

# INSTALL/REMOVAL INSTRUCTIONS: AIR SUSPENSION CONVERSION KIT

**ATTENTION:** Refer to the appropriate shop manual for your vehicle to obtain specific service procedures for this part. If you do not have a service manual or lack the skill to install this part, it is recommended that you seek the services of a qualified technician. Pay special attention to all cautions and warnings included in the shop manual. Read and follow all instructions carefully.

## **Air Suspension Conversion Kit**

### **General Installation Instructions**

When servicing any vehicle be sure to follow all safety procedures. First, make sure that when lifting the vehicle that you use an appropriate jack with a proper weight rating. Before going underneath any vehicle, make sure 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. Safety glasses and mechanic's gloves should also be worn for your protection.

Take care not to exceed the Gross Vehicle Weight Rating (GVWR), or the maximum load recommended by the manufacturer. It is important that all the vehicle owner manuals recommendations are followed for your own safety and to prevent damage to the vehicle.

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

Dorman are proud to offer a high quality product at the industries most competitive pricing!

#### Disclaimer:

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# Lincoln MarkVIII 1993-1998 Quick Start Guide

## Parts included in this kit

- (2) Coil over Struts



## Tools needed for the installation

- Metric socket set
- floor jack
- Jack stands
- Metric wrenches
- Screw Drivers (Phillips and flat head)
- Wire cutter/stripper/crimping tool
- Level work surface

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## Lincoln MarkVIII 1993-1998 Front Removal Instructions

- Turn off the air suspension switch in the trunk.



- Raise and support the vehicle.
- Position the front ride height sensor out of the way.
- Release the metal spring clip at the top mount of the height sensor. Pop the sensor off of the ball stud, rotate out of the way on the bottom mount.



- To remove the air spring solenoid rotate the solenoid counterclockwise to the first stop. Bleed air from the system by slowly pulling the solenoid straight out to the second stop. After the air is bled completely from the system, rotate the solenoid counterclockwise to the third stop and remove the housing.



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## Lincoln MarkVIII 1993-1998 Front Removal Instructions

- Remove the upper mount control arm by removing the pinch bolt and nut, then tap the wishbone control arm upward.
- NOTE: Slightly spread the slot in the top of the spindle.



- Remove the sway bar end link by unbolting the nut that attaches it to the spindle then tap it out.



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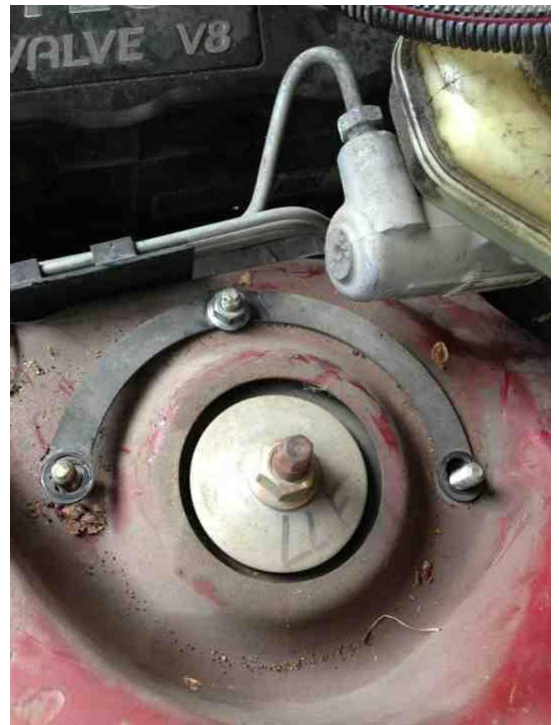
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## Lincoln MarkVIII 1993-1998 Front Removal Instructions

- Remove the strut lower mounting nut and bolt.



- Unbolt the brake line bracket that is mounted to the frame.
- Access the three 13 mm shock tower nuts and remove them.
- Remove the Air Strut.



