

AIR LIFT
PERFORMANCE

INSTALLATION GUIDE



Kit 75658

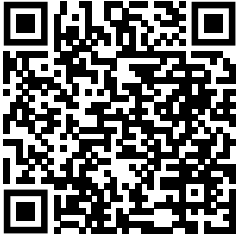
Audi B8& B9 Platform

REAR APPLICATION

For maximum effectiveness and safety, please read these instructions completely before proceeding with installation.

Failure to read these instructions can result in an incorrect installation which could result in damage to the vehicle, minor to severe personal injury or death.

Protect your Air Lift Performance Purchase by Completing your Warranty Registration



Thank you for purchasing an Air Lift Performance product!

Take a photo of your sales receipt and then scan the
QR code to complete your online warranty registration.

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Introduction

Air Lift Performance thanks you for purchasing the most complete, fully engineered high-performance air suspension made for the Audi A4 B8 Platform. Read these installation instructions to correctly and safely set up the vehicle for a #lifeonair.

Air Lift assumes that the installer has the mechanical knowledge and ability to work on vehicle suspension systems and has basic tools necessary to complete a suspension replacement project. Special tools needed to complete the installation are noted on the *System Overview* page.

Air Lift reserves the right to make changes and improvements to its products and publications at any time. For the latest version of this manual, contact Air Lift Performance at **(800) 248-0892** or visit **www.airliftperformance.com**.

An Air Lift Performance air management system is highly recommended for this product. Learn more at **air-lift.co/productlines**.

NOTATION EXPLANATION

Hazard notations appear in various locations in this publication. Information which is highlighted by one of these notations must be observed to help minimize risk of personal injury or possible improper installation which may render the vehicle unsafe. Notes are used to help emphasize areas of procedural importance and provide helpful suggestions. The following definitions explain the use of these notations as they appear throughout this guide.



DANGER

INDICATES IMMEDIATE HAZARDS WHICH WILL RESULT IN SEVERE PERSONAL INJURY OR DEATH.



WARNING

INDICATES HAZARDS OR UNSAFE PRACTICES WHICH COULD RESULT IN SEVERE PERSONAL INJURY OR DEATH.



