

AIR LIFT
PERFORMANCE

Kit 78672

Volkswagen T5/T6
(T26/T28/T30)

Rear Application



INSTALLATION GUIDE

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.

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A. Introduction

Air Lift Performance thanks you for purchasing the most complete, fully engineered high-performance air suspension made for the Volkswagen T5/T6. 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.

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

Indicates a procedure, practice or hint which is important to highlight.

B. Important Safety Notices

 **WARNING**

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

 **WARNING**

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

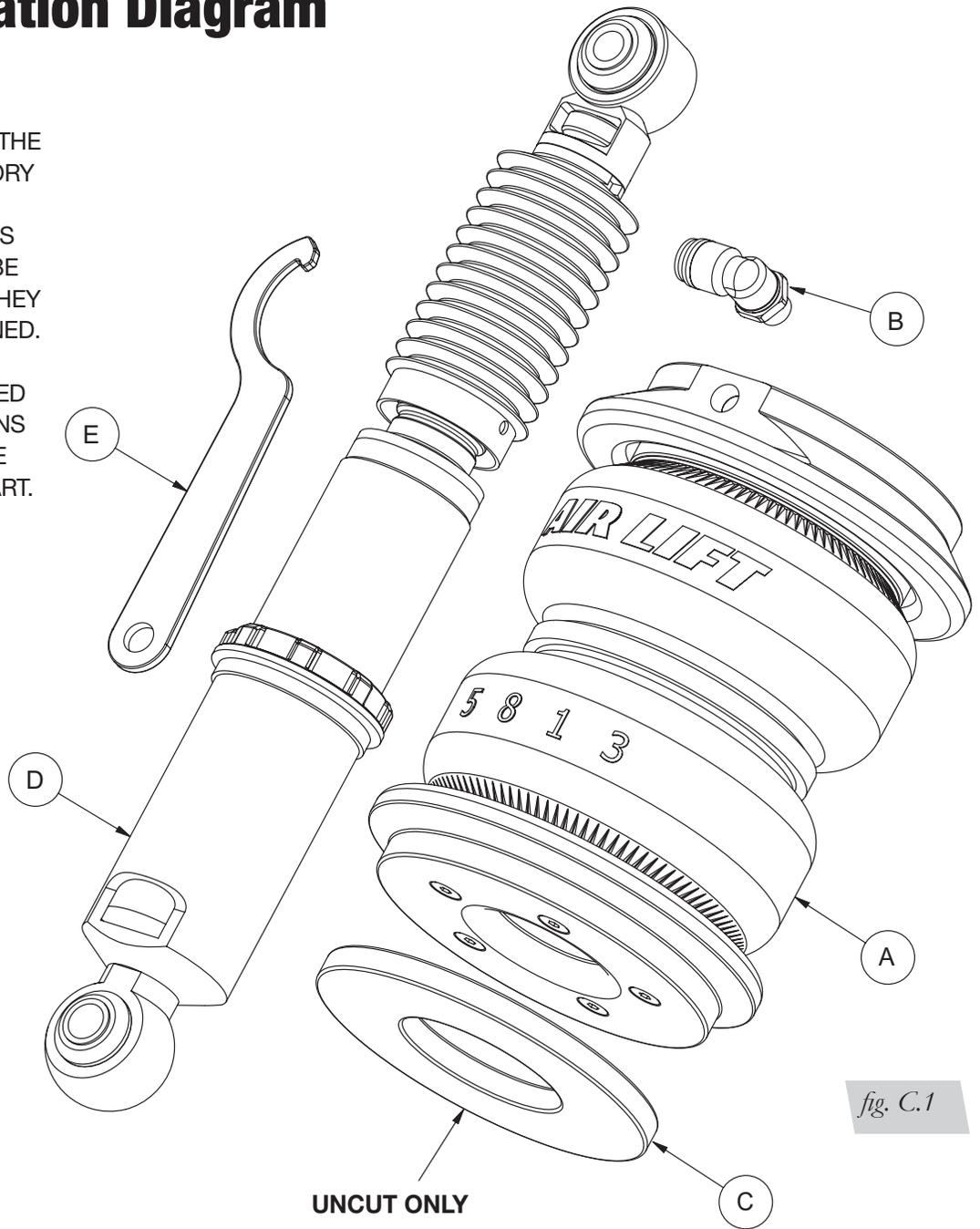
 **CAUTION**

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.

