



BMW E53 X5 Overland Roof Rack
Installation Instructions - [Click HERE to Shop](#)



Skill Level
2 - Moderate
Some Experience
Recommended



Proper service and repair procedures are vital to the safe, reliable operation of all motor vehicles as well as the personal safety of those performing the repairs. Standard safety procedures and precautions (including use of safety goggles and proper tools and equipment) should be followed at all times to eliminate the possibility of personal injury or improper service which could damage the vehicle or compromise its safety.

INSTALLATION NOTES

- **RH** refers to the *passenger side* of the vehicle.
- **LH** refers to the *driver side* of the vehicle.
- Always use the proper torque specifications.
- If applicable to this installation, torque specifications will be listed throughout the document and at the end as well.
- Please read all of these instructions and familiarize yourself with the complete process **BEFORE** you begin.

GENERAL PREPARATION AND SAFETY INFORMATION

ECS Tuning cares about your health and safety, please read the following safety information. This information pertains to automotive service in general, and while it may not pertain to every job you do, please remember and share these important safety tips.

- Park your car in a safe, well lit, level area.
- Shut the engine off and remove the key from the ignition switch.
- Make sure any remote start devices are properly disabled.
- **ALWAYS** wear safety glasses.
- Make sure the parking brake is applied until the vehicle is safely lifted and supported.
- Whether lifting a vehicle using an automotive lift or a hydraulic jack, be sure and utilize the factory specified lift points.
- Lifting a vehicle in an incorrect location can cause damage to the suspension/running gear.
- **ALWAYS** support the vehicle with jack stands.
- **ALWAYS** read and follow all safety information and warnings for the equipment you are using.

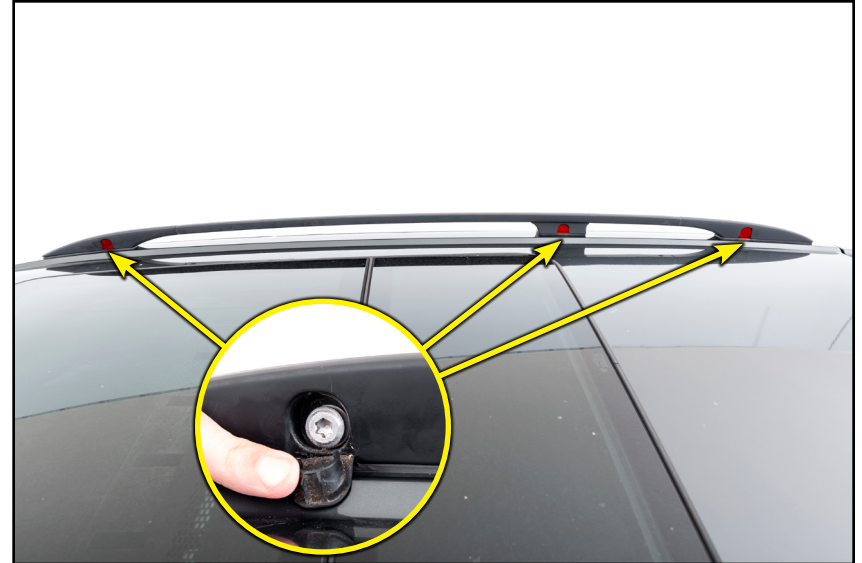


NEVER get underneath a vehicle that is supported only by a jack, and **ALWAYS** make sure that the vehicle is securely supported on jack stands.

REMOVING THE STOCK ROOF RAILS

Step 1: T30 Torx Socket & Ratchet

Pull back the rubber covers (highlighted in **RED**) and remove the three screws (arrow inset photo) that secure that each roof rail to the vehicle. Lift up on the roof rails and remove them from the vehicle.



Step 2:

Remove the rubber gaskets (highlighted in **RED**) from around each of the roof rail brackets.



REMOVING THE STOCK ROOF RAILS

Step 3: 10mm Socket & Ratchet

Remove the bolts that secure the roof rail brackets (circled in **RED**) to the vehicle. Lift up on the brackets and remove them from the vehicle.



Step 4:

Remove the foam seals (highlighted in **RED**) from the roof and clean the area.



