




# Installation Instructions

<p><b>RalliTEK Rear Subframe Spacer Kit</b></p> <p><b>Fitment:</b> <b>09-18 Forester</b></p>	 A photograph of the RalliTEK Rear Subframe Spacer Kit components. It includes two stacks of blue cylindrical spacers, each stack containing two spacers. There are also two blue plastic brackets, one with two holes and one with one hole. Additionally, there are four silver metal bolts of varying lengths and two blue metal washers.
<p><b>Suggested Tools</b></p>	<ul style="list-style-type: none"><li>• Floor Jack</li><li>• Jack stands</li><li>• 19mm socket, 22mm socket, 14mm socket</li><li>• 12mm socket, ratchet(s) and torque wrench</li></ul>
<p><b>Safety Warnings</b></p>	<ul style="list-style-type: none"><li>• Always support the vehicle with jack stands before working underneath</li><li>• Use only the parts supplied by RalliTEK to install this kit</li><li>• Check ALL the fasteners for tightness before and after road testing the vehicle</li><li>• Do not use an air impact wrench with re-installing bolts as stripped threads may occur</li></ul>

## RalliTEK Subframe Installation Instructions

### Remove Wheels

- Jack up the vehicle and support with jack stands. Use a wheel chock and the parking brake to prevent the vehicle from rolling.
- Use the 19mm socket and breaker bar to remove rear wheels
- Remove rear wheels from vehicle

### Remove Rear Brake Line

- Remove rear brake line from knuckle on both sides. Leave these unattached for now.



### Remove support bolts

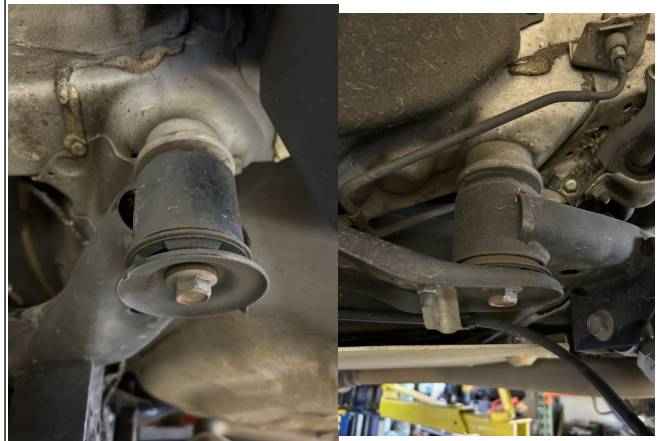
- Remove the two bolts at the front of the rear subframe on each side. These are located in front of the rear wheel wheel well.
- Remove the support brace bolts at the rear subframe





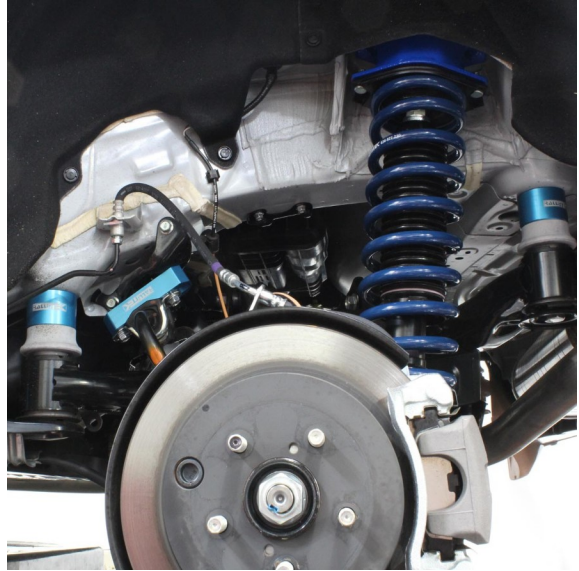
- Using a 19mm socket, loosen one main subframe bolt at a time and replace the bolt with our RalliTEK M14 subframe bolts. These bolts will be the largest and longest bolt in the kit and will have a RalliTEK logo engraved on the side of them.
- You will only need to thread these in enough to support the weight of the subframe. (pictured below)

### Loosen Main Subframe Bolts



### Install Main Subframe Spacers

- Once you install our RalliTEK subframe bolts you will need to install the spacers accordingly.
- There are 4 large round spacers that will be put on the main mounting points for the subframe. (pictured below)



### Install Support Spacers

- Install these one at a time making your way around by removing the RalliTEK supplied bolt sliding the spacer in and reinstalling the RalliTEK bolt.



### Install Brace Spacers

- Toward the rear of the subframe you will want to install the small cylinder spacers onto the bolting location for that brace.



### Tighten Support Brace

- Tighten the front most brace on the subframe.
- There are no spacers needed for this brace.



### Torque Bolts

- Tighten and torque all subframe bolts one at a time working your way around to ensure rear subframe is pushed back up into place.
- Main Subframe Bolts – 107 FT/LBS
- Support Subframe Bolts – 52 FT/LBS

### Install Brake Line Extensions

- There will be two small flat brackets with a slight bend in them. These need to be installed on the rear knuckle.
- Use the supplied M8x20mm Bolts and M8 flange nuts to install the brake line onto the RalliTEK bracket.
- Ensure the brake line is not rubbing on the knuckle or upper control arm after install.
- Torque to 15 FT/LBS



<b>Reinstall Rear Wheels</b>	<ul style="list-style-type: none"> <li>• Reinstall rear wheels and lug nuts. Torque lug nuts to 89 FT/LBS.</li> </ul>
<b>Lower Vehicle Onto Ground</b>	<ul style="list-style-type: none"> <li>• Lower the vehicle onto the ground with the full weight on the vehicle.</li> </ul>
<b>Alignment</b>	<ul style="list-style-type: none"> <li>• The vehicle will need to be realigned after installing this product.</li> <li>• Please adhere to OEM specifications for alignment.</li> </ul>

## WARRANTY

### RalliTEK Products Lifetime Warranty

**RalliTEK** branded products are warranted to the original owner against manufacturing defects in materials and workmanship for the lifetime of the product.

If a RalliTEK branded product covered by this warranty fails due to a manufacturing defect, we will repair the product, without charge, or replace it at our discretion. This policy covers only original, unaltered, and unmodified materials and workmanship. This warranty does not cover damage caused by incorrect installation, accident, improper care, negligence, normal wear and tear, or the natural breakdown of colors and materials over extended time and use. Damage not covered under warranty may be repaired for a reasonable rate and a fee will be charged for return shipping.

For warranty evaluation, please contact RalliTEK Customer Service via phone **(503) 619.0055** or email [info@rallitek.com](mailto:info@rallitek.com) to obtain a return authorization. Once this step has been completed, your product must be returned directly to the **RalliTEK Warranty Department, 13339 NE Airport Way, Suite 500, Portland, OR 97230**. All shipping to the Warranty Department must be pre-paid and insured. RalliTEK will not be liable for damaged or lost inbound packages.

**NOTE:**

- This warranty is only available within the United States or Canada
- This warranty does not cover products sold by RalliTEK that are not RalliTEK branded products
- This warranty gives you specific legal rights; you may have other rights, which vary from state to state