CAUTION

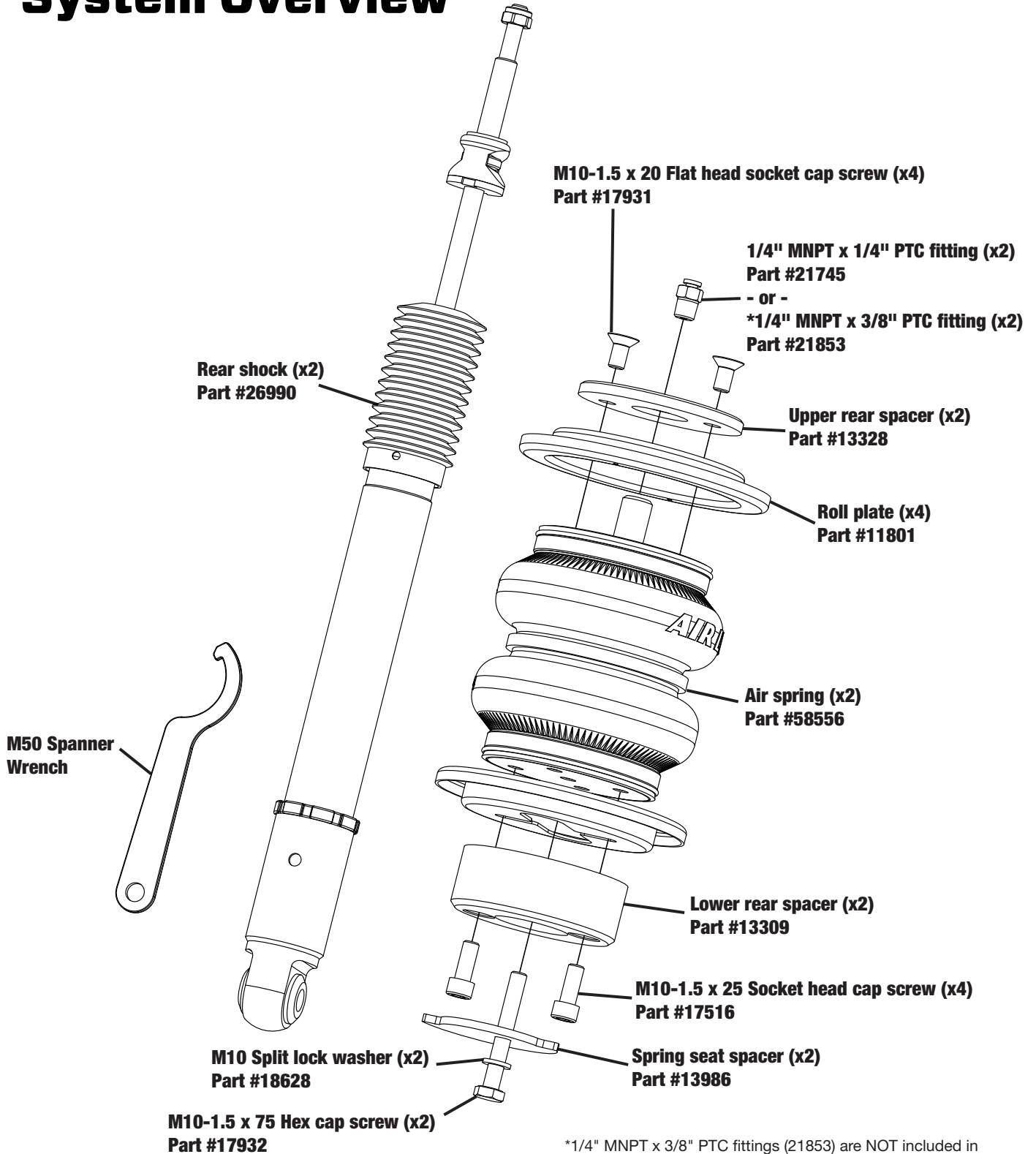
INDICATES HAZARDS OR UNSAFE PRACTICES WHICH COULD RESULT IN DAMAGE TO THE VEHICLE OR MINOR PERSONAL INJURY.



NOTE

Used to help emphasize areas of procedural importance and provide helpful suggestions.

System Overview



*1/4" MNPT x 3/8" PTC fittings (21853) are NOT included in this kit, but are available as a special order.



Missing or damaged parts? Call Air Lift customer service at (800) 248-0892 for a replacement part.

Installing the System

IMPORTANT SAFETY NOTICES



DO NOT INFLATE AIR SPRINGS WHILE OFF OF THE VEHICLE. DAMAGE TO ASSEMBLY MAY RESULT AND VOID WARRANTY.



DO NOT WELD TO OR MODIFY PERFORMANCE STRUTS/SHOCKS IN ANY WAY. DAMAGE TO UNIT MAY OCCUR AND WILL VOID WARRANTY.



AFTER INSTALLATION, ENSURE ALL ORIGINAL EQUIPMENT VEHICLE SAFETY FEATURES ARE PROPERLY CALIBRATED BY A QUALIFIED TECHNICIAN. CHANGING VEHICLE HEIGHT MAY AFFECT FUNCTIONING OF SAFETY SENSORS AND CAMERAS.

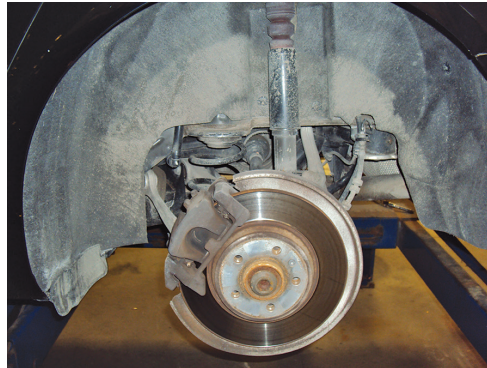
SECTION 1.

