2019+ GM 1500 ReadyAIR Load Leveling Kit (PN: 88-31190)



INTRODUCTION

In this guide we'll show you how to properly install the ReadyAIR Load Leveling Kit for the 2019+ GM 1500.

READ INSTRUCTIONS THOROUGHLY AND COMPLETELY BEFORE INSTALLATION.

INSTALLATION BY A CERTIFIED PROFESSIONAL MECHANIC IS HIGHLY RECOMMENDED.

LOGIQTM IS NOT RESPONSIBLE FOR ANY DAMAGE OR FAILURE RESULTING FROM IMPROPER INSTALLATION.

Note: If your ReadyAIR product has a damaged or missing part, please contact customer service directly at 800-549-4620 and a new replacement part will be sent to you immediately. For warranty issues, please return to the place of installation and contact LOGIQ via email at tech@LOGIQair.com.

WARRANTY

LOGIQTM provides a limited lifetime warranty to the original purchaser of products, that the product be free from defects in workmanship and materials when used on cars and trucks as specified by LOGIQTM and under normal operating conditions. This warranty is subject to the requirements and exclusions set forth in the full Limited Warranty and Return Policy that is available at logiqair.com/warranty. Air compressors are a wearing component and are covered by a 2-year warranty from the date of purchase. The warranty does not provide coverage for abuse, operation in a manner not consistent with the product's design, or damage resulting from exposure to the elements.

WARNINGS & DISCLAIMERS

By installing this product you acknowledge that the suspension of this vehicle has been modified. As a result, this vehicle may handle differently than that of factory-equipped vehicles. As with any vehicle, extreme care must be used to prevent loss of control or roll-over during sharp turns or abrupt maneuvers. Always wear seat belts, and drive safely, recognizing that reduced speeds and specialized driving techniques may be required. Failure to drive this vehicle safely may result in serious injury or death. Do not drive this vehicle unless you are familiar with its unique handling characteristics and are confident of your ability to maintain control under all driving conditions. Some modifications (and combinations of modifications) are not recommended and may not be permitted in your state. Consult your owner's manual, the instructions accompanying this product, and state laws before undertaking these modifications. You are responsible for the legality and safety of the vehicle you modify using these components.

APPLICATION NOTES
TRUCK COMPATIBLITIY
NOT COMPATIBLE WITH 3.0L DIESEL TRUCKS PAIRED WITH SINGLE EXIT EXHAUST
5TH WHEEL COMPATIBILITY
BWGNRK1019
BWRVK2504
REESE RP56015-53
DEMCO DM8552034-71
DEMCO DM8553019-12
DEMCO DM8551011

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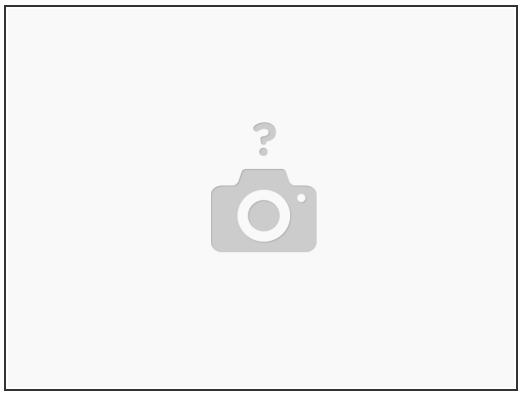
TOOLS:

- Safety Glasses (1)
- Jack Stand (2)
- Floor Jack or Lift (1)
- Needle Nose Pliers (1)
- Metal Snips (1)
- Torque Wrench (1)
- Drill and 5/16" Drill Bit (1)
- Air Line Cutter (Razor Blade) (1)
- 3/8" Drive Ratchet (1)
- 3/4" Wrench (1)
- 3/4" Crowsfoot (1)
- 9/16" Deep Socket (1)
- 9/16" Wrench (1)
- 7/16" Socket (1)
- 3/16" Allen Socket (1)
- T40 Torx Socket (1)
- 13mm Socket (1)
- 12mm Wrench (2)

PARTS:

