



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

Part # 11204010
82-02 Rear Camaro CoolRide Kit

COOLRIDE KIT

Components:

2	90009000	Tapered sleeve air spring
1	90000416	Upper air spring bracket – Driver side
1	90000417	Upper air spring bracket – Passenger side
2	90000290	Lower rear air spring roll plate

Hardware:

4	99371001	3/8" x 3/4" USS bolt	Air spring to upper bracket
4	99373005	3/8" lock washer	Air spring to upper bracket
6	99373003	3/8" SAE flat washer	Air spring mounts
2	99371027	3/8" x 1" carriage bolt	Upper bracket to car
2	99372002	3/8" USS Nylok nut	Upper bracket to car

SHOCK KIT

Shock:

2	986-10-049	7.55" Stroke Stud Top Shock Cartridge
2	70011138	3/4" ID Shock Bushing
2	90002102	1/2" ID Shock Sleeve

Components:

4	70011140	Stem Bushings
4	70011141	Stem Washers
2	90001619	Shock bolt kit

Hardware:

4	99372006	3/8"- 24 Jam Nut	Upper Shock Stud
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COOLRiDE®

1. Raise and support vehicle at a safe and comfortable working height.
2. Support the axle then remove the shock absorber, coil spring, and upper coil spring rubber. Refer to service manual for proper disassembly procedure. It is easier to do one side at a time. You will have to pull the axle down to slip the coil spring out.

*** Must Use Supplied Shocks ***



3. Apply thread sealant to a 90 degree air fitting and screw it into the top of the air spring.

4. Fasten the upper mount to the air spring with two 3/8" x 3/4" bolts, flat washers and lock washers.

IMPORTANT NOTE: MAKE SURE THE AIR SPRING MOUNTING HARDWARE DOES NOT BOTTOM OUT IN THE AIR SPRING. IF THE HARDWARE IS TOO LONG, IT CAN DAMAGE THE AIR SPRING.

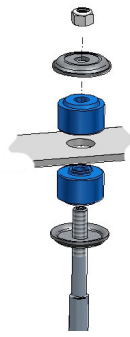


5. This hole in the inner fender must be enlarged to 3/8".

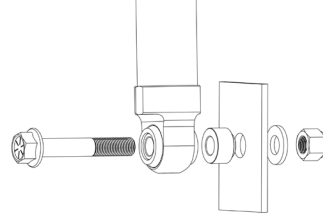
6. The 3/8" Carriage bolt, Nylok nut and flat washer will fasten the upper bracket to the coil spring pocket.



Upper Shock Mounting



Lower Shock Mounting



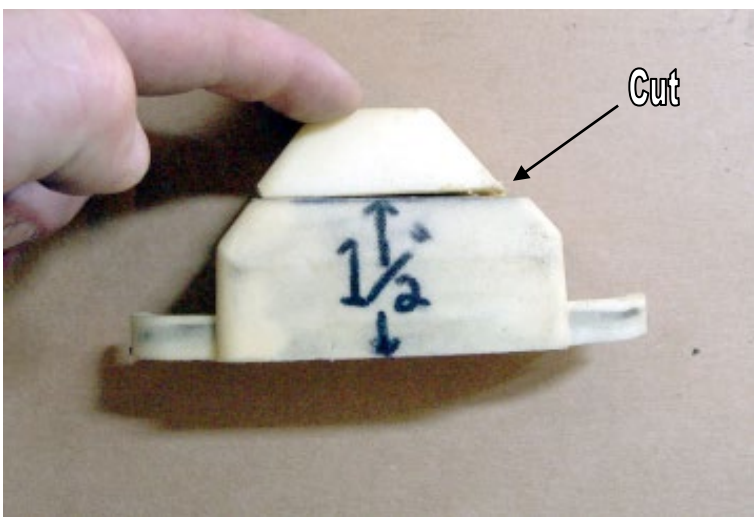
7. Install the supplied shock absorber. The stud of the shock will go through the upper air spring mount and will help hold it in place.

8. Place the lower air spring roll plate over the spring retainer on the axle.

Note: The air spring will not be mechanically attached to the axle. Be sure to keep at least 20 psi in the rear springs at all time.



9. Check air spring clearance through full suspension travel. Allowing the air spring to rub will result in failure and is not a warrantable situation.



9. The factory bump stop must be used to avoid damage to the air spring. But to get maximum drop from the kit it must be cut down to 1 1/2" tall.

10. Ride height on this air spring is approximately 9" tall. **Driving with the car too low or too high may cause damage to the air spring or shocks absorbers.**

Shock adjustment 101- Single Adjustable

Rebound Adjustment:

How to adjust your new shocks.

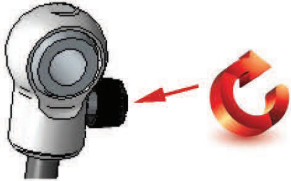
The rebound adjustment knob is located on the top of the shock absorber protruding from the eyelet or stud top. You must first begin at the ZERO setting, then set the shock to a street setting of 12.



-Begin with the shocks adjusted to the ZERO rebound position (full stiff). Do this by rotating the rebound adjuster knob clockwise until it stops.

-Now turn the rebound adjuster knob counter clock wise 12 clicks. This sets the shock at 12. (settings 21-24 are typically too soft for street use).

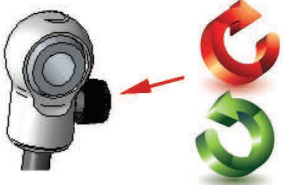
Take the vehicle for a test drive.



-if you are satisfied with the ride quality, do not do anything, you are set!

-if the ride quality is too soft increase the damping effect by rotating the rebound knob clock wise 3 clicks.

Take the vehicle for another test drive.



-if the vehicle is too soft increase the damping effect by rotating the rebound knob clock wise 3 additional clicks.

-If the vehicle is too stiff rotate the rebound adjustment knob counter clock wise 2 clicks and you are set!

Take the vehicle for another test drive and repeat the above steps until the ride quality is satisfactory.

Note:

One end of the vehicle will likely reach the desired setting before the other end. If this happens stop adjusting the satisfied end and keep adjusting the unsatisfied end until the overall ride quality is satisfactory.