PREPARE THE VEHICLE

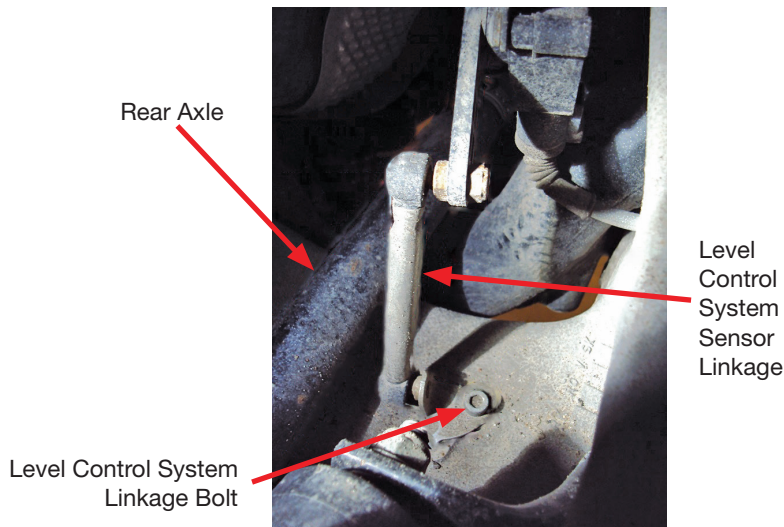


RAISE THE REAR OF THE VEHICLE WITH A JACK OR HOIST AT THE APPROVED LIFTING POINTS AND USE SAFETY STANDS TO SUPPORT THE VEHICLE.

1. Support the vehicle with safety stands or a hoist at approved lifting points.
2. Remove rear wheels.



3. Disconnect the level control system sensor linkage from the lower control arm.

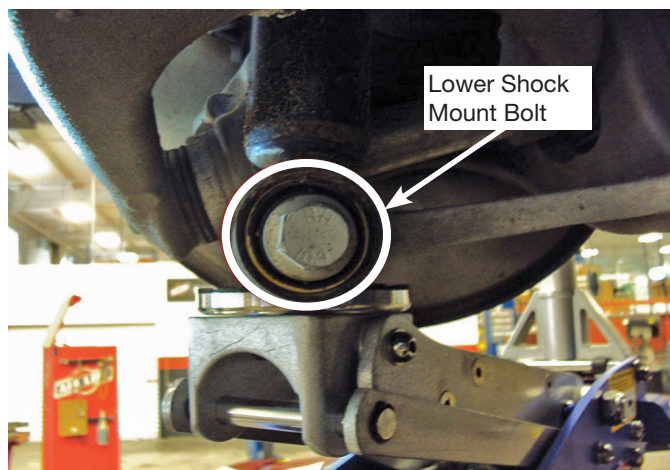
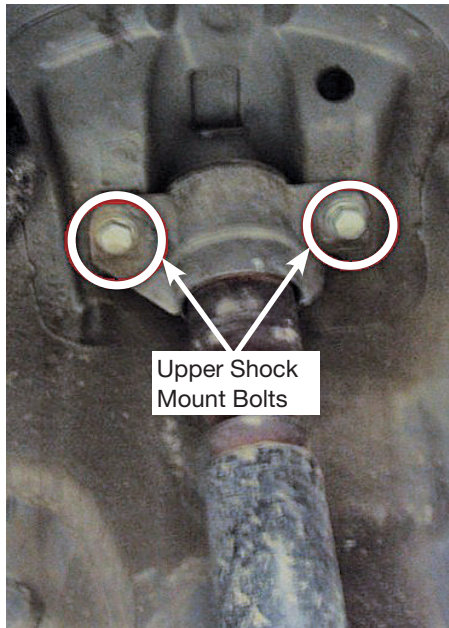


SECTION 2.**STOCK SUSPENSION REMOVAL**

1. Support the hub assembly before beginning work.
2. Remove the inner fender liners from both sides.



3. Unbolt the upper and lower shock mounts and remove from the vehicle.





THE COIL SPRING IS UNDER COMPRESSION. THE COIL SPRING SHOULD BE REMOVED USING FACTORY PRESCRIBED GUIDELINES.

- Using a coil spring compressor, remove the rear coil springs along with upper and lower isolators.



- Directly above the upper coil spring seat, remove the rubber plug.



