

'EXPOSED RACKS' INSTALLATION GUIDE [CLAMP STYLE BRACKETS] CROSSBARS
 FOR TWO TO FOUR CROSSBARS PER VEHICLE WITH OPTION FOR WEIGHT DISTRIBUTION
 PARTS ID

5934769560

Description	Part Number	Label on Package	Included	Picture
Crossbar(s)	Any of the following: 8-00-9651-BK 8-00-9652-BK 8-00-9653-BK 8-00-9751-BK/RD 8-00-9752-BK/RD 8-00-9753-BK/RD	(see Part number)	(2) to (4) depending on package	
Bracket Part A	Any of the following: 8-00-9794 (B100) 8-00-9795 (B040) 8-00-9796 (B200)	(see Part number)	(2) pair to (4) pair depending on package	
Hardware Part A	8-00-9929	(see Part number)	(1) in each Part A package	
Pair 3/8" bolts	8-00-9927	(none)		
Foam Strips		'F'		
Rubber Strips		'H'		
Bracket Part B	Any of the following: 8-00-9797 (Z125) 8-00-9798 (Z175) 8-00-9799 (Z225) 8-00-9950 (Z126) 8-00-9951 (Z176) 8-00-9952 (Z226)	(see Part number)	(2) pair to (4) pair depending on package	
Hardware Part B	8-00-9930	(see Part number)	(1) in each Part B package	
30mm Bolts		'A'		
Nuts		'B'		
Washers		'C'		
6mm Allen Key		'E'		
Foam Strips		'F'		
4mm Allen Key		'J'		
Rubber Strips		'H'		
Weight Distribution Feet	Any of the following: 8-00-9913 8-00-9915 8-00-9916	(see Part number)	Packages may contain feet. Search on smsparts.com/products and see "Product Specs" to see what is included.	

SEE INSTRUCTION VIDEO HERE:



SMSparts.com
/ClampBracketInstructions

SIMPLE STEPS:

STEP 1: OPEN BOX AND SPREAD OUT THE COMPONENTS. ID THE PARTS AND GET THE TOOLS YOU NEED

STEP 2: DETERMINE THE RUBBER / FOAM YOU NEED FOR YOUR INSTALL

STEP 3: (IF USING FEET) DETERMINE FEET LOCATIONS (IF APPLICABLE) AND PRE-INSTALL FEET – SET PART B HEIGHT AT THIS TIME

STEP 4: LINE UP CROSSBARS TO PART A – LOOSELY BOLT TOGETHER - DO NOT TIGHTEN COMPLETELY

STEP 5: POSITION PART B, THEN PLACE PART A + CROSSBARS ON TOP OF VEHICLE. TIGHTEN A TO B. THEN TIGHTEN CROSSBARS

STEP 6: TIGHTEN DOWN BOLTS

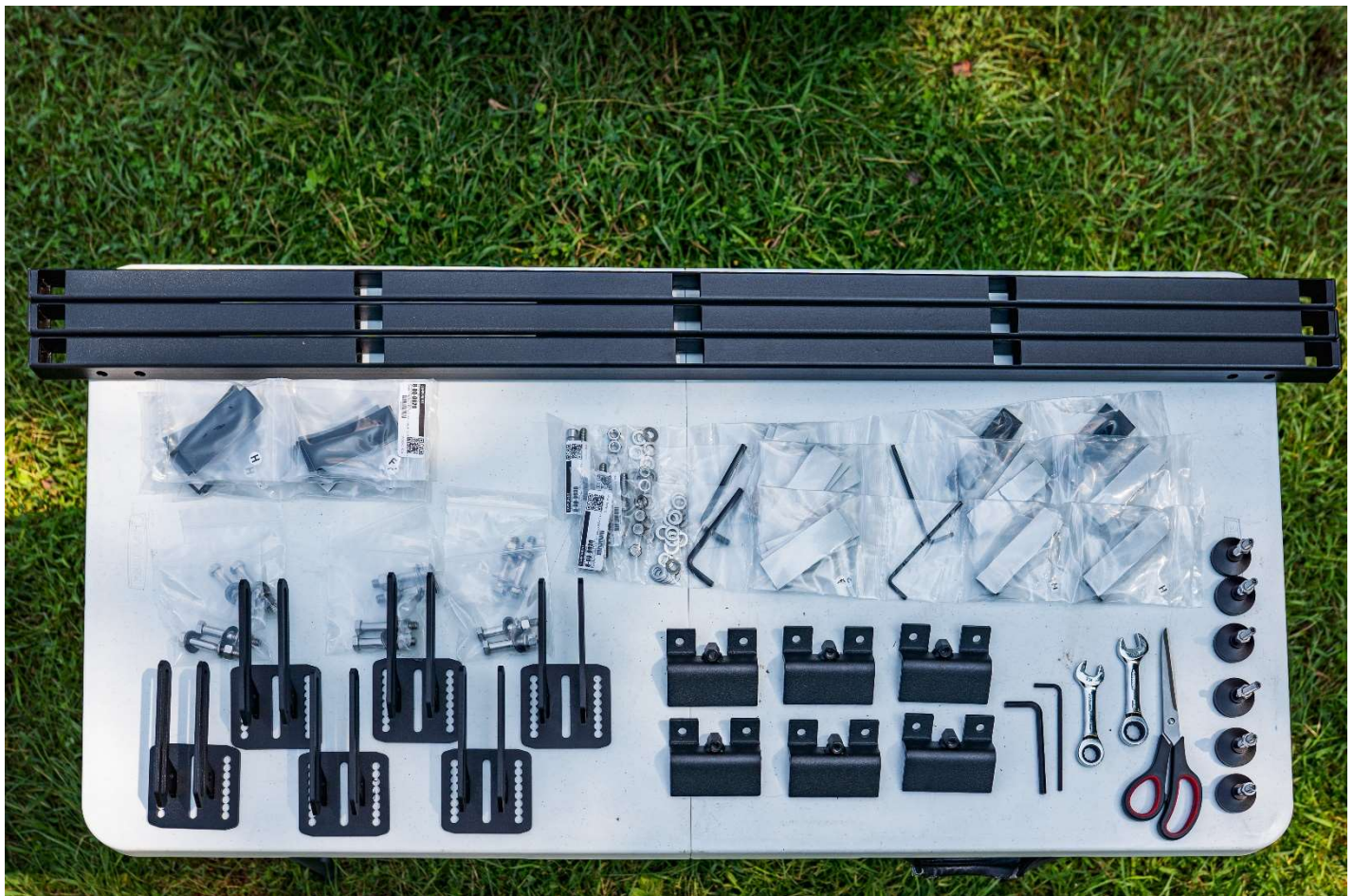
STEP 7: LOWER AND TIGHTEN FEET ON XBARS

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STEP 1: OPEN BOX AND SPREAD OUT THE COMPONENTS. ID THE PARTS AND GET THE TOOLS YOU NEED.

- A) Confirm Crossbar Package fits your vehicle. You can check product to vehicle fitment on smsparts.com/searchbyvehicle
- Open Box, lay out the items and ID the components. Your specific package will have components listed on the package product page (either found under your vehicle, or searchable using the SKU 8-00-xxxx on the product search page)
 - PRO Tip: Sometimes small amounts of powder coat may be on the edge of the threaded Part B's (if they came with your kit). You can often clean this out with just your finger tip. Otherwise you can use one of the 30mm M8 Bolts 'A' and the 6mm Allen Key to clear the threads – in the event any powder coat material got inside.

[SMSparts.com
/SearchByVehicle](https://smsparts.com/SearchByVehicle)



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B) Get the tools you need

a. INCLUDED: 6mm Allen Key



b. INCLUDED: 4mm Allen Key



c. NOT INCLUDED: (2) Adjustable Wrenches, Scissors

i. NOTE: Actual wrench sizes needed are (2)
9/16" (14mm)



- or -



ii. PRO TIP: Use ratchet wrenches to make
the job go much quicker

d. NOT INCLUDED: (1) scissors



NEVER use power tools or pneumatic tools during installation

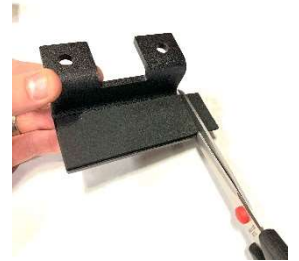
✓ HAND TIGHTEN ONLY!

⊘ DO NOT USE DRILL GUN
OR IMPACT WRENCH!

