

Installation Instructions

<p>RalliTEK Subframe Spacer Kit</p>	
<p>Suggested tools</p>	<ul style="list-style-type: none"> • Jack • Jack stands • 19mm socket, 22mm socket, 14mm socket, 12mm socket, ratchet(s) and torque wrench
<p>Safety Warnings</p>	<ul style="list-style-type: none"> • Always support the vehicle with jack stands before working underneath • Use only the parts supplied by RalliTEK to install this kit • Check ALL the fasteners for tightness before and after road testing the vehicle • Do not use an air impact wrench with re-installing bolts as stripped threads may occur

RalliTEK Subframe Spacer Installation

1. It is easiest to install the RalliTEK Subframe Spacer kit with the rear control arms disconnected from the subframe



2. Remove the bolts for the front subframe supports. On some models, there is an additional brace going to the chassis of the car, you will want to remove this as well



3. Some cars have a rear subframe brace, remove those bolts now



4. Using a 19mm socket, remove one subframe bolt at a time and replace the bolt with the longer bolt supplied in the kit. You only need to thread these in enough to make sure there is good thread engagement.

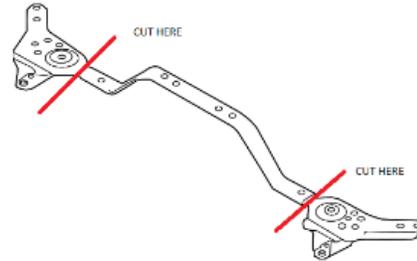
5. Once all 4 subframe bolts have been changed out for the longer bolts supplied in the kit, remove one at a time and install the RalliTEK subframe spacers.



6. Install any support spacers that are included in the kit. The spacers for the front supports will use the 2 bolt spacer while the rear support will use the single hole spacers. Use the supplied 50mm long bolts for the support spacers



7. Installing this kit on an Ascent requires cutting of the rear support brace, see the drawing on where to cut. You will not be reusing the center of the brace.



8. Tighten all of the subframe bolts at this time using the following torque specifications

M14 main subframe bolts – 107 ft-lbs
M10 subframe support bolts – 52 ft-lbs

9. If your car has the additional front subframe brace, loosely install the factory bolts on the subframe brace first followed by the bolts for the front of the brace and tighten. No spacer is needed for this brace.



10. Install the brake hose extension bracket by first removing the bolt that holds the brake hose to the knuckle



11. Install the extension bracket to the knuckle using the factory bolt and use the longer M8 bolt and nut to secure the brake line to the upper hole on the bracket. Ensure that the brake hose does not rub any part of the knuckle or upper control arm.



12. Reinstall the lower control arms to the subframe. This kit will get the rear alignment close to factory specifications but for proper handling characteristics and maximum tire life, we highly recommend an alignment after installation.

WARRANTY

One Year Limited Warranty

RalliTEK warrants to the original purchaser that the parts manufactured and/or sold by RalliTEK (the product) is free from defects in material and workmanship under normal use. RalliTEK warrants that the product will perform substantially in accordance with the specifications set forth in the documentation provided with it. The above express warranties are made for a period of the lesser of 12,000 miles or 12 months from the date the product is installed in your vehicle.

Any improper use, operation beyond capacity, substitution of parts not approved by **RalliTEK** in writing, any alteration or repair by others, or any removal, defacing or altering of the identification shall void this warranty. There is no warranty on high-performance or race related parts due to the nature of usage.

The purchaser shall notify **RalliTEK** at 888-773-1212 of any defect within the warranty period no later than thirty (30) days after purchaser discovers the defect. Should any failure to conform to this warranty appear within the warranty period, RalliTEK shall, on notification, correct the nonconformity at its option, either by repairing any defective part, or by making available, FOB RalliTEK plant, a repaired or replacement part. The purchaser must insure any defective item being returned because RalliTEK does not assume risk of loss or damage while in transit. No payment or reimbursement shall be made for installation, removal, transportation or other charges. The remedies set forth in this instrument are exclusive, and the liability of RalliTEK with respect to any sale shall not exceed the price of the product on which the liability is based.

EXCEPT AS STATED OTHERWISE IN THIS WARRANTY, **RalliTEK** MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. RalliTEK shall not in any case be liable for special, incidental, consequential, indirect, or other similar damages arising from any breach of these warranties even if RalliTEK or its agent has been advised of the possibility of such damages. Some states do not allow the exclusion or limitation of incidental or consequential damages so the above limitation or exclusion may not apply to you.

This warranty is governed by the laws of the State of Oregon.