C. Installation Diagram

CAUTION

THIS KIT REQUIRES THE REMOVAL OF FACTORY TORQUE-TO-YIELD BOLTS. THESE BOLTS ARE DESIGNED TO BE REPLACED AFTER THEY HAVE BEEN LOOSENED. TORQUE-TO-YIELD BOLTS ARE INDICATED IN THE INSTRUCTIONS AND IN THE TORQUE SPECIFICATION CHART.



HARDWARE LIST

Item	Part #	Description	Qty
A	58553	Air spring	2
B	21851	1/4 MNPT x 3/8 PTC elbow	2
C	13324	Lower spacer	2
D	26877	Rear shock	2
E	11289	Spanner wrench	1

TORQUE-TO-YIELD BOLTS*

Description	Qty
Upper shock bolts	2
Lower shock bolts	2

* These bolts are not included with this kit



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

D. Installing the Air Suspension

NOTE

See "Important Safety Notices" on page 2.

PREPARING THE VEHICLE

1. Elevate and support the vehicle with a hoist or safety stands.
2. Remove the rear wheels (Fig. D.1).



fig. D.1

REMOVING THE REAR SUSPENSION

1. Support the hub and unbolt the lower shock bolt. Lower the hub until spring is loose (Figs. D.2 & D.3).



fig. D.2



fig. D.3

2. Remove the coil spring, rubber spring isolators, and rubber bumper (Figs. D.4 & D.5).



fig. D.4



Rubber
Bumper

fig. D.5

3. Support the exhaust and disconnect the two hangers closest to the rear shock. Lower exhaust enough to access the upper shock bolt. (Figs. D.6 & D.7).



fig. D.6



fig. D.7

4. Remove the upper shock bolt and remove from vehicle (Fig. D.8).



fig. D.8

5. Remove the rubber bumper from the upper spring bump.

REAR SUSPENSION MODIFICATIONS

NOTE

If maintaining OEM spring seats, proceed to Adjusting Air Spring and Shock for Unmodified Chassis.

1. Measure and mark 45mm down upper spring bump from the chassis. Cut spring bump at this mark (Fig. D.9).

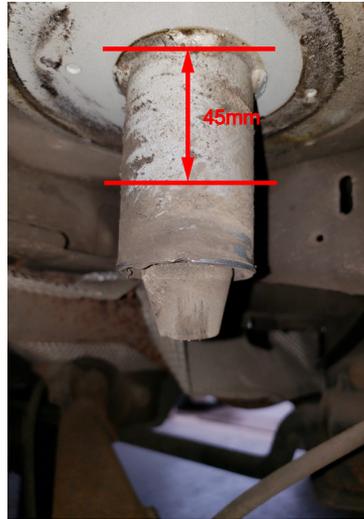


fig. D.9

2. Measure and mark 35mm up the lower spring bump from the control arm flat. Cut spring bump at this mark. Remove spring locating lug (Figs. D.10 & D.11).

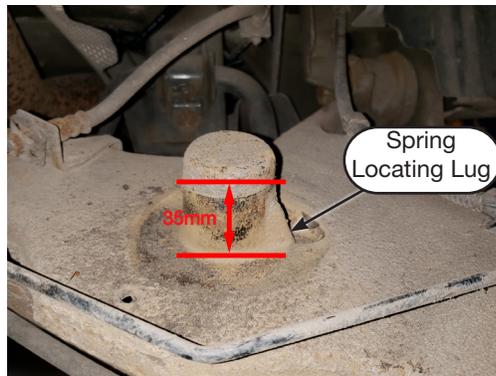


fig. D.10



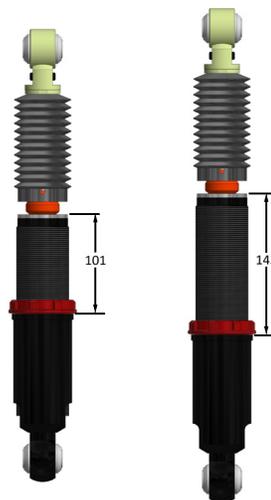
fig. D.11

ADJUSTING AIR SPRING AND SHOCK FOR UNMODIFIED CHASSIS

1. Lift and rotate air spring piston to secondary keyway. Push piston down until stopped at bottom of keyway (Fig. D.12).

*fig. D.12*

2. Hold lower bushing in vise and loosen damper locking collar. Thread the damper out until measuring as shown. Torque 1/4 turn beyond hand tight. (Figs. D.13 & D.14).