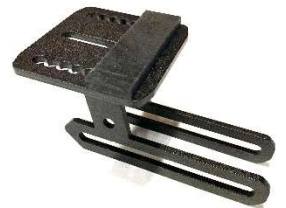
2

STEP 2: DETERMINE THE RUBBER / FOAM YOU NEED FOR YOUR INSTALL

- A) Fit Check Part B to your Roof Rails. You will most commonly use (1) pieces of foam 'F' on each Part B. Trim the foam as needed, then remove the sticker cover and place on Part B.



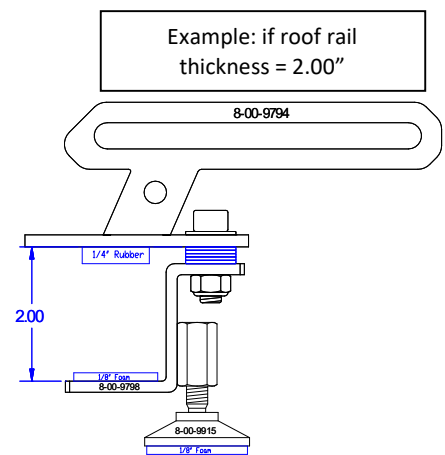
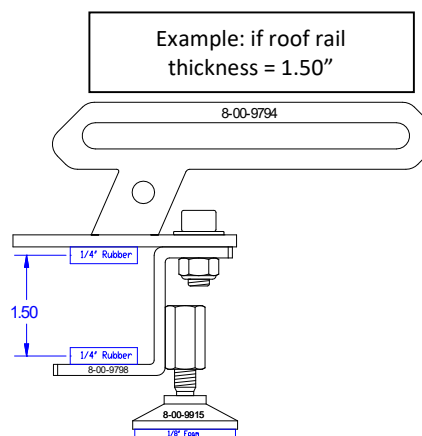
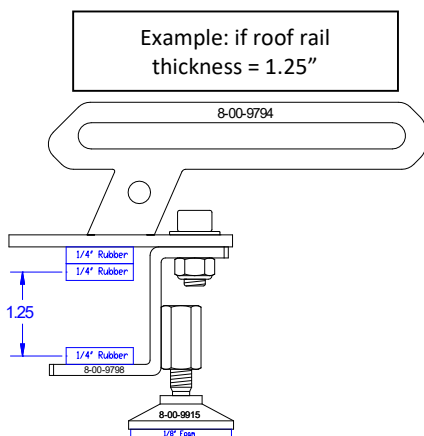
- B) Fit check Part A to your Roof Rails (your goal is to get as close to a 1/4" gap when the rubber / foam is in place, so when you tighten down A to B the rubber/foam is compressed by 1/4")



Rubber 'H' and Foam 'F' are used to decrease the gap size (e.g. use up to (3) pieces of rubber on (1) bracket fitment) as well as offer the **absolutely necessary 1/4" compression for the brackets to hold tightly.**

The Washers 'C' are used to increase the gap size (e.g. for thicker roof rails). Minimum (1) Washer on top and bottom needed per bolt, but use up to (5) Washers 'C' to increase the Part A to Part B fitment size should your roof rails need it.

Below are three examples of Fitments using the combination of 8-00-9794 with 8-00-9798 (this particular bracket includes the weight distribution feet 8-00-9915)



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STEP 3: (IF USING FEET) DETERMINE FEET LOCATIONS (IF APPLICABLE) AND PRE-INSTALL FEET – SET PART B HEIGHT AT THIS TIME

- A) Look over your roof top and determine what locations are best for the weight distribution feet. Place crossbars on top of roof rails in the desired location. Also take (1) Part B and dry fit to assess where you want the feet to be located.



A few important things to note:

- You package comes with standard feet size based on the most common feet that are used in your package. If for some reason your need different feet because of your specific configuration they need to be purchase separately from our authorized distributors or on smsparts.com.
- If you have some flex in your factory roof rail, then putting weight distribution feet on Part B under the roof rail is a great way to reduce this flex.
- If you would like to increase weight distribution by using *more* feet they are available for purchase from our authorized distributors or on smsparts.com

Feet on xBar



**Feet on Part B
of Bracket**



- d. NEVER PUT WEIGHT DISTRIBUTION FEET ON OR NEAR A GLASS TOP, SUNROOF, OR SIMILAR MATERIAL THAT MAY BE DAMAGED. SMS WILL NOT WARRANTY OR COVER LOSS FOR DAMAGE TO THE TOP OF YOUR VEHICLE.



