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### Part # 19003002 3000lb Air Over Leaf Kit - 2.5" Leaf / Side Frame

### **Components:**

2	90009000	Tapered sleeve air spring
2	9000061	2.5" leaf spring bracket
2	90000070	Air spring roll plate
2	90000002	Bolt-on upper bracket
2	31954201	1/4"npt x 1/4" tube 90 degree air line fitting

#### Hardware:

2	90000002	Boit-on upper brack	et .						
2	31954201	1/4"npt x 1/4" tube 90 degree air line fitting							
			die.						
Hardware:									
6	99371001	3/8" x 3/4" USS bolt	Air spring mounts						
8	99371004	3/8" x 1 1/4" USS bolt	Upper bracket to frame						
8	99372002	3/8" USS Nylok nut	Air spring mounts						
14	99373003	3/8" flat washer	Air spring mounts						
6	99373005	3/8" lock washers	Air spring mounts						

# REAR INSTALLATION SUPPLEMENT FOR MOUNTING AIRSPRING ON TOP OF LEAFSPRING

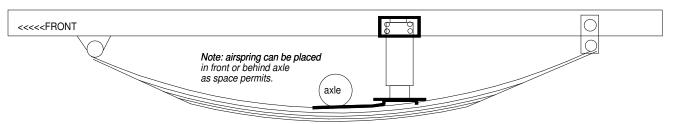
- 1. This installation is performed with the vehicle at ride height. When you raise the vehicle to a comfortable working height, support it by the axle housing.
- 2. Attach the lower airspring bracket to the top of the leafspring, preferably behind the rearend, using the attachment hardware provided. On some models, the lip of the airspring bracket will locate in the axle plate. *NOTE:* On some vehicles, a softer ride is obtained by removing leafs from the spring pack. Be sure to leave at least 2 leafs in the spring pack for stability.
- 3. Attach the airspring to the lower bracket.
- 4. The upper bracket can now be attached to the airspring and its placement on the framerail can be determined. If the leafspring is under the frame, the upper bracket will be a "J" shaped piece that the airspring screws into. If the leafspring is beside the frame, the upper bracket will be an angle bracket that will bolt on to the frame. Using the proper inflated dimensions, check for airspring clearance to nearby obstacles. [Refer to the airspring dimension chart.] Note that the proper inflated dimensions will not be the same as the uninflated dimensions.
- 5. Mark the bolt holes for drilling or clamp in place to weld.[Remove airspring before welding to avoid weld splatter damage!]
- 6. Reassemble, inflate, and re-inspect for proper clearance.

REMEMBER: THE AIRSPRING BELLOWS MUST NOT TOUCH ANYTHING AT ANYTIME!! IT IS THE FINAL RESPONSIBILITY OF THE INSTALLER TO DETERMINE ADEQUATE CLEARANCE.

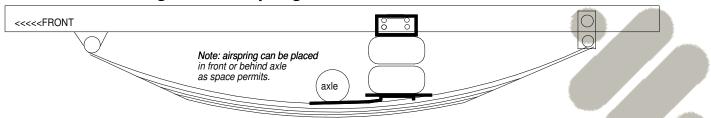
CAUTION!!! EXCEEDING THE DIMENSIONS IN THE CHART BELOW MAY RESULT IN SUDDEN AIRSPRING FAILURE! PROPER CLEARANCES MUST BE MAINTAINED AT ALL RIDE HEIGHTS AND STEERING ANGLES. BUMPSTOPS MUST BE USED TO LIMIT SUSPENSION TRAVEL BEFORE THESE DIMENSIONS ARE EXCEEDED.

PLEASE CALL AIR RIDE TECHNOLOGIES IF YOU HAVE ANY QUESTIONS.

## Installation using 7000series or 9000 series airspring



## Installation using F6957 airspring

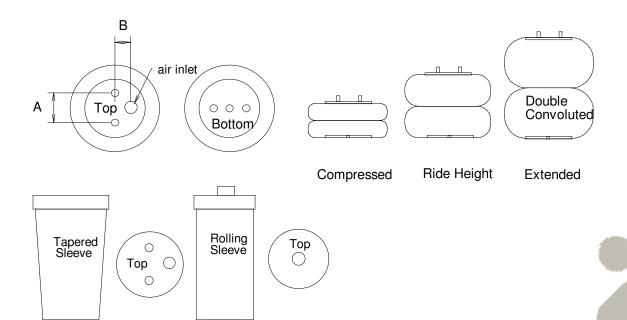








Typical underframe installation



## Airspring Dimension Chart

Airspring Dimension Chart								
PART#	TYPE	Capacity @100psi	Compres s Height	Ride Height	Max. Height	Max Diameter	Bolt Pattern	
255C [F6957]	Double Convoluted	2040#	3" [built in bumpstop]	5"-6"	7"	6.5"	A=1.75 B=.875	
224C [F0335	Double Convoluted	3150#	3"	5"-6"	8"	8.0"	A=2.75 B=1.312	
26C [F7325]	Double Convoluted	3400#	3"	5"-6"	10"	8.5"	A=2.75 B=1.312	
20 [F6908]	Double Convoluted	4790#	3"	7"-8"	11"	9.9"	A=3.50 B=1.75	
F9000	Tapered Sleeve	1500#	4.5	8" - 9"	13"	5"	A=2.75 B=1.312	
F9002	Tapered Sleeve	1500#	4.5	7" - 8"	12"	5"	A=2.75 B=1.312	
F9003	Tapered Sleeve	1500#	4.5 6.5"	6.5"-7" 10.5"-11.5"	11" 16"	5"	A=2.75 B=1.312	
F9010 7012	Tapered Sleeve Rolling Sleeve	2000# 1020#	6.5" 4"	7.5" - 8.5"	12"	6.5" 5"	.750 SAE/.250npt .750SAE/.125npt	
7076	Rolling Sleeve	800#	3.5"	5"-6"	9"	4"	.750SAE/.125npt	