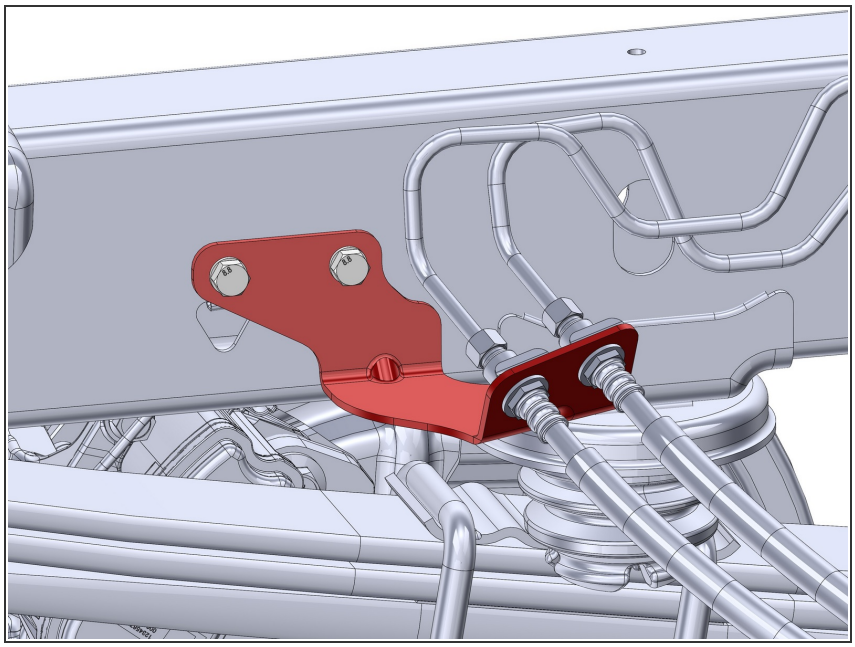
- Driver Side Air Spring Assembly (1)
- Passenger Side Air Spring Assembly (1)
- 1/2"-13 x 1.5" Hex Head Bolt Grade 5 (2)
- 1/2" Flat Washer (2)
- 1/2"-13 Quarter Turn Nut (2)
- Frame Hook (4)
- 3/8"-16 x 1.375" Hex Head Bolt Grade 8 (8)
- 3/8"-16 Nylon Locking Nut Grade 8 (8)
- 3/8" Flat Washer (20)
- Axle Clamp (2)
- 3/8"-16 X 5" Carriage Bolt (4)
- 2.5" Long Protective Sheathing for 3/8" Carriage Bolt (2)
- 3/8"-16 Nylon Locking Nut (4)
- 1/4"-20 x 1.5" Socket Head Cap Screw (8)
- 1/4"-20 Nylon Locking Nut (8)
- 1/4" Flat Washer (8)
- Brake Line Relocation Bracket (1)
- M8-1.25 x 50mm Hex Head Bolt (2)
- M8 Flat Washer (2)
- 2mL Red Threadlocker Packet (1)
- Heat Wrap (1)
- Hose Clamp (2)
- 8" Zip Tie (20)
- Inflation Valve to 1/4" PTC Fitting (2)
- 16' Roll of 1/4" Air Line (1)

Step 1 — Prepare Truck



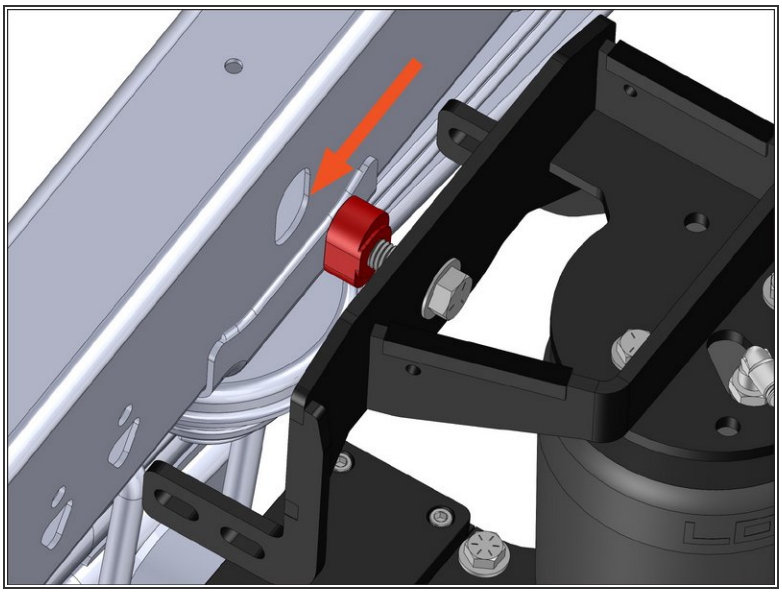
- Note original ride height measurement from center of rear fender arch to ground.
- Safely lift truck and support with jack stands under axle. Remove the rear wheels.

