

AIR LIFT
PERFORMANCE

INSTALLATION GUIDE



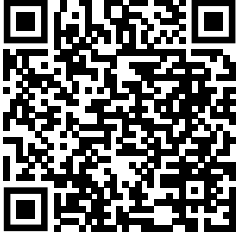
Kit 78775

2019+ Toyota Corolla **FRONT 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.

TABLE OF CONTENTS

P.02

Introduction

Notation Explanation

P.03

System Overview

P.04

Installing the System

Important Safety Notices

Section 1. Prepare the Vehicle

Section 2. Remove the Stock Suspension

Section 3. Strut Removal

Section 4. Install the Air Suspension

Section 5. Route the Air Lines

P.10

Finished Installation

P.11

Before Operating

Set the Ride Height

Torque Specifications

Suggested Driving Air Pressure

Maximum Air Pressure

Check for Binding

Installation Checklist

Damping Adjustment

P.13

Limited Warranty and Return Policy

Introduction

Air Lift Performance thanks you for purchasing the most complete, fully engineered high-performance air suspension made for the 2019+ Toyota Corolla. 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 that 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

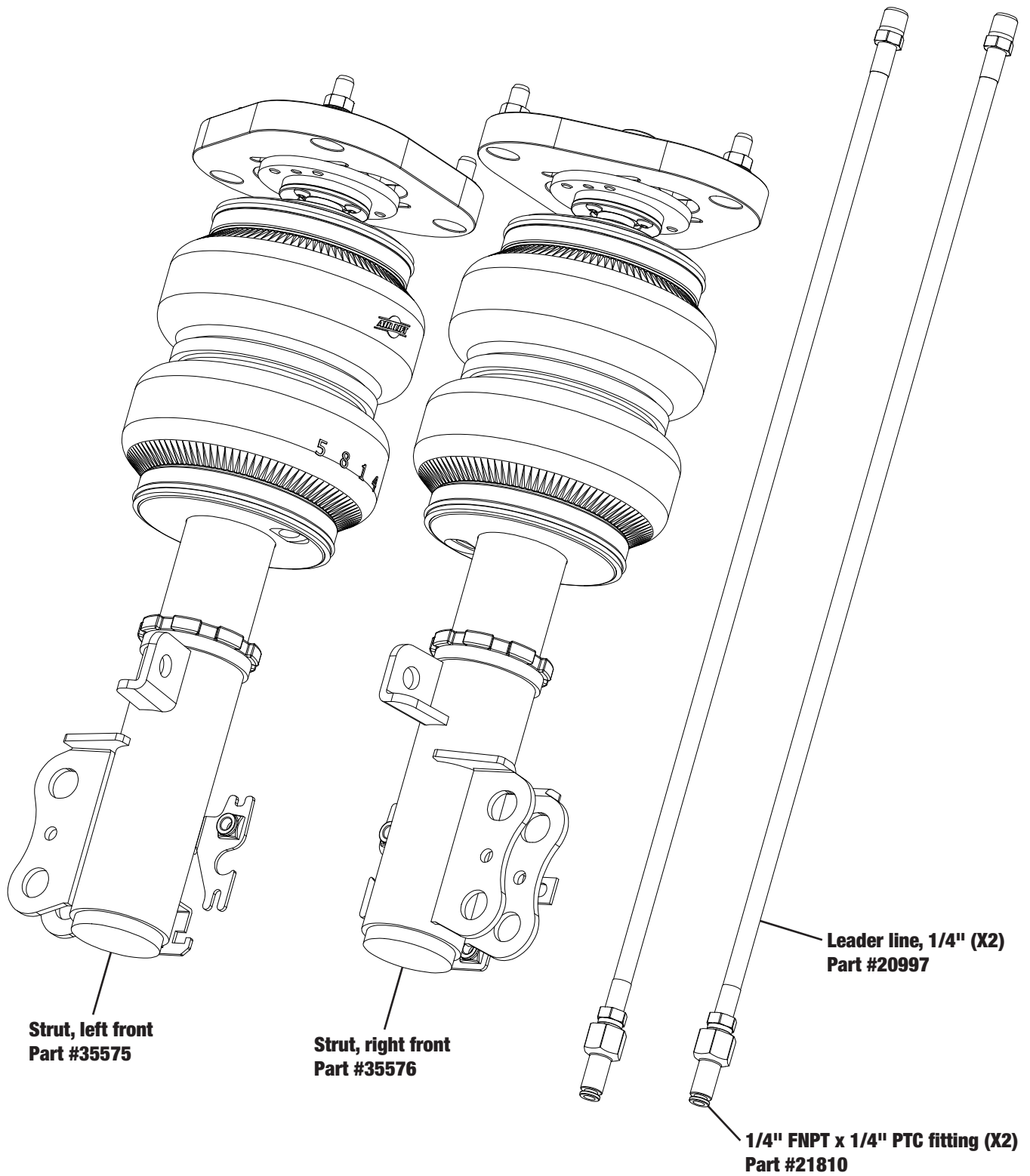
INDICATES HAZARDS OR UNSAFE PRACTICES WHICH COULD RESULT IN DAMAGE TO THE VEHICLE OR MINOR PERSONAL INJURY.