- B) At this time you can also line up Part A to the crossbars on top the vehicle to determine if they will face inward or outward. (see directly below photos. Also see [Exhibit 1](#) for more details on Part A and Part B arrangement options)



-or-



- C) Pre-install the feet on the crossbars and/or in Part B of the bracket
- NOTE: Some Part B brackets do not have an option to receive a weight distribution foot. If you prefer to use weight distribution feet on Part B's of the brackets and you cannot with your package, the Part B can be substituted for one that has weight distribution option. These cost slightly more in general as the cost difference / swap out is determined by the authorized reseller you purchased it from. To check which Part B could work, please go to smsparts.com/searchbyvehicle, select your vehicle, and see the package options. Likely one of the 3 or 4 crossbar packages will use a Part B that received weight distribution feet.
 - PRO TIP: If the weight distribution foot is not threading in all the all the way (possibly due to powder coat getting inside the threads) – use the 4mm allen key to adjust it with a little more leverage.

Pre-installation example:

- Feet on Part B's
- Feet on Crossbars in correct location
- Part A loosely assembled to Crossbars (per STEP 4 on next page)



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STEP 4: LINE UP CROSSBARS TO PART A – LOOSELY BOLT TOGETHER - DO NOT TIGHTEN COMPLETELY

- A) Pre-assemble Part A's to the crossbars using (2) bolts from the 8-00-9927 bolt packets
- a. Leave bolts loose enough to allow Part A to slide in and out for adjustment on vehicle



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STEP 5: POSITION PART B, THEN PLACE PART A + CROSSBARS ON TOP OF VEHICLE. TIGHTEN A TO B. THEN TIGHTEN CROSSBARS.

A) Place Crossbar and Part A's on the top of the vehicle roof and position at the location desired.

NOTE: If your package came with different height brackets (such as 8-00-9794 and 8-00-9795) you can position the taller bracket in either the front or rear location to create a 'level' platform. See example below of Nissan Rogue using the taller bracket in the front to create a level platform.

PRO TIP: To level all 3 or 4 crossbars nearly the same you can use a flat straight piece of wood, such as a 2x4, on top of two of the crossbars, then adjust the 3rd crossbar accordingly until it just touches the bottom of the 2x4. Final small adjustments can be made by using the extra washers 'C' or Rubber 'H'.



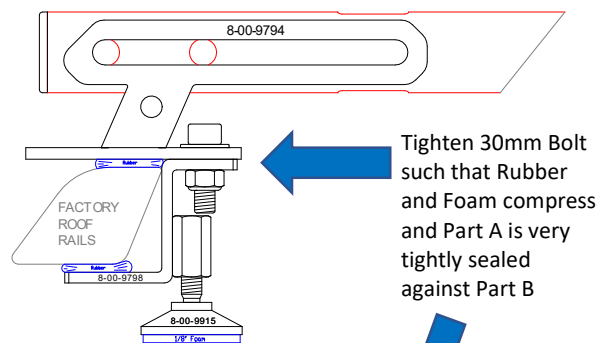
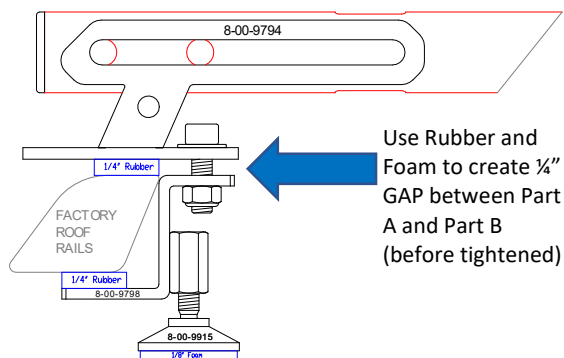
Ultimately the installer and vehicle owner are responsible to ensure the items being secured down and done so in manner safe for road and/or offroad travel as well as keeping within OEM vehicle limitations and abiding by local, state, and national laws. See vehicle's owner manual for vehicle maximum limitations. That being said, some common locations and distances we have found over the years are:

- 1) If you do not have specific items to mount at this time, a common default spread for (2) crossbars would be 30" to 32" – that will work with many roof top items on the market today.
- 2) EXR Kayak mounts work well from 22" up to 36" spread between crossbars. Exceptions do occur based on the bottom of the vessel, overall length, etc. Final mounting of vessel as well as safety checks must be done before the configuration is road worthy or off-road worthy.
- 3) Roof Top Tent manufacturers often have specific ranges for crossbar spread; often enough we have seen the tent manufacturers recommend not allowing the tent rails (commonly two aluminum rails on the bottom of the tent) to overhang the crossbars by more than 12" or 18" depending on the tent. Thus the crossbar spread should be chosen to meet these requirements.

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STEP 6: TIGHTEN DOWN BOLTS

- A) Place Part B under Part A and crossbar. Press Part B tightly into place against roof rail using one hand and hold. Line up Part A such that 1) crossbar is centered between roof rails and 2) so that Part A is both sitting on top of the roof rails properly and one of the (8) hole options in Part A match up to Part B. Now raise Part A and add the Foam 'F' and/or Rubber 'H', per Step 2.
- NOTE: Foam/Rubber should be located on Part A where the majority of Part A touches the majority of the roof rail
 - IMPORTANT: You MUST have at least $\frac{1}{4}$ " gap after rubber is installed to ensure that when tightened the rubber/foam compresses and holds tightly.
- B) Insert 30mm bolts 'A' as seen in the photo and tighten.
- Bolts should be tighten as tight as you can torque by hand using a wrench on the bottom and your hand on the top 6mm Allen Key. Part B steel should sit flat and tight against Part A steel.
 - Pro Tip: use 13mm ratchet on the bottom (nut) and turn the 6mm Allen Key on top to tighten quickly and easily. Do this for all brackets on all crossbars



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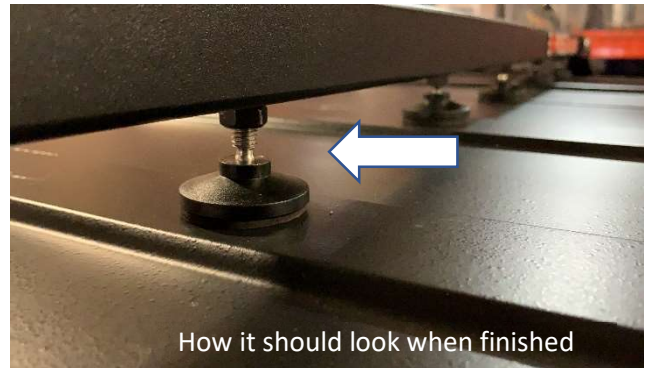
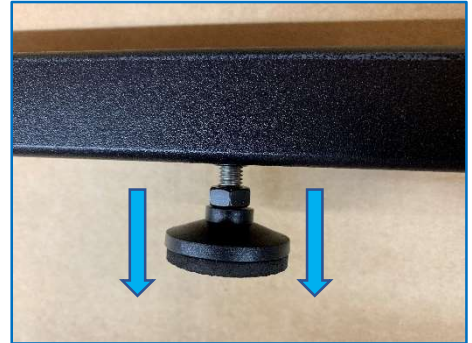
- C) After all brackets have been tightened, then tighten the 3/8" Bolts (8-00-9927) Part A to the crossbars. Use two 9/16" ratchet wrenches (or substitute with 14mm). Otherwise two adjustable wrenches will also work.
- a. Bolts should be tightened using standard size wrenches, torqued tightly by hand. **DO NOT USE POWER TOOLS OR PNEUMATIC TOOLS!**
 - b. In some circumstances, depending on how Part A grips the factory roof rail, Part A will want to sit slightly askew to the crossbar. While this does not effect the function or integrity of the crossbars, they can still be made perfectly parallel pulling up or pressing down on the crossbar or Part A and then tightening.



