



INSTALLATION GUIDE



12-15 HONDA CIVIC (INCLUDES SI) 13-22 ACURA ILX

REAR APPLICATION

Kit 76533

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.



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Introduction

Air Lift Performance thanks you for purchasing the most complete, fully engineered high-performance air suspension made for the 12-15 Honda Civic (Includes SI) and 13-22 Acura ILX. 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 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.



TECH TIP

Used to provide helpful tips to ease the installation process.

System Overview

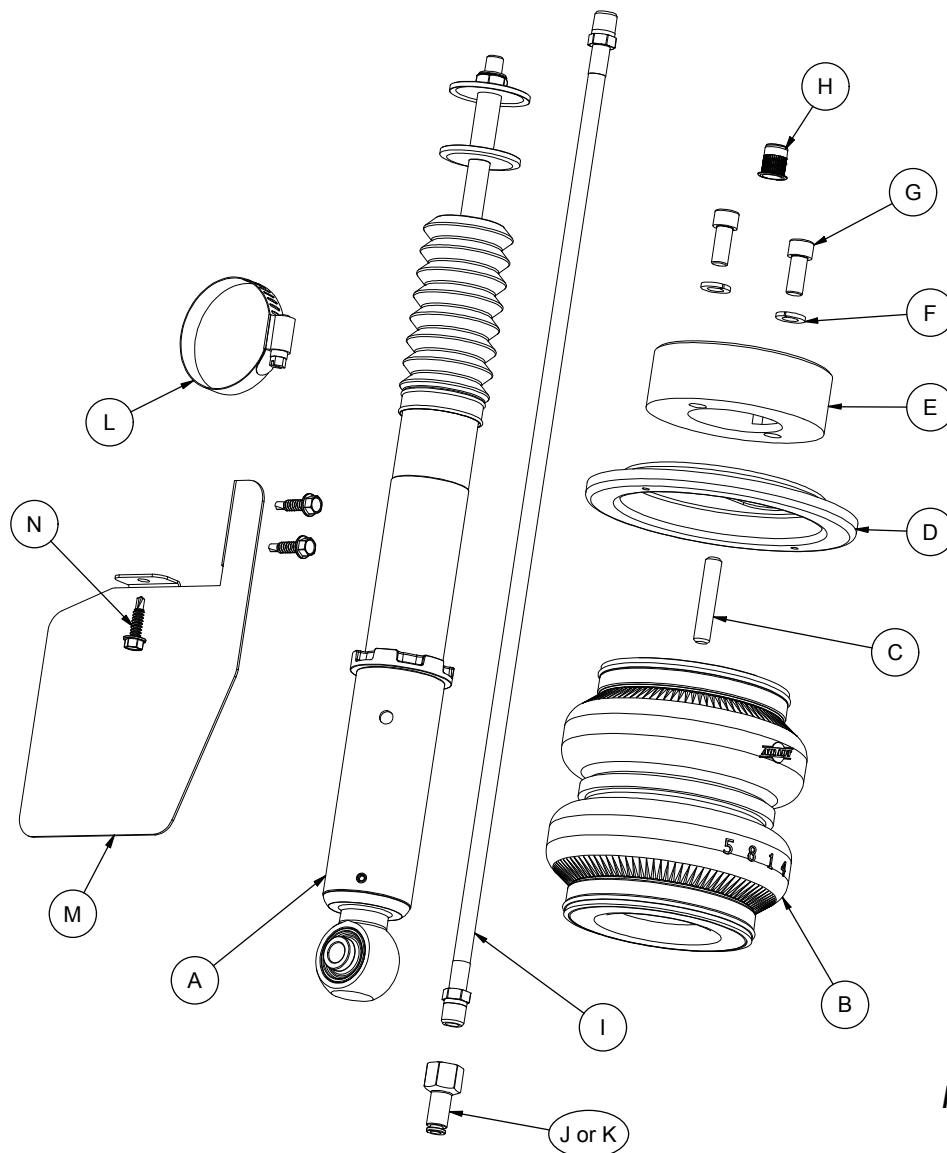


Fig. 1

HARDWARE CONTENT

Item	Part #	Description	Qty	Item	Part #	Description	Qty
A	39174	SHOCK, 9G CIVIC, REAR	2	H	18585	3/8-16, NUTSERT	2
B	58544	AIR SPRING, 2B6 REG, RECESS/MNT	2	I	20997	LEADER LINE, 1/4" ID	2
C	17463	3/8-16 X 2.0, THREADED ROD	2	J	21810	1/4" FNPT X 1/4" PTC FITTING, DOT	2
D	11801	ROLL PLATE	2	K	21987	1/4" FNPT X 3/8" PTC FITTING, DOT	2
E	13317	SPACER, REAR UPPER, 8/9 CIVIC	2	L	10555	STAINLESS WORM DRIVE HOSE CLAMP, Ø2.625	2
F	18427	3/8" LOCK WASHER	4	M	11138	HEAT SHIELD	1
G	17445	3/8-24 X 7/8" SOCKET-HEAD CAP SCREW	4	N	17263	1/4-14 X 1 SELF-TAPPING HEX SCREW	4
				O	11137	HEAT INSULATION WRAP, 96"	1



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

Install the System



NOTES

See important safety notices on page 2.