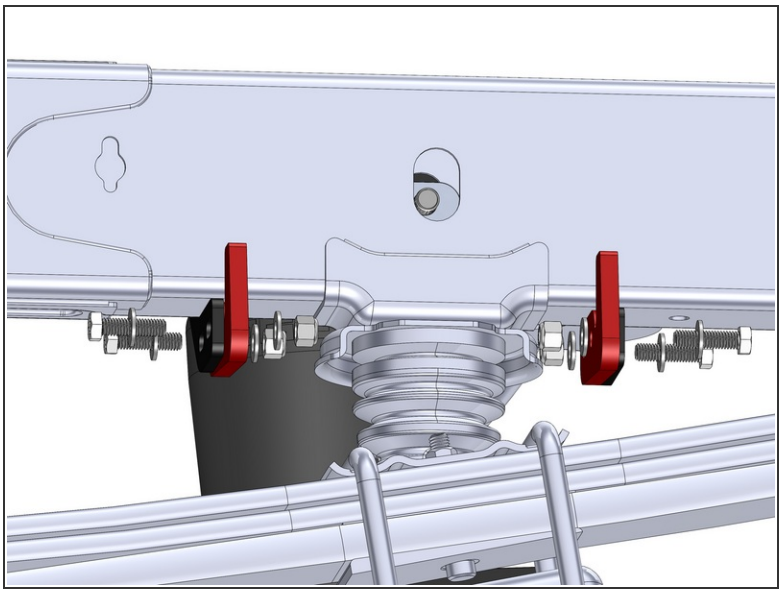
Step 2 — Detach Brake Line Bracket



- Un-bolt the brake line bracket on the driver side to allow for movement. This makes getting the upper bracket of the assembly in place much easier.

