

X-Treme Toyz Tech:

AIR = UP!

We lift the load on a 2009 Ford F-150 with Firestone's Rear Air Overloads & Air Command System.

We followed as a set of Firestone's rear air overloads were installed along with their Air Command system.



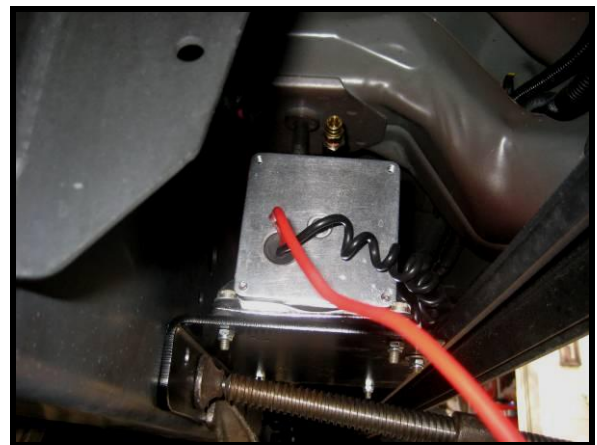
First, a suitable mounting location for the air controls was chosen. Then the air lines and compressor trigger wire were routed into the engine compartment through the firewall. The gauge backlight wires were connected to the factory dash light circuit by tapping in at the back of the headlight switch.



From the engine compartment, the hose just needs to be routed to the compressor and air bags.



A heavy-duty relay is provided in the kit. We attached it to the side of the battery box, which worked out very well.



Next, we fabricated a bracket to attach the compressor to the outer passenger frame rail.



Because our truck has a lift kit, the distance between the leaf spring & axle is increased by the thickness of the lift block. Since the factory bump stop is permanently removed, we decided the raised bump wing on the lift block would make an adequate rest for the bracket that would have normally rested on the axle tube. We marked where the bracket hit to cut the excess off the block since we would be rotating it to the outside of the spring for our installation.



On our particular block, we needed 3" of wing for the bracket support.



Slide the nut tabs in from the back side of the frame and attach 3/8" bolts loosely.



Once the block was cut, we also cut the support bracket to fit the new contact point.



Attach upper bag bracket to frame bracket with 3/8" hardware. Once everything is in place, tighten all hardware.



Mount the frame bracket loosely with the factory bump stop bolt. Pay close attention, there are left and right hand specific brackets in the kit and the variations are slight.



Attach lower spring plate to top of leaf spring with 3/8" carriage bolts and plates as shown. Axle support bracket would normally be adjusted to rest on axle tube, our installation rests on the wing of the modified lift block.



Install air fitting in airbag and attach bag to upper & lower brackets. Repeat bracket and bag installation on opposite side of vehicle.



Carefully route air lines to each bag avoiding heat sources and sharp obstructions. When all connections are finalized, inflate system and check for leaks with soapy water.



Before, the trailer is noticeably low in the front and the rear of the truck is sagged.



After @ 110 psi, the trailer is level and the rear of the truck is at an acceptable height!

Images & text courtesy of X-Treme Toyz

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