

FIGURE 1

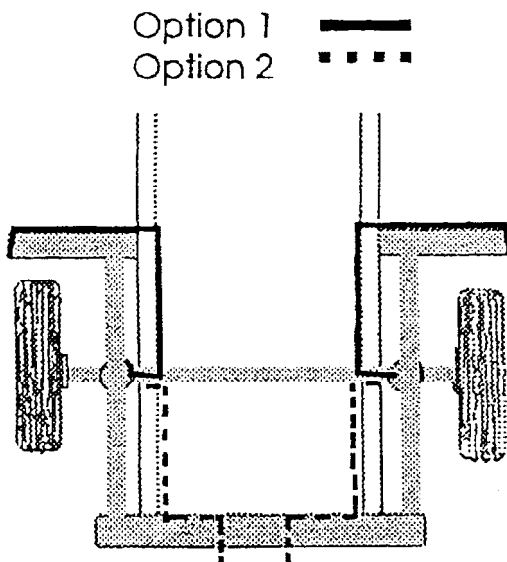


FIGURE 2

- 1 Before working on vehicle, ensure vehicle is located on safety stands and is secure.
- 2 Lower axle or raise body of vehicle until suspension is fully extended.
- 3 Coil springs must be removed from vehicle. Refer to workshop manual if uncertain of method. Generally, lower shock absorber mounts and maybe panhard rod must be disconnected.

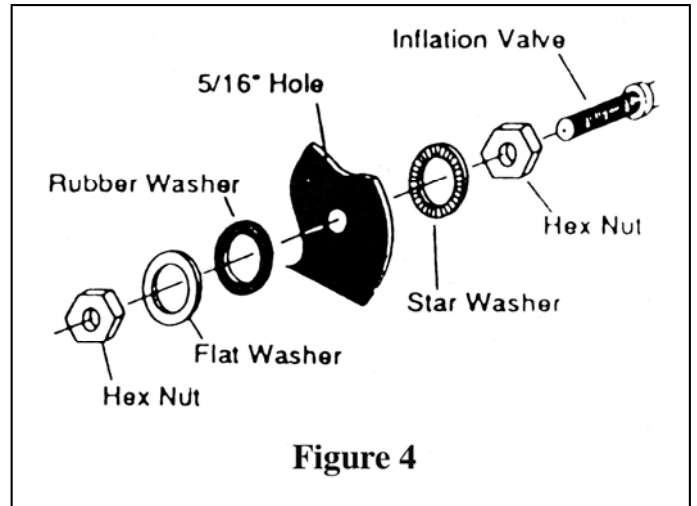
**CAUTION:**  
**OBSERVE TENSION ON BRAKE HOSE**  
**-DO NOT STRAIN -**

- 4 Fit metal retainer plate to top of coil bracket (drill 4 only 10mm (3/8") holes to secure).
- 5 Insert flattened air cylinders into coil with stem at top. **Note:** Rubber protector to fit on top of air bag, smaller end up.
- 6 Refit coil spring and push the cylinder up within the coil by hand or with a blunt instrument such as a spoon-type tyre iron.
- 7 When the cylinder is completely within the coil, remove the cap and allow the cylinder to assume its "as moulded" shape.
- 8 Push cylinder to the top of the coil spring.
- 9 Select a location for the inflation valves in the rocker sills or rear floor pan ensuring that each valve will be protected and accessible with an air hose (Figure 2).
- 10 Determine hose routing and cut adequate length of tube.

**CAUTION:**  
**LEAVE SUFFICIENT HOSE SLACK**  
**TO PREVENT ANY STRAIN ON**  
**VALVE STEM DURING NORMAL**  
**AXLE MOTIONS.**

- 11 Attach air hose to bag (refer A,B,C overleaf) and thread airline through centre of spacer (if supplied).
- 12 Push air bag into coil with hose/stem at top of coil.

- A. Slide metal hose clamp onto cut tubing.
- B. Push the tube onto the stem, covering all the barbs.
- C. Slide the metal hose clamp forward until it fully covers barbed section.  
Repeat process for right side.
- D. Drill 5/16" (8.0mm) hole for inflation valves and mount as illustrated. (Rubber washer for outside weather seal.)  
Route tubing along frame to inflation valve location and cut off excess. Secure with plastic straps.
- E. Slide metal hose clamp onto tubing and push tubing onto the fitting, covering all the barbs.
- F. Slide the metal hose clamp forward until it fully covers the barbed section.



**DO NOT INFLATE AIR CYLINDERS BEFORE READING INFLATION PROCEDURES.**

- G. Raise axle or lower body until air cylinders lightly touch upper and lower spring seats.
- H. Check TAIL PIPE clearance and ensure that it is at least 3-4 inches (75-100 mm) from air cylinders. If necessary, loosen clamps and rotate or move to obtain additional clearance.
- I. Inflate cylinders to 25lbs. (170kpa) air pressure.
- J. Test for air leaks by applying a liquid soap solution to all valve cores, fittings and connections.
- K. Deflate Polyair Springs to determine best ride and handling. Sufficient air pressure must be maintained to help prevent bottoming-out.

**AN ABSOLUTE MINIMUM OF 5 psi MUST BE KEPT AT ALL TIMES.**

**CAUTION:  
DO NOT EXCEED VEHICLE  
MANUFACTURER'S GROSS  
VEHICLE WEIGHT RATING.**

**INITIAL INFLATION PROCEDURES**

**\* CAUTION •**

**INFLATE BEFORE LOADING**

TO OPERATE THE AIR SPRING UNITS, INFLATE THE CYLINDERS TO THE PRESSURE INDICATED BELOW.  
LOAD THE VEHICLE THEN DECREASE THE PRESSURE UNTIL THE VEHICLE IS LEVEL DO NOT ATTEMPT TO RAISE A LOADED VEHICLE BY INFLATING THE AIR SPRINGS IF LOADED.  
"JACK" UP BODY OF VEHICLE UNTIL LEVEL. AND THEN INFLATE TO THE DESIRED PRESSURE.

<b>MINIMUM</b>	<b>MAXIMUM</b>
<b>PRESSURE</b>	<b>PRESSURE</b>
<b>5 p.s.i.</b>	<b>30 p.s.i.</b>

**MAINTENANCE TIPS:** Always maintain at least 5 lbs (38 kpa) air pressure in the Air Springs to prevent chafing. When loading it is good practice to increase the inflation pressure of the tyres in proportion to the load being carried.