



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

www.ridetech.com

Part # 13084099
09-12 Dodge ½ Ton Rear CoolRide

Components:

2	90009100	Tapered sleeve air spring
2	90000132	Upper air spring mount
2	90000224	Upper washer (4" O.D.)
2	90000548	Lower air spring roll plate
4	90000921	12mm elbow PosiLinks
2	90000136	5 ½" PosiLink spacer

Hardware:

2	99122004	12mm x 7.5" stud	For PosiLinks (use Loctite)
4	99122001	12mm Nylok nuts	For PosiLinks
4	99433002	7/16" SAE flat washer	For PosiLinks
2	99375001	3/8" x 2 ½" stud	Upper air spring mount
2	99372002	3/8" USS Nylok nut	Upper air spring mount
2	99373003	3/8" SAE flat washer	Upper air spring mount

COOLRiDE[®]

by Air Ride Technologies

13084099 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.

******RideTech Shocks Required******



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. **The ring will stick up past the roll plate and sticks up into the bottom of the Air spring to keep it located.** 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.



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.**