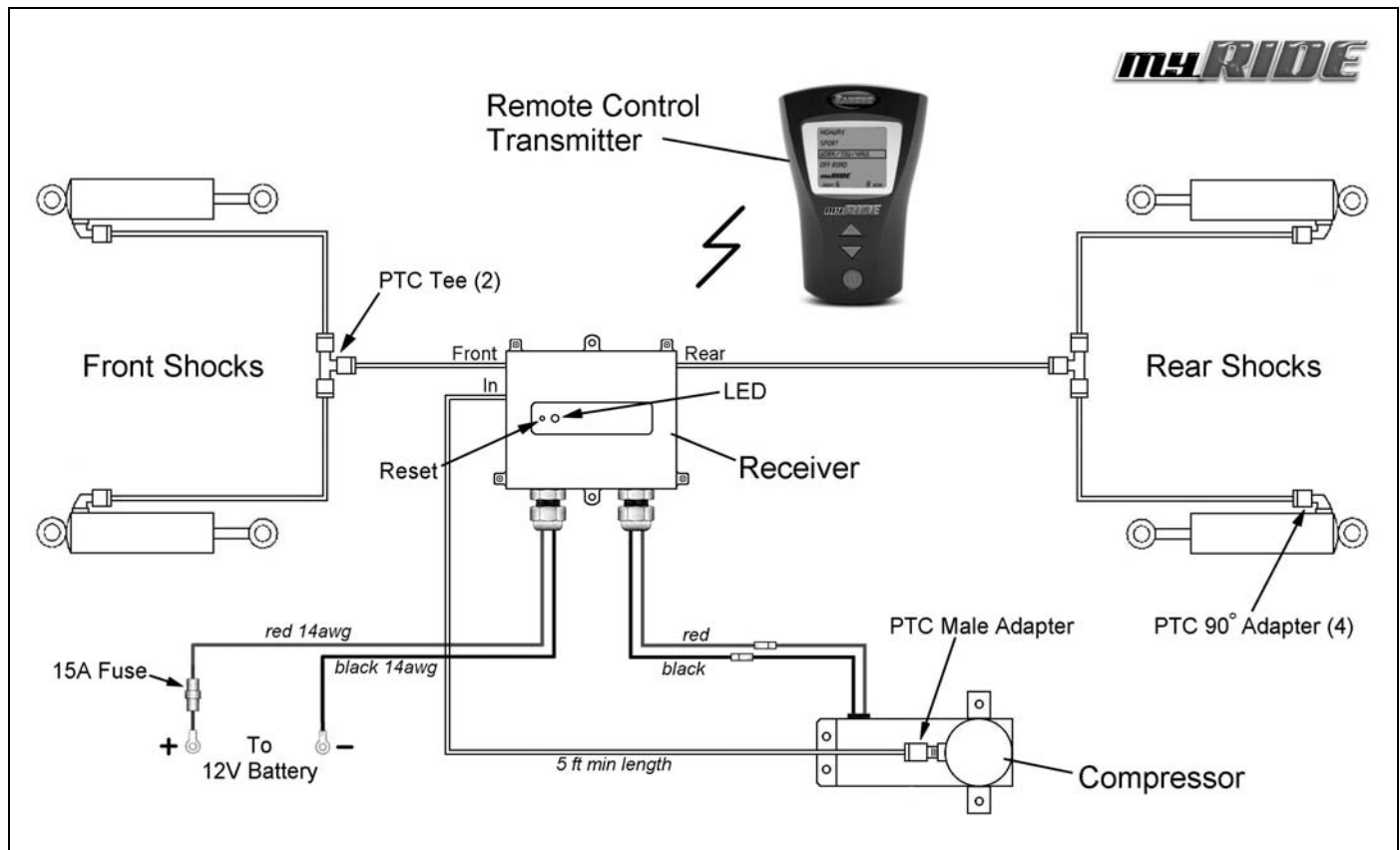


WIRELESS REMOTE CONTROL DAMPING SYSTEM

READ INSTRUCTION THOROUGHLY FROM START TO FINISH BEFORE BEGINNING INSTALLATION

RS999705 Assembly Diagram

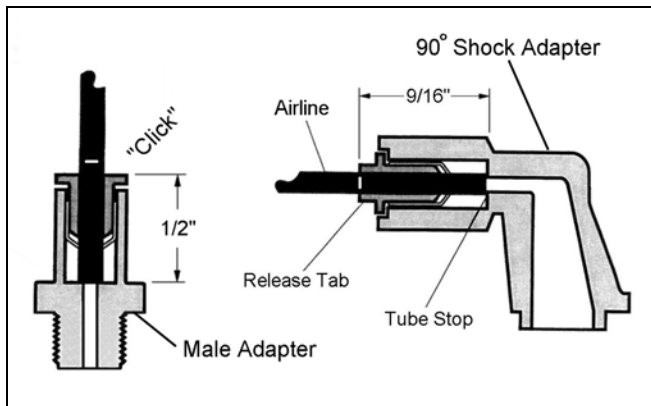


Parts List

P/N	Description	Qty.	P/N	Description	Qty.
96111	Tire Wrap Kit	1	96382	Compressor Kit	1
	Black Tie Wrap	30	96351	Compressor Assembly	1
96364	Shock Adapter Kit	1	DNX18003	Tubing Cutter	1
96303	Push-to-connect 90° Adapter	4	96383	Air Line Tubing, 70 ft.	1
	O-ring	4	96390	Receiver/Transmitter Kit	1
	Gasket	4	96387	Receiver	1
96381	Hardware Kit	1	96388	Remote Control Transmitter	1
96301	Push-To-Connect Tee	2	96389	AAA Batteries, 3 Pack	1
96385	Female Bullet Connector	1	96399	Instructions	1
96386	Push-To-Connect male Adapter	1	96399-1	Quick Reference Guide	1
	15 Amp Fuse	1			
	Allen Wrench	1			
	10-24 x 1.25 HHSTS	8			

IMPORTANT NOTES!

- A. Refer to your owner's manual for proper vehicle lifting techniques. Never work under a vehicle that is not supported by jack stands.
- B. Always disconnect battery before working on the electrical system.
- C. The receiver and air compressor can be mounted in other locations besides the engine compartment. Choose a high and dry location that best fits your application. If extra wire is needed, splice 14awg only. The compressor can also be mounted in any position but should be located near the receiver.
- D. Route all wires and air lines away from hot or sharp objects. Do not allow air line to kink, bind or make contact with moving components. Turn the wheels completely left and right to verify clearance. Inspect the air lines before and after lowering the vehicle to the ground.
