



Congratulations on your selection to purchase an Arnott Air Suspension System. We at Arnott Air Suspension Systems are proud to offer a high quality product at the industries most competitive pricing. Thank you for your confidence in us and our product.

Proper installation is essential to experience and appreciate the benefits of this system. Please take a moment to review these installation instructions before you begin to install this system on your vehicle.

It is equally important to be aware of all necessary safety measures while installing your new Air Ride System. This includes proper lifting and immobilizing of the vehicle and isolation of any stored energy to prevent personal injury or property damage.

## *“Engineered to Ride, Built to last”*



**WARNING:** *The air suspension system is under pressure (up to 10 bar, or 150 lbf/in ) verify pressure has been relieved and disconnect power to the air ride system prior to disassembly. Do not allow dirt or grease to enter the system. Always wear standard protective hand, ear, and eye protection when servicing the air suspension system.*

### Kit contains:

| PARTS LIST |     |                          |
|------------|-----|--------------------------|
| P/N        | QTY | DESCRIPTION              |
| AS-2488/9  | 1   | REAR AIR SPRING ASSEMBLY |



### General information:

- \* Shocks not to be stored below 5 °F (-15 °C) and above 122 °F (50 °C).*
- \*Avoid damage to air lines and cables.*
- \*Removal and installation is only to be performed by full qualified personnel.*
- \*Use car manufacturer's diagnostic software.*



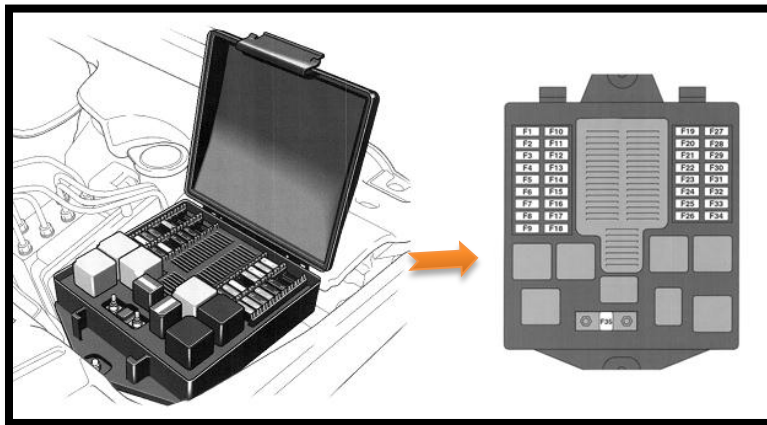
**\*CAUTION:** *Damage to the vehicle and air spring assembly can be incurred if work is carried out in a manner other than specified in the instructions or in a different sequence.*

**REAR AIR SPRING REMOVAL:**



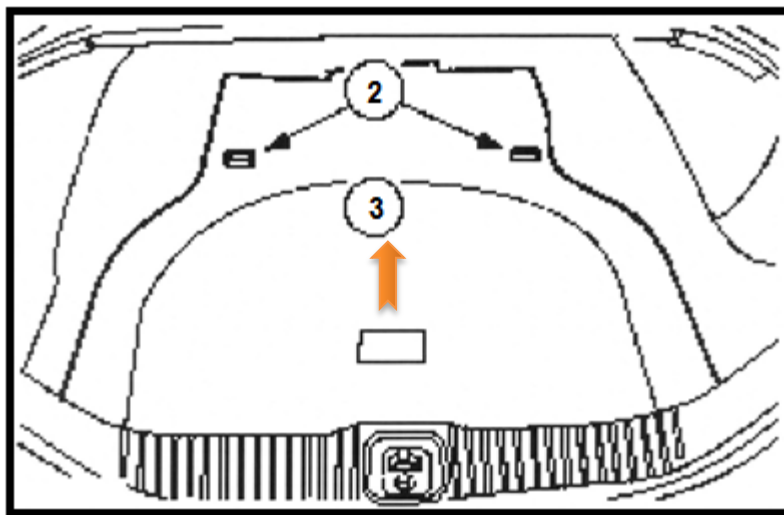
**THE IGNITION MUST REMAIN SWITCHED OFF DURING THE AIR SPRING REMOVAL AND REPLACEMENT.**

- 1.0 Locate and remove the air compressor relay (F6) (Figure A).



