



# AIR DITCHER

AIR TO COIL CONVERSION KIT

86-99 Buick LeSabre • 86-91 Oldsmobile Delta 88 • 92-98 Oldsmobile 88  
1987-1999 Pontiac Bonneville • 1985-1993 Cadillac Deville



This product is intended to modify your vehicle and replace the existing air controlled suspension components with a passive coil and shock system. The system has been designed and extensively tested to provide the same ride quality and height as the O.E.M. system.



**This conversion kit requires the removal of the stock coil spring, which may be under compression. Proper procedure must be followed to minimize risk of personal injury and product damage.**

## General Precautions

**When servicing any vehicle be sure to follow all safety procedures.**

First, make sure that when lifting the vehicle that you are using the appropriate jack for the weight of the vehicle.

Make sure before going underneath any vehicle that it is properly supported with sturdy jack stands and on level ground so that the vehicle doesn't fall or slide off of the jack and onto you.

As with any automotive repair, make sure you have the appropriate tools to do the job so you don't damage any parts on the vehicle. There is a list of tools needed included in these instructions.

Safety glasses and mechanic gloves should also be worn for your protection.

Be sure to follow the instructions in the order that they are given. The instructions are in a certain order for a reason and improper installation could lead to damage to your vehicle or the parts. Keep in mind that if you damage the parts during installation you will be responsible for the replacement parts.

## Included In This Conversion Kit

2 Strut assemblies & top mounts  
2 passive coil springs  
Installation hardware



## Minimum Tools Needed For This Installation



Metric Hand Tools (Sockets/Wrenches)



Jack and Jackstands



Screw Drivers (Phillips and Flat Head)



Spring Compressor



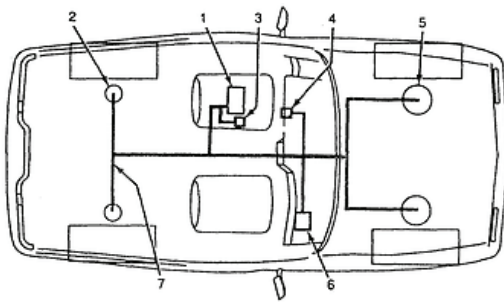
# WARNING

Support control arm with a suitable jack. The control arm must be supported to prevent the coil spring from forcing the control arm downward causing component damage and possible bodily injury.

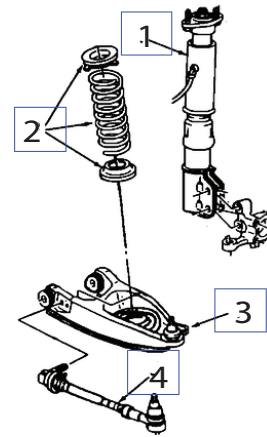
# CAUTION

Once you are ready to disable the ride light, you will need to disconnect the ground battery cable (-) to prevent electrical shock and/or malfunction.

## 1. Removal

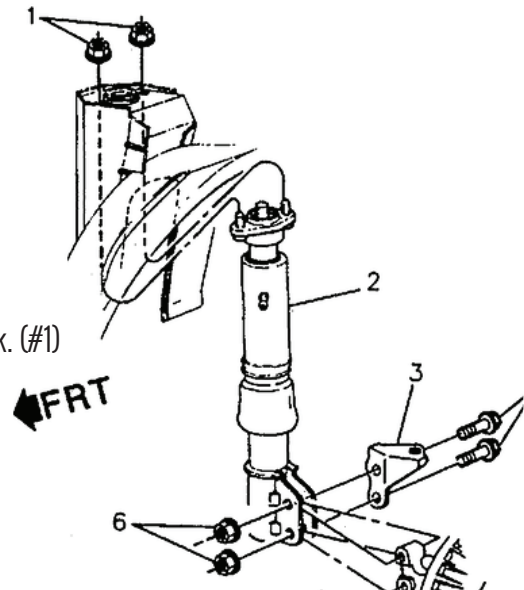


- 1 CONTROL MODULE, CCR
- 2 STRUT, REAR (2)
- 3 SWITCH, LATERAL ACCELERATOR
- 4 SWITCH, DRIVER SELECT
- 5 STRUT, FRONT (2)
- 6 CONTROL MODULE, POWERTRAIN
- 7 HARNESS, WIRING



