AIR LIFT PERFORMANCE®

INSTALLATION GUIDE

Kit 78698

10th Gen Honda Civic

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.

Watch the video
Info on Table of Contents page

MN-1135 • (012008) • ERN 8960

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Video-enhanced installation guides

Visit airliftcompany.com/workshop/category/install-videos to access our installation video archive*.

* subject to availability

Introduction

Air Lift Performance thanks you for purchasing the most complete, fully engineered high-performance air suspension made for the 10th Gen Honda Civic. 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.

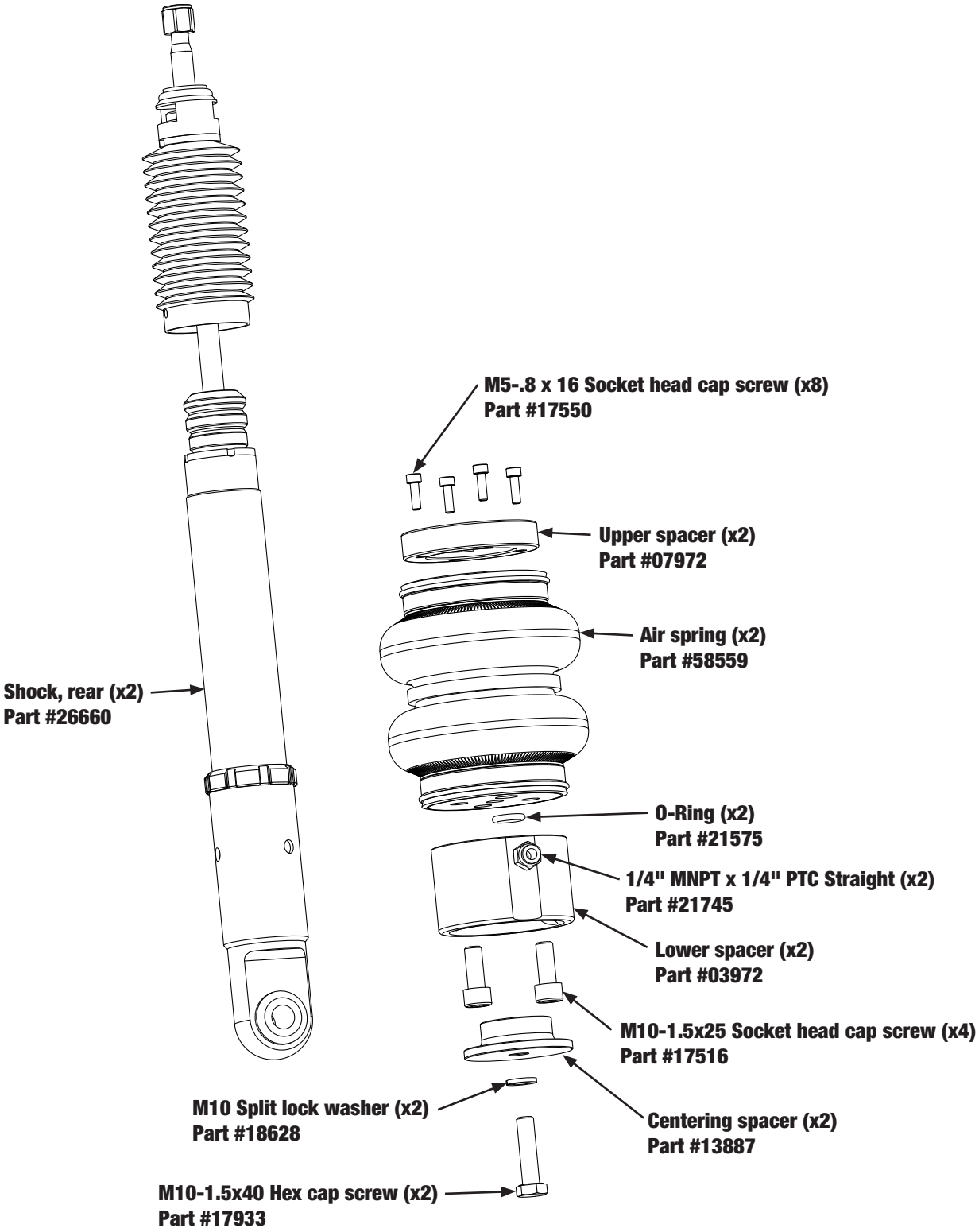
DANGER
INDICATES IMMEDIATE HAZARDS WHICH WILL RESULT IN SEVERE PERSONAL INJURY OR DEATH.