**Figure A**

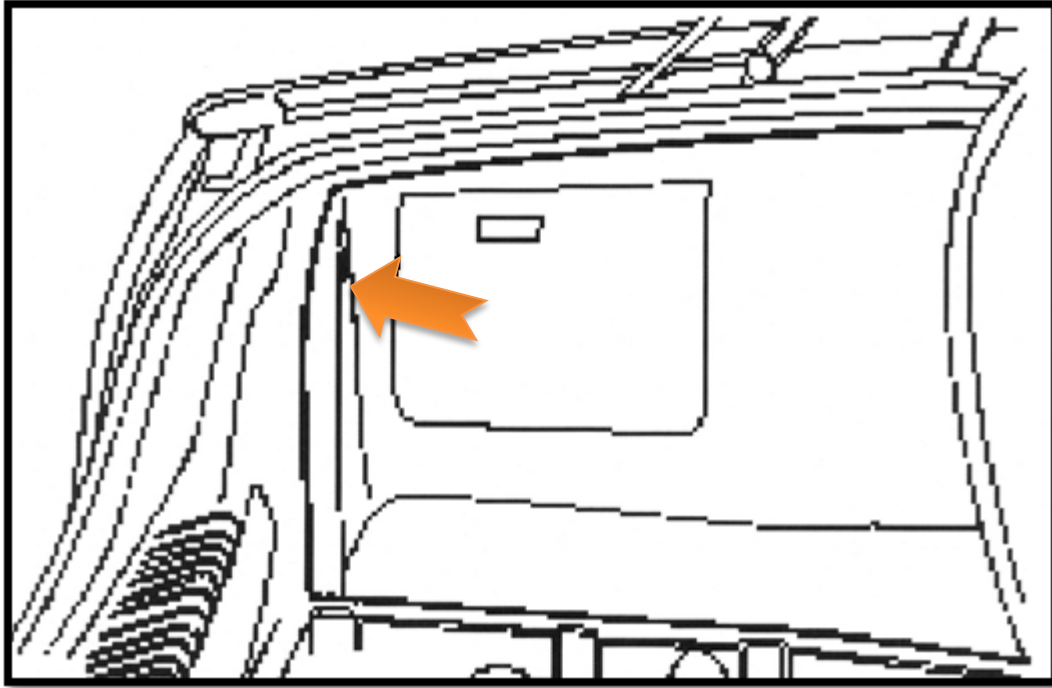
- 2.0 Remove the luggage compartment floor covering screws (Figure B).
- 3.0 Remove the luggage compartment floor covering (Figure B).



