ridetech ≑

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Part # 13084010 09-12 Dodge ½ Ton Rear CoolRide with HQ Series Shocks

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 |

Shock:

2 986-10-033 8.35" Stroke Eye Top Shock Cartridge

Components:

4 70011138 3/4" ID Shock Bushing
8 70011186 9/16" ID Shock Sleeve Halves

COOLRIDE

13084010 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.



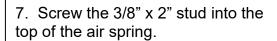
4. The top of the lower coil spring retainer must be cut off to accept the lower air spring mount. The ring will stick up past the roll plate and sticks up into the bottom of the Air spring to keep it located. A die grinder with a cut off wheel works well. Grind edges smooth.

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



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





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 suppled.

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.

Replace existing shock with Ridetech shock reusing OEM hardware