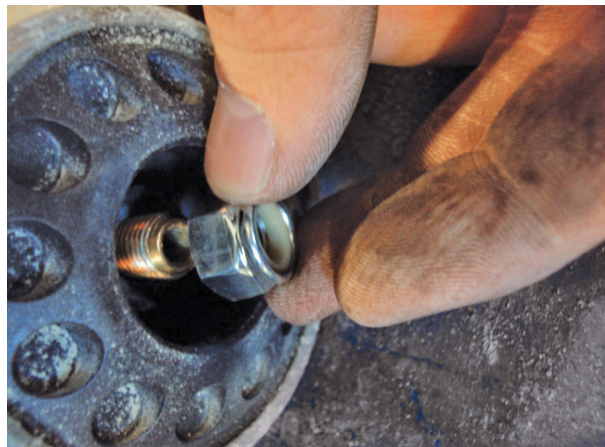
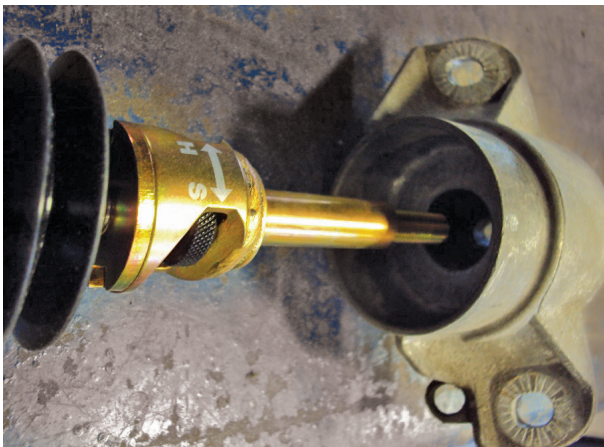
SECTION 3.

INSTALL THE AIR SUSPENSION



DAMAGE MAY OCCUR TO THE SHOCK IF AN IMPACT WRENCH IS USED.

- Remove the upper bracket from the OE shock and install on to the Air Lift Performance shock.



- Tighten the nylon lock nut on the shock rod to 27Nm (20 lb.-ft.).
- Attach the shock to the vehicle chassis and torque upper bracket bolts to 50Nm + 45 degree turn (37 lb.-ft. + 45 degree turn). Install but do not tighten the lower shock mount bolt at this time.

- Tighten the appropriate fitting to the air spring 1 3/4 turns beyond hand-tight.



- Collapse the air spring and install over the lower coil spring perch with the boss going through the vehicles upper coil spring perch. With the air spring assembly fully seated at the upper spring seat, check the clearance around the roll plate. Some vehicles may require a slight clearance modification to the chassis.

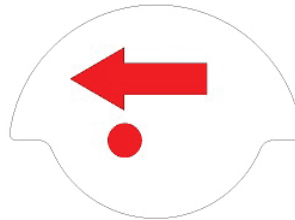


- Carefully run the air line through the plug that was previously removed and through the upper spring perch hole. Connect the air line into the air spring.



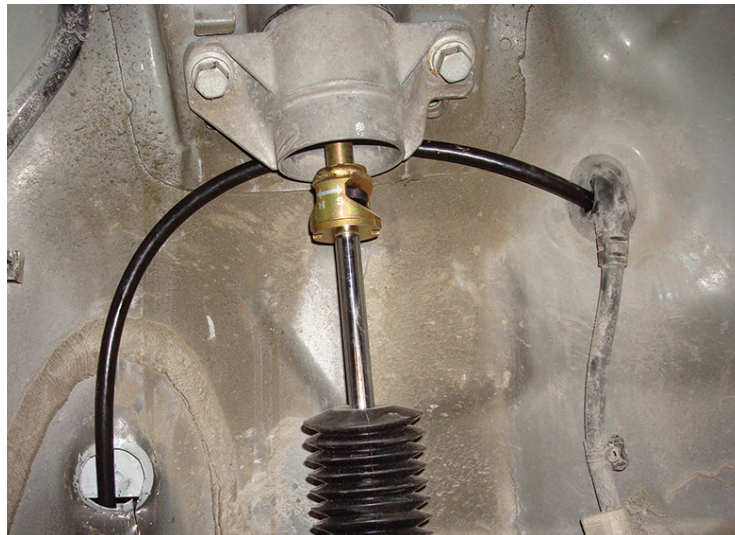
- The supplied spacer is shaped to fit with the contour of the underside of the lower control arm. The bolt hole of this spacer is not on the center. This hole must be located so that it is closest to the front of the vehicle. Install an M10 lock washer on the supplied bolt, thread bolt through the spacer and lower control arm and into the air spring assembly. Torque to 20Nm (15 lb.-ft.).