Step 3 — Mount Air Spring Assembly



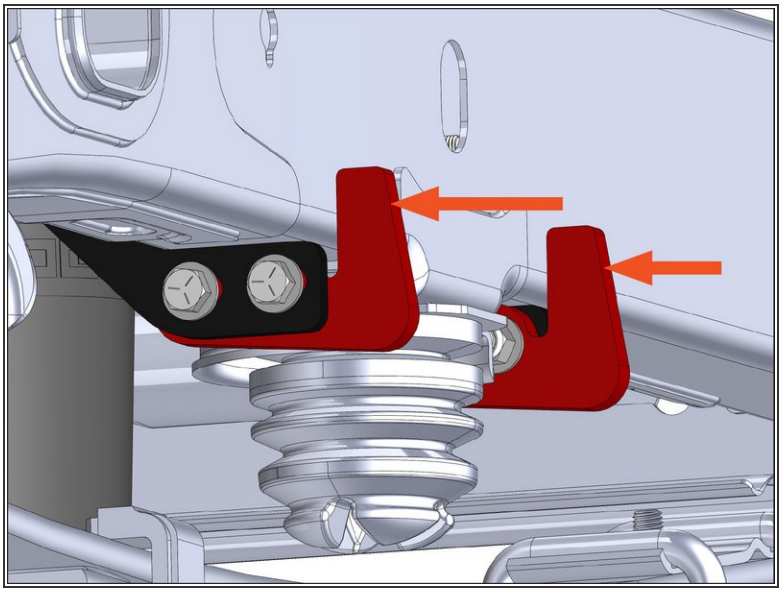


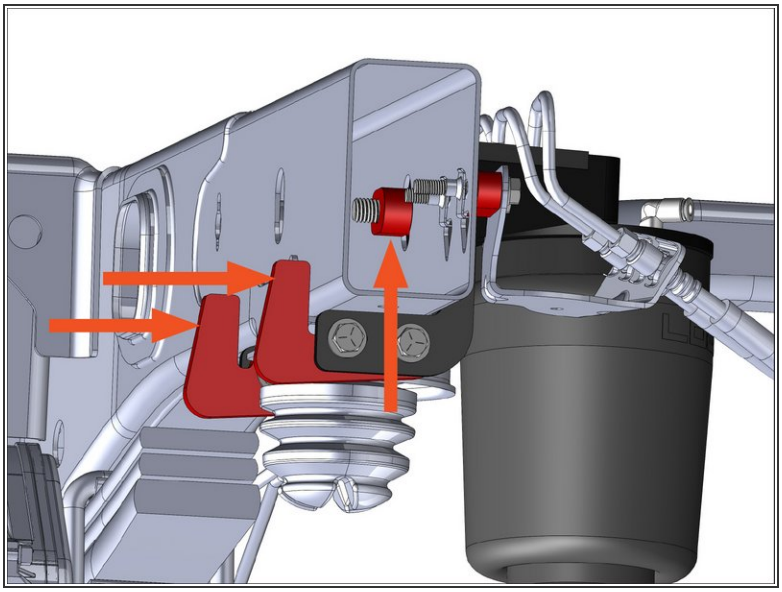
- Insert supplied 1/2" bolt and washer through the hole in the air spring upper bracket and thread on the supplied quarter turn nut. Line up air spring assembly with frame rail and insert quarter turn nut into frame rail hole; snug bolt.

TIP: Get the 1/2" bolt hand tightened as much as you can before using a wrench. Ratcheting closed end wrench recommended for easy tightening.

- Install frame hooks with 3/8" Grade 8 hardware in the correct orientation. (Hooks on inside faces of bracket).
- Repeat for passenger side.

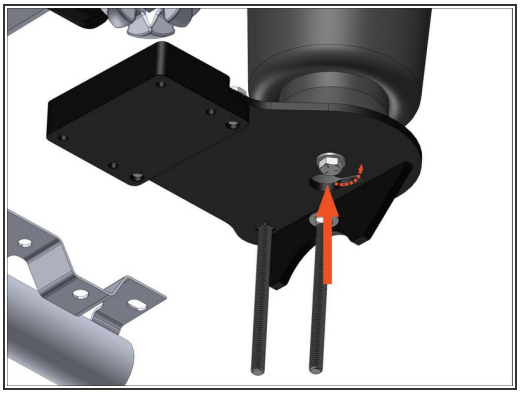
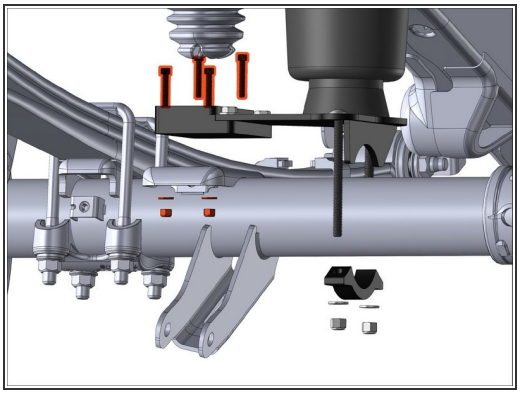
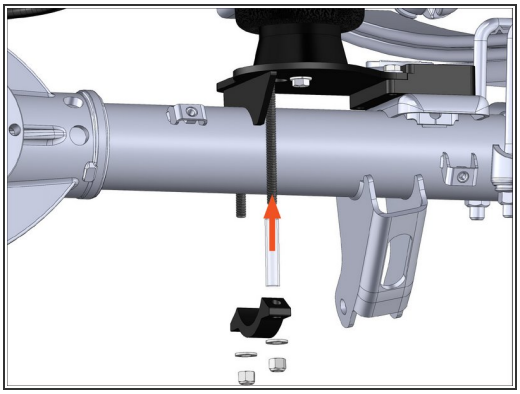
Step 4 — Secure Upper Bracket





