring mounts using the supplied 3/8" x 1" bolts, nuts, and washers using two 9/16" sockets/wrenches. Use the appropriate holes for your vehicles lift height. **See Photo 1** and **Photo 2**.

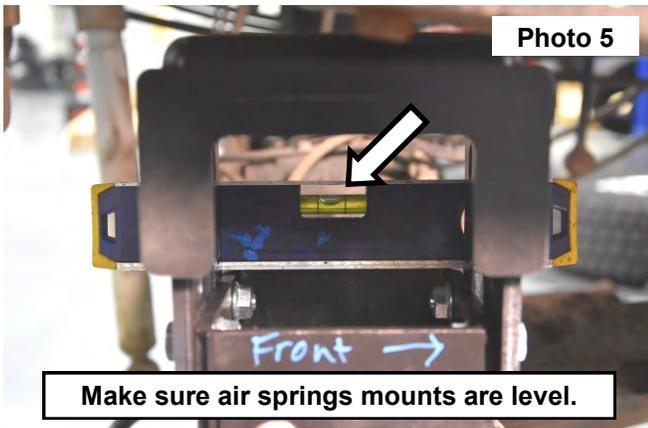
NOTE: If you do not know your vehicles lift height, know that the distances from the top of the lower mount and the bottom of the frame should be 6".



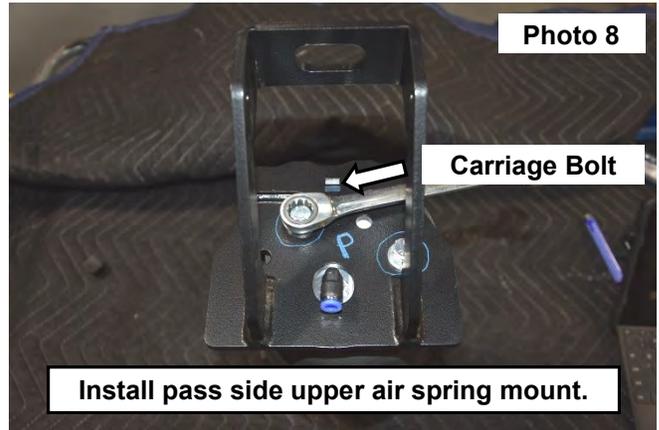
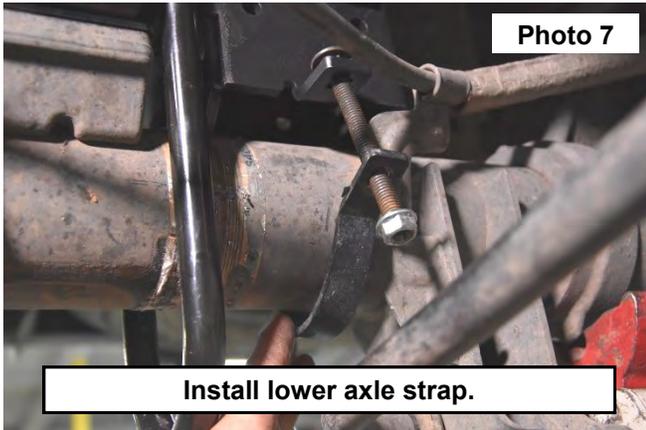
3. Move the ABS wire push pin from the top hole in the axle bracket to the side hole. **See Photo 3**.
4. Support the axle and loosen the rear U-bolts. Raise the rear of the vehicle up a few inches and remove the rear blocks. Install the air spring mounts on top of the axle and install the lower mounting brackets to the air spring mounts (marked D and P for Driver and Pass sides) using the supplied 3/8" x 1" bolts, nuts, and washers using two 9/16" sockets/wrenches. **See Photo 4**.



