



For ALL Your Air Suspension Needs!!!

1993-1998

Lincoln Mark 8



50F-15-R
Rear Air Springs



For ALL Your Air Suspension Needs!!!

WARNING:

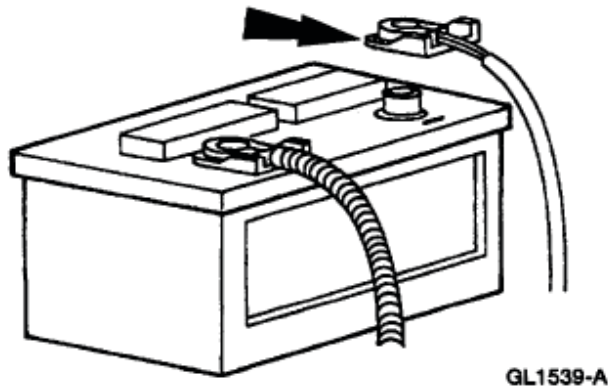
BEFORE YOU BEGIN THE REMOVAL OR INSTALLATION, READ ALL INSTRUCTIONS THOROUGHLY! THE WARRANTY WILL BE VOID IF INSTRUCTIONS ARE NOT FOLLOWED EXACTLY. DO NOT WORK UNDER CAR UNDER A VEHICLE SUPPORTED BY A JACK. ALWAYS SUPPORT THE VEHICLE ON SAFETY STANDS.

REAR AIR SPRING INSTALL

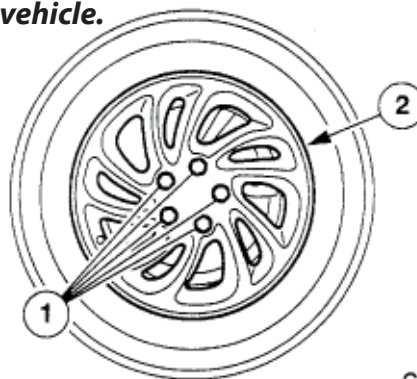
REMOVAL

WARNING: DO NOT REMOVE AN AIR SPRING UNDER ANY CIRCUMSTANCES WHEN THERE IS PRESSURE IN THE AIR SPRING. DO NOT REMOVE ANY COMPONENTS SUPPORTING AN AIR SPRING WITHOUT EXHAUSTING THE AIR.

1. **Vent the air springs.**



2. **Disconnect the battery ground cable.**
3. **Raise and support vehicle.**

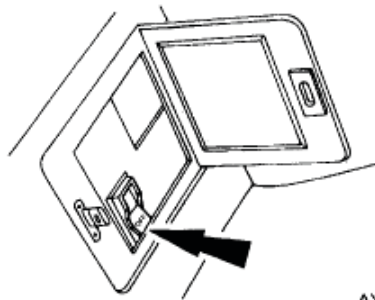


4. Remove the wheel and tire assembly.

1 Remove the lug nuts.

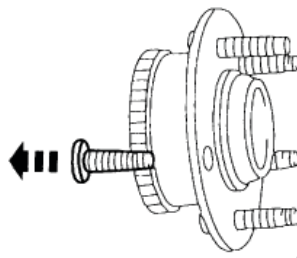
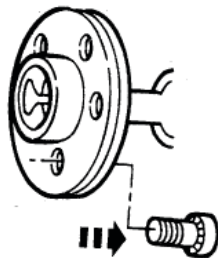
CAUTION: Never use a hammer to remove the lug bolt. Damage to the axle flange, hub flange, wheel bearing or hub bearing can result.