NOTE

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

System Overview



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



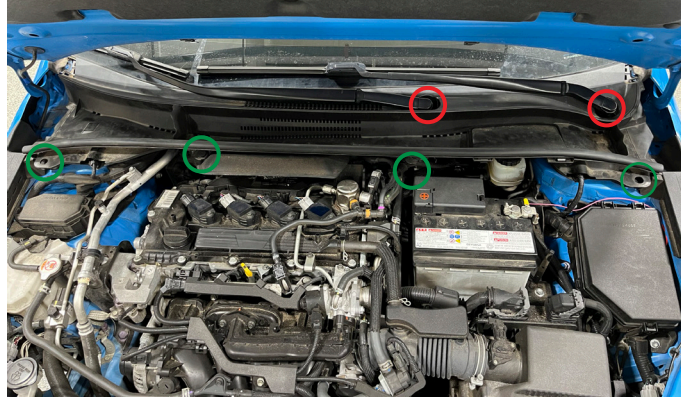
RAISE THE FRONT OF THE VEHICLE AT THE APPROVED LIFTING POINTS AND USE SAFETY STANDS TO SUPPORT THE VEHICLE.

1. Elevate and support the vehicle with a hoist or safety stands.
2. Remove the front wheel.



SECTION 2.**REMOVE THE STOCK SUSPENSION**

1. Remove the front plastic cowl.
2. Remove the windshield wipers by removing the caps and unbolting the arms (Circled in red). You may need a puller to get the arms off the splines. Also, remove the (4) plastic rivets (Circled in green). Once removed, pull the plastic cowl off.



3. The wiper motor needs to be removed and set aside by removing the (2) 10mm bolts (Circled in red) and unplugging the electrical connector and harness clips (Circled in orange). Now wiggle the wiper motor assembly out and slide to your left to get it off the firewall mount (Circled in green).