*fig. D.13**fig. D.14*

INSTALLING THE AIR SUSPENSION

1. Apply thread sealant to the threads of the fitting. Tighten fitting into air spring 1 3/4 turns beyond hand-tight with flats parallel with mount (Fig. D.15).

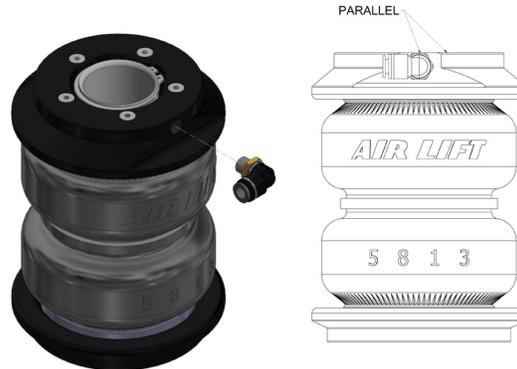


fig. D.15

2. If opting for the unmodified chassis, place the spring spacer around the lower spring bump. If modified, move to next step without installing the lower spring spacer (Fig. D.16).



fig. D.16

3. Apply the air spring assembly over the spring seats with the air fitting at the top (Fig. D.17).



fig. D.17

4. Attach the shock upper and lower bolts. Torque at ride height (Figs. D.18 & D.19).



fig. D.18



fig. D.19

5. Reattach the exhaust hangers. Torque to 20Nm (15 lb.-ft.).

ROUTING THE AIR LINES

1. Fully compress the suspension using a jack. With the suspension compressed, review the best routing for the leader line that is clear of all suspension components and axle.
2. Routing should also allow for the suspension to extend without kinking or 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.

WARNING

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.

E. Finished Installation Photo



fig. E.1

F. Before Operating

SETTING 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 bolts	✓	80 + 90 degrees	59 + 90 degrees
*Lower shock bolts	✓	120 + 180 degrees	89 + 180 degrees
Lower roll plate bolts		7	5
Exhaust hanger bolts		20	15
Wheel bolts	Factory Specification		
Damper locking collar	45 degrees beyond hand tight		
Air line and fitting	1 and 3/4 turns beyond hand tight with thread sealant		

* Torque-to-yield bolts

Table 1



TORQUE-TO-YIELD BOLTS ARE DESIGNED TO BE REPLACED AFTER THEY HAVE BEEN LOOSENED.

Suggested Driving Air Pressure	Maximum Air Pressure
35-50 PSI (2.4-3.4 BAR)	125 PSI (8.6BAR)
FAILURE TO MAINTAIN ADEQUATE MINIMUM PRESSURE (OR PRESSURE PROPORTIONAL TO LOAD) MAY RESULT IN EXCESSIVE BOTTOMING OUT AND WILL VOID THE WARRANTY.	

Table 2

CHECK FOR BINDING

1. Inflate and deflate the system (do not exceed 125 PSI [8.6BAR]) 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 75-90 PSI (5.2-6.2BAR) and check all connections for leaks.



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

INSTALLATION CHECKLIST

- Clearance** — Inflate the air springs to 75-90 PSI (5.2-6.2BAR) and make sure there is at least 1/2" (13mm) 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 75-90 PSI (5.2-6.2BAR) 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 6" (152mm) 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 springs to recommended driving pressures (Table 2). Drive the vehicle 10 miles (16km) 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 (Fig. F.1) 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 2010 Volkswagen T5.

For more information, refer to the User Guide.

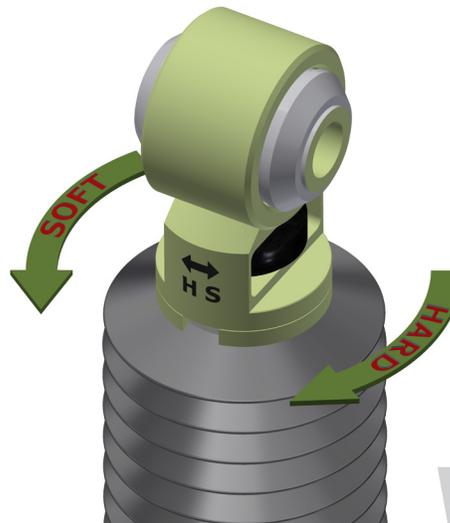


fig. F.1

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.

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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Air Lift Performance • 2727 Snow Road • Lansing, MI 48917 or P.O. Box 80167 • Lansing, MI 48908-0167
Toll Free (800) 248-0892 • Local (517) 322-2144 • Fax (517) 322-0240 • www.airliftperformance.com

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