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



STOP! 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

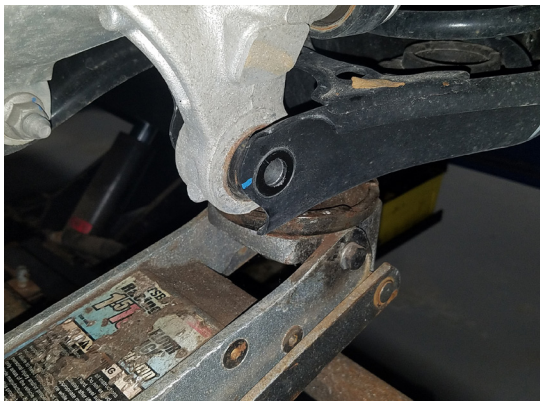
RAISE THE REAR OF THE VEHICLE WITH A JACK AT THE APPROVED LIFTING POINTS AND USE SAFETY STANDS TO SUPPORT THE VEHICLE.

1. Raise vehicle and remove wheel.

2. Remove inner fender liner.

3. Loosen and remove stabilizer link bolt from lower control arm.


4. Support lower control arm with a jack. Loosen and remove lower control arm outer pivot bolt. Loosen lower control arm inner pivot bolt, but do not remove.

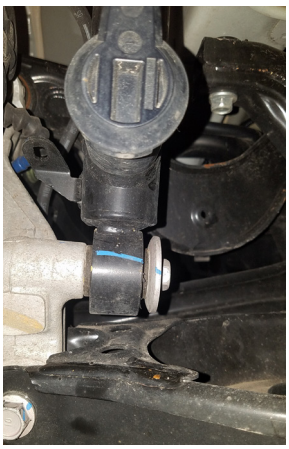




5. Lower the jack to release coil spring tension. Remove spring and isolators from the vehicle. Raise lower control arm to the outer pivot joint and reinstall the lower control arm outer pivot bolt. Do not torque the bolt at this time.


6. Reinstall the stabilizer link and bolt to the lower control arm. Do not torque the bolt at this time.

7. If the vehicle is equipped with adaptive damper system, release the electrical connection from the shock body.

8. Loosen and remove the lower shock mount bolt.



9. Loosen and remove the upper shock mount bolts. Remove the shock from the vehicle.

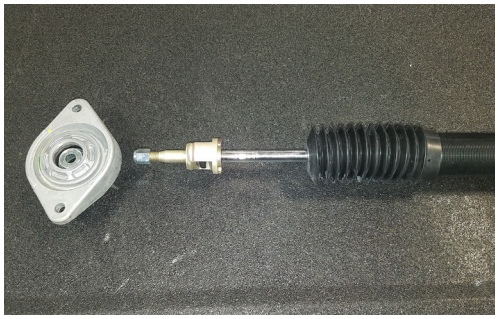
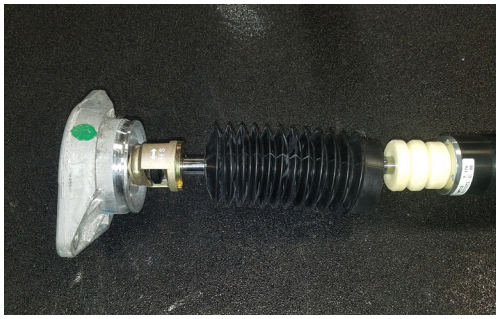


10. Remove the upper shock mount dust cap. Loosen and remove the upper shock mount nut and separate the upper shock mount from the shock rod. Remove the dust boot and jounce bumper from the upper shock mount.



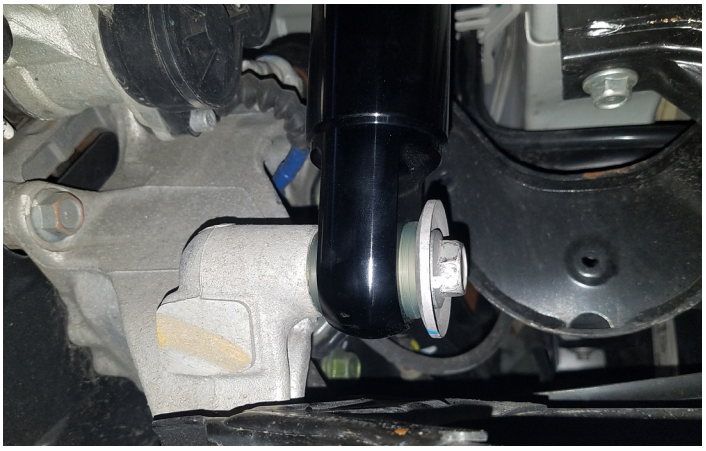
SECTION 2. INSTALL THE AIR SUSPENSION

1. Install the previously removed upper shock mount on the Air Lift Performance shock using the supplied nylon locking nut. Torque the nut to 30Nm (22 lb.-ft.). Reinstall the upper shock mount dust cover.


