

ridetech

Air Ride Technologies



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Part # 11201099 82-92 Camaro Front CoolRide kit

Components:

2	90006781	Air spring – 6.5” diameter double convoluted
2	90000545	Upper cup bracket
1	90000547	Lower air spring mounting plate (pass. side)
1	90000546	Lower air spring mounting plate (drivers side)
2	31954201	Airline fitting - 1/4”npt x 1/4” tube 90 degree

Hardware:

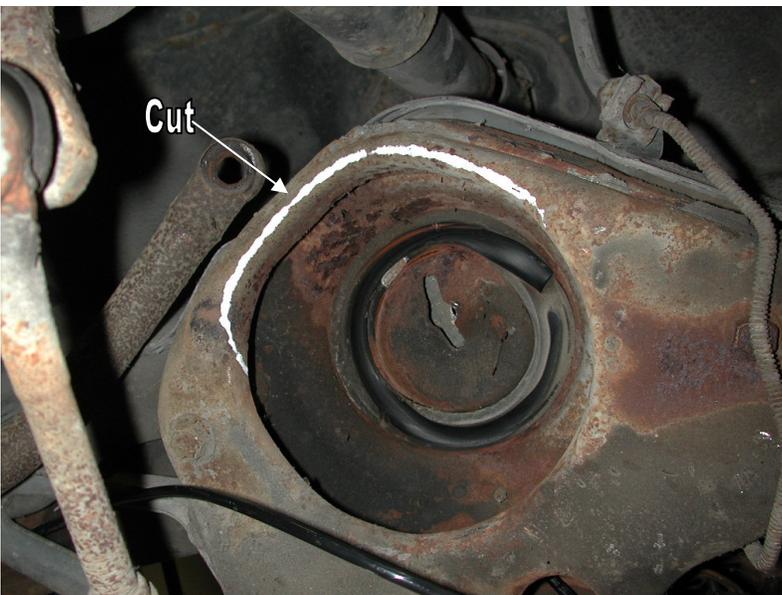
2	99435001	6” x 7/16” stud	Upper cup mounting
2	99432001	7/16” Nylok nut	Upper cup mounting
2	99433002	7/16” SAE flat washer	Upper cup mounting
6	99371004	3/8” x 1 1/4” USS bolt	Lower mounting plates to a-arm
2	99371001	3/8” x 3/4” USS bolt	Lower air spring mounting
18	99373003	3/8” SAE flat washer	Air spring mounting
12	99372002	3/8” USS Nylok nut	Air spring mounting
2	99373005	3/8” lock washer	Lower air spring to plate
2	99371011	3/8” x 6 1/2” USS bolt	Sway bar end link

COOLRiDE[®]

by Air Ride Technologies

Installation Instructions

1. Raise and support vehicle at a safe, comfortable working height. Let the front suspension hang freely
2. Remove the coil spring and bump stop. Refer to a factory service manual for proper disassembly procedure.



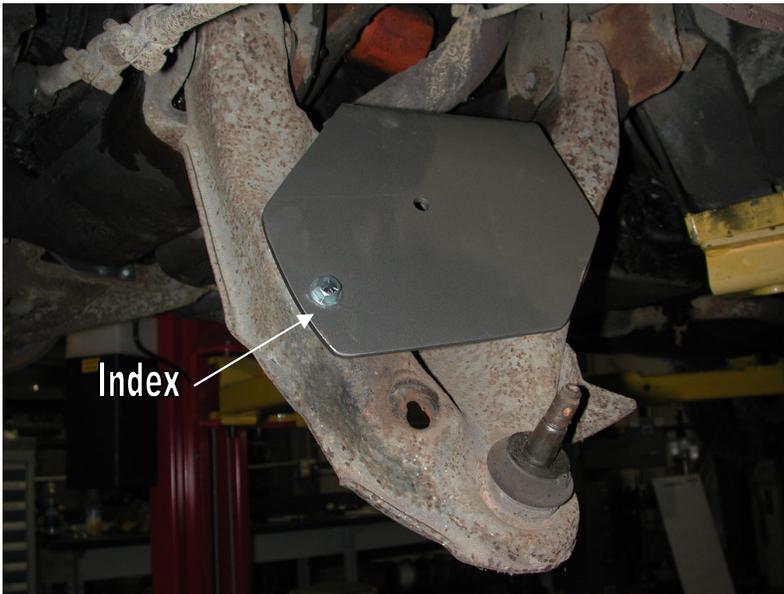
3. The outer lip of the coil spring pocket must be removed for air spring clearance. This is best done with a cut off wheel or plasma cutter. Grind smooth when finished.

If the air spring rubs on the frame it will damage the air spring. This is a not a warrantable situation.



4. You must also drill a 7/16" hole in the top of the coil spring pocket. Use the hole in the center of the slot as a guide.

5. Watch for fuel lines and wires on top of the frame rail!



6. Set the air spring plate on the lower control arm. The plate will index off of the factory bump stop hole. Insert a $3/8" \times 1 1/4"$ with Nylok and flat washers.

NOTE: There is a driver and passenger side plate; this is the driver.

7. Two more bolts will hold the plate to the lower arm. They are located on the backside of the arm and require a $7/16"$ hole in the arm. They will also use a $3/8" \times 1 1/4"$ bolt with Nylok and flat washer.



8. Apply thread sealant to the air fitting and screw it into the top of the air spring.

9. Place the upper cup bracket over the two studs on top of the air spring and tighten with two Nyloks. Clock the bracket so the hole in the side of it is next to the air fitting. Route airline.

10. Take the 6" stud and screw it into the nut in the bottom of the cup bracket.



12. Place the air spring into the pocket with the stud protruding through the hole you drilled earlier. The air fitting should point towards the engine. It is held in place with a $7/16"$ Nylok and flat washer.

13. The air spring is held tight to the lower plate with a $3/8" \times 3/4"$ bolt, flat washer and lock washer.

14. Shorten the sway bar end link to 2"

15. Double check air spring clearance through full suspension travel.

16. Ride height on this air spring should be approximately $4 1/2"$ tall. Typically this will occur around 85psi but will vary to driver preference.