- 1. Strut Assembly
- 2. Coil Spring
- 3. Control Arm
- 4. Outer Tie Rod

1. Remove rear seat cushion and seat back to gain access to strut tower mounting nuts.
2. Remove rear wheels and tires.
3. If Electronic Level Control (ELC) equipped, remove air tube from strut.
4. Support control arm with suitable floor jack.
5. Remove strut to knuckle bolts. (#6 + #3)
6. Remove strut tower mounting nuts through body slot behind rear seat back. (#1)
7. Remove strut from knuckle.
8. Remove strut.
9. Disconnect rear stabilizer bar from knuckle bracket.
10. Disconnect electronic level control height sensor link if removing right control arm.
11. Disconnect parking brake cable clip from frame if removing left control arm.



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6. Raise jack to relieve tension from control arm pivot bolts.

7. Install Spring Compressor onto coil spring

8. Remove rear control arm pivot bolt and nut, Fig. 1.

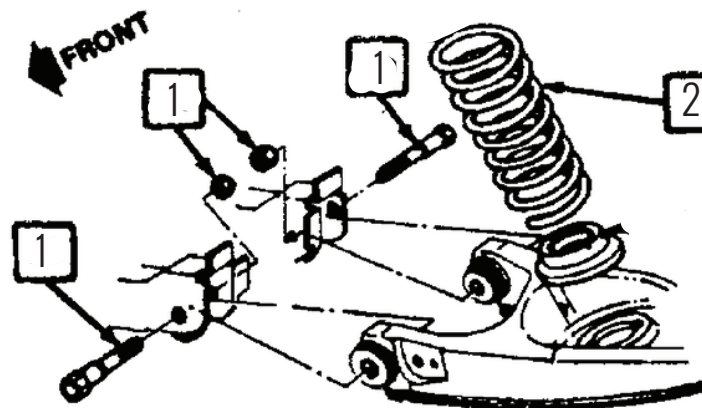
9. Slowly lower jack until front bolt and nut can be removed.

10. Remove Control Arm

11. Slowly raise spring compressor until coil spring can be removed

12. Remove coil spring

13. Remove coil spring compressor.



## 2. Installation

1. Install coil spring compressor onto new coil spring

2. Install coil spring onto lower spring perch on control arm

3. Support control arm with floor jack

4. Install strut using lower mounting bolts

5. Slowly raise jack until control arm pivot bolts can be installed

6. Install control arm pivot bolts

7. Guide coil spring into upper spring perch and slowly decompress spring using compressor

7. Remove coil spring compressor

8. Install upper strut mounting bolts through rear seat access

9. Install sway bar onto rear knuckle bracket.

10. Connect electronic level control height sensor link if removing right control arm.

11. Connect parking brake cable clip from frame if removing left control arm.

### Torque Specifications

Control Arm Bolts (Optional Torque) .....	134 ft. lbs
Control Arm Nuts .....	85 ft. lbs.
Stabilizer Shaft:	
Insulator Link Bolt .....	17 ft. lbs.
Link Assembly .....	13 ft. lbs.
Link Nut (At Bracket) .....	35 ft. lbs.
Strut To Knuckle .....	40 ft. lbs.
Strut (Tower) Mounting Nut .....	35 ft. lbs.

# 3. Ride Light Disabling

After replacing the air suspension on your car, you will have a light on your dash appear. This is quite normal and is easily rectified with absolutely no cause for alarm. Every system available for conversion will have this issue as the O.E.M. systems report suspension levels to the computer and passive replacement systems do not. This will not effect your ride height or ride quality at all, nor cause any damage to your vehicle.

**Remove the Electronic Control Relay from the fuse panel under the rear passenger seat:**

