



Congratulations on your selection to purchase an Air Strut System. We at Arnett 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
21-4893	2	FRONT RIGHT AIR STRUT





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.



Figure A

- 2.0 Remove wheel. (Figure A)



Figure B

- 3.0 Remove harness from mounting bracket. (Figure B)



FIGURE C

4.0 Disconnect electrical plug. (Figure C)



FIGURE D

5.0 Remove all three top bolts. (Figure D)



FIGURE E

6.0 Loosen and remove airline. (Figure E)



FIGURE F

7.0 Loosen and remove upper A arm bolt. (Figure F)



FIGURE G

8.0 Loosen and remove lower control arm bolts. (Figure G)



FIGURE H

9.0 Remove upper arms from hub assembly. (Figure H)



FIGURE I

- 10.0 Slide shock over control arm. Shock will slowly come out from top mount area. (Figure I)



FIGURE J

- 11.0 Guide wire down while removing shock. (Figure J)



FIGURE K

- 12.0 Loosen and remove 4 top mounting bolts from shock. (Figure K)



FIGURE L

13.0 Remove top section. (Figure L)

FRONT AIR SHOCK REPLACEMENT:

1.0 Installing new shock. (Figure A)



Figure A



FIGURE B

2.0 Cut off zip tie, securing harness to valve holder for shipping. (Figure B)



FIGURE C

3.0 Remove 4 top mounting bolts. (Figure C)



FIGURE D

4.0 Reinstall top mount. Follow the orientation previously held. (Figure D)



FIGURE E

5.0 Reinstall supplied hardware. (Figure E)



FIGURE F

6.0 Lift shock into vehicle. (Figure F)



FIGURE G

7.0 Tighten all 3 top mount bolts. (Figure G)



FIGURE H

8.0 Reinstall lower control arm bolt. Tighten to manufactures specifications. (Figure T)



FIGURE I

9.0 Reinstall control arms to hub Assembly. Slide bolt through, and tighten to manufactures specifcatons. (Figure I)

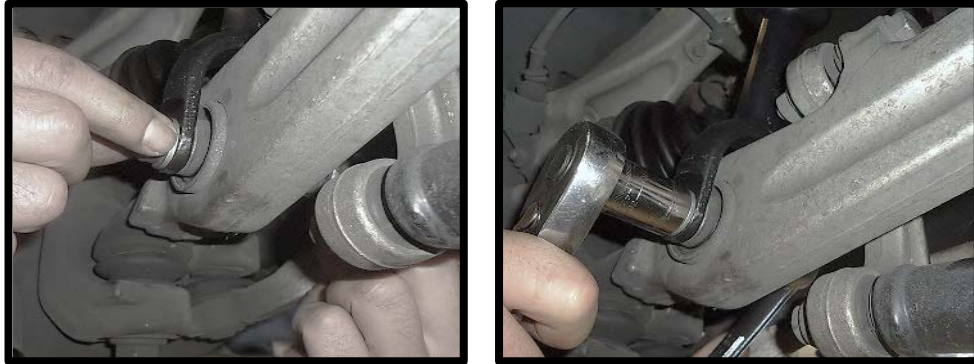


Figure J

10.0 Tighten lower control arm bolts to manufactures specifications. (Figure J)



Figure K

11.0 Locate air line and remove collar. (Figure K)

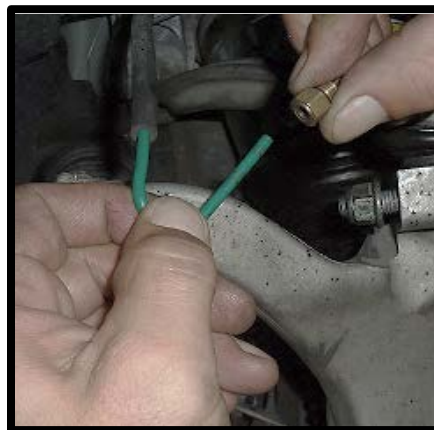


FIGURE L

12.0 Remove voss fitting. (Figure L)



FIGURE M



FIGURE N

13.0 Remove white shipping pin from new voss fitting. (Figure M)

14.0 Install air line into new voss fitting be sure to firmly seat the air line into the new fitting. (Figure N)



FIGURE O

15.0 Reconnect electrical connectors, and place back into holding brackets. (Figure O)



FIGURE P

16.0 Reinstall wheel. (Figure P)

17.0 Installation complete.