



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 may be 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
21-6091	2	REAR COIL SPRING CONVERSION STRUTS
21-6147	1	SPOOFER





NOTE: In the information center, locate and turn off the air suspension.



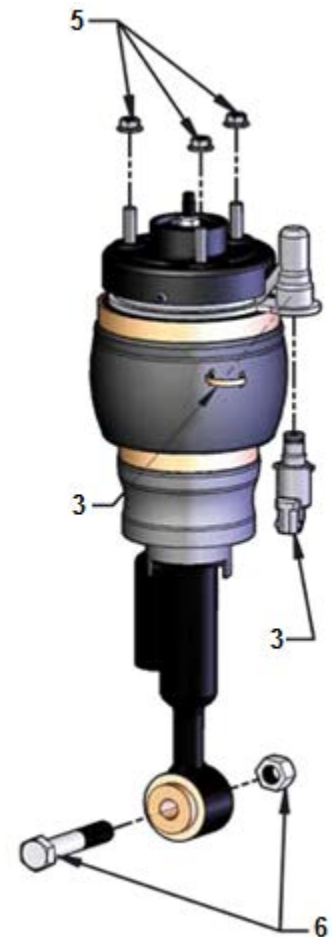
WARNING: The air suspension system is under pressure (up to 10 bar, or 150 lbf/in). Do not allow dirt or grease to enter the system. Always wear standard protective hand, ear, and eye protection when servicing the air suspension system.

REMOVAL

1. Safety raise and support the vehicle.
2. Remove the wheel and tire assembly.
3. Discharge the remaining air from the strut by carefully removing the solenoid clip. Then carefully turn solenoid to release the air pressure.
4. Loosen and remove the tie rod to knuckle ball joint.
5. Loosen and remove the strut to body nuts at the top.
6. Remove the shock mount to lower control arm bolt and nut.
7. With all fasteners removed, pull the strut loose from its mounting position.

Reinstall into vehicle in the reverse order of removal.

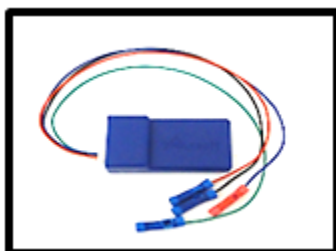
**NOTE: UNPLUG AND REMOVE THE AIR SPRING SOLENOIDS.
LEAVE THE AIR SUSPENSION TURNED OFF.**





SPOOFER INSTALLATION:

PARTS LIST		
P/N	QTY	DESCRIPTION
21-6147	1	SPOOFER



21-6147



Figure A

1. Locate air suspension module under the left side of dash between the emergency brake and the standard brake pedals. (Figure A)



Figure B

2. Unplug the two multi pin connectors from the air suspension module and leave disconnected. (Figure B)



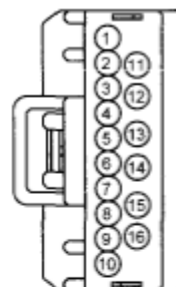
NOTE: All connectors of spoofer will be made to the larger 16 pin connector.

MULTI PINNED
CONNECTOR #1

C2131A (GY)

12A581

Air suspension module



Pin	Circuit	Gauge	Circuit Function	Qualifier
1	-	-	Not Used	
2	-	-	Not Used	
3	CBB65 (WH-OG)	18	Voltage supplied in Start and Run (overload protected)	
4	-	-	Not Used	
5	GD120 (BK-GN)	18	Ground	
6	CCL01 (WH-VT)	18	Rear air suspension relay control	
7	CCL14 (BN-VT)	18	Air suspension pump vent control	
8	-	-	Not Used	
9	VDB05 (WH)	20	HS CAN -	
10	VDB04 (WH-BU)	20	HS CAN +	
11	SBB47 (WH-RD)	14	Voltage supplied at all times (overload protected)	
12	SBB47 (WH-RD)	14	Voltage supplied at all times (overload protected)	
13	-	-	Not Used	
14	GD120 (BK-GN)	14	Ground	
15	-	-	Not Used	
16	-	-	Not Used	

C2131A

NOTE: USE ABOVE AND BELOW CHART TO PROPERLY CONNECT SPOOFER WIRING TO 16 PIN SUSPENSION MODULE CONNECTER.

Augmenter	Signal Name	Navigator Suspension Module Connector (16 pin connector)
1 (Blue)	Can High +	10 (White/Blue Stripe)
2 (Green)	Can High -	9 (White)
3 (Red)	Battery	3 (White/Orange Stripe)
4 (Black)	Ground	5 (Black/Green Stripe)

NOTE: Leave two multi pin connectors disconnected while spoofer is installed.