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

ARR21700 49-51 Mercury 2000lb. rear underframe airspring / bracket / shock system

2 F7012 airspring

2 A082 lower leaf bracket [for 2" leaf]

2 A079x round pattern plate

2 A034b upper underframe bracket

2 MON31094 shock absorbers w/ 4 sleeves

2 FIT2201 1/8 npt x 1/4 tube air fitting

Fastener package =

2 3/4 sae jam nuts
2 1/2 x 1 uss bolts
2 1/2 lock washers
2 1/2 sae flat washers
8 3/8 x 1 1/4 uss bolts
8 3/8 uss nyloc nuts
8 3/8 sae flat washers

INSTRUCTIONS

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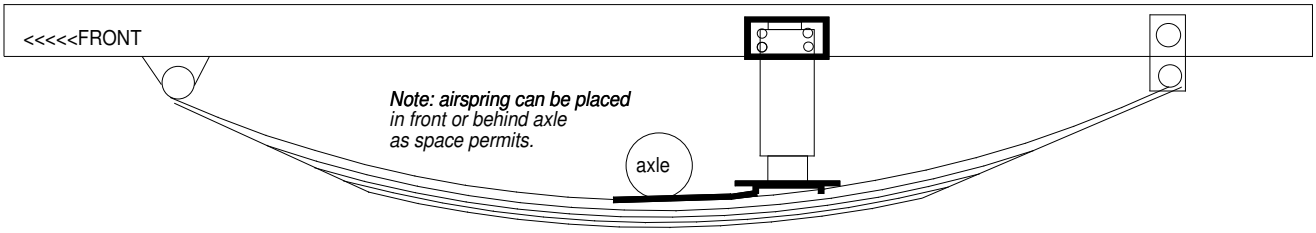
REAR INSTALLATION
SUPPLEMENT FOR MOUNTING AIRSPRING ON TOP OF LEAFSPRING

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. Be sure to use the A079 pattern plate between the bottom of the airspring and the lower bracket; this will give the airspring a platform to roll down onto.
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.

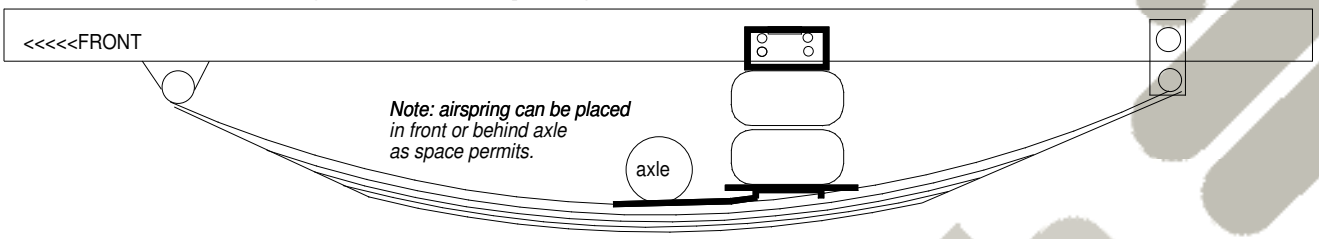
REMEMBER: THE AIRSPRING BELLOWS MUST NOT TOUCH ANYTHING AT ANYTIME!! IT IS THE FINAL RESPONSIBILITY OF THE INSTALLER TO DETERMINE ADEQUATE CLEARANCE.

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



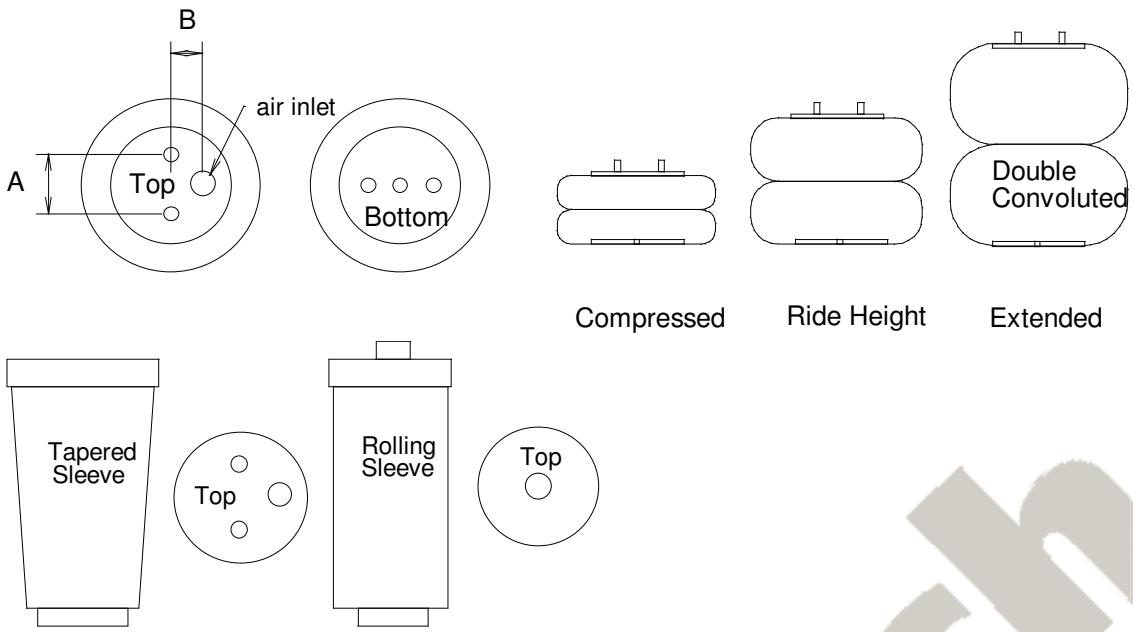
Installation using F6957 airspring



Typical sideframe installation

Typical underframe installation

DIMENSION CHART



AIRSPRING DIMENSION CHART

PART#	*TYPE*	*Capacity @100psi*	*Compress 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"-7"	11"	5"	A=2.75 B=1.312
F9010	Tapered Sleeve	2000#	6.5"	10.5"-11.5"	16"	6.5"	.750 SAE/.250npt
7012	Rolling Sleeve	1020#	4"	7" - 8"	13"	5"	.750SAE/.125npt
7076	Rolling Sleeve	800#	3.5"	5"-6"	9"	4"	.750SAE/.125npt