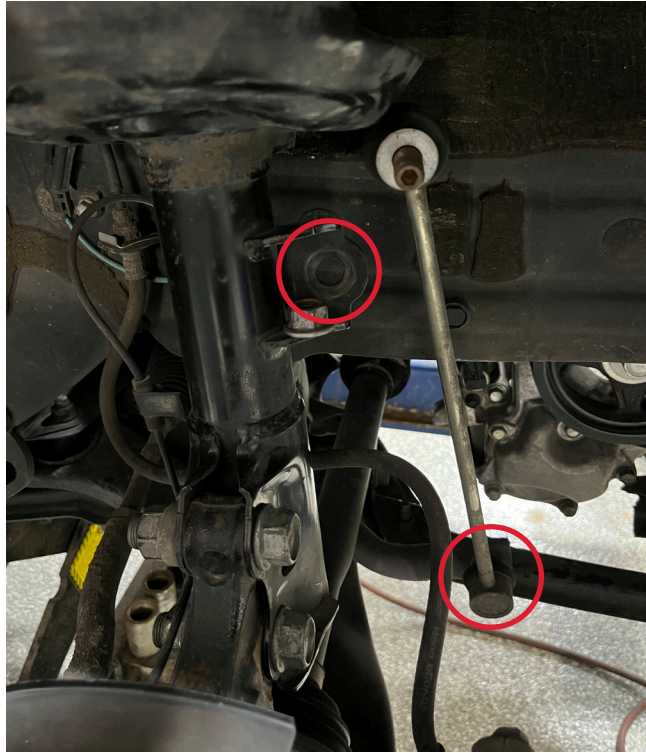


4. Uninstall the metal brace by removing the (9) brace bolts (Circled in green) and (4) strut nuts (Circled in red).

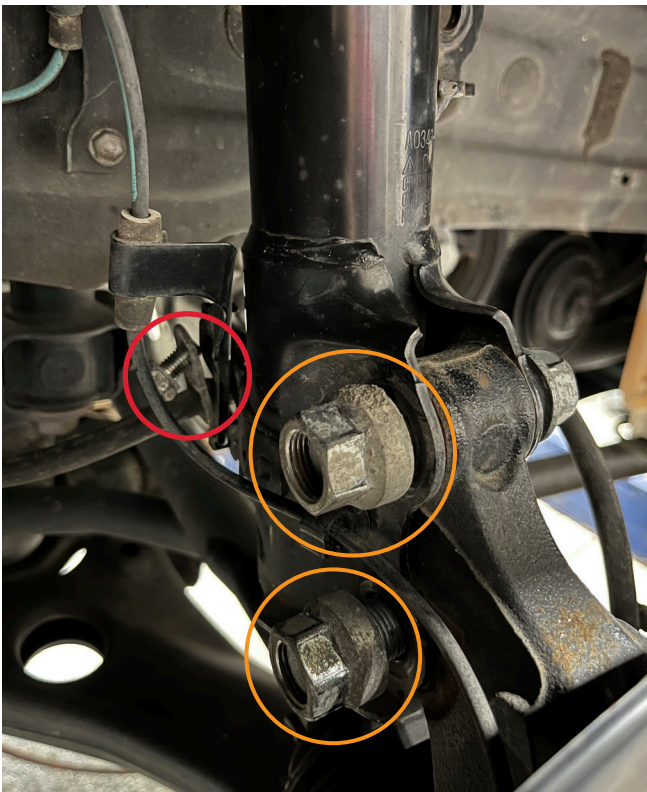


SECTION 3. STRUT REMOVAL

1. Unbolt the sway bar link from both strut and sway bar (Circled in red).



2. Loosen and remove the ABS/brake line (Circled in red) and lower strut hardware (Circled in orange).



3. Remove the single remaining upper mount nut and then the strut from the vehicle.

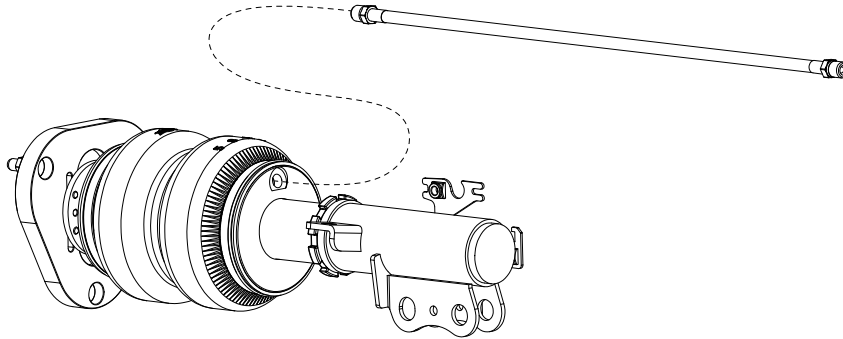


BE READY TO SECURE THE STRUT BY HAND BEFORE REMOVING THE LAST UPPER MOUNT NUT.



