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Installation Instructions for the REK-204

Suspension Ride Enhancement Kit.

While this kit will fit any Roadmaster Vesta/Trip 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, (bags with 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-H307-MO. (Figure 2)

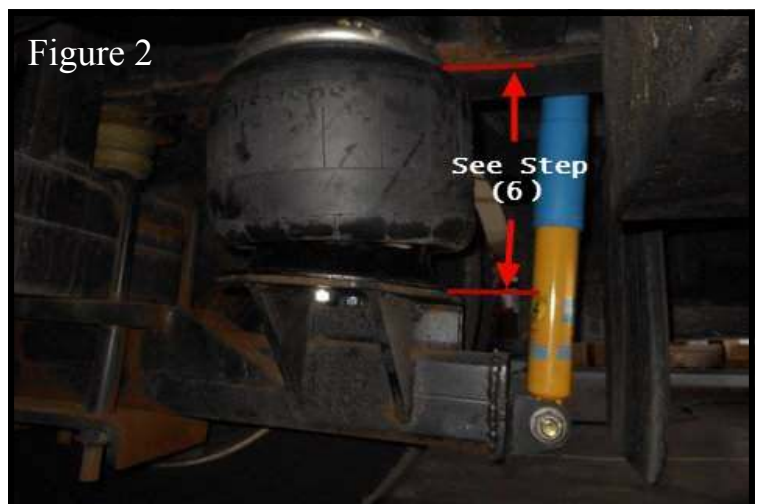
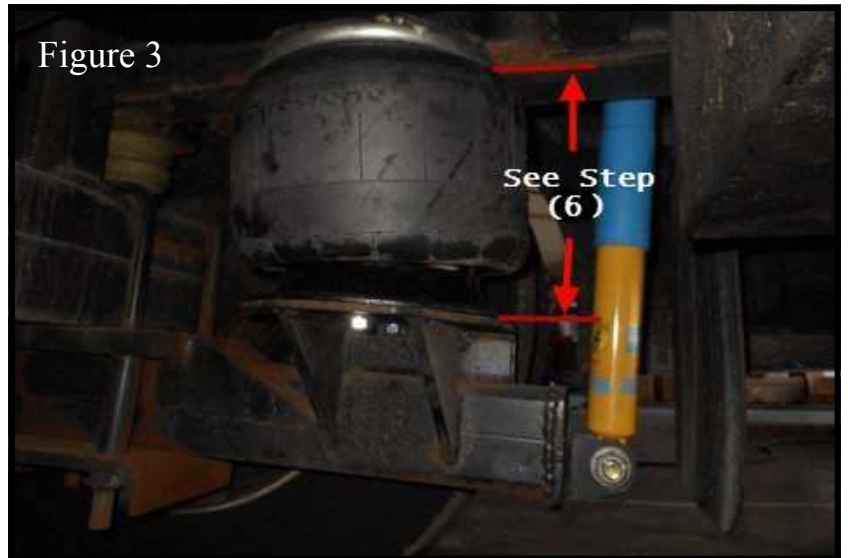


Figure 2

- **Step 3.** Remove 3/8" fitting in the top of the OEM air bag, as they will be re-used. 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 pass through the hole in the upper air bag plate. (Figure 3)



- **Step 4.** The ping tank (Figure 4) will be mounted directly to the floor joist structural cross member, this will be for both sides (DS, PS) aft of the front axle. Install the 90 degree fittings in one 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, and install the supplied plug in the opposite end. Pre-drill mounting screw holes by using 5/16" drill bit, there by utilizing the supplied 3/8"x1"bolts to mount tank. (See figure 4). Utilize the OEM 3/8" air fitting out of air bag, thread into the middle of the ping tank. Then install source engineering platinum shock, part number 24-1952-63(frt) and connect 3/8" hose to each ping tank.



- **Step 5.** Connect the ping tank and the air-bags using the 5/8" orange hose. Trim the hose if necessary to achieve proper routing. (See figure 4, depicted as Green) Note: cut all air lines clean and square, and should be cleaned with soap and water.
- **Step 6.** 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 1/2"-8" and the rear should be 8 1/4" – 8 1/2". This should be measured at the center of the bag plates, because of the angle of the bag plate

*Note: On some Vesta units the rear air bag fitting was installed with a 3/8" fitting rather than a 1/4" fitting, as supplied with kit. Use the stock 3/8" fitting from the OEM air bag.

*Note: These fittings are DOT air brake fittings and are designed to be re-used