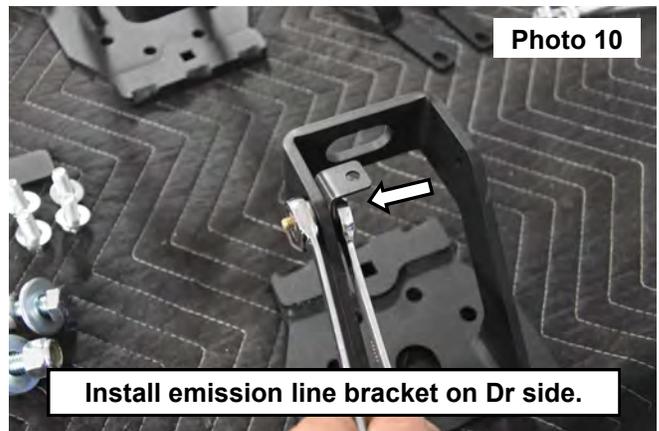
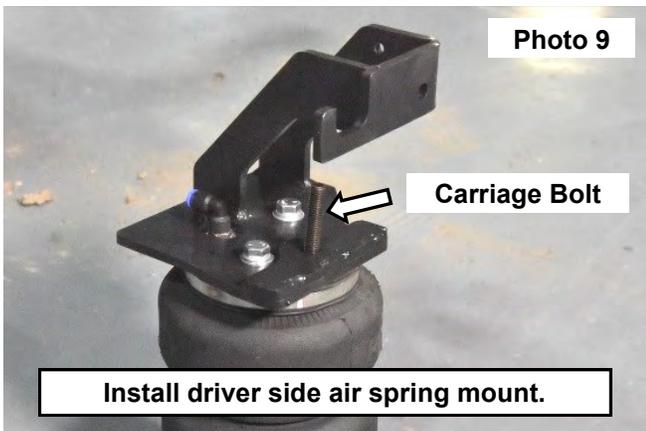
5. Make sure the air spring mounts are level. **See Photo 5**.
6. Reinstall the block and lower the rear of the vehicle enough to keep the block secure. **See Photo 6**.



7. Install the lower axle strap with the supplied 3/8" x 4" black-coated carriage bolts and flange nuts using a 9/16" socket/wrench. **See Photo 7.**
8. Install the pass side upper air spring mount on the air bag with 3/8" x 1" bolts, lock washers, and flat washers using a 9/16" socket/wrench. Install the 90° fitting in the air bag. **Install the 3/8" x 2" carriage bolt before the 1" bolts. Take note of the bolt pattern for the 1" bolts. See Photo 8.**



9. Install the driver side upper air spring mount on the air bag with 3/8" x 1" bolts, lock washers, and flat washers using a 9/16" socket/wrench. Install the 90° fitting in the air bag. **Install the 3/8" x 2" carriage bolt before the other bolts. See Photo 9.**
10. Install the emission line bracket on the driver side air spring mount 1/4" x 1" bolts, nuts, and washers using two 3/8" sockets/wrenches. **See Photo 10.**



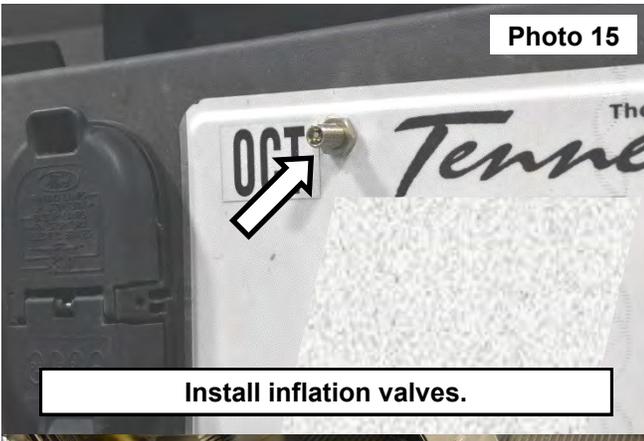
11. Install 3 upper air spring spacers on each mount over the carriage bolts. **See Photo 11.**
12. Install the air springs to the frame with the supplied 1/2" x 1-1/2" bolts (or 1/2" x 3-1/2" bolts for gooseneck hitch), lock nuts, and washers using a 3/4" socket/wrench. **See Photo 12.**



13. Secure the air bag to the lower mounting using the supplied 3/8" x 1" bolts, lock washers, and flat washers using a 9/16" socket/wrench. **See Photo 13.**
14. Remove the license plate screws. **See Photo 14.**



15. Install inflation valves in the stock screw locations. **See Photo 15.**
16. Install the supplied 1/4" DOT air line in the inflation valve and 90° fitting. **See Photo 16.**
- NOTE: Max/Min for Airbags is 5-100 psi.**



17. Use zip ties to secure excess air line.
18. Put on wheels and lower.



By purchasing any item sold by Rough Country, LLC, the buyer expressly warrants that he/she is in compliance with all applicable, State, and Local laws and regulations regarding the purchase, ownership, and use of the item. It shall be the buyers responsibility to comply with all Federal, State and Local laws governing the sales of any items listed, illustrated or sold. The buyer expressly agrees to indemnify and hold harmless Rough Country, LLC for all claims resulting directly or indirectly from the purchase, ownership, or use of the items.