SECTION 4. INSTALL THE AIR SUSPENSION

1. Begin by installing the leader line into the air spring. Apply thread sealant to the threads on the leader line. Tighten the appropriate fitting to the air line (1 3/4 turns beyond hand-tight). Tighten the leader line into the air spring 1 3/4 turns beyond hand-tight.



2. Attach the strut to the shock tower with (1) outer nut as shown. Make finger-tight for now.



Outer nut
shown here

3. Attach the ABS/Brake line to the air strut as they were on the OEM suspension (Circled in red) and torque to 29Nm (21 lb.-ft.). Attach the lower mount to the knuckle using the OEM hardware, torque to 240Nm (177 lb.-ft.). Attach the new sway bar link with the included hardware (Circled in orange), torque to 74Nm (55 lb.-ft.).

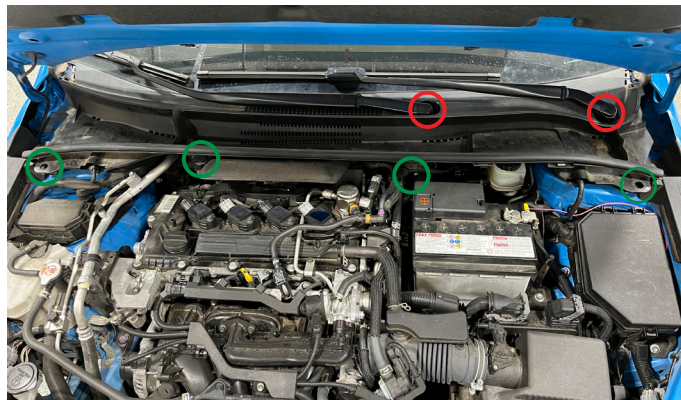


- Reinstall the metal brace from Step 4 of Section 2. Torque the attaching hardware as follows: metal brace (Circled in green), 10mm screws to 12Nm (9 lb.-ft.), upper strut mount nuts (Circled in red) to 50Nm (37 lb.-ft.).



- Re-install the wiper motor, plastic cowl (Rivets are circled in green), and wiper arms (Circled in red) from Steps 2 and 3 of Section 2.

Torque values are as follows: wiper motor bolts to 5.4Nm (4 lb.-ft. [49 in.-lb.]), wiper arms to 23Nm (17 lb.-ft.).



SECTION 5.

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.

- 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.

Finished Installation

The image shows the finished installation of the left side.



Congratulations!

You are now the proud owner of an 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 strut nuts	50	37
Lower strut bolts/nuts	240	177
Sway bar end link nuts	74	55
Brake hose/ABS wire	29	21
Wheel lug nuts	103	76

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



Suggested Driving Air Pressure



Maximum Air Pressure



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.

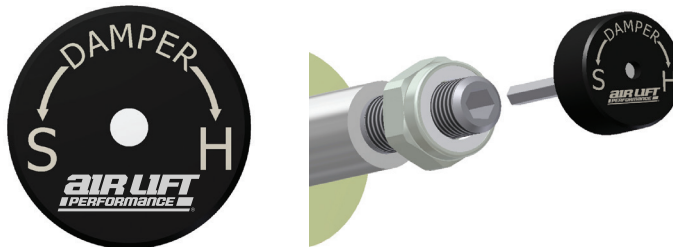
1. Inflate and deflate the system (do not exceed 8.3BAR [120 PSI]) to check for clearance or binding issues. With the air springs deflated, check clearances on everything so as not to pinch brake lines, vent tubes, etc. Clear lines if necessary.
2. Inflate the air springs to 5.2-6.2BAR (75-90 PSI) and 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 “-19 clicks.” This means that the damper is adjusted 19 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 2020 Toyota Corolla XSE.

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 cars and trucks 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.

* Full Limited Warranty and Return Policy are available at www.airliftperformance.com/warranty and are subject to change.

WARRANTY REGISTRATION & CLAIMS

- To register your warranty, please visit <https://www.airliftperformance.com/support/warranty-registration/>
- To submit a warranty claim, please visit <https://www.airliftperformance.com/support/submit-warranty-claim/>

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 +1 (517) 322-2144 for calls from outside the U.S. and Canada.



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