**Figure B**

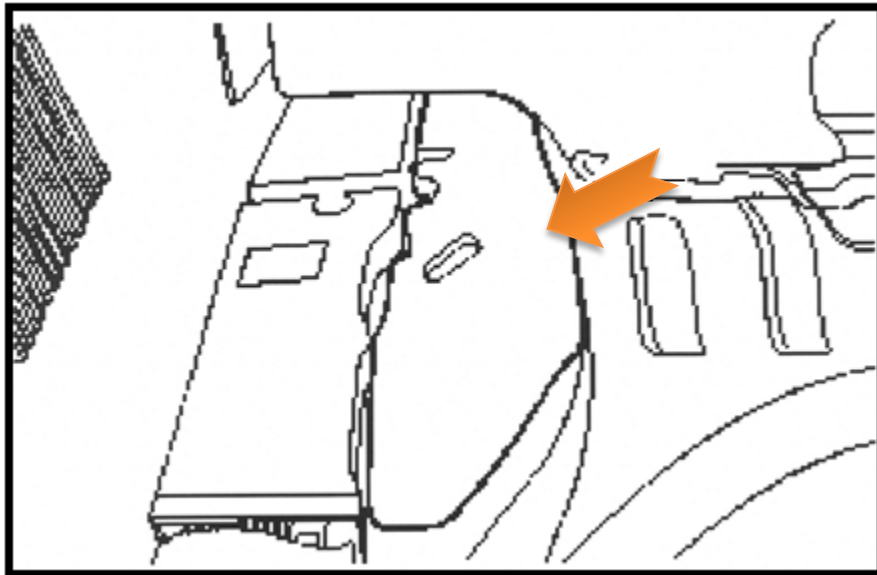


4.0 Remove the luggage compartment side trim (Figure C).



**Figure C**

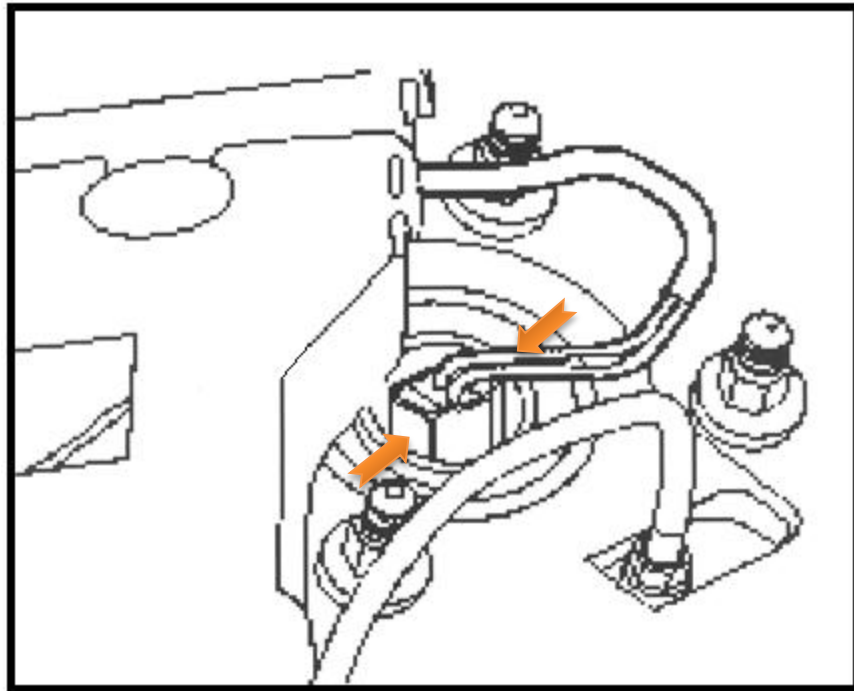
5.0 Remove the air spring trim panel (Figure D).