- E. Dipping the end of the air line tubing in clean motor oil before insertion will improve the seal. **The air line tubing must be inserted 9/16" for the shock adapter and 1/2" for the tee and male adapter.** Cut tubing on white marks (9/16" apart) to help with the insertion depth. Push-to-connect fittings will "click" when the tubing is fully inserted. See Illustration 1.



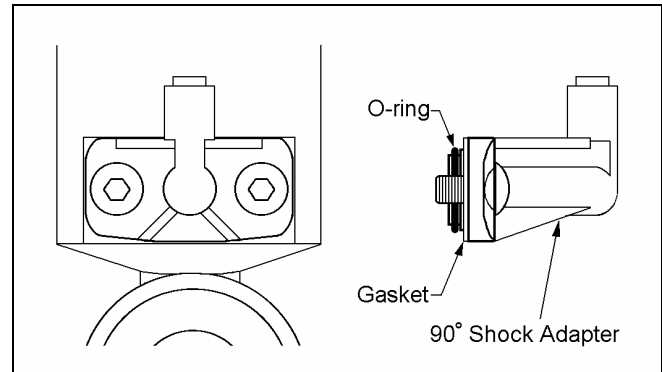
Illus. 1

- F. To remove the air line tubing, deflate system, push down on quick release tab and pull line. Trim air line 9/16" with supplied tube cutter before reinstalling. Do not remove airline while system is pressurized.

INSTALLATION:

1. Thread PTC male adapter into compressor outlet. **Do not over tighten.** Install female bullet connector on compressor black wire.
2. Pick a location inside the engine compartment to mount the receiver and compressor, usually on the same side as the vehicle battery. Refer to "Important Notes".
3. Using the receiver and compressor as templates, mark and center punch the mounting hole locations. Drill the appropriate hole at each location.

4. Attach the receiver and compressor with the supplied hardware. Use rubber isolators on the compressor to reduce vibration.
5. Connect the electrical wires from the compressor to the matching wires on the receiver. Refer to assembly diagram. Do not connect battery wires at this time.
6. Turn the adjuster knob on each RS9000X shock to position 1 then remove the adjuster assemblies. Save screws for reuse. Remove any gasket material left on shocks.
7. Install gasket and slide o-ring on 90° shock adapter. See illustration 2. Coat the o-ring with oil or lithium grease.