**FRONT OF
VEHICLE**



Wheel/Tire

- At this point, securely route the air line away from heat sources and suspension components. Best practice is to route the air line behind the fender liner paying close attention to shock travel. Failure to protect the line from the shock may result in kinked hose. Fold the bent sheet metal into position while being cautious not to pinch the air line. Seal the cut edges with silicone.



- Compress the suspension fully and check clearance around the air spring and air line.
- Reattach the inner fender liners and wheels.

SECTION 4. ROUTING THE AIR LINES



AFTER INSTALLATION, ENSURE ALL ORIGINAL EQUIPMENT VEHICLE SAFETY FEATURES ARE PROPERLY CALIBRATED BY A QUALIFIED TECHNICIAN. CHANGING VEHICLE HEIGHT MAY AFFECT FUNCTIONING OF SAFETY SENSORS AND CAMERAS.

- Fully compress the suspension using a jack. With the suspension compressed, review the best routing for the air line that is clear of all suspension and steering components.
- Routing should allow for the suspension to extend and steer without kinking, pulling the line tight or rubbing on other components. Following the brake line routing is often a good place to start. Check clearances to all other components.

Before Operating

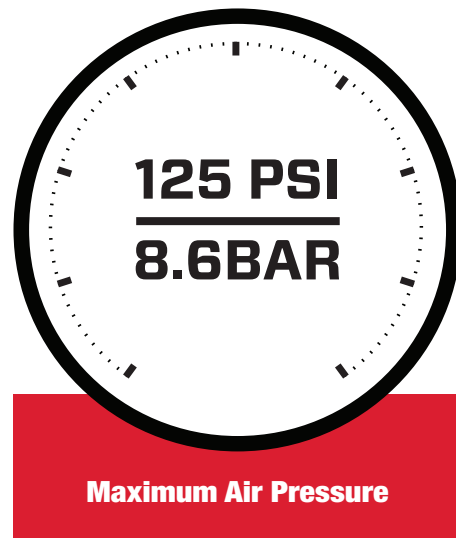
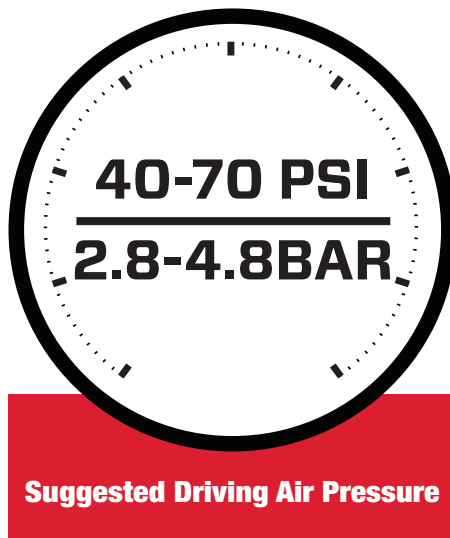
SET THE RIDE HEIGHT

1. Refer to the User Guide supplied with this kit to set up the suspension.

Torque Specifications			
Location	TTY*	Nm	lb.-ft.
Upper shock absorber mount to body bolt	✓	50 + 45 degrees	37 + 45 degrees
Shock absorber to wheel bearing housing bolt	✓	150 + 180 degrees	111 + 180 degrees
Level control system sensor to body bolt		5	4
Level control system sensor to lower transverse link bolt		9	7
Lower transverse link to subframe bolt	✓	70 + 180 degrees	52 + 180 degrees
Lower transverse link to wheel bearing housing nut	✓	120 + 360 degrees	88 + 360 degrees
Tie rod to subframe nut		95	70
Tie rod to wheel bearing housing bolt	✓	90 + 90 degrees	66 + 90 degrees