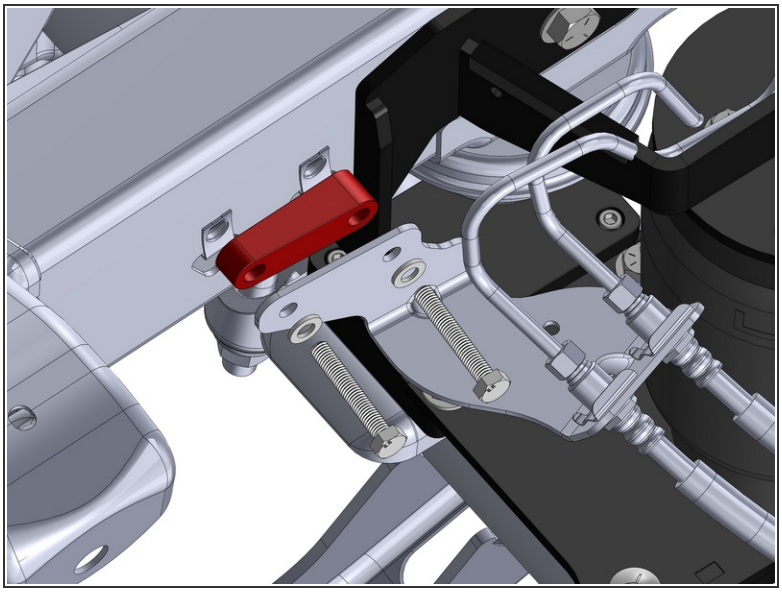
- Make sure the hooks are pushed up against the frame and snug the hardware.
- Check fitment of the quarter turn nut by looking through the other side of the frame hole. The quarter turn nut should be horizontal and seated. Hooks should be tight against the frame rail.

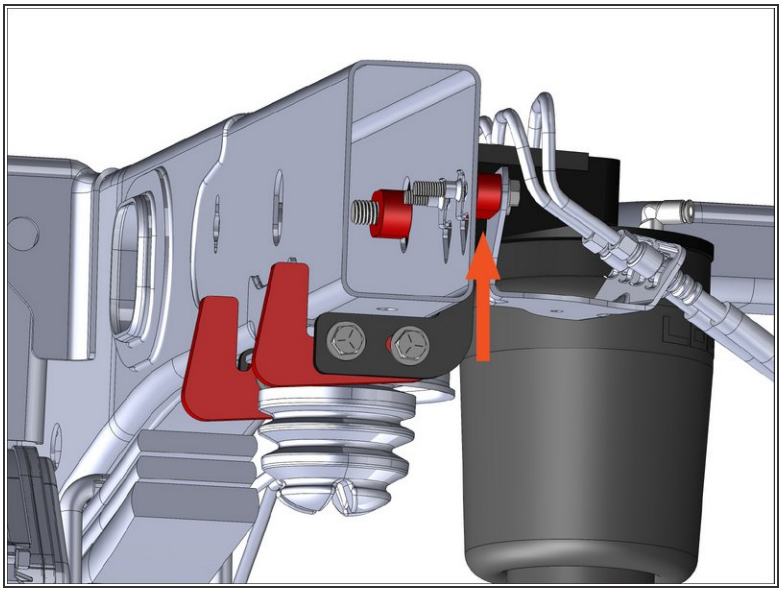
Step 5 — Attach Lower Bracket

- Un-bolt the 3 T40 torx bolts holding the brake line shield to the axle to get clearance for lower bracket installation.
- Install the 3/8" carriage bolts into the holes on the lower bracket, then apply downward force to extend the air springs and bring the lower bracket near the axle.
- Mount the lower bracket to the bump stop pad first using supplied 1/4" hardware. Snug all 4 bolts.
- Slide the provided protective sheathing onto the carriage bolt that is on the side of the axle with the brake hard line.
- Once sheathing is installed, attach the axle clamp. Make sure the carriage bolts are parallel with the lower bracket leg before snugging.
- Repeat for passenger side.