**Figure D**

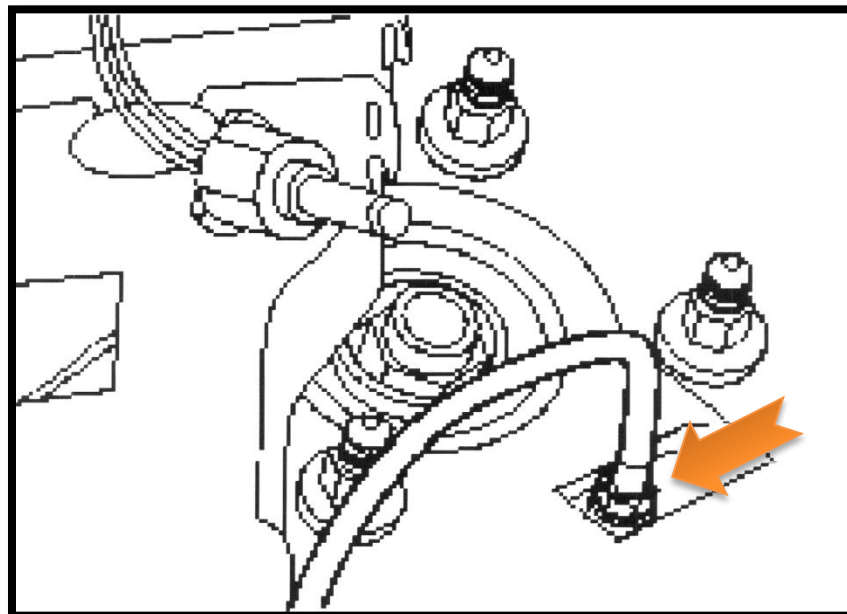


- 6.0 Disconnect the electrical connector from the top of the air spring (push on the sides of the connector to release) (Figure E).



**Figure E**

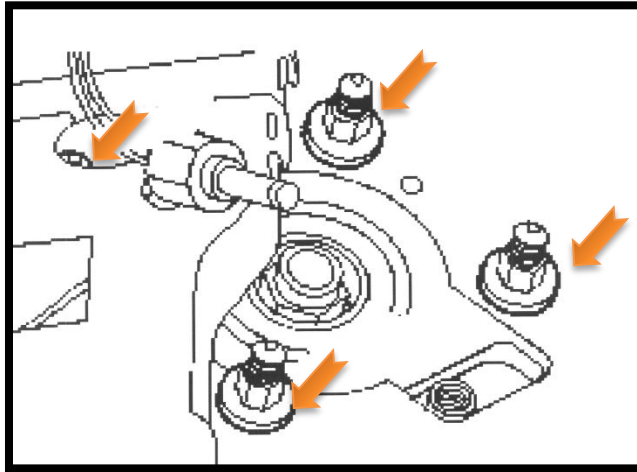
- 7.0 Disconnect the air line from the check valve (Figure F).



**Figure F**



8.0 Remove the four (4) air spring mounting nuts (Figure G).



**Figure G**



**USE LIFTING PLATFORM (HOIST) THAT IS CAPABLE OF RAISING THE BODY SEPARATELY FROM THE WHEELS, LIFT BODY AT THE LIFTING POINTS PRESCRIBED BY THE VEHICLE MANUFACTURER.**

