



# Installation Manual

## 2016 - 2018 Toyota RAV4

### 1" front leveling kit

### Part # 51720

SS08202018

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2016-2018 Toyota RAV4  
1" front leveling kit

<i>Part #</i>	<i>Description</i>	<i>Qty.</i>
51720-01	front strut spacer plate	2
M10-1.25FN	10mm x 1.25 fine nut	6
M10TOOTHWA	10mm star washer	6
51720INST	Instruction manual	1

Congratulations on your selection to purchase a Tuff Country EZ-Ride Suspension System. We at Tuff Country EZ-Ride Suspension are proud to offer a high quality product at the industries most competitive pricing. Thank you for your confidence in us and our product.

The Tuff Country EZ-Ride Suspension product safety label that is included in your kit box must be installed inside the cab in plain view of all occupants.

Make sure to use thread locker or loctite on all new and stock hardware associated with the installation of this suspension system.

After the completion of the installation, a front end alignment is required.

#### Important customer information:

Tuff Country EZ-Ride Suspension highly recommends that a qualified or a certified mechanic performs this installation.

It is the responsibility of the customer/installer to wear safety glasses at all times when performing this installation.

It is the customers/installers responsibility to read and understand all steps before installation begins. Also, the OEM manual should be used as a reference guide.

This vehicles reaction and handling characteristics may differ from standard cars and/or trucks. Modifications to improve and/or enhance off road performance may raise the intended center of gravity. Extreme caution must be utilized when encountering driving conditions which may cause vehicle imbalance or loss of control. **DRIVE SAFELY!** Avoid abrupt maneuvers: such as sudden sharp turns which could cause a roll over, resulting in serious injury or death.

It is the customers responsibility to make sure that a re-torque is performed on all hardware associated with this suspension system after the first 100 miles of installation. It is also the customers responsibility to do a complete re-torque after every 3000 miles or after every off road use.

After the original installation, Tuff Country EZ-Ride Suspension also recommends having the alignment checked every 6 months to ensure proper tracking, proper wear on tires and front end components. Tuff Country EZ-Ride Suspension takes no responsibility for abuse, improper installation or improper suspension maintenance.

#### IMPORTANT!

This kit will NOT work on vehicles equipped with Air Suspension. If your vehicle is equipped with this type of suspension, please contact the company you purchased the lift kit from and arrange for returning the parts.

Before installation begins, Tuff Country EZ-Ride Suspension highly recommends that the installer performs a test drive on the vehicle. During the test drive, check to see if there are any uncommon sounds or vibrations. If uncommon sounds or vibrations occur on the test drive, uncommon sounds or vibrations will be enhanced once the suspension system has been installed. Tuff Country EZ-Ride Suspension highly recommends notifying the customer prior to installation to inform the customer of these issues if they exist.

This Suspension kit comes with (1) installation manual and some post installation procedure literature and it is the installers responsibility to make sure that the customer receives the post installation procedure literature. Have them go to the customer care section to download these instructions.

**Recommended tool selection:**

Torque wrench  
Standard socket set  
Standard wrench set  
Metric socket set  
Metric wrench set  
Tape Measure

With the vehicle sitting on a level surface and under its own weight, record ride height measurements by measuring from the center of the wheel hub up to the leading edge of the front fender. Record measurements below.

**Pre Installation Measurements:**

Driver side front : \_\_\_\_\_

Passenger side front : \_\_\_\_\_

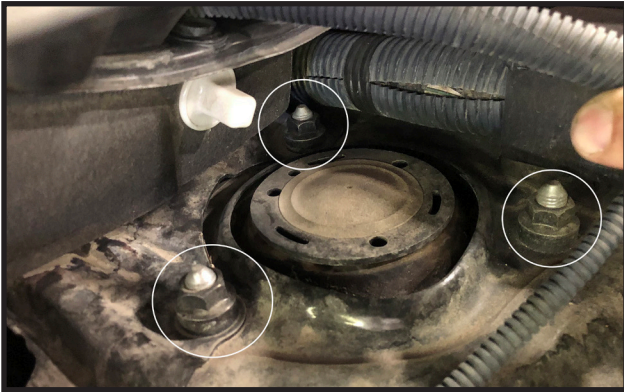
**Post Installation Measurements:**

Driver side front : \_\_\_\_\_

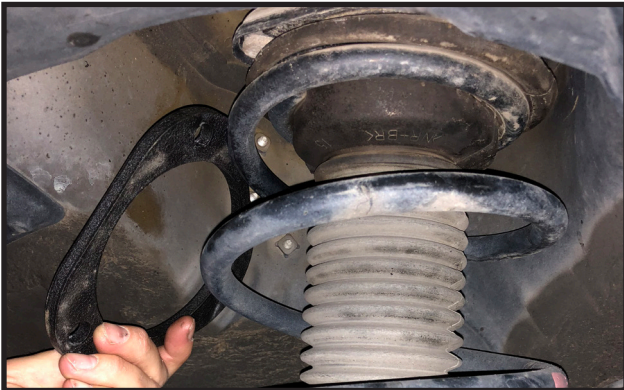
Passenger side front : \_\_\_\_\_

1. To begin installation, block the rear tires of the vehicle so that the vehicle is stable and can't roll backwards. Safely lift the front of the vehicle and support both the driver and passenger side with jack stands. Remove the tires and wheels from both sides.

2. Located under the hood in the engine compartment, are the upper strut mounts, remove the 3 nuts from both the driver side and the passenger side struts. **Special Note: The front suspension will drop out about 1 1/2" inches once these nuts have been removed.**



3. Locate the new strut spacer plates and install 1 each on top of the OE struts over the 3 studs.



4. Once the new spacers have been installed, carefully raise both sides of the front suspension so that the upper strut studs go back through the original holes of the vehicle.  
5. Locate the new 10mm star washers and 10mm fine nuts. Install the star washer first, then the nut, Torque to **30ft lbs.**



6. Re-install the tires and wheels and carefully lower the vehicle down to the ground and record your Post ride height measurements.

**Congratulations, installation complete!**

After the completion of this installation, Tuff Country EZ-Ride Suspension recommends taking the vehicle to an alignment shop and having the proper front end alignment performed.

Tuff Country Ez-Ride Suspension recommends that a complete re-torque is done on all the bolts associated with this suspension system. It is the customers responsibility to make sure that a re-torque is performed on all hardware associated with this suspension system after the first 100 miles of the installation. It is also the customers responsibility to do a complete re-torque after every 3000 miles or after every offroad use.