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KLM 15834



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2008 Ford F-250, 350, 450

2-Bag Rear

Installation Instructions



Installation

1. Place the truck on a flat surface and chock the front wheels. Jack up the rear of the truck so the rear wheels are about 1/4" off the ground. Place a jack stand under each side of the frame in front of the rear wheels.
2. Remove the spare tire. Next unhook the wires that go to the license plate light and to the rear back up sensors (if the truck has them). Also remove the trailer hitch wiring harness from the trailer hitch. Remove the two bolts in each side of the frame that hold the bumper bracket and bumper in place. Remove the bumper.
3. Remove the bolts that hold the trailer hitch in place and remove the lower shackle bolt. Next use a torch, plasma cutter or rivet buster to break the rivet heads off the factory shackle hanger.



4. Locate the upper bag framework. Slide the framework in place where the factory hitch originally set. You can use the factory bolts to fasten it in place. **(1.1)**
5. Locate the air bags. The F-450 pickup used the 5768 bags. The F-250/350 uses the 5323 bags. Use the 3/4" jam nut and lock washer, and the 1/2" nut and lock washer to fasten the bags in place. If you are installing a self leveling kit, install the height control bracket on the drivers side at this time. Install the 1/4" air line fitting in the air bag port at this time. **(1.2) (1.6)**
6. Locate the lower swing arm. It connects to the upper framework with the 5/8" x 5" 1/2" bolts. Use a flat washer on each end of the bolt. Connect the air bags to the swing arm. The F-250/350 uses a 1/2" x 5 1/2" bolt with lock washer while the F-450 uses the 1/2" x 4" bolt. **(1.3)**

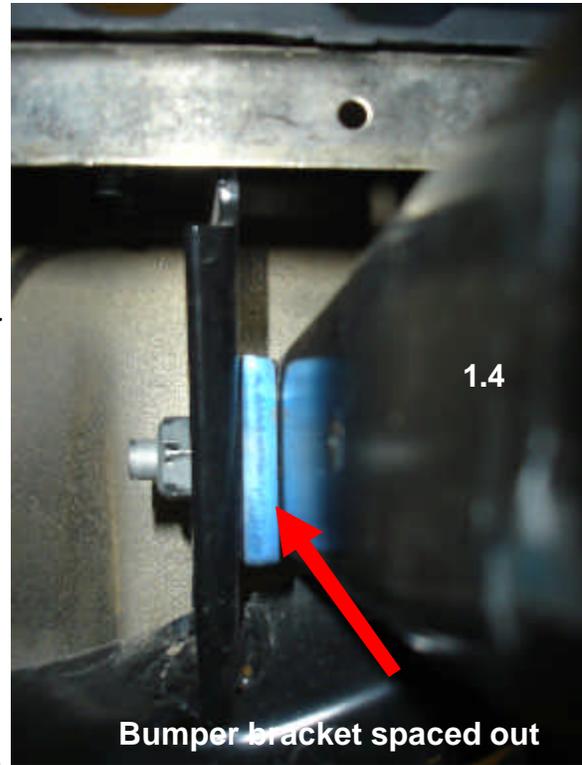
7. Locate the factory shackle bolt and connect the swing arm to the leaf spring shackle. **(1.3)**
8. Remove the bumper from the bumper bracket. It will need to be spaced $\frac{3}{8}$ " out in order to line up since the other end of the bracket that originally went against the frame will now go against the $\frac{3}{8}$ " plate on the air ride upper framework. Use the supplied spacers or washers to space it out. **(1.4)**