INSTALLING THE NEW ROOF RACK

Step 1:

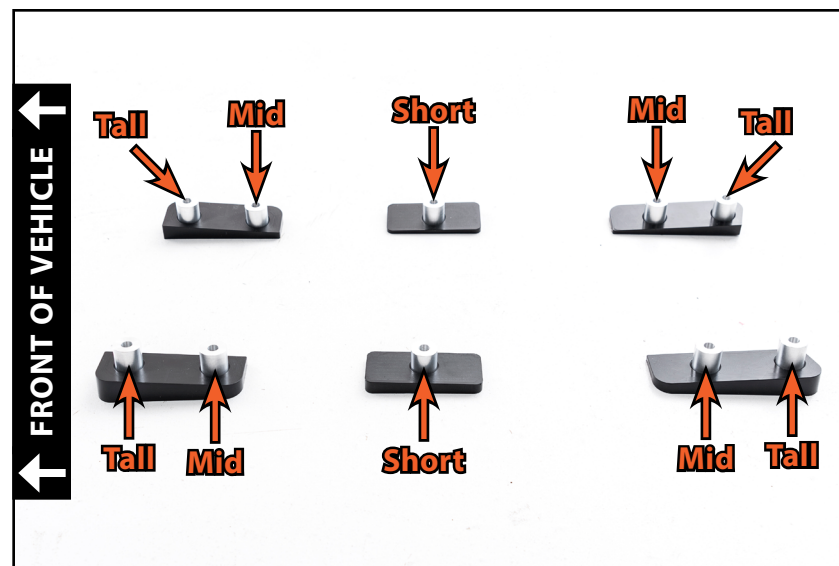
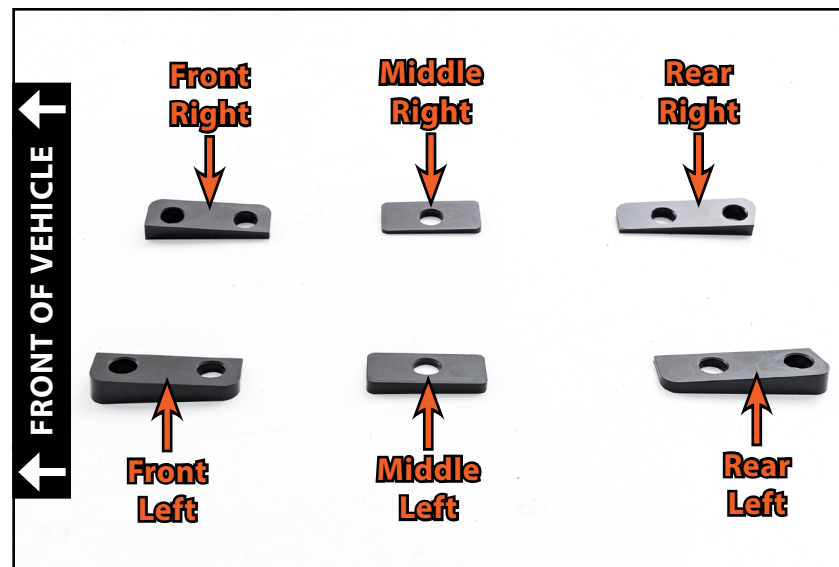
Lay out the poly isolators and identify where each isolator goes. When installed all isolators slope towards the center of the vehicle with the front isolators being taller than the rear.



The isolators each have holes which are flat on one side, and chamfered on the other. The side with the chamfered holes must face upward once installed.

Step 2:

Install the spacers into the holes in the isolators as shown, with smallest spacers going into the middle isolators, and the tallest going in the outermost holes in the front and rear isolators.



INSTALLING THE NEW ROOF RACK

Step 3:

Install the isolators into their corresponding location on the vehicle, then slide the spacers down into the holes in the roof.



Step 4:

Install the roof rack brackets in the orientation shown, then secure them in place with the provided bolts and washers (arrows in inset photos), but leave the bolts loose enough to allow for adjustment.



The bolts for the middle roof rack brackets should be installed **without** washers.