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STEP 7: LOWER AND TIGHTEN FEET ON XBARS

- A) If any weight distribution feet have been used, now is the time to lower and tighten them. If used on Part B of the bracket, then the height should have already be determined in Step 3 – so these should be done. If these need any adjustment, see Post-Installation Adjustments in Step 8.
- a. To lower the crossbar feet, simply unthread the feet by hand until they lower down and the soft pad on the bottom touches, then compresses onto the roof top. Feet should be snug, but not too tight on the roof top (i.e. the foam should be compressed a little bit).
 - i. **!!! This is a good time to double check that the feet are not being used on glass or similar breakable material !!!**
 - b. Now reverse the nut back up the threaded bolt to the crossbar. Use either an adjustable wrench or a 13mm wrench to reverse tighten the nut against the crossbar (serving as a jamb nut). This will lock the foot into place at the height you decided.



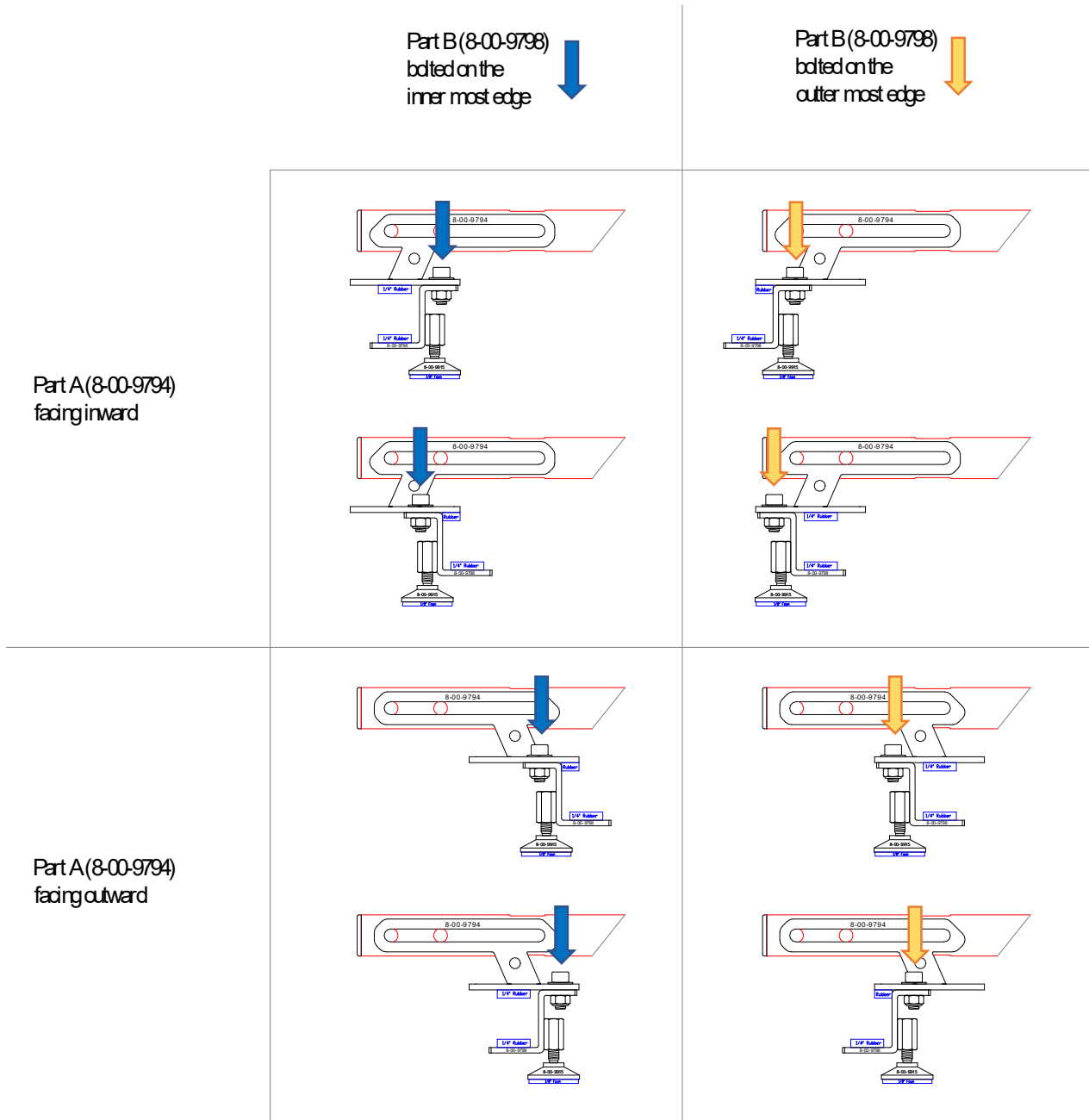
- B) At this point you can check the fitment and strength of the crossbars. If you grab the Part A bracket where it is bolted to the crossbar and pull left, right, up, down, back, and forth it should stay in place and not slide. The vehicle should rock when doing this, but the crossbars should stay in place. You should expect some small movement between the crossbar and the roof rail. This may not be noticeable with the vehicle rock, but if you are able to isolate the roof rail compared to the crossbar you will see the rubber/foam padding as some slight give. This is intentional and used to 1) conform to variances in roof rails and 2) allow for some forgiveness in the crossbars when loading, unloading, and using the structure.