SECTION 1. PREPARE THE VEHICLE

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



Fig. 2

SECTION 2. STOCK SUSPENSION REMOVAL

1. Unclip the sensor wire from the knuckle and unbolt the brake line bracket. (Figs. 3, 4 & 5)



Fig. 3



Fig. 4



Fig. 5

2. Remove the stabilizer end link from the control arm. (Figs. 6 & 7)



Fig. 6



Fig. 7

3. Support the hub and remove the lower shock bolt. (Figs. 8 & 9)



Fig. 8

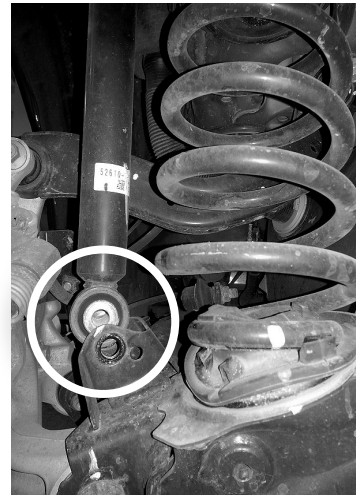


Fig. 9

4. Remove the trunk quarter trim to reveal the upper shock mount. Unthread the shock rod nut and remove the shock from the vehicle. (Figs. 10, 11 & 12)



Fig. 10



Fig. 11



Fig. 12



WARNING

COIL SPRING UNDER PRESSURE. PROCEED WITH CAUTION.

5. Lower the hub and remove the coil spring and rubber isolators. (Fig. 13)



Fig. 13

SECTION 3.

INSTALL THE KIT COMPONENTS



PLEASE READ - IMPORTANT INSTALLATION INFORMATION



FOR COIL TO AIR UPGRADE KIT INSTALLATIONS ONLY: Please refer to the included Coil to Air Upgrade Kit installation guide (MN-2000) for details on how to disassemble the coilovers and assemble the air springs.

Also refer to your control system installation guide to ensure the installation of your air suspension system is complete.



NOTES

All dampers come pre-set to even lengths, and locking collars are pre-tightened. It is always recommended to double-check that the dampers are the same length side to side, and the locking collars are tight.

Please refer to the User Guide included with the kit for any suspension setup adjustments.

1. Reattach the stabilizer end link. Torque nut to 39Nm (29 lb.-ft.). (Fig. 14)

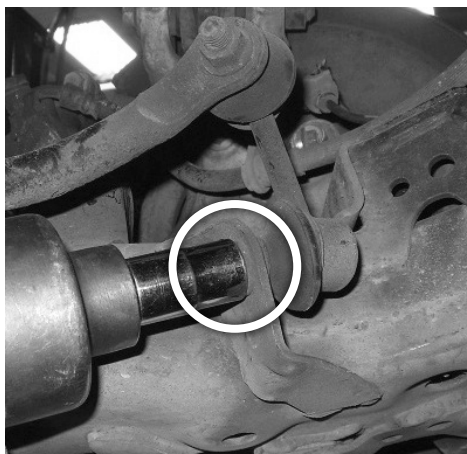


Fig. 14

- Reinstall the sensor wire clip and brake line bracket. Torque to 22Nm (16 lb.-ft.). (Figs. 15 & 16)

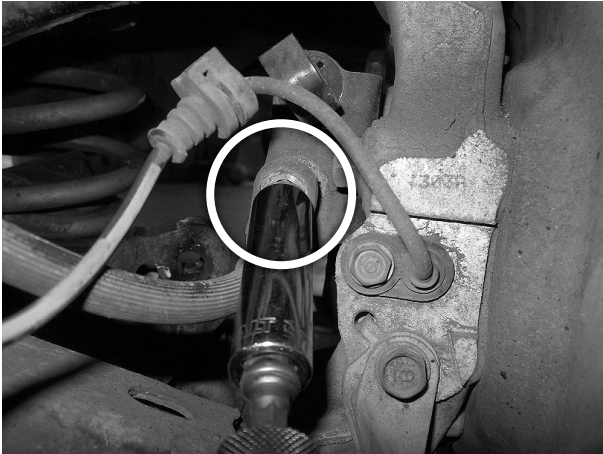


Fig. 15



Fig. 16

- At the upper spring perch, use a 17/32" drill bit to enlarge the hole in the spring seat. (Figs. 17 & 18)

