



350 S. St. Charles St. Jasper, In. 47546 Ph. 812.482.2932 Fax 812.634.6632  
on the internet: [www.ridetech.com](http://www.ridetech.com)

### **ARR23100 09-up Dodge 1/2 Ton Rear CoolRide**

2	F9100	Tapered sleeve air spring
2	MON34960	Rear shock absorber
2	A1066	Upper air spring mount
2	A168	Upper washer (4" O.D.)
2	A675	Lower air spring roll plate
2	PosiLink- sway bar end links (9 1/2" center to center)	
4	BAL1029	12mm elbow PosiLinks
2	A1070	5 1/2" PosiLink spacer
2	12mm x 7.5" stud	For PosiLinks (use Loctite)
4	12mm Nylok nuts	For PosiLinks
4	7/16" SAE flat washer	For PosiLinks
2	3/8" x 2 1/2" stud	Upper air spring mount
2	3/8" USS Nylok nut	Upper air spring mount
2	3/8" SAE flat washer	Upper air spring mount

# COOL RiDE<sup>®</sup>

by Air Ride Technologies

## ARR23100 Installation Instructions

1. Raise and support the vehicle by the frame to the safe and comfortable working height.
2. Remove the coil spring and shock absorber. Refer to the factory service manual for proper disassembly procedures.



3. Remove the bump stop from the frame and cut the upper convolution off, then reinstall back onto the frame. This will allow for maximum drop.

**Note:** The bump stops must be reinstalled to prevent damage to the air spring.



4. The top of the lower coil spring retainer must be cut off to accept the lower air spring mount. A die grinder with a cut off wheel works well. Grind edges smooth.

5. Place the lower air spring roll plate over the retainer.



6. Place the 4" washer on top of the upper coil spring mount.



7. Screw the 3/8" x 2" stud into the top of the air spring.

8. Slide the upper air spring mount over the 3/8" stud. This mount is required to fasten the air spring to upper coil spring pocket.



9. Place the air spring into the coil spring pocket with the 3/8" stud sticking through the 4" washer. Fasten the assembly with a 3/8" Nylok nut and flat washer.

10. Slide the bottom of the air spring over the coil spring retainer.

**Note:** The bottom of the air spring is not fastened to the axle. Leave at least 15 psi in the air springs when lifted the vehicle by the frame.



11. Replace the factory shocks with the new ones supplied using the factory hardware. These are shorter than the factory units to allow for maximum drop.



12. To retain proper sway bar geometry, shorter PosiLinks are necessary. 12mm Nylok nuts are supplied.

13. Ride height on this air spring is approximately 9.5" tall. Depending on vehicle weight this should occur around 45 psi.

It is the final responsibility to ensure that the air spring does not rub on anything. **Allowing the air spring to rub will result in failure and is not a warrantable situation.**