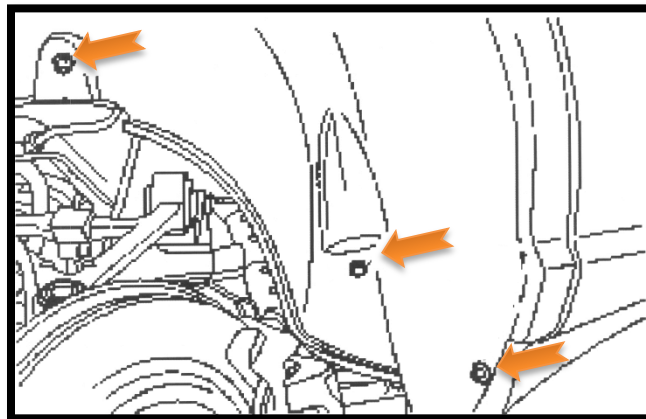
**VEHICLE SLIPPAGE CAN CAUSE DANGER TO LIFE AND LIMB.**

9.0 Raise vehicle.

10.0 Remove rear tire.

**NOTE: STEPS 11.0, 12.0 AND 13.0 ARE TO BE PERFORMED ONLY IF VIN RANGE IS BETWEEN G00442-G45703.**

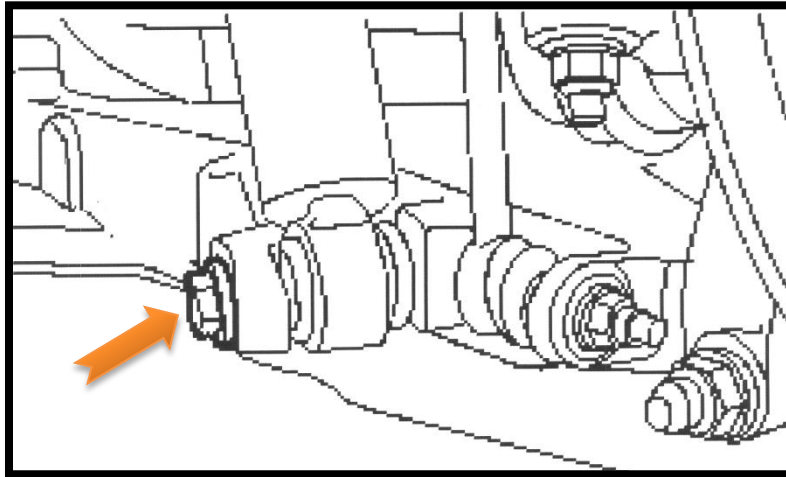
11.0 Detach and remove the rear fender splash shield (Figure H).



**Figure H**



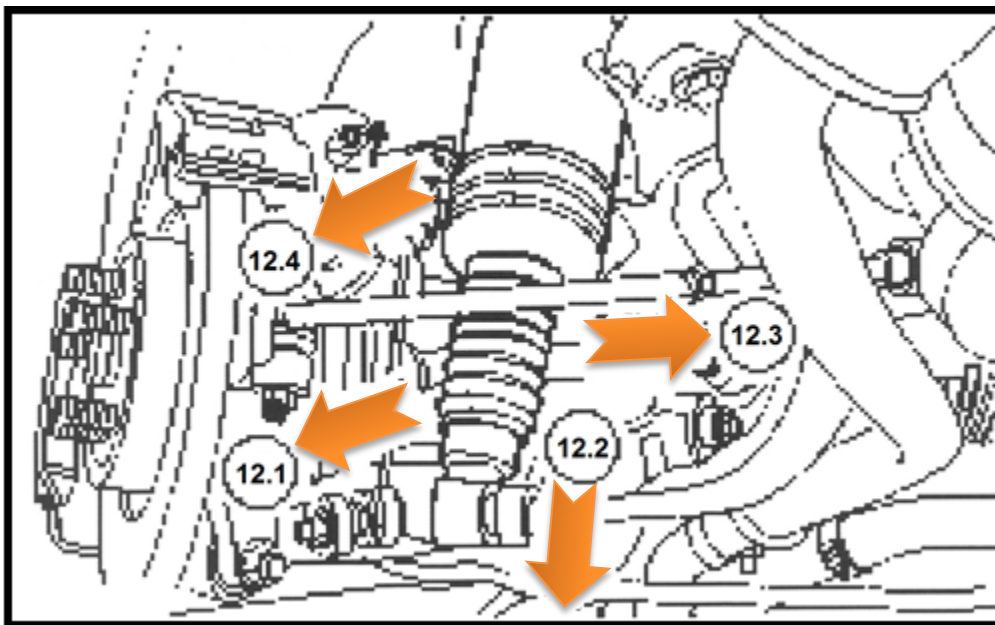
12.0 Remove the lower air spring mount bolt (Figure I).



**Figure I**

13.0 Remove air spring as follows (Figure J):

- 13.1 Displace the air spring lower mount from the lower arm.
- 13.2 Displace the air spring from the upper mount.
- 13.3 Position the air spring to the outside of the lower arm.
- 13.4 Remove air spring.