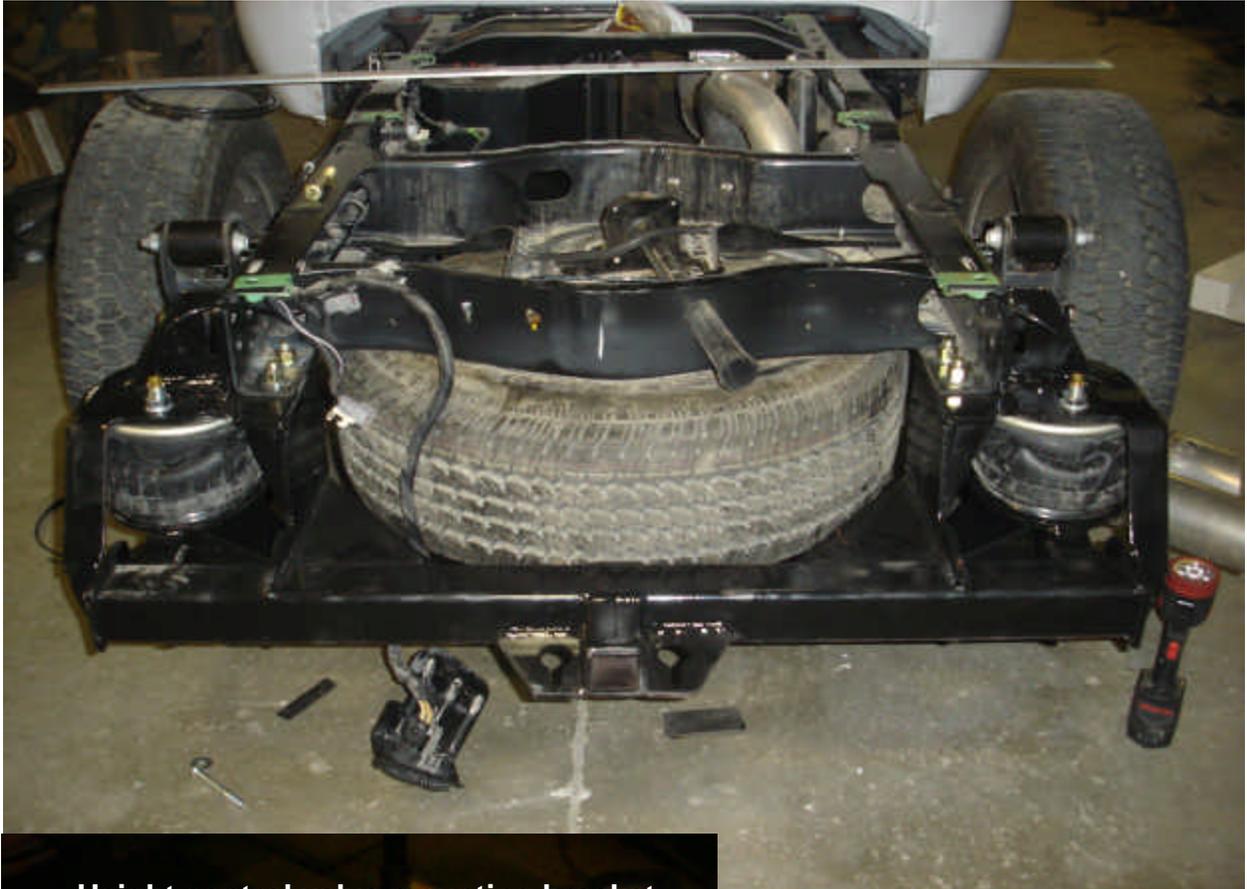


9. Reinstall the rear bumper. Use the $\frac{7}{16} \times 2$ " bolts. The mounting bracket slides above the air ride framework and in between the gusset plate. **(1.5)**
10. On the F-450 trucks, remove the rear overload pads from the frame. Remove the rubber pad from the steel bracket and install it on the new overload bracket supplied with the kit. Use the same factory bolts to reinstall the new overload pads. They are taller than the originals, which will keep the overload spring from beating against the overload pad when the truck is empty, which would be detrimental to the ride quality.

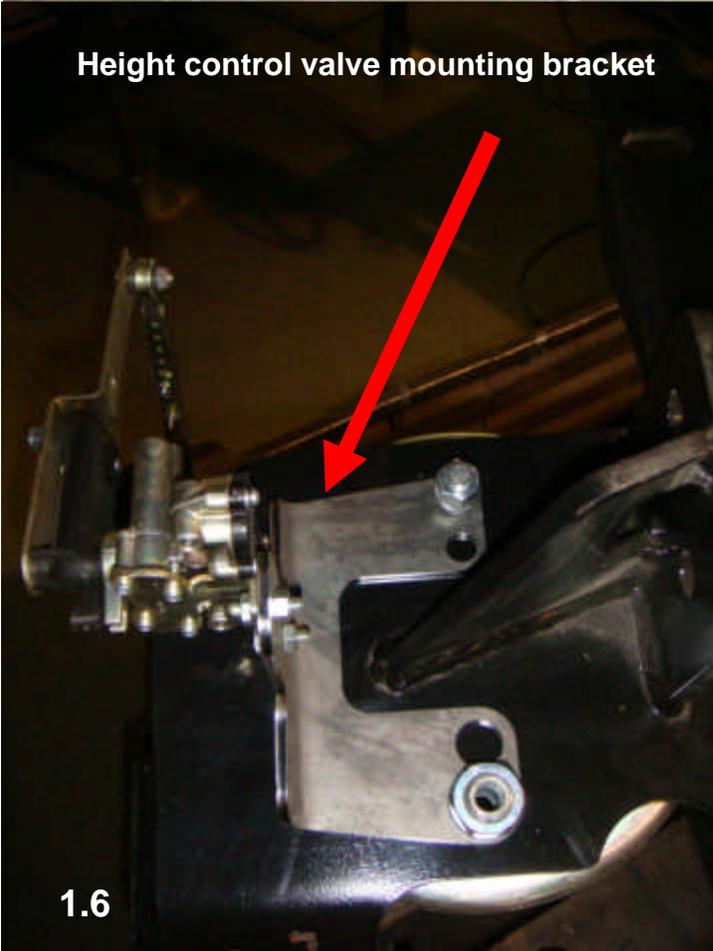
11. Use the instructions provided if you are using a compressor kit or automatic kit. If you are using the standard manual fill, locate the air line. Decide where you are going to mount the Schrader valve (fill valve). Once you mount the fill valve, locate the "T" fitting. Run a short piece of air line to the "T". Now run a section of air line from the "T" to each bag. Make sure when cutting the air line to make a clean cut. We recommend using a razor blade knife to cut the air line

12. Operation. **Inflate the bags so that the bottom swing arm is level with the ground.** As long as you keep these parameters, the truck will achieve the best ride. When adding a trailer or payload, just add air until the swing arm is level with the ground. If you are installing the height control valve, fasten the valve to the upper framework using the bracket installed in step 5.





Height control valve mounting bracket



1.6