



350 S. St. Charles St. Jasper, In. 47546
Ph. 812.482.2932 Fax 812.634.6632
www.ridetech.com

Part # 11396799
82-02 S-10 Rear AirBar

Components:

2	90009000	Tapered sleeve air spring
1	90000384	Upper air spring bridge assembly
1	90000385	Lower air spring bridge assembly
1	90000386	Upper control arm axle bracket
2	90000070	Lower air spring roll plate
1	90000387	Gas tank bracket
1	90000388	Gas tank bracket w/ control arm mount
1	90000389	Upper control arm
5	90001942	Rubber bushing for upper arm
2	90001584	Threaded rod end
2	90000988	Lower bar – TW 24.50" (C-C 26.25")
4	90001085	Poly bushing half
2	90001094	Inner bushing sleeve
2	90001618	1/2" shock stud
2	90001083	Medium bump stop
4	99566001	9/16" SAE x 4 3/4" U bolts w/ nuts & washers

Hardware Kit: (Part # 99010004)

1	5/16 x 1" uss bolt	brake line
1	5/16 uss nyloc	brake line
1	5/16 flat washer	brake line
2	3/8 x 1" uss bolts	lower airspring mounting
4	3/8 x 3/4" uss bolts	upper airspring mounting
6	3/8 lock washers	airspring mounting
6	3/8 sae flat washers	airspring mounting
16	3/8 x 1 1/4 uss bolts	upper bar mount/ upper x-member
16	3/8 uss nyloc	upper bar mount/ upper x-member
32	3/8 sae flat washers	upper bar mount/ upper x-member
4	7/16 x 1 uss bolts	differential bar mount (set screw)
5	5/16 x 1 3/4" uss bolts	differential bar mount
5	5/16 sae flat washers	differential bar mount
5	5/16 lock washers	differential bar mount
2	1/2 x 2 1/2" uss bolts	shock mounting
2	1/2" uss nyloc	shock mounting
5	5/8 x 3" sae bolts (grade 8)	thru bar bolts
5	5/8 sae nyloc jam nuts	thru bar bolts

AirBAR[®]

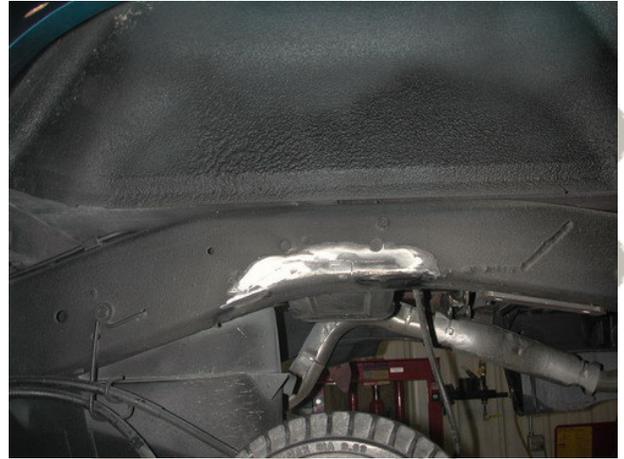
by Air Ride Technologies

Installation Instructions

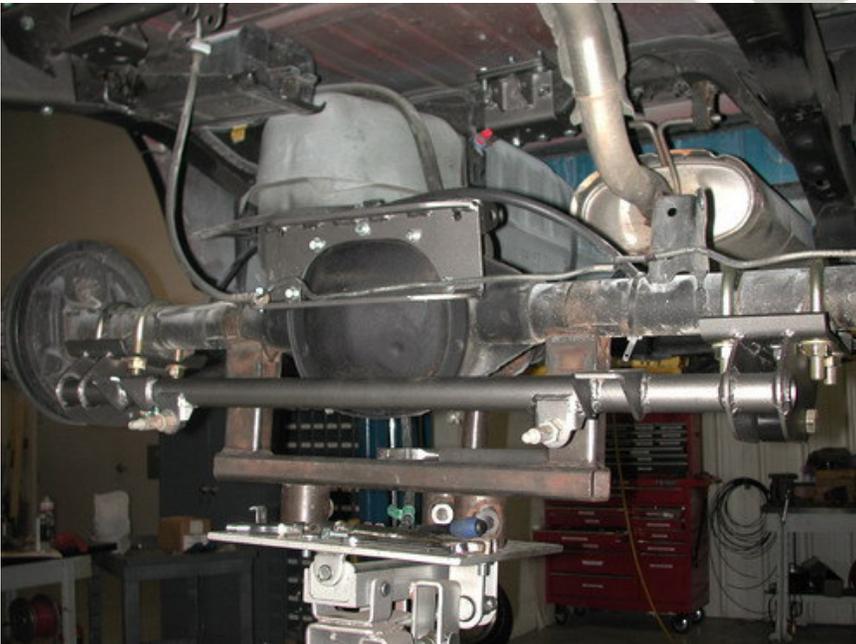
1. Raise truck and support under the frame at a safe, comfortable working height.
2. Support rear axle with jack stands.
3. Remove leaf springs.



4. Remove oem bumpstop and bracket using a die grinder and a cutoff wheel.



5. This is how the frame should look after oem bump stop removal.



6. Install lower airspring/shock crossmember onto rear axle housing using the supplied u bolts as shown to the left.

7. Install the upper control arm axle bracket onto the housing cover using the supplied fasteners as shown to the left. **Make sure to tighten all the link bolts at ride height.**



8. Install upper airspring/shock crossmember. This crossmember will be located by the OEM upper shock brackets. You will also need to drill 2 additional mounting hole in each framerail, using the crossmember as a template, to complete the installation.



