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Rough Country 10100 Installation Instructions

Onboard Air Bag Compressor Kit with Gauge

Part number: 10100

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Scan for fitment, price and install help

10100

ROUGH COUNTRY
SUSPENSION SYSTEMS®

Onboard Air Compressor 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.

TOOLS NEEDED:
Razor Knife
13mm Wrench or Socket



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

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INSTALLATION INSTRUCTONS

For maximum effectiveness and safety, please read these instructions completely before proceeding with installation.

Failure to read these instructions can result in an incorrect installation.

NOTICE:

The installation of this kit does not alter the Gross Vehicle Weight Rating (GVWR) or payload of the vehicle. Check your vehicle's owner's manual and do not exceed the maximum load listed for your vehicle.

Gross Vehicle Weight Rating: The maximum allowable weight of the fully loaded vehicle (including passengers and cargo). This number - along with other weight limits, as well as tire, rim size and inflation pressure data - is shown on the vehicle's Safety Compliance Certification Label.

Payload: The combined, maximum allowable weight of cargo and passengers that the truck is designed to carry. Payload is GVWR minus the Base Curb Weight.

KIT CONTENTS:

Compressor x1
Air Line 20'
Gauge Panel x1
Low Pressure Sensor x2
Wiring Harness w/ Inline Fuse x1
Manual Inflation Valves x2
T-push Fittings x4
Filter x2
Self Tap Bolt x4
6mm Hex Head Bolts x4
6mm Lock Washer x4
6mm Flat Washers x4
6mm Nuts x4

Installation

1. Install the compressor in a dry, moist free environment using the supplied hardware in the (4) mounting bushings.
2. Install the air filter using the supplied line between the filter and the compressor.
3. Locate a solid location inside of the vehicle to mount the Gauge and air bleed panel. Use the supplied hardware through the (2) holes in the top of the panel.
4. Connecting the wiring harness.
5. Connect the ground wire loop to the chassis of the vehicle.
6. Install and wiring of the low presser sensor: Mounting of the sensor will be done after the wiring has been connected.
7. Direct the fused red power wire to the positive post of the battery . **Do not connect at this time**.
8. Connect the male connector to the bottom lead of the gauge panel switch.
9. Next In the line of connectors on the fused power wire, connect the last connector to the bottom lead (closest to the fittings) on the pressure switch.
10. Connect the remaining power harness to the top lead on the gauge panel and the top lead on the low pressure sensor. Then connect the red power wire to the compressor.
11. Connecting the air lines: All air lines must be cut using a sharp razor blade or air line cutter. Air lines must not be jagged to achieve a good seal.
12. Following the diagram for air line installation.
13. Install air line from the compressor to the supplied T-fittings.
14. Out of the T-fitting to the pressure switch. Then follow through to the bleed valve mounted in the gauge panel.
15. Mount the low pressure sensor to a safe location away from a heat source or the wiring and air lines do not get pinched.
16. Route air line from the first T-fitting to the rear of the vehicle.
17. Install a T-fitting onto air line in the rear to supply air to the previously installed air bag kit.
18. Install air line to supply air to the driver and passengers side air bags. Then install T-fittings on each line.
19. Install air line to the air bag from the T-fitting.
20. Install the inflation valve fittings into the license plate mount or your desired location.
21. From the T-fittings route air line from the air bag T to the inflation valve fittings.
22. With the gauge panel switch in the off position, connect the fused red power wire to the positive battery post.
23. Turn the switch in the on position turning the compressor on, filling the bags with air.
24. When the compressor shuts off check that all fittings have no leaks and are attached to the chassis of the vehicle away from any heat or sharp objects that could damage any wiring or air lines.

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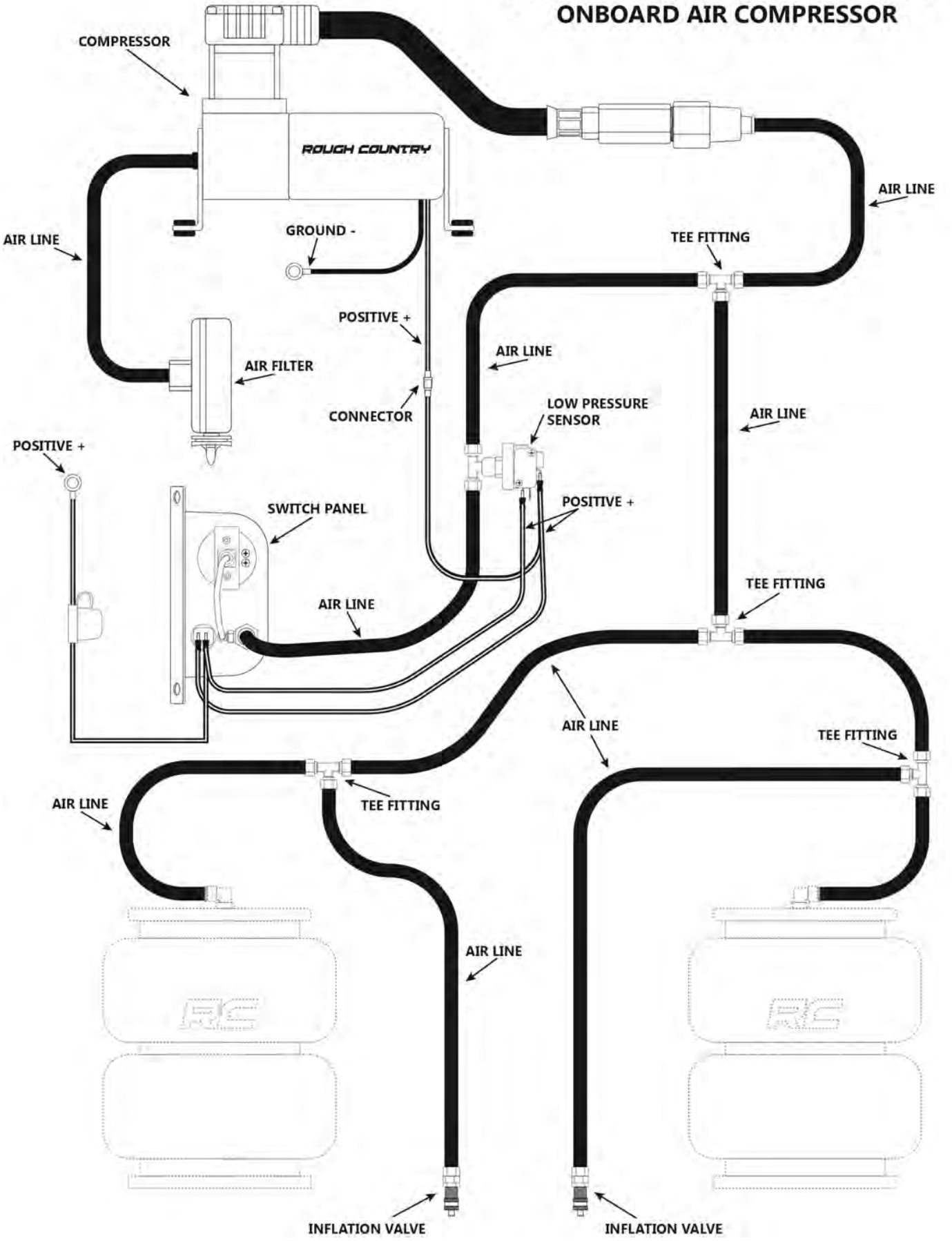
ONBOARD AIR COMPRESSOR





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