*Torque-to-yield bolts

2. Upon successful completion of the installation, follow these pressure requirements for the air springs.



FAILURE TO MAINTAIN ADEQUATE MINIMUM PRESSURE (OR PRESSURE PROPORTIONAL TO LOAD) MAY RESULT IN EXCESSIVE BOTTOMING OUT AND **WILL VOID THE WARRANTY.**

CHECK FOR BINDING



MAKE SURE THE FRONT WHEELS ARE STRAIGHT WHEN DEFLATING AND REINFLATING AIR SPRINGS.

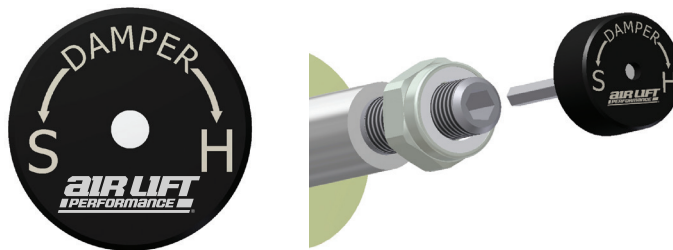
1. Inflate and deflate the system (do not exceed 8.6BAR [125 PSI]) to check for clearance or binding issues. With the air springs deflated, check clearances on everything so as not to pinch brake lines, vent tubes, etc. Clear lines if necessary.
2. Inflate the air springs to 5.2-6.2BAR (75-90 PSI) and check all connections for leaks.

INSTALLATION CHECKLIST

- Clearance** — Inflate the air springs to 5.2-6.2BAR (75-90 PSI) and make sure there is at least 13mm (1/2") clearance from anything that might rub against the air spring. This should be checked with the air spring fully inflated and fully deflated.
- Leak** — Inflate the air springs to 5.2-6.2BAR (75-90 PSI) and check all connections for leaks. All leaks must be eliminated before the vehicle is road tested.
- Heat** — Be sure there is sufficient clearance from heat sources, at least 152mm (6") from air springs and air lines. If a heat shield was included in the kit, install it. If there is no heat shield, but one is required, call Air Lift customer service at **(800) 248-0892**.
- Fastener** — Recheck all bolts for proper torque.
- Road** — Inflate the air springs to recommended driving pressures (see previous page). Drive the vehicle 16km (10 miles) and recheck for clearance, loose fasteners and air leaks.
- Operating instructions** — If professionally installed, the installer should review the operating instructions with the owner. Be sure to provide the owner with all paperwork that came with the kit.

DAMPING ADJUSTMENT

1. The dampers in this kit have 30 settings, or “clicks,” of adjustable compression and rebound damping characteristics. Damping is changed through the damper rod using the supplied adjuster (example shown here) or a 3mm hex key (not included).
2. Turn the adjuster clockwise (H) and the damping settings are hardened, reducing oscillations and body motion. Turn the adjuster counterclockwise (S) and the damping is softened.
3. Each damper in this kit is preset to “-16 clicks.” This means that the damper is adjusted 16 clicks away from full stiff, which starts at 0. Counting up from full stiff is the preferred method of keeping track of, or setting, damping. This setting was developed on a 2009 Audi A4 2.0T Quattro.



For more information, refer to the User Guide.

Notes

Limited Warranty and Return Policy

Air Lift Company provides a 1-year limited warranty to the original purchaser of Air Lift Performance damper kits from the date of original purchase, that the products will be free from defects in workmanship and materials when used on vehicles as specified by Air Lift Company and under normal operating conditions, subject to the requirements and exclusions set forth in the full Limited Warranty and Return Policy that is available online at www.airliftperformance.com/warranty.

For additional warranty information contact Air Lift Company customer service.

Thank you for purchasing Air Lift Performance products!

Need Help?

The Air Lift Company customer service department is open from 8 a.m. to 8 p.m. ET Monday through Friday. Call (800) 248-0892 or (517) 322-2144 for calls from outside the U.S. and Canada.



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