*Representative pictures shown



Fig. 17



Fig. 18

- Assemble the nutsert (H) and nutsert tool together and insert into the 17/32" hole. Review the diagram below on how to attach the nutsert to the vehicle. (Fig. 19)

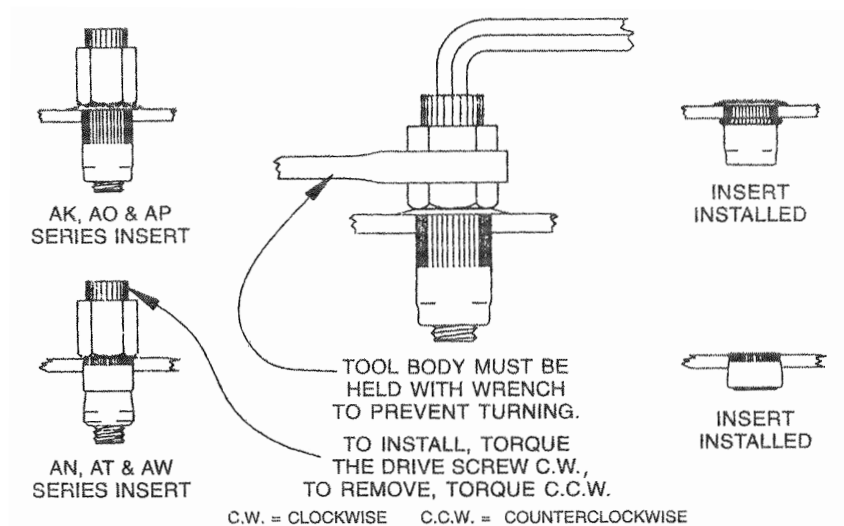
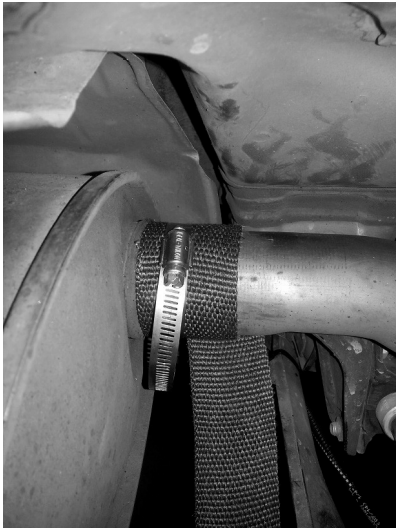
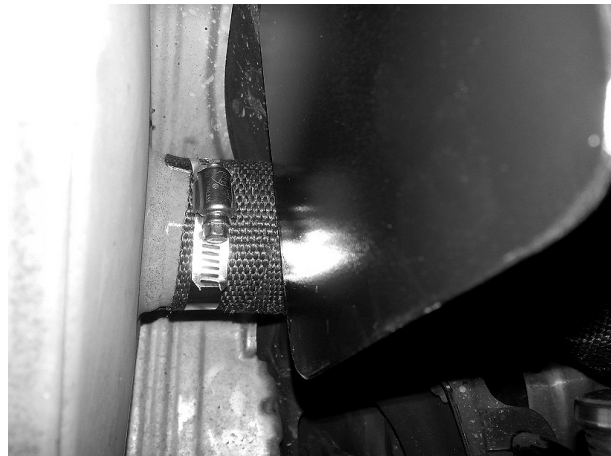


Fig. 19

5. Using the exhaust wrap (O), begin wrapping the tube just before the muffler and lock it in place with one of the supplied clamps (L). Continue wrapping the exhaust tube forward of the muffler by tightly overlapping each pass by a 1/4". Continue past the two bends of the pipe and clamp tightly at the end. Trim the clamps as necessary. (Figs. 20-24)

*Fig. 20**Fig. 21**Fig. 22**Fig. 23**Fig. 24*

6. Align the supplied heat shield (M) ahead of the OE rear muffler heat shield and centered on the angled chassis protrusion. Secure in place using the self-tapping screws (N). (Figs. 25-27)



Fig. 25



Fig. 26



Fig. 27

7. Insert the shock (A) through the shock isolators within the chassis. Apply the top rebound washer and tighten the rod nut to 29Nm (22 lb.-ft.). (Figs. 28-33)



