

PRIME DESIGN™

A Safe Fleet Brand



PRIME DESIGN RACK FBM-10007

2014+ Ram ProMaster Low/High Roof Base Mounting Kit

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PRIME DESIGN, A SAFE FLEET BRAND

Address: 580 Opperman Drive, Eagan, MN 55123 • Toll Free: 1.8.PRIME.RACK
Fax: 651-552-1799 • Email: info@primedesign.net • Website: www.primedesign.net

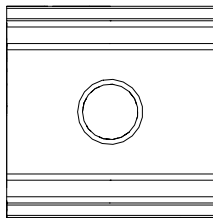
CONTENTS OVERVIEW

TWO & THREE CROSSBAR CONFIGURATIONS

NOTE: This Manual contains information covering two and three Crossbar configurations. If your model is a two Crossbar configuration, disregard all Center Crossbar installation information.



1—FBM-1007-BLK-BLK (Qty 1)
Channels, 117.50" w/Hardware Kits



Aluminum Strip Nut (6X)



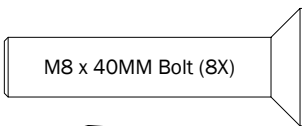
42" Channels (2X)



24" Channels (2X)



66" Channels (2X)



M8 x 40MM Bolt (8X)



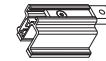
Top Connector (4X)



Bottom Connector (4X)



Brackets (6X)



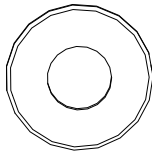
Mountings (8X)



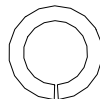
End Caps (8X)



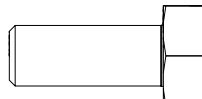
Screws (16X)



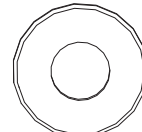
5/16" Flat Washer (6X)



5/16" Lock Washer (6X)



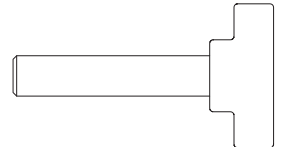
M8 x 20MM (6X)



1/4" Flat Washer (8X)



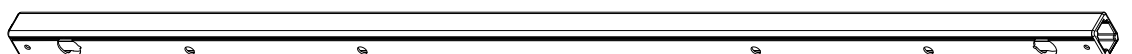
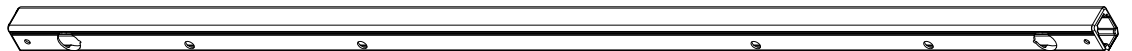
M6 Locknut (8X)



M6 T-Bolt (8X)

2—Crossbars (shown for illustrative purposes only)
Ordered separately

