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Installation Instructions for the **REK-203** suspension ride enhancement kit.

While this kit will fit any Roadmaster R4R or RR4R chassis there may be slight variations from these instructions do to numerous slight changes through the model years

- **Step 1.** Raise the coach up 6-10" and place jack stands under the front and rear. Remove the rear air-bags and shocks, cut the 1/4" air lines attached to the top of the bags as close as possible to the fitting and ensure the cut is square and the end of the hose is free of paint, undercoat, and road tar etc. (Figure 1)



Figure 1

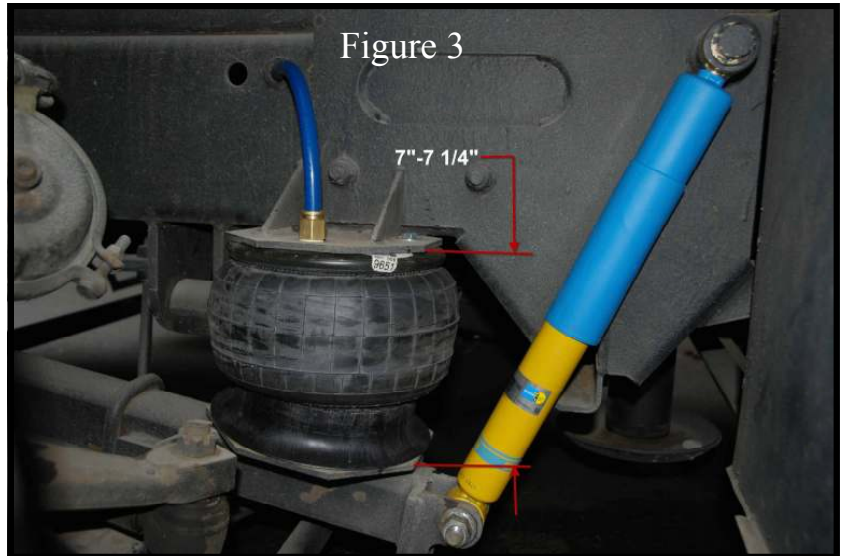
- **Step 2.** Identify the rear air-bag by the 1/4" NPT fitting (bag with the aluminum base), orient the piston to match the original air-bag and tighten the 1/2" nut to lock the piston in place. Install the supplied 1/4" X 1/4" push fittings into the bags and re-install the new air-bags and push the 1/4" air hose all the way into the fitting. Install the rear shocks part # BE5-A975-HO Custom. (Figure 2)

The Front shocks are part# 24-1952-63

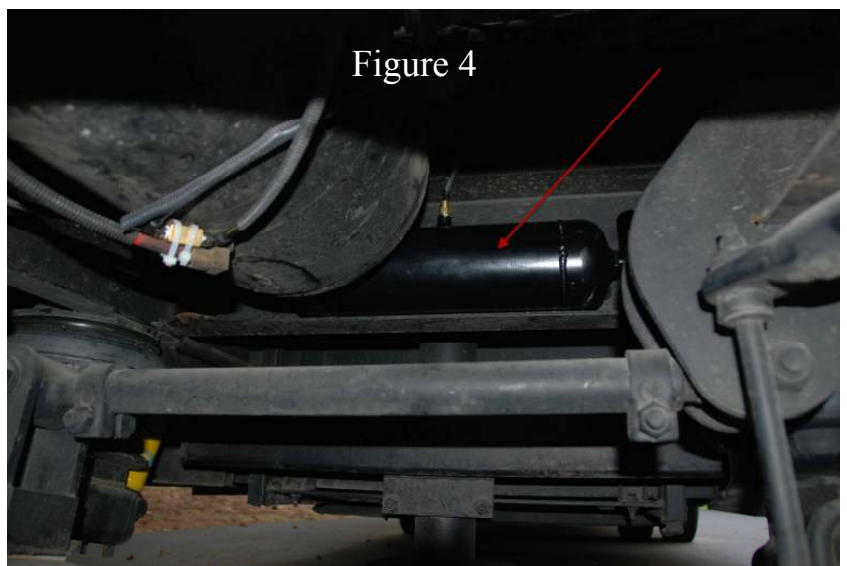


Figure 2

- **Step 3.** Remove the front air-bags and replace with the new ones supplied in the kit, do not tighten the top bolts on the new bags until the large fitting is installed this must be done **AFTER** the bag is in place as the fitting will not go through the hole in the upper bag plate. (Figure 3)

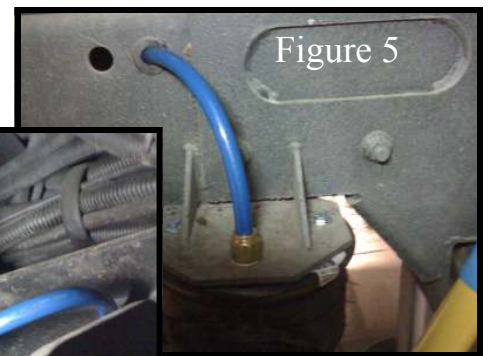


- **Step 4.** The ping tank (Figure 4) will be mounted to the front cross member directly aft of the front air tank using the clamp bar included in the kit. The tank can be mounted on the front or rear of the cross member depending on available space. Install the 90 degree fittings in each end of the tank (do not over tighten as the orientation may need to be adjusted) the fittings should be pointed toward the front of the coach. Install the 1/4" fitting in the tank and tighten. The tank can now be attached to the cross member using the clamp bar on the opposite side of the cross member from the tank.



- **Step 5.** Some chassis use a height control valve that has 2 outlets while others have a single outlet with a "T" to supply air to both bags, only 1 outlet will be needed. The other will need to be capped off using the supplied fitting. Next identify the 1/4" air hose that runs from the air-bag circuit to the dump valve located on the firewall and cut off as close to the air-bag as possible. Use the supplied "push to connect T" and 1/4" air hose to connect the dump valve line, the ping tank inlet and the height control valve outlet all together and secure the lines with tie straps.

- **Step 6.** Connect the ping tank and the air-bags using the 5/8" orange (depicted as BLUE) hose. This hose can be run through the frame using existing holes or under the frame depending the fit. Trim the hose if necessary to achieve proper routing. (Figures 5 and 6)



- **Step 7.** Remove the jack stands and let the coach down, start the engine and allow the air system to come up to pressure then check for leaks. Check the ride height measured **BETWEEN** the upper and lower steel bag mounting plates, the front should be set to 7"- 7 1/4" and the rear should be 8 1/2" – 8 3/4"
- For questions regarding installation please call 541-343-0293