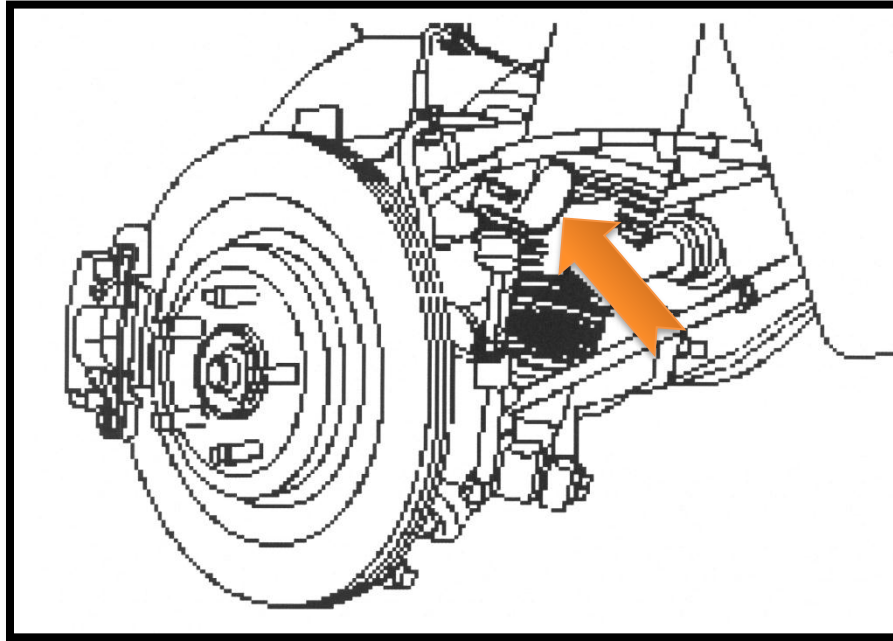


**Figure J**



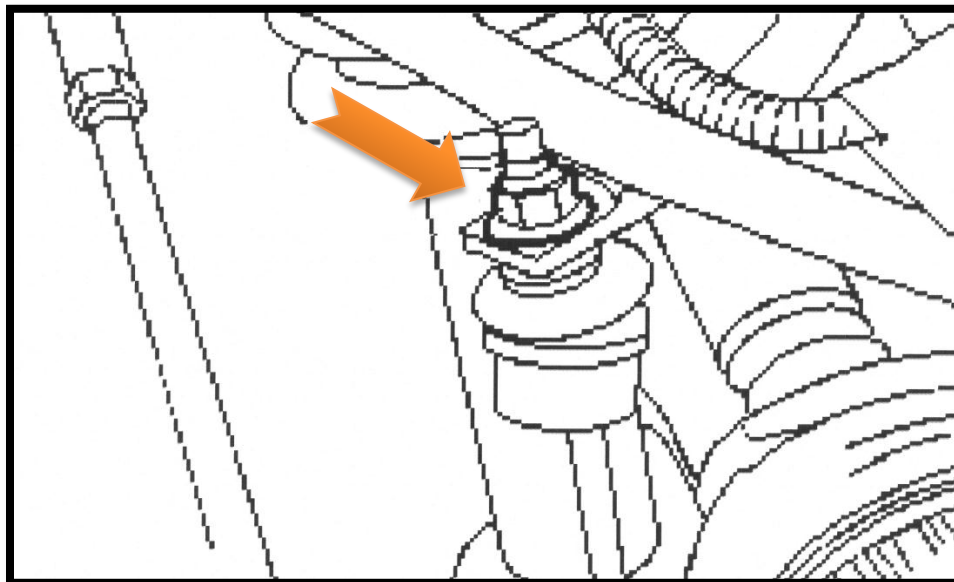
**NOTE: STEPS 14.0, 15.0 AND 16.0 ARE TO BE PERFORMED ONLY IF VIN RANGE IS BETWEEN G45704- G99999.**

14.0 Reposition the stabilizer bar link cover (Figure K).



**Figure K**

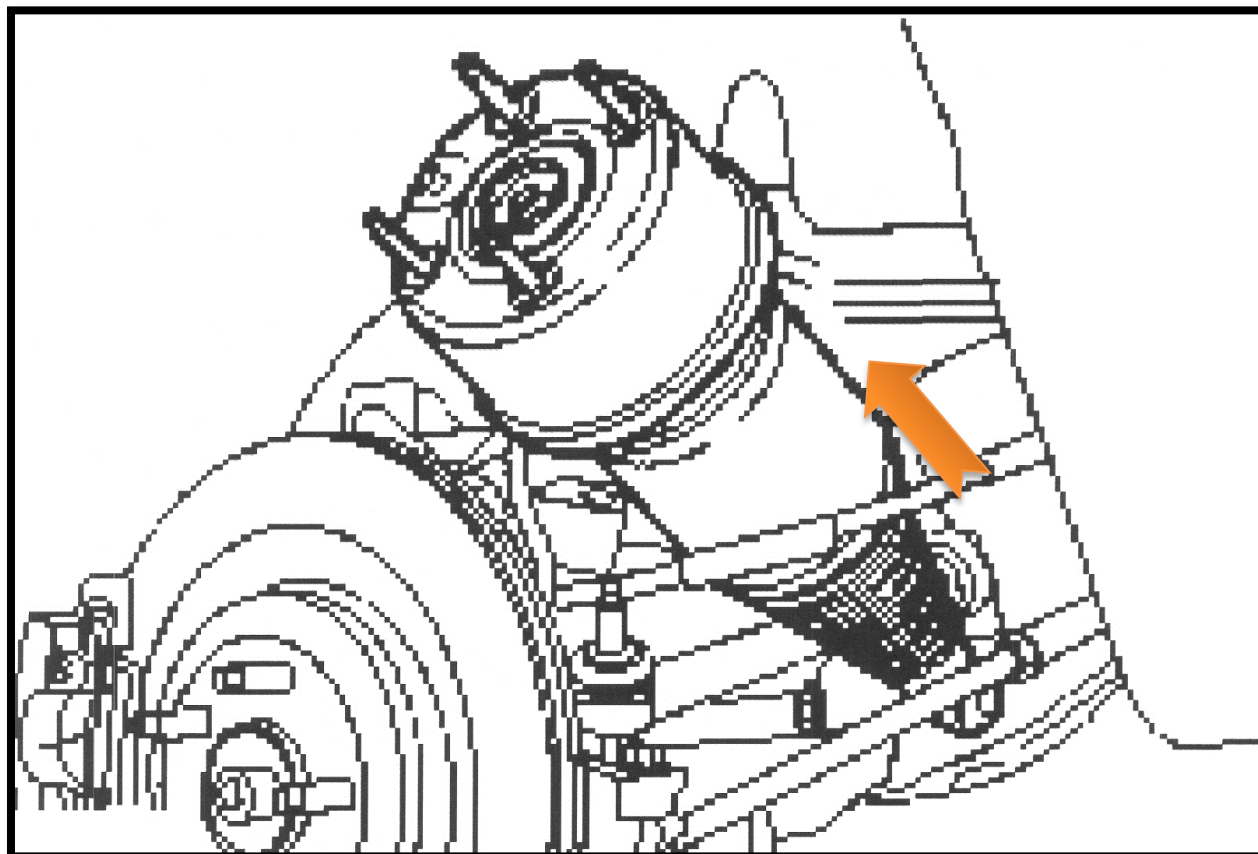
15.0 Detach the stabilizer bar link (Figure L).



**Figure L**



16.0 Remove air spring (Figure M).



**Figure M**

17.0 Removal Complete.

18.0 Installation is reverse order as removal (tighten all mounting hardware to factory specifications).

**TORQUE SPECIFICATIONS**

| Description                      | Nm  | lb-ft | lb-in |
|----------------------------------|-----|-------|-------|
| Shock absorber upper fixing nuts | 28  | 21    | -     |
| Lower shock absorber bolt        | 133 | 98    | -     |
| Stabilizer link mounting nuts    | 48  | 35    | -     |