9. This is a close up view of the upper airspring/shock crossmember installation.



10. Install the upper control arm frame mount onto the gas tank crossmember. This is a 2 piece mount that is bolted around the tank crossmember and is located via the bungs on the inside of the bracket that are inserted into existing holes in the tank crossmember. The threaded holes are used locate bolts that prevent the bracket assembly from rocking on the crossmember. The bracket can be welded as an alternative.

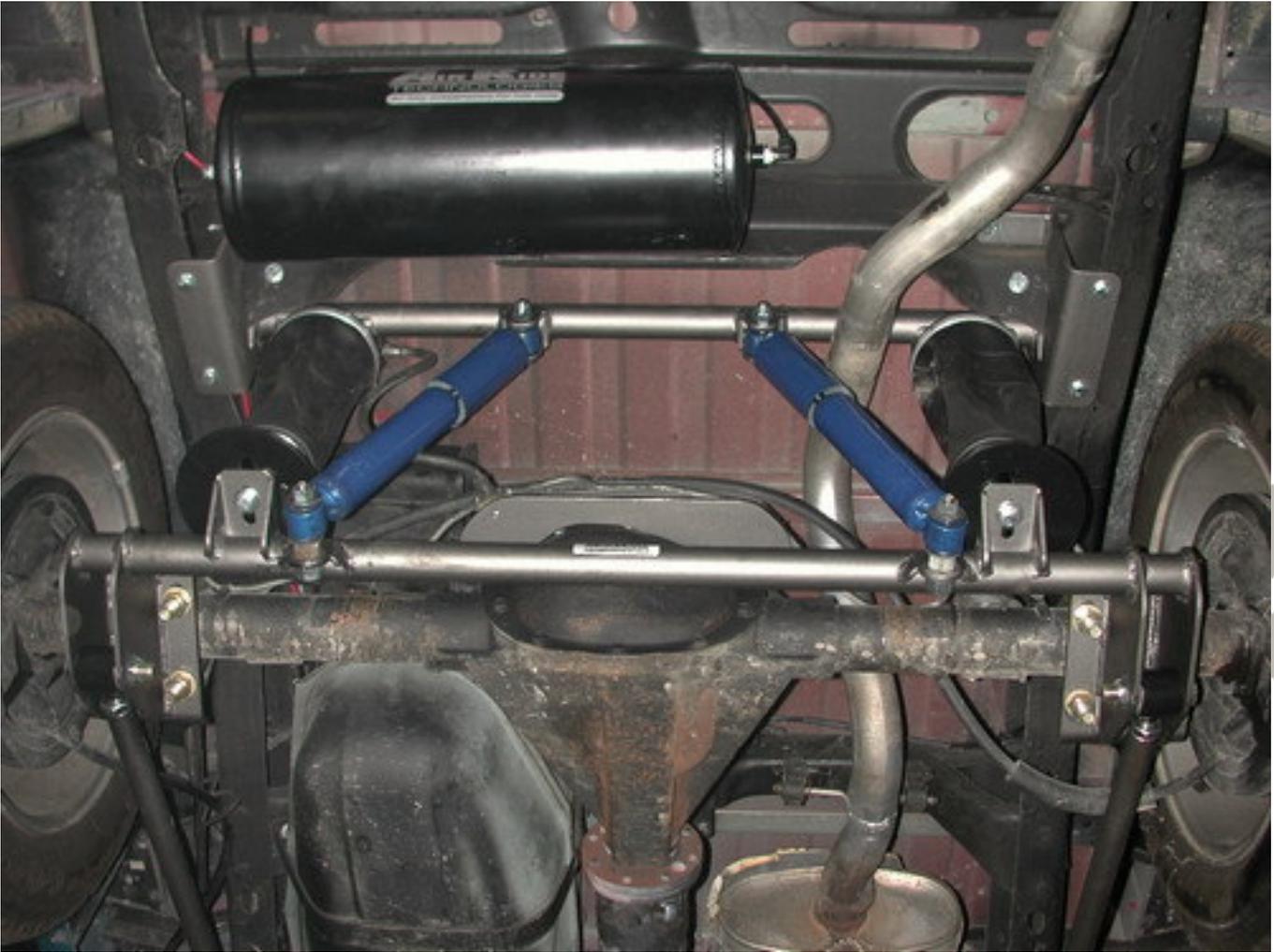
NOTE: Due to the various locations of the emissions equipment, etc. over the years, you may need to relocate items such as the charcoal canister, fuel lines, brake lines, and electrical wiring. A little thought and care goes a long way here! Typically the fuel lines, brake lines and wiring can be simply move aside if they are in the way, while the charcoal canister may need to be repositioned entirely.



11. Install the lower bars into the axle bracket and the OEM leafspring mount. You will use the OEM leafspring bolt for the front and the supplied bolt for the axle bracket end.



12. Install the upper control arm into the axle housing bracket and the gas tank bracket. **NOTE:** The upper control arm is NOT symmetrical. If it is installed upside down, it will position the rear axle approx 4" to the right. If you incur this problem simply flip the control arm over.



13. Install the airsprings into the upper and lower airspring/shock crossmembers. Be sure to use the supplied lower plates under the bottom of the airspring to prevent damage to the airspring when fully deflated.

14. Install shocks into the upper and lower airspring/shock crossmembers using the supplied shock studs on the bottom and the supplied bolts on top. When properly installed these shocks will not bottom out under full deflation and will capture the airspring extension under full inflation. **DO NOT USE SUBSTITUTE SHOCKS WITHOUT CAREFULLY CHECKING THESE DIMENSIONS!**

It is the final responsibility of the installer and vehicle driver to insure that the airspring will not rub on anything at any time! Failure to follow this guideline will result in immediate failure of the airspring and will NOT be a warranty situation.