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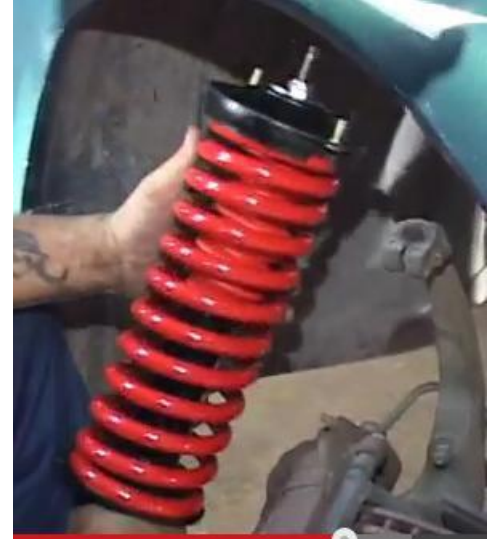
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## Lincoln MarkVIII 1993-1998 Strut Installation

- Install the top of the strut into the strut tower and fasten loosely with the three 13 mm nuts.



- Install the bottom of the strut mounting to the vehicle and secure with the bolt and nut.
- Reinstall brake line bracket to the frame.



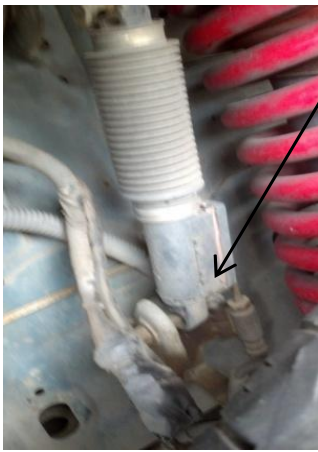
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## Lincoln MarkVIII 1993-1998 Strut Installation

- Reinstall stabilizer bar to the spindle and secure with nut.
- Reinstall the ride height sensor.



- Reinstall the upper control arm and secure with the pinch bolt and nut.



- Replace the wheel and lower vehicle to the ground. Tighten the top three upper strut mounting nuts.

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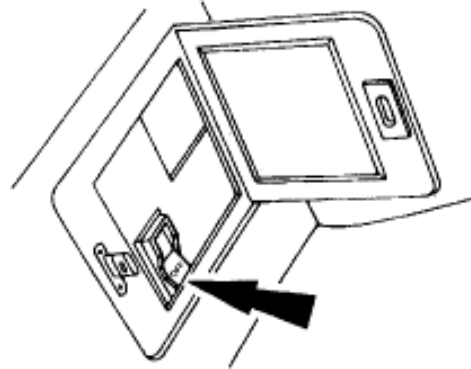
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# Lincoln MarkVIII 1993-1998 Light Out Information

## Air Suspension Light Disarm Instructions

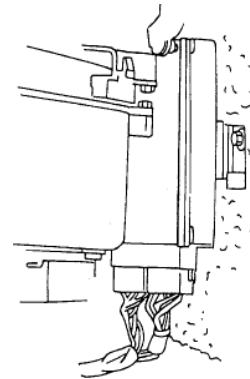
Turn OFF air suspension switch located in the trunk. (See Figure #1)

Fig. 1



Remove the glove compartment and locate the air suspension module. Note: The suspension module will be the furthest away from you. It is mounted on the side wall toward the front of the vehicle. This will be a black plastic module with two connectors. (See Figure #2)

Fig. 2



Locate and cut the dark green wire with the light green stripe. The module has two connectors but has only one dark green wire with a light green stripe. Note: Remove the lower kick panel to access the wiring bundle.

C205 (GRAY) AIR SUSPENSION/EVO STEERING MODULE		
PIN	CIRCUIT	CIRCUIT FUNCTION
11	425 (BR/PK)	Air Suspension Switch Input
12	419 (DG/LG)	Warning Message Feed
13	412 (O/LB)	Diagnostic Input
14	415 (LG/O)	Left Front Air Spring Solenoid Output
15	414 (O/R)	Right Front Air Spring Solenoid Output
16	429 (P/LG)	Left Rear Air Spring Solenoid Output
17	416 (LB/BK)	Right Rear Air Spring Solenoid Output
18	420 (DB/Y)	Compressor Relay Control
19	330 (Y/LG)	EVO Actuator Feedback (+)
20	-	NOT USED
27	-	NOT USED
28	431 (PK/W)	Height Sensor Power Output
29	413 (LG)	Diagnostic Input
30	421 (PK)	Vent Solenoid Control
31	353 (LB)	EVO Actuator Feedback (-)
32	938 (BK/LG)	Ground

Tape any exposed wires to prevent shorts.

Leave the module connected and turn the air suspension switch in the trunk ON.