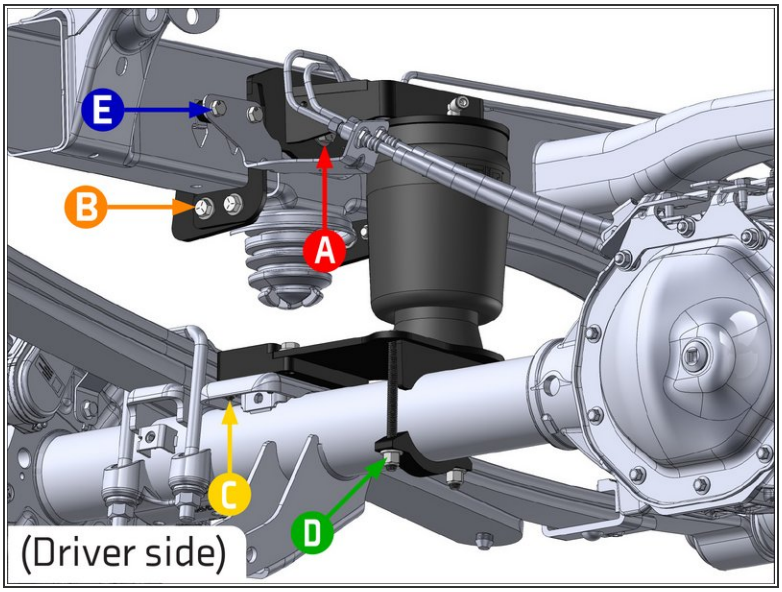
Step 6 — Brake Line Relocation Bracket

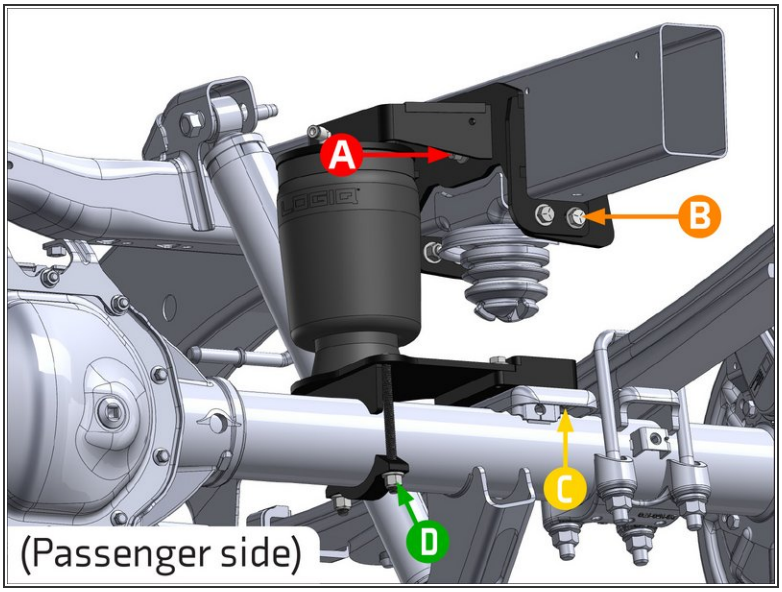




- Install the brake line relocation bracket in orientation shown with supplied M8 bolts and washers.
- Check fitment of the brake line relocation bracket.

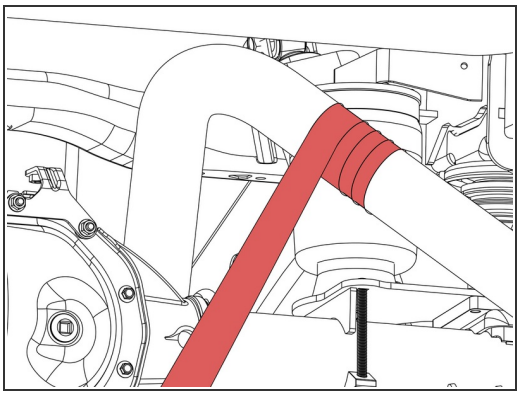
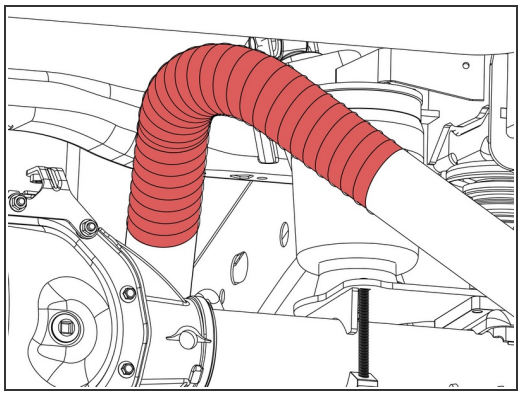
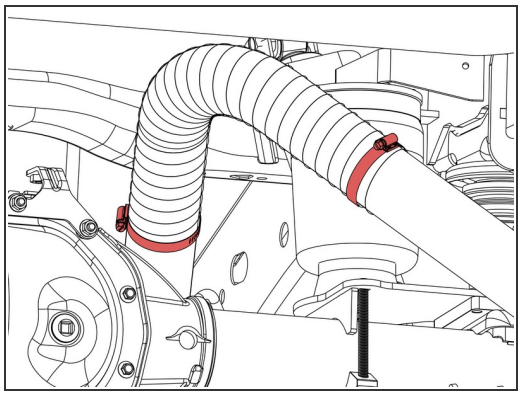
Step 7 — Torque Hardware