Illus. 2

8. Using the supplied allen wrench, carefully attach the adapter assembly to the shock with the original screws. Tighten screws evenly. **Do not over tighten.**
9. Repeat steps 6 through 8 to install the rest of the 90° adapters.
10. Using the supplied tube cutter, cut two pieces of air line tubing and connect the front shocks together with a push-to-connect (PTC) tee. Refer to assembly diagram and Important Notes.

NOTE: Before cutting the air line tubing, add an additional 8 inches to allow for suspension movement. Cuts must be clean and square, please use the supplied tube cutter only.

11. Repeat step 10 to connect the rear shocks together.
12. Measure and cut air line tubing to connect the front and rear shocks to the receiver. Refer to assembly diagram. Secure tubing with tie wraps.
13. Cut 5 feet of air line tubing. Coil the air line (if necessary) and connect the compressor to the receiver inlet.
14. Attach the red wire from the receiver to the positive battery post. Attach the black wire to the negative battery post.
15. Install batteries in the remote transmitter. The transmitter automatically performs a self-diagnosis and scrolls through the settings. Once completed, the **myRIDE** setting is selected and shock damping is set to a minimum.

OPERATION:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

If display is blank, push set button to activate.

To adjust shock absorbers to a preset setting:

- Push the up or down arrow until the desired preset is selected.
- Push set button once to accept. The selection flashes and the compressor starts and stops automatically.

To adjust shock absorbers to a custom setting:

- Push the down arrow until *myRIDE* is selected.
- Push set button once to select the front shocks.
- Push up arrow to increase stiffness or down arrow to decrease stiffness.
- Once the desired ride control is reached, push set button to accept. Rear shocks are automatically selected.
- Push up arrow to increase stiffness and down arrow to decrease stiffness.
- Once the desired ride control is reached, push set button to accept. The selection flashes and the compressor starts and stops automatically.

NOTE: Allow the display to stop flashing before making another selection. If too many selections are made, an error may occur ("E" on the display). Push set button to restart.



Rancho Industries U.S.A. Limited Warranty

RS9000 RCX Remote Control

The RS9000 RCX Remote Control (RS99701) is limited to a 2-year, 24,000 mile warranty. Tenneco Automotive warrants each new RS9000 RCX Remote Control system against factory defects in material and workmanship (except for finish, including the shock boot) for the first to occur of 2 years or 24,000 miles after the date of purchase.

For more warranty information or technical assistance, visit our website at www.gorancho.com or call 1-734-384-7804.

TROUBLESHOOTING GUIDE

Tool List

- Spray bottle containing a 20% soapy water solution
- Plumber grade Teflon tape or thread sealant
- Allen wrench (supplied with kit)
- Small container with 1 ounce of clean motor oil
- Flashlight
- Air line cutter (supplied with kit)
- 12vdc circuit tester

Transmitter, Receiver & Compressor

Check batteries in remote control transmitter. Check inline fuse. Check wire connections at 12V battery. Check wire connections between receiver and compressor. To reset the receiver, push reset button until solid green light appears. To reconnect receiver to transmitter, push reset button until flashing green light appears.

Leak Detection

Pressurize system to nine. Spray air line connections and adapters with soapy water until the leak is found (escaping bubbles). See illustrations below. **DO NOT SPRAY ELECTRICAL COMPONENTS.** When leak is detected, release pressure and follow system chart.

System Chart

Leak Location	Possible Source	Corrective Action
Compressor outlet	<ul style="list-style-type: none"> • Loose fitting • Thread seal 	<ul style="list-style-type: none"> • Tighten fitting. Do not over tighten • Remove fitting, clean and install Teflon tape or thread sealant
Air line connection at push-to-connect adapters and fittings. See illustrations below.	<ul style="list-style-type: none"> • Damaged air line end • Air line not fully inserted/seated • O-ring seal inside push-to-connect fitting 	<ul style="list-style-type: none"> • Re-cut end of air line with supplied air line cutter. Line must be re-cut every time it is removed. • Push air line into shock adapter 9/16" Push air line into male adapter and tee fitting 1/2". See Important Notes. • Install two drops of oil into fitting or dip end of air line in oil
Mounting surface of 90° shock adapter	<ul style="list-style-type: none"> • Misaligned or damaged o-ring. Refer to illustration 2 	<ul style="list-style-type: none"> • Reinstall or replace o-ring. Coat o-ring with oil or grease