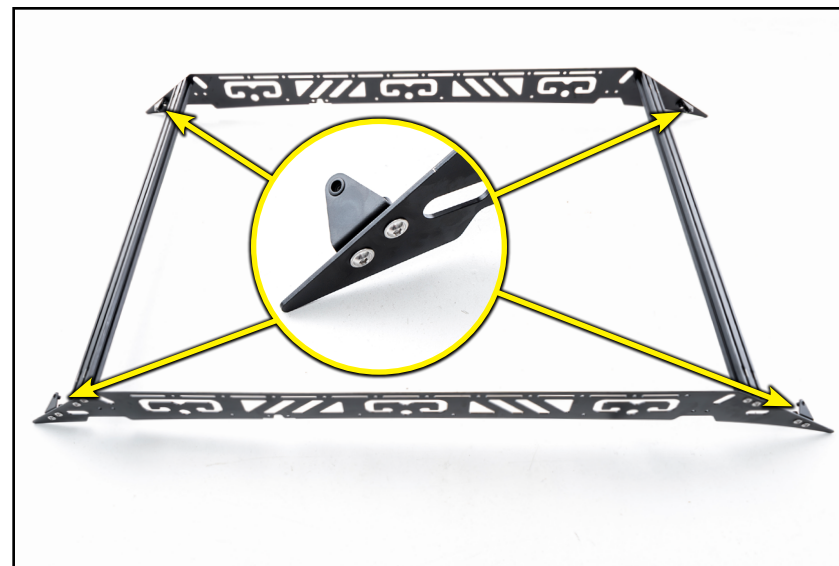
INSTALLING THE NEW ROOF RACK

Step 5: 5mm Hex (Allen) Socket & Ratchet

Install two of the slotted cross bars into the second lowermost set of holes at each end of the side panels and secure them in place with the provided M8 screws. Install the fairing brackets (inset photo) into the lowermost set of holes at each end of the side panels, facing inward and secure them in place with the provided M8 screws.



The fairing brackets are side-specific and must be installed in the proper locations. The front brackets are clearly marked with an "F" and the rear with an "R"

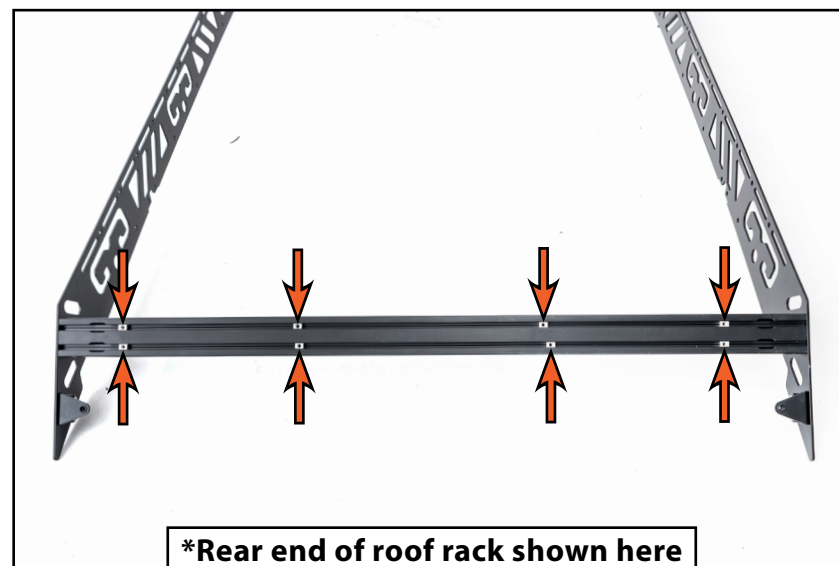


Step 6:

Slide 8 of the T-slot nuts (arrows) into the openings in each of the cross bars then slide them into the approximate positions shown.



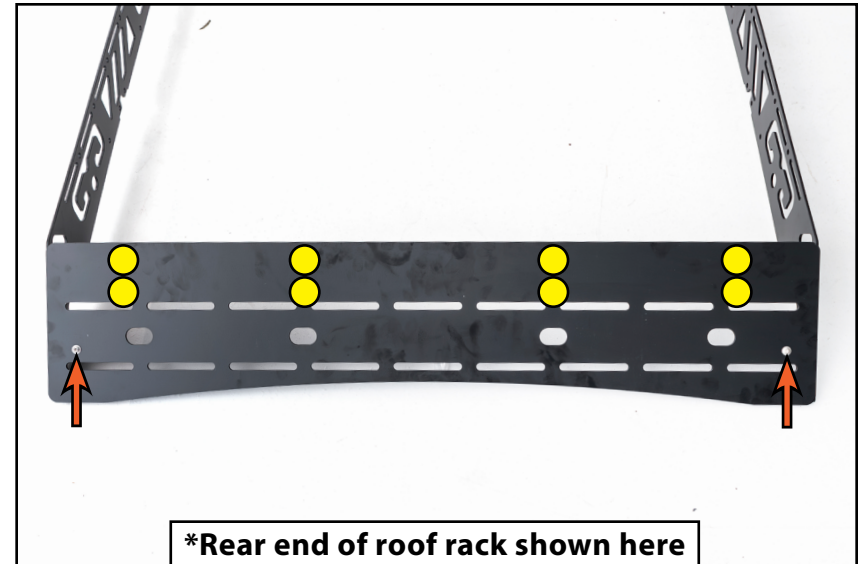
Install the nuts with the flat side facing out.