- **A:** Torque Upper bracket first. Torque the 1/2" bolt to **75 FT. LB**. using a 3/4" crowsfoot.
- **B:** Torque the 3/8" frame hook hardware to **44 FT. LB.**
- **C:** Torque lower bracket 1/4" hardware to **7 FT. LB.**
- **D:** Torque the 3/8" lower bracket hardware to **20 FT. LB.**
- **E:** Torque the M8 hardware for the brake line bracket to **8 FT. LB.**
- Reinstall the brake line shield to the axle using the factory T40 bolts and torque to **16 FT. LB.**

Step 8 — Apply Heat Wrap

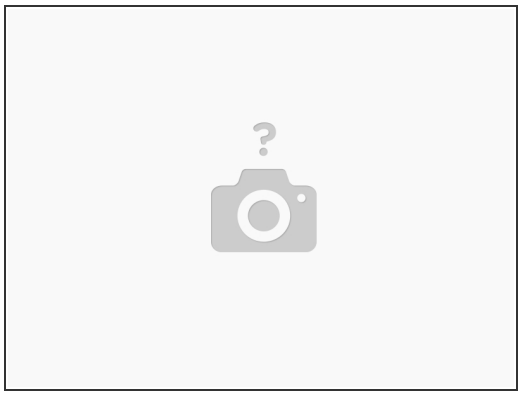




- Begin 12 inches behind the air spring and wrap toward the front of the vehicle.
- Ensure you have overlap that is about half the thickness of the heat wrap like shown.
- Once the **whole roll** has been wrapped onto the exhaust, attach the provided hose clamps to each end of the wrap as shown.

ⓘ Ensure the wrap extends at-least 12 inches in front and behind the air spring (more is better if there is enough wrap).

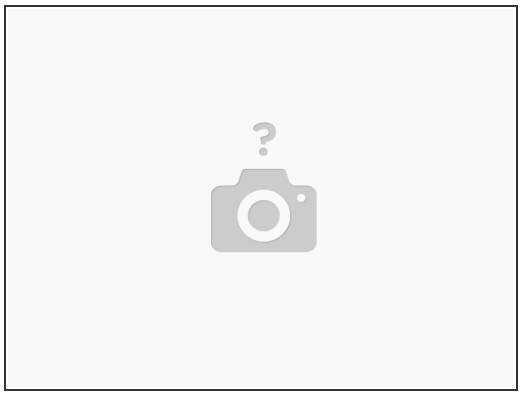
ⓘ Trim any excess clamp stick-out with a pair of metal snips.

Step 9 — Air Line Routing



- When used with an on-board air management system, refer to the on-board air management system installation instructions before routing the air lines.
- When not using an on-board air management system, mount inflation valves at desired location using 5/16" drill bit
- Route air line from each inflation valve to each air fitting on both of the air spring assemblies. **Avoid hot exhaust and sharp edges. Cut air line square and free from burrs with air line cutter or razor blade!**

Step 10 — Final Safety Checks



- Check for leaks at fittings with soapy water.
- Verify all fasteners are torqued properly.
- Verify at least 10 psi in air spring before driving.

Congratulations! You have successfully installed your new ReadyAIR kit!

If you have any questions or concerns, please contact LOGIQ at 800-549-4620.

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