If the crossbars are able to 'rock' forward and backward by hand and without using leverage (i.e. a click-in pin) then there may not be enough compression – in which case you will need to unbolt Part A from Part B and add another piece of rubber.



EXHIBIT 1: BRACKET ARRANGEMENT OPTIONS (EXAMPLE ONLY)

Note: This example uses 8-00-9794 (Part A) and 8-00-9798 (Part B). Your specific package came with the Part A and Part B that fits your vehicle. So the SKU numbers may be different, but the options seen below can be used on various combinations of Part A's and Part B's.



Thank you for purchasing this American Made product! We are proud to have you as a customer!



IMPORTANT: IT IS THE RESPONSIBILITY OF THE INSTALLER/USER TO DECIDE WHERE AND HOW MUCH WEIGHT TO DISTRIBUTE IN ANY ONE LOCATION. OVER EXTENDING A THREADED FOOT IN ONE SPOT WILL CAUSE DAMAGE TO THE ROOF TOP. WHEN INSTALLING FEET AND WHEN PUTTING LOAD ON THE ROOF TOP, TAKE CAUTION TO ALWAYS DISTRIBUTE THE WEIGHT AS MUCH AS POSSIBLE, AND NEVER, NEVER LOWER A FOOT CLOSE TO, ON THE EDGES OF, OR ONTO GLASS ITSELF OR OTHERWISE FRAGILE TOP. WE WILL NOT COVER ANY DAMAGE RELATED TO THIS. WEIGHT CAPACITY IS LIMITED TO VEHICLE'S MAXIMUM STATIC AND DYNAMIC WEIGHT LIMITS. WHEN PUTTING LOAD ON THE ROOF TOP, TAKE CAUTION TO ALWAYS DISTRIBUTE THE WEIGHT AS MUCH AS POSSIBLE. USE COMMON SENSE WHEN INSTALLING AND CARRYING LOADS. EXR CROSSBARS ARE VERY STRONG, BUT INSTALLATION OF CROSSBARS DOES NOT MAKE YOUR VEHICLE INVINCIBLE, AND THEY DO NOT PROTECT YOU IN THE EVENT OF A VEHICLE ROLL OVER OR OTHER IMPACT. PLEASE USE COMMON SENSE.

BEFORE EACH USE (DRIVE), ALWAYS CHECK ALL BOLTS FOR TIGHTNESS AND CHECK THE POSITION AND STRAPS/BOLTS/PINS OF THE LOAD BEING CARRIED. WHENEVER LOADING SOMETHING ON TOP OF THE CROSSBARS FOR THE FIRST TIME YOU SHOULD STOP THE VEHICLE AFTER A FEW MINUTES OF DRIVING TO CHECK/TIGHTEN EVERYTHING (THIS IS FOR ALL ITEMS ON ALL ROOF RACKS, NOT JUST EXR).

Thank you for purchasing Exposed Racks crossbars. Please use these crossbars for awesome activities, take pictures, and share (#exposedracks, @smsautopartsco). Your crossbars were MADE IN AMERICA, and MADE IN PENNSYLVANNIA (not just designed, or assembled... but actually completely made here, by SMS Auto Parts, Co. – from raw steel all the way through to final packaging). You personally supported our dedicated employees as well as Breast Cancer Awareness with your purchase. Our business model is to reinvest into and grow our business and we look forward to having you as a lifetime customer. Sincerely, the 'EXR' Team