Fig. 28



Fig. 29



Fig. 30



Fig. 31



Fig. 32



Fig. 33

8. Align the lower shock eye mount with the corresponding lower control arm bracket and insert the shock bolt. Torque the bolt at "ride height" to 59Nm (43 lb.-ft.). Si models, torque the bolt to 69Nm (51 lb.-ft.). (Fig. 34)



Fig. 34

9. Install the leader line (I) into the air spring. Tighten the appropriate fitting (J or K) to the leader line (1 3/4 turns beyond hand-tight). Tighten the leader line into the air spring 1 3/4 turns beyond hand-tight. (Fig. 35)

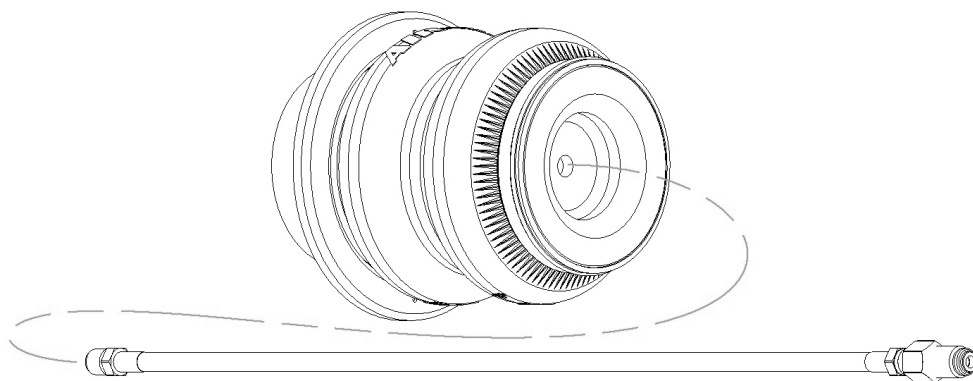


Fig. 35

10. Route the braided air line through the lower spring seat and forward along the trailing link. (Figs. 36 & 37)



Fig. 36



Fig. 37

11. Thread the assembly into the newly installed nutsert and tighten by hand.
12. Inflate the air spring to a max pressure of 32 PSI and locate the lower air spring end cap over the lower spring seat. (Fig. 38)

**CAUTION**

STEP 12 MUST BE PERFORMED ANY TIME THE VEHICLE IS LIFTED OFF THE GROUND AND AIR SPRING PRESSURE FALLS BELOW 20 PSI. THE AIR SPRING MUST BE SEATED IN THE LOWER SPRING SEAT BEFORE DRIVING.



Fig. 38

SECTION 4.**ROUTE THE AIR LINES****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.

1. 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 components and axle.
2. 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.

**PLEASE READ - IMPORTANT INSTALLATION INFORMATION**

Please refer to your control system installation guide for more details on air line routing and to ensure the installation of your air suspension system is complete.

Before Operating

SET THE RIDE HEIGHT

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

Torque Specifications		
Location	Nm	lb.-ft.
Stabilizer end link nut	39	29
Brake line bracket bolt	22	16
Shock rod nut	29	22
Shock eye nut	59	43
Shock eye nut (Si models)	69	51
Camber link outer nut	108	80
Lower control arm inner bolt	59	43
Wheel lugs	108	80
Air fitting (use thread sealant)	1 and 3/4 turns beyond hand-tight	

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



Suggested Driving Air Pressure



Maximum Air Pressure



CAUTION

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



CAUTION

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

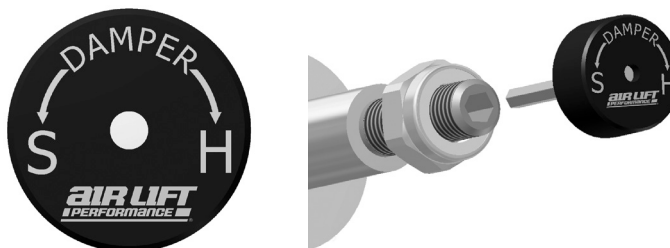
1. Inflate and deflate the system (do not exceed 8.6BAR [125 PSI]) to check for clearance or binding issues. With the air springs deflated, check clearances on everything so as not to pinch brake lines, vent tubes, etc. Clear lines if necessary.
2. Inflate the air springs to 5.2-6.2BAR (75-90 PSI) and 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 32 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 will need to be set after installation and your initial drive, as they are not pre-set. It may take multiple adjustments to dial in your ideal ride. A good starting point is in the middle at 16 clicks from full soft, then drive the vehicle and make adjustments either softer or stiffer.

For more information, refer to the user guide.

Thank you for purchasing Air Lift Performance products!

Need Help?

Contact Air Lift Company Customer Service at
(800) 248-0892 or +1 (517) 322-2144 for calls
from outside the U.S. and Canada.



Connect by searching for **Air Lift Performance** #LifeonAir

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