INSTALLING THE NEW ROOF RACK

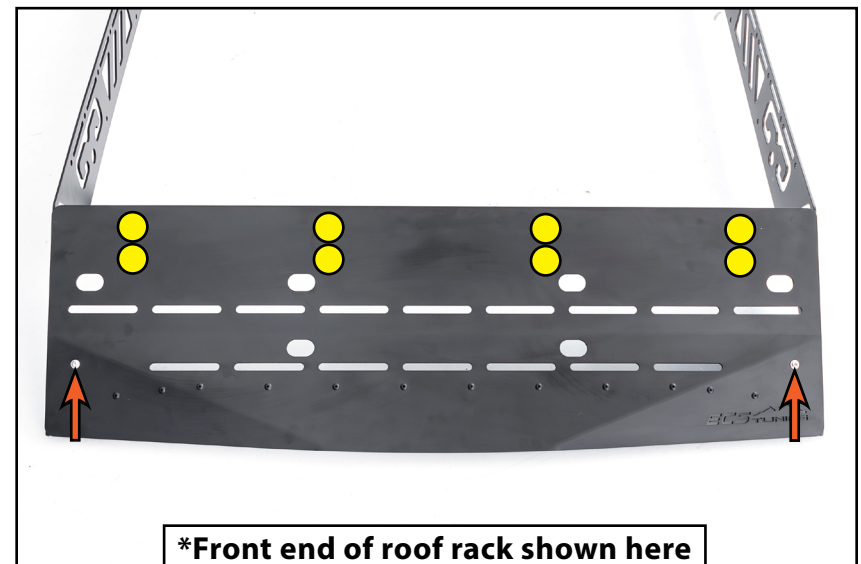
Step 7: 4mm Hex (Allen) Socket & Ratchet

Lay the rear fairing into place, then slide it side to side until you can loosely thread the provided M6 x 10mm screws (**YELLOW** circles) into the nuts. Secure the fairing to the brackets with two of the provided M6 x 18mm screws (arrows), then fully tighten all of the screws.



Step 8: 4mm Hex (Allen) Socket & Ratchet

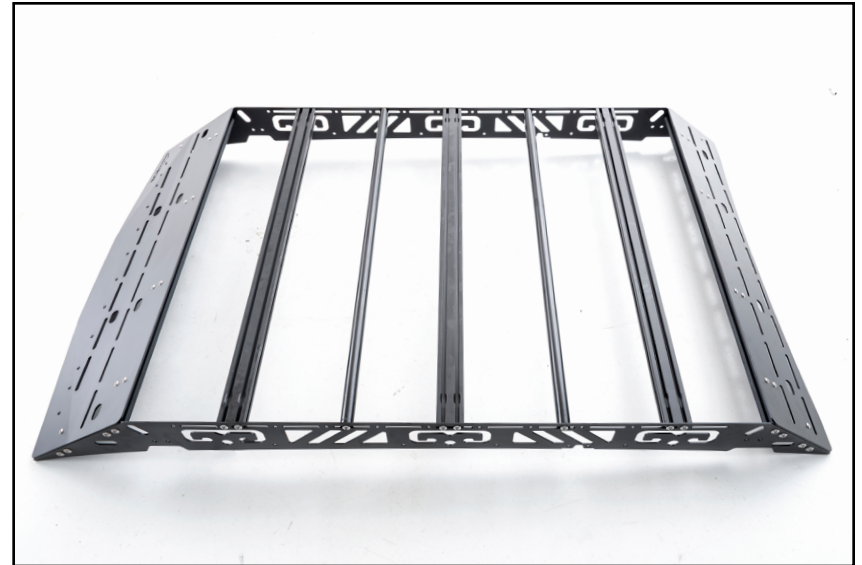
Lay the front fairing into place, then slide it side to side until you can loosely thread the remaining M6 x 10mm screws (**YELLOW** circles) into the nuts. Secure the fairing to the brackets with the two remaining M6 x 18mm screws (arrows), then fully tighten all of the screws.



INSTALLING THE NEW ROOF RACK

Step 9: 5mm Hex (Allen) Socket & Ratchet

Install the remaining cross bars into your desired locations and secure them in place with the provided M8 screws.



Step 10: 13mm Wrench, 5mm Hex (Allen) Socket & Ratchet

With the help of a second (or third) set of hands, carefully lift the assembled roof rack up into place and secure it to the brackets with remaining M8 screws (arrows) and nuts, tightening until snug. Go back and fully tighten the bolts to secure the brackets to the roof.



The bolts that secure the roof rack to the middle brackets thread into the bracket itself and do not require nuts.



Congratulations, your installation is complete!

Your Roof Rack installation is complete!



These instructions are provided as a courtesy by ECS Tuning

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