**SMS makes no representation or warranty as to the amount of weight that can be safely loaded onto the Exposed Racks for use with your vehicle. The weight and location of the Exposed Racks and any items or material placed upon them may affect your vehicle's safety, handling, stability and performance and may create an increase risk of accident or rollover. The use of Exposed Racks may adversely impact the performance characteristics of your vehicle. Consumers are solely and completely responsible for evaluating their vehicle to ensure that the vehicle, and each part of that vehicle, is appropriate for use of the Exposed Racks and for any gear, item and/or load that you may wish to use in conjunction with the Exposed Racks. Before installing the Exposed Racks and placing any item or load upon them, check and confirm your vehicle's factory recommendations and specifications. The load you are carrying and plus the weight of the rack must not exceed the maximum weight limitations of the vehicle's factory recommendations. Exposed Racks are sold with a LIMITED WARRANTY. See website for details. smsparts.com/warranty.*

The applications of Exposed Racks crossbars are virtually unlimited. Given the variety of gear and equipment with which these racks may be used, it is impossible for us to give advice on the suitability of our products to a specific application. You are responsible for determining the suitability of our products to your particular application, and that you are installing and using our products in compliance with all local, state, and federal laws and regulations and applicable health and safety standards. All information is published in good faith and for general information purposes only. SMS does not make any warranties about the completeness, reliability and accuracy of this information. All manufacturer names, symbols, and descriptions, used in our images and text are used solely for identification purposes only. It is neither inferred nor implied that any item sold by SMS is a product authorized by or in any way connected with any vehicle manufacturers displayed on this page.

WARRANTY

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Who May Use This Warranty?

This limited warranty extends only to the original purchaser of products and services from the Site. It does not extend to any subsequent or other owner or transferee of the product or any transferee or other beneficiary of the service.

What Does This Warranty Cover?

This limited warranty covers during the Warranty Period (as defined below) defects in materials and workmanship in products and services purchased from the Site.

What Does This Warranty Not Cover?

This limited warranty does not cover any damages due to: transportation; storage; improper use; failure to follow the product instructions, guidelines or to perform any preventive maintenance; modifications of or any types of repairs to the product and/or a load system carrier other than those authorized by SMS; combination or use with any products, materials, processes, systems or other matter not provided or authorized in writing by SMS Auto Parts, Co.; unauthorized repair; normal wear and tear; cosmetic rust, and scratches; external causes such as accidents, abuse, intentional or unintentional deformation of parts, unlawful vehicle operation, or other actions or events beyond our reasonable control.

What is the Period of Coverage?

This limited warranty starts on the date of your purchase and lasts for a THREE YEAR TIME PERIOD the "**Warranty Period**". The Warranty Period is not extended if we repair or replace a warranted product or re-perform a warranted service. We may change the availability of this limited warranty at our discretion, but any changes will not be retroactive.

What Are Your Remedies Under This Warranty?

With respect to any defective products during the Warranty Period, we will, in our sole discretion, either: (i) repair or replace such products (or the defective part) free of charge or (ii) refund the purchase price of such products.

How Do You Obtain Warranty Service?

To obtain warranty service, you must call 215-310-1917 or email our Customer Service Department at support@smsparts.com during the Warranty Period to obtain an RMA number. No warranty service will be provided without an RMA number. Any refunds will go through the authorized distributor, vendor, seller, retailer, re-seller, or website from where the original parts were purchased. Parts must be purchased from an authorized retailer to qualify for a warranty claim.

Limitation of Liability

THE REMEDIES DESCRIBED ABOVE ARE YOUR SOLE AND EXCLUSIVE REMEDIES AND OUR ENTIRE OBLIGATION AND LIABILITY FOR ANY BREACH OF THIS LIMITED WARRANTY. OUR LIABILITY WILL UNDER NO CIRCUMSTANCES EXCEED THE ACTUAL AMOUNT PAID BY YOU FOR THE DEFECTIVE PRODUCT OR SERVICE THAT YOU HAVE PURCHASED THROUGH THE SITE, NOR WILL WE UNDER ANY CIRCUMSTANCES BE LIABLE FOR ANY LOSS OF PRODUCTION, WORK, DATA, USE, BUSINESS, GOODWILL, REPUTATION, REVENUE OR PROFIT, ANY DIMINUTION IN VALUE, COSTS OF REPLACEMENT GOODS OR SERVICES, OR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL OR PUNITIVE DAMAGES OR LOSSES, WHETHER DIRECT OR INDIRECT.

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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.