



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



REAR INSTALLATION

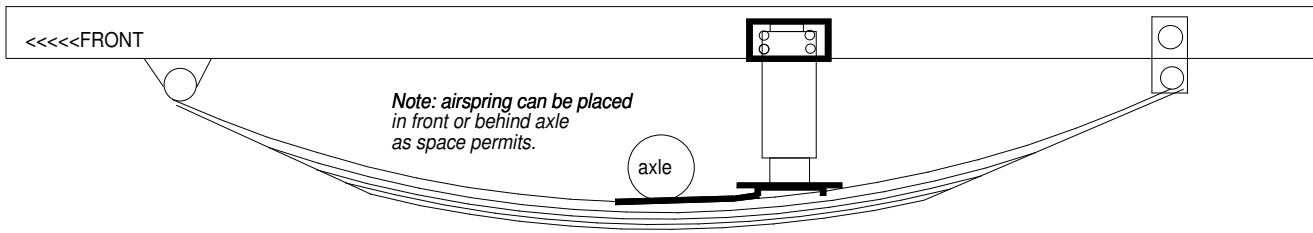
SUPPLEMENT FOR MOUNTING AIRSPRING ON TOP OF LEAFSPRING

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 leaves from the spring pack. Be sure to leave at least 2 leaves 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 framerrail 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.

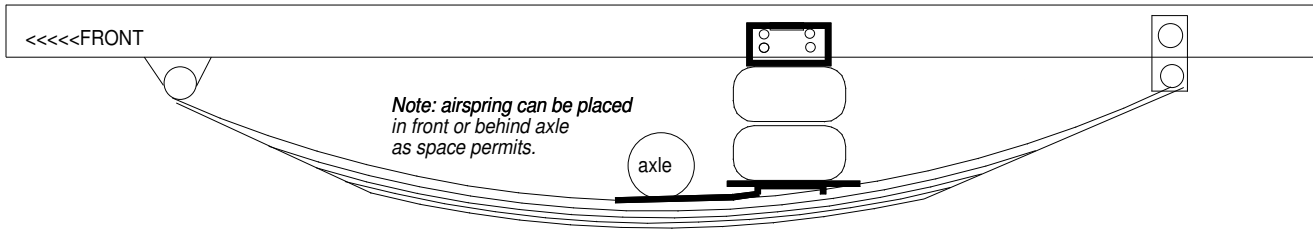
REMEMBER: THE AIRSPRING BELLOWS MUST NOT TOUCH ANYTHING AT ANYTIME!! IT IS THE FINAL RESPONSIBILITY OF THE INSTALLER TO DETERMINE ADEQUATE CLEARANCE.

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.

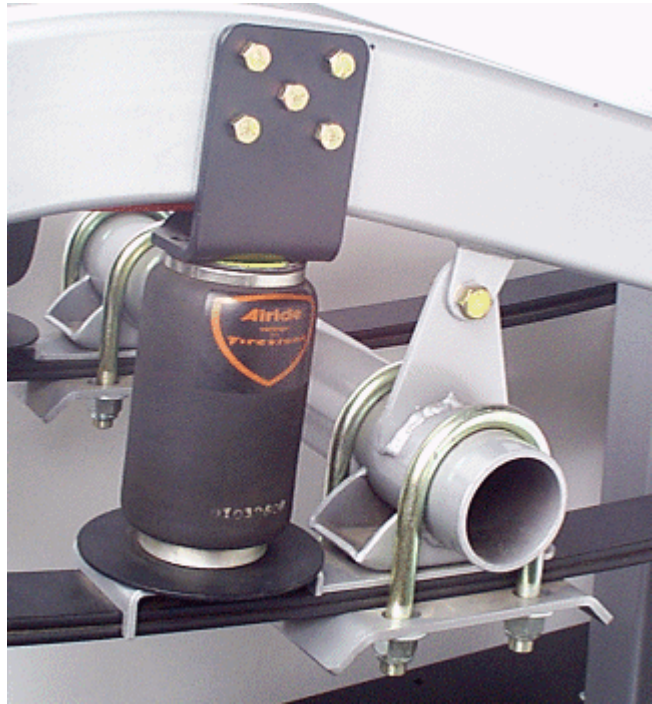
Installation using 7000series or 9000 series airspring



Installation using F6957 airspring

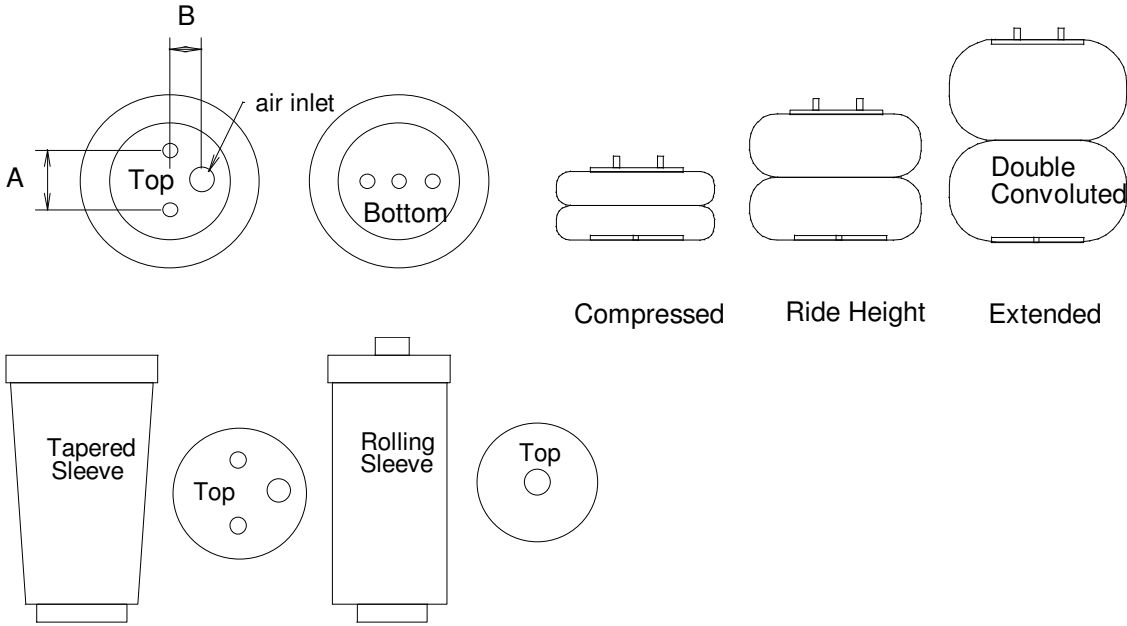


Typical sideframe installation



Typical underframe installation

DIMENSION CHART



AIRSPRING DIMENSION CHART

| PART# | TYPE | Capacity @100psi | Compressed 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 |