2. Insert the upper shock mount into the chassis and install the upper shock mount bolts. Torque the bolts to 40Nm (30 lb.-ft.).

3. Install the lower shock mount on the knuckle with the previously removed bolt. Torque the bolt to 81Nm (60 lb.-ft.).



4. Install the fitting in the air spring. Tighten fitting 1 3/4 turns beyond hand-tight.

WHEN ROUTING AIR LINES, ROUTE TO THE CONTROL ARM PIVOT POINT BEFORE ROUTING TO CHASSIS FINAL DESTINATION. AVOID SHARP CORNERS AND PINCH POINTS DURING SUSPENSION ARTICULATION, AS MUCH AS POSSIBLE.

5. Route the air line through the lower control arm to the spring pocket. Install the air line into the fitting and seat the air spring lower spacer into the lower control arm spring pocket.



6. Using the supplied M10-1.5x40 hex-head bolt and M10 split lock washer, install the centering spacer through the underside of the lower control arm. Torque the bolt to 30Nm (22 lb.-ft.).

7. The air spring must be seated to the chassis before use. Slowly inflate the air spring to at least 50 PSI (3.4BAR) while guiding it to the chassis.

8. Be sure to torque all loose bolts and reset all bushing suspension pivots after setting vehicle ride height as described in the Air Lift Performance user guide.

SECTION 3. ROUTE 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.

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 and steering components.
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.

Finished Installation

Congratulations!

You are now the proud owner of an industry leading Air Lift Performance air suspension system. Enjoy!

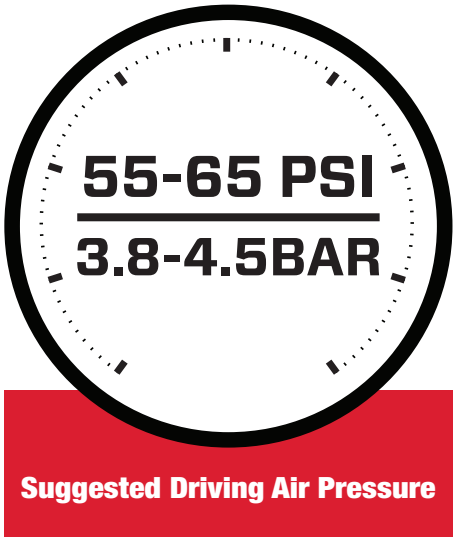
Before Operating

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.
Upper shock mount nut	30	22
Upper shock mount to chassis bolts	40	30
Lower shock mount bolt	81	60
Centering spacer bolt	30	22
Lower control arm outer pivot bolt	69	51
Lower control arm inner pivot bolt	93	69
Stabilizer link bolt	40	30
Lugnuts	108	80

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.

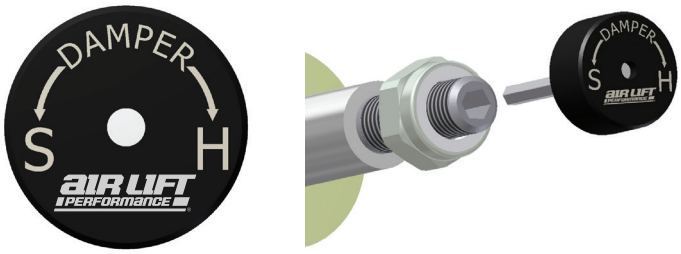
1. Inflate and deflate the system (do not exceed 125 PSI [8.6BAR]) to check for clearance or binding issues. With the air springs deflated, check clearances on everything so as not to pinch brake lines, vent tubes, etc. Clear lines if necessary.
2. Inflate the air springs to 75-90 PSI (5.2-6.2BAR) and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

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 air springs to recommended driving pressures (see previous page). 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 (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 “-22 clicks.” This means that the damper is adjusted 22 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 2019 Honda Civic SI.

For more information, refer to the User Guide.

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.

CONNECT BY SEARCHING FOR **AIR LIFT PERFORMANCE** *#LIFEONAIR*

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