REMOVAL

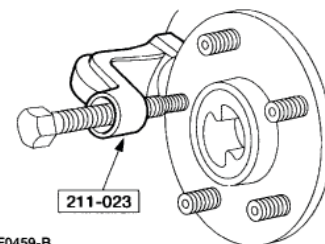


AY0003-B

1. Turn the air suspension service switch off, if so equipped. **WARNING. THE ELECTRICAL POWER TO THE AIR SUSPENSION SYSTEM MUST BE TURNED OFF PRIOR TO HOISTING, JACKING OR TOWING AN AIR SUSPENSION VEHICLE. FAILURE TO DO SO CAN RESULT IN UNEXPECTED INFLATION OR DEFLATION OF THE AIR SPRINGS OR SHOCKS WHICH CAN RESULT IN SHIFTING OF THE VEHICLE DURING THESE OPERATIONS.**
2. Raise the vehicle and install safety stands.
3. Remove the wheel and tire assembly.
4. Remove the rear disc brake caliper, rear disc support bracket and rear disc brake rotor if so equipped. Support the rear disc brake caliper with safety wire. If drum brake, proceed to Step 5.
5. Remove the rear brake drum.



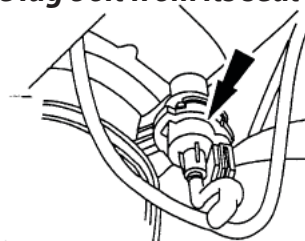
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DF0459-B

6. Using the C-Frame and Clamp Assembly Tool, press the lug bolt from its seat and discard.

2 Remove the wheel and tire assembly.

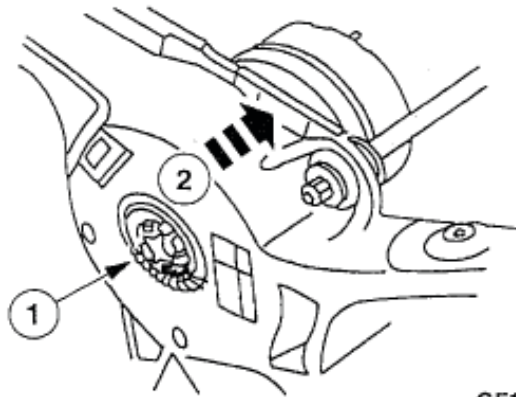


AF0107-A



For ALL Your Air Suspension Needs!!!

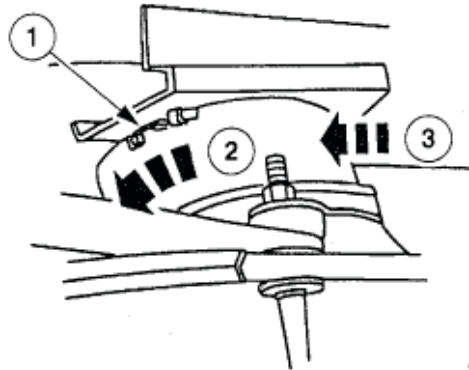
5. Remove the air spring solenoid. Leave air line and electrical connector hooked up.



GF1553-A

6. Separate the air spring from the rear suspension arm and bushing.

- 1 Release the plastic clips.
- 2 Compress the



GF1554-A

7. Separate the air spring from the body.
- 1 Depress the metal locking tab.
- 2 Rotate the air spring counterclockwise.
- 3 Carefully remove the air spring from the vehicle.

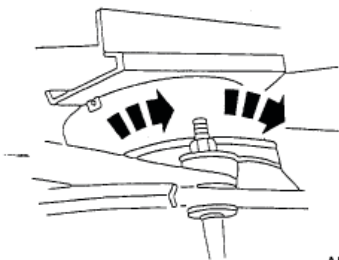
INSTALLATION

WARNING:

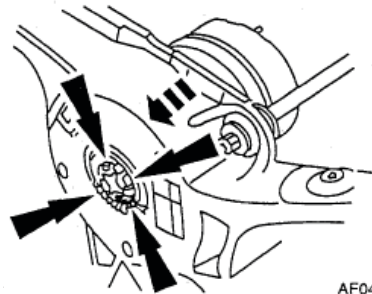
- * **TO PREVENT INJURY, DO NOT ATTEMPT TO INSTALLER INFLATE ANY AIR SPRING THAT HAS BECOME UNFOLDED. ANY AIR SPRING WHICH HAS UNFOLDED MUST BE REFOLDED OVER THE PISTON.**
- * **WHEN INSTALLING A NEW AIR SPRING, CARE MUST BE TAKEN NOT TO APPLY A LOAD TO THE SUSPENSION UNTIL SPRINGS HAVE BEEN INFLATED.**
- * **WHEN AIR SPRINGS ARE REPLACED THE AIR SUSPENSION HEIGHT SENSOR MUST BE CHECKED AND REPLACED IF DAMAGED.**
- * **AFTER INFLATING AN AIR SPRING IN HANGING POSITION, IT MUST BE INSPECTED FOR PROPER SHAPE.**
- * **DO NOT ATTEMPT TO INFLATE ANY AIR SPRING WHICH HAS BEEN COLLAPSED WHILE UNINFLATED FROM THE REBOUND HANGING POSITION TO THE JOUNCE STOP.**

NOTE: When the battery is disconnected and reconnected, some abnormal drive symptoms may occur while the vehicle relearns its adaptive strategy. The vehicle may need to be driven 16 km (10 mile) or more to relearn the strategy.

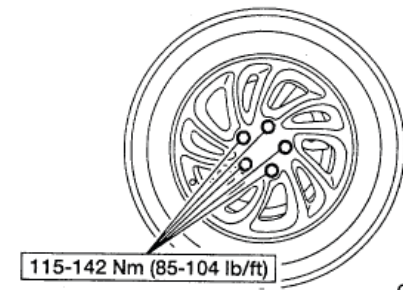
1. **Install the air spring into the body bracket and twist to lock in place.**
2. **Install the air spring piston into rear suspension arm. NOTE: Make sure that plastic clips are locked in place.**
3. **Install the air spring solenoid. Lubricate the solenoid and the surface of the air spring**



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AF0419-A



115-142 Nm (85-104 lb/ft)

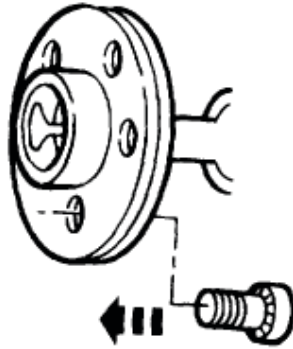
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4. **Install the wheel and tire assembly.**

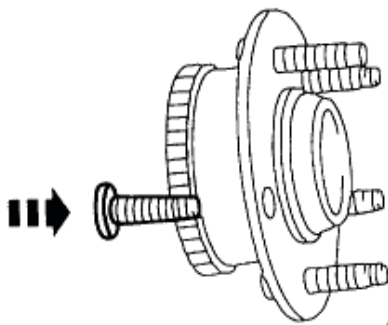
Install the lug nuts.

INSTALLATION

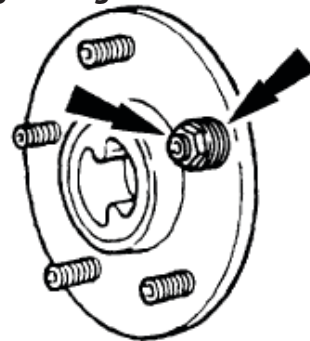
CAUTION: Never use air tools to install lug bolts. The serrations can be stripped from the stud.



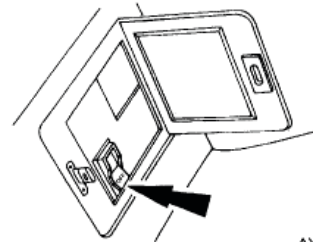
1. Insert a new lug bolt in the hole in the axle flange or hub flange, making sure the serrations are aligned with those made by the original lug bolt..



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2. Seat a new lug bolt in the axle flange or hub flange.
 - * Place four flat washers over the outside end of the lug bolt.
 - * Thread a standard lug nut with the flat side against the washers.
 - * Tighten the lug nut until the lug bolt head seats against the back side of the flange.
3. Remove the lug nut and flat washers.
4. Install the rear disc brake rotor, rear disc support bracket and the rear disc brake caliper, if so equipped. If drum brake. proceed to Step 5.
5. Install the rear brake drum.
6. Install the wheel and tire assembly.
7. Lower the vehicle.



AY0003-B

8. Turn the air suspension service switch ON, if so equipped.