



Congratulations on your selection to purchase an Air Strut 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 Strut 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
21-6188	2	MERCEDES S-CLASS AIR STUT
29-6227	2	8" TIE WRAP





### 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 shock assembly can be incurred if work is carried out in a manner other than specified in the instructions or in a different sequence.*

### FRONT AIR SHOCK REMOVAL:



The ignition must remain switched off during the shock removal and replacement.

- 1.0 Set steering to straight ahead.
- 2.0 Remove wheel. (Figure A)
- 3.0 Remove airline with 10mm wrench. (Figure B)



Figure A



Figure B



4.0 Remove all three mount bolts. (Figure C)

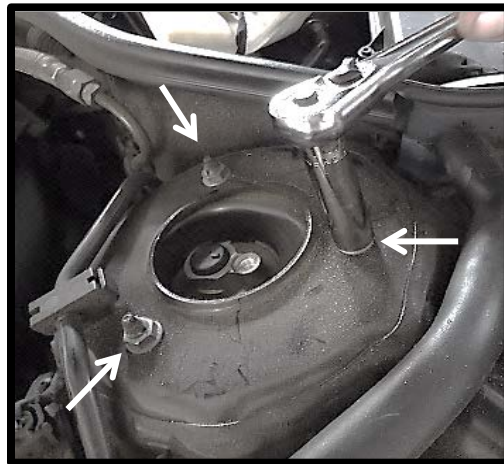


Figure C

5.0 Locate electrical connector and remove retaining clip. (Figure D)

6.0 Slide out backwards. (Figure E)



Figure D



Figure E



7.0 Separate the two electrical connectors. (Figure F)

8.0 Follow wire and remove. (Figure G)

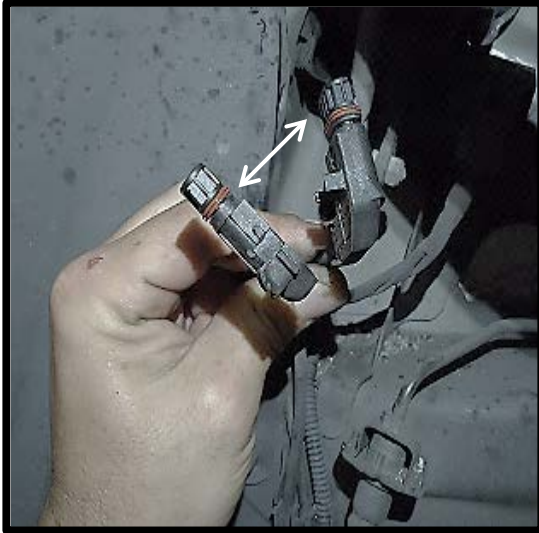


Figure F

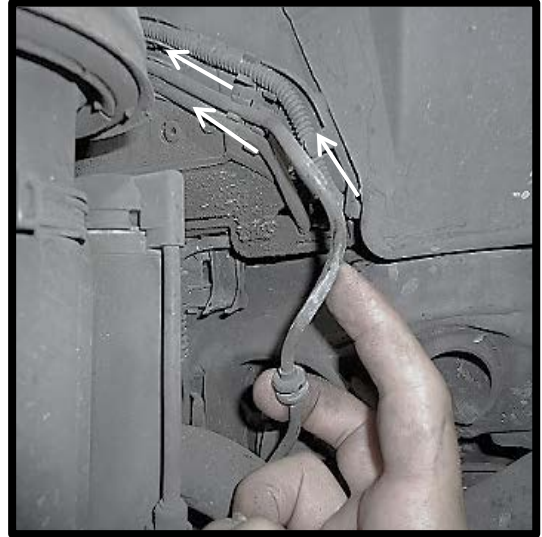


Figure G

9.0 With pliers remove clip. (Figure H)

10.0 Locate break line holder. (Figure I)

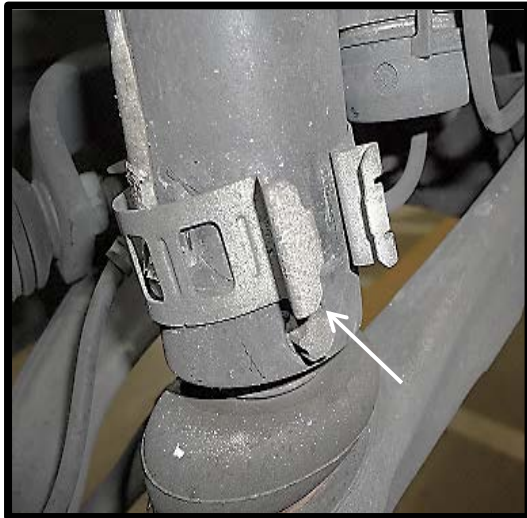


Figure H



Figure I





11.0 Clip cable ties. (Figure J)

12.0 Remove break line holder. (Figure K)



Figure J



Figure K

13.0 Locate and loosen set screws. (Figure L)

14.0 Loosen upper A arm bolt. (Figure M)



Figure L



Figure M



15.0 Using a ball joint splitter, separate the A arm from the knuckle assembly (Figure N & O)



Figure N



Figure O

16.0 Pull down on knuckle assembly, lift and remove shock. (Figure P & Q)

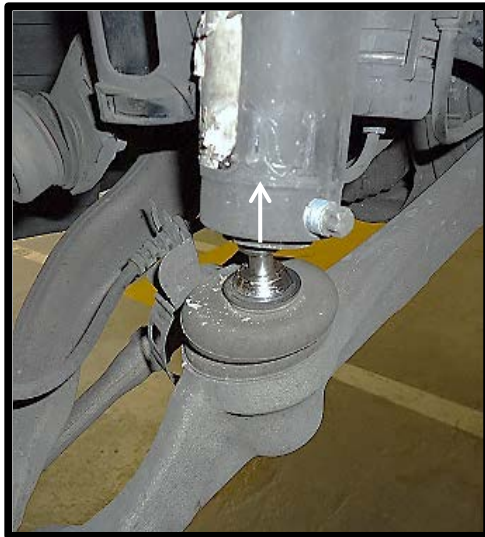


Figure P



Figure Q





**FRONT AIR SHOCK REPLACEMENT:**

1.0 Insert new shock to be mounted. (Figure A & B)



Figure A



Figure B

2.0 Pull down on knuckle assembly to get lower ball joint under shock. (Figure C)

3.0 Reattach upper A arm to knuckle assembly. (Figure D)



Figure C



Figure D



4.0 Tighten ball joint to manufacturer's specifications. (Figure E)

5.0 Tighten lower set screws to manufacturer's specifications. (Figure F)



Figure E



Figure F

6.0 Reattach clip. (Figure G)

7.0 Reinstall break line holder with supplied cable ties. (Figure H)



Figure G



Figure H





8.0 Reconnect electronic connectors. (Figure I)

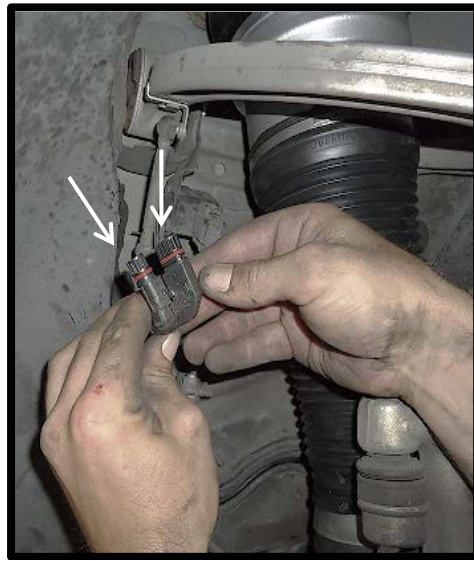


Figure I

10.0 Install retaining clip. (Figure J & K)



Figure J



Figure K



- 11.0 Tighten top three mount nuts to manufacturer's specifications. (Figure L)
- 12.0 Install air line, tighten just past finger tight. (Figure M)



Figure L



Figure M

- 13.0 Reinstall tire and tighten to manufacturer's specifications.
- 14.0 Start engine, wait 2 minutes, operate the raising function to activate the airmatic system.
- 15.0 Installation complete.