

ROUGH COUNTRY

SUSPENSION SYSTEMS

Rough Country Wireless Bluetooth Air Bag Controller

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:

Control Module x1
Wireless Remote X1
Controller Harness x1

TOOLS NEEDED:

Air Line Cutter (Included)
5/16" Socket
Ratchet
Wire Crimp Tool

HARDWARE INCLUDED:

Control Box Mounting Screws X3
Mini Fused Wire Tap x1
Micro Fused Wire Tap x1
Butt Connectors X2



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
Refer to the diagram on next page

1. Check to make sure all components are included.
2. Identify a safe location to install the compressor controller that is away from high heat sources and hazards. Also identify any wires or lines that are in that area. Take care not to damage those wires or lines. The controller can be installed either underneath or in the interior of the vehicle. Normally the controller is installed underneath the vehicle in close proximity to the compressor.
3. After a safe location has been identified, place the controller in that location with the exhaust port flat or downward to ensure moisture does not enter the controller.
4. Install the self tapping screws using a 5/16 socket to secure the controller to the mounting location.
5. Route the compressor air line to the controller taking care not to damage the air line. If needed and using the supplied cutter in the kit, trim the brake lines to allow for installation.
6. Route the air bag lines to the two ports on the controller. One will be for the driver side and one for the passenger side. Trim air line as needed to complete installation.
7. Connect the harness to the controller and ensure the harness is locked into place.
8. Using the diagram on the next page, wire the controller to the positive wire, ground, 12 volt switched and to the compressor trigger wire. Make sure all connections are secure and protected. Fuse taps are included for use with the 12 volt switched wire to help with this installation.
9. Power on the controller by turning on the vehicle and refer to the Hand held controller instructions in this manual to operate the wireless controller and download the app for the platform needed. IOS and Android QR code is supplied in this instruction sheet.

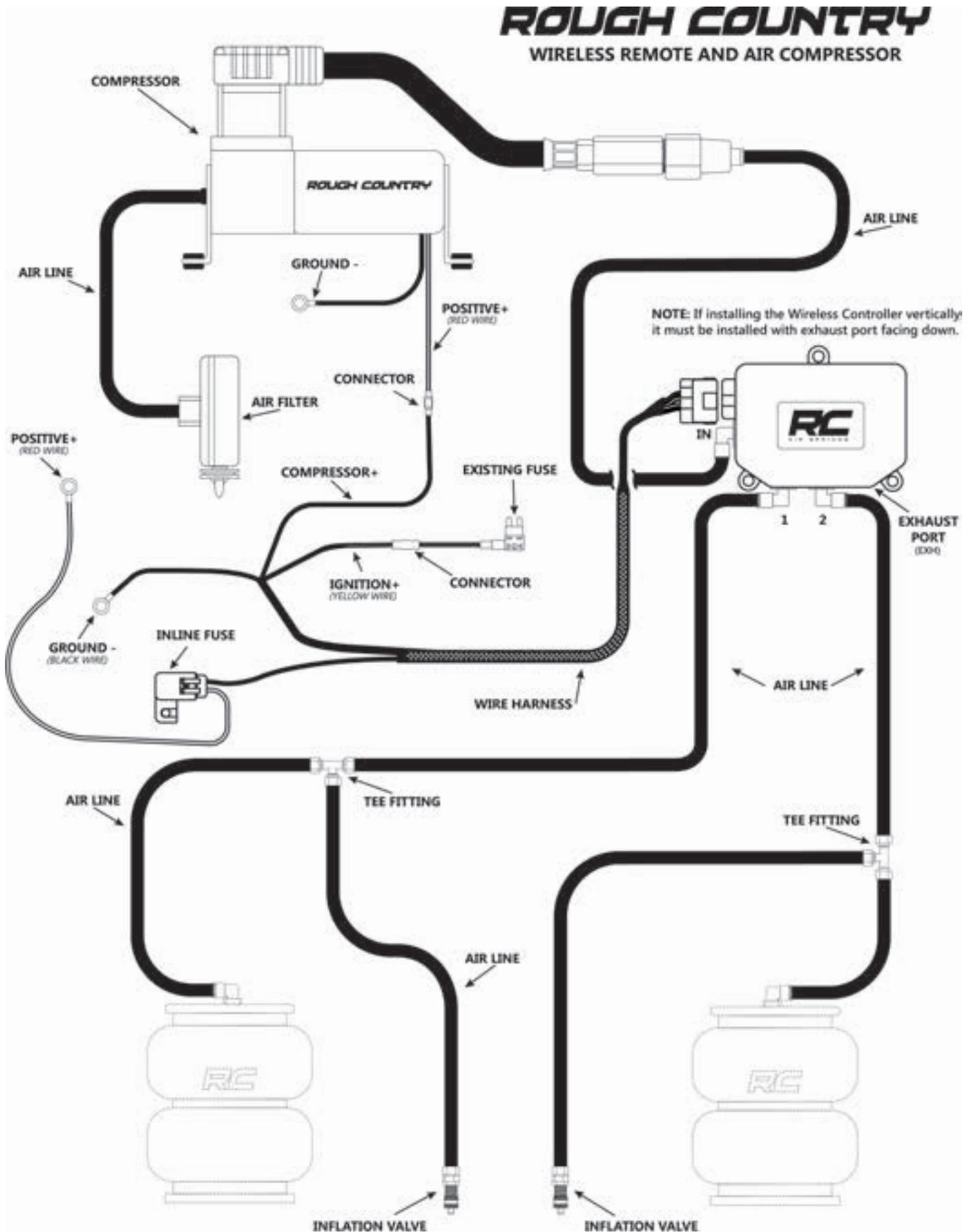
Important Note:

PSI range is 5-125 psi with 125 being the max pressure. Inflating system to over 125PSI is not recommended and could result in damage to the kit. Minimum PSI using the RC Compressor kit is 5PSI and the kit will automatically ensure that the bags are kept at proper minimum PSI to ensure optimum air bag life. Use of the kit with no pressure or non recommended pressure could cause damage to the air bag units.



Wireless Controller Diagram

Note: The wireless controller will need to be orientated for install with the exhaust port on the side of the unit pointed down or flat. **DO NOT** install on vehicle with the port up as moisture will enter the controller and potentially cause harm to the internal assembly of the unit.



Wireless Controller User Instructions

After completing the installation of the compressor and the manifold, You can enter pairing mode through the wireless-controller

Once a device is paired. It will automatically connect if no other device is already connected. The control pad will go into sleep mode after 40 seconds. At which time it will disconnect from the system



Press any button to wake up the wireless-controller. The display should show Connected. If not then please connect the controller using the Instructions below.

A screenshot of the Settings menu on the wireless controller. The menu items are listed vertically: "1 First Preset", "2 Second Preset", "3 Units", and "4 Mode".

1 First Preset
2 Second Preset
3 Units
4 Mode

Holding down the  key for 2 seconds will enter the Settings interface

A screenshot of the Settings menu on the wireless controller. The menu items are: "5 Language", "6 Search", "7 About", and "8 Exit". The "6 Search" option is highlighted with a black background.

5 Language
6 Search
7 About
8 Exit

Press  and  key to move the cursor up and down and move to the "Search" option. Press the  key to select the option.

A screenshot of the device search list on the wireless controller. The list has four entries, each with a number on the left: "5 RC_XXXX", "6", "7", and "8". The "5 RC_XXXX" entry is highlighted with a black background.

5 RC_XXXX
6
7
8

The Wireless- controller will automatically search for nearby devices and display the device name in the list. Press the  key to Confirm the device name

A screenshot of the Settings menu on the wireless controller. The menu items are: "5 Language", "6 Search", "7 About", and "8 Exit". The "8 Exit" option is highlighted with a black background.

5 Language
6 Search
7 About
8 Exit

Press  key to move the cursor down. and move to the "Exit" option, Press the  key to exit the setting interface

Wireless Controller User Instructions



| Status Display | meaning |
|----------------|--|
| R | Function is normal, waiting for work order |
| | Unit is working, CH-1/CH-2 is inflating |
| | Unit is working, CH-1/CH-2 is deflating |

| Main Menu | Data | Default |
|---------------|-------------|------------------|
| First Preset | ----- | CH 1: 30 CH 2:30 |
| Second Preset | ----- | CH 1: 50 CH 2:50 |
| Units | PSI/Bar | ----- |
| Mode | Single/Dual | |
| Language | English | English |
| Search | ----- | ----- |
| About | ----- | ----- |
| Exit | ----- | ----- |

Wireless Controller Operating Instructions



Confirm CH-1/CH-2 on the screen to confirm whether the current status is Channel 1 or Channel 2. The status shown in the figure is Channel 1 in the status shown in the figure.

Press the  key to increase Channel 1 pressure . Press the  key to decrease Channel 1 pressure.



Press the  key to switch from Channel 1 to Channel 2 as shown in the figure.

Confirm CH-1/CH-2 on the screen to confirm whether the current status is Channel 1 or Channel 2. The status shown in the figure is Channel 2 in the status shown in the figure.

Press the  key to increase Channel 2 pressure . Press the  key to decrease Channel 2 pressure.

Controller Settings



Holding down the **S** key for 2S , Enter the setting interface. In the setting interface, Press **↑** and **↓** key to move the cursor up and down. Press the **S** key to select the option.



On the First Preset interface, Press **↑** and **↓** key to change the Preset PSI, and Press **1** and **2** key to change the CH1/CH2.



Press **↓** key to move the cursor down. and move to the "8 Exit " option, Press **S** the key to exit the setting interface.

Battery Replacement Instructions



Remove the two screws on the back of the wireless-controller with a Phillips screwdriver to access the batteries



Install qty 2 of the CR2032 batteries as shown. Pay attention to the positive and negative terminals of the battery.



Re-install the back cover to the wireless-controller and tighten the screws with screwdriver. Do not over tighten the screws.

App Download

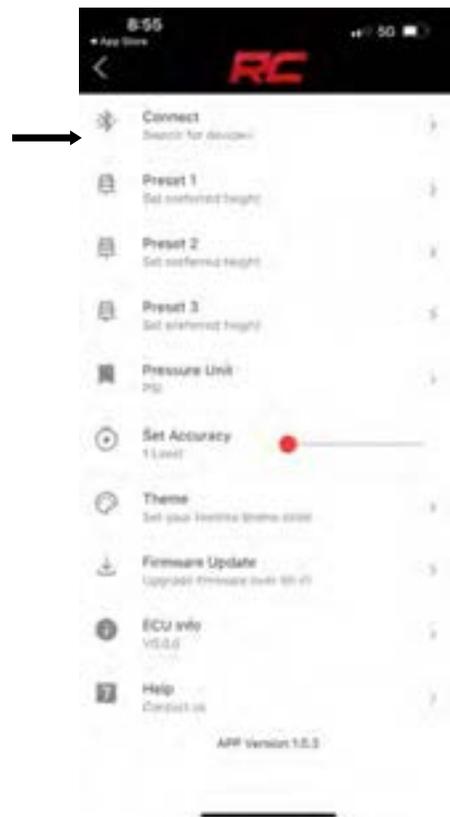
- Download RC Connect App for IOS and Android devices



Download QR Code

Connecting to the App

- Download and access the RC Connect App.
 - Open the RC Connect App
 - Access the setting menu and Select connect
- Connect with the RC Bluetooth Controller and close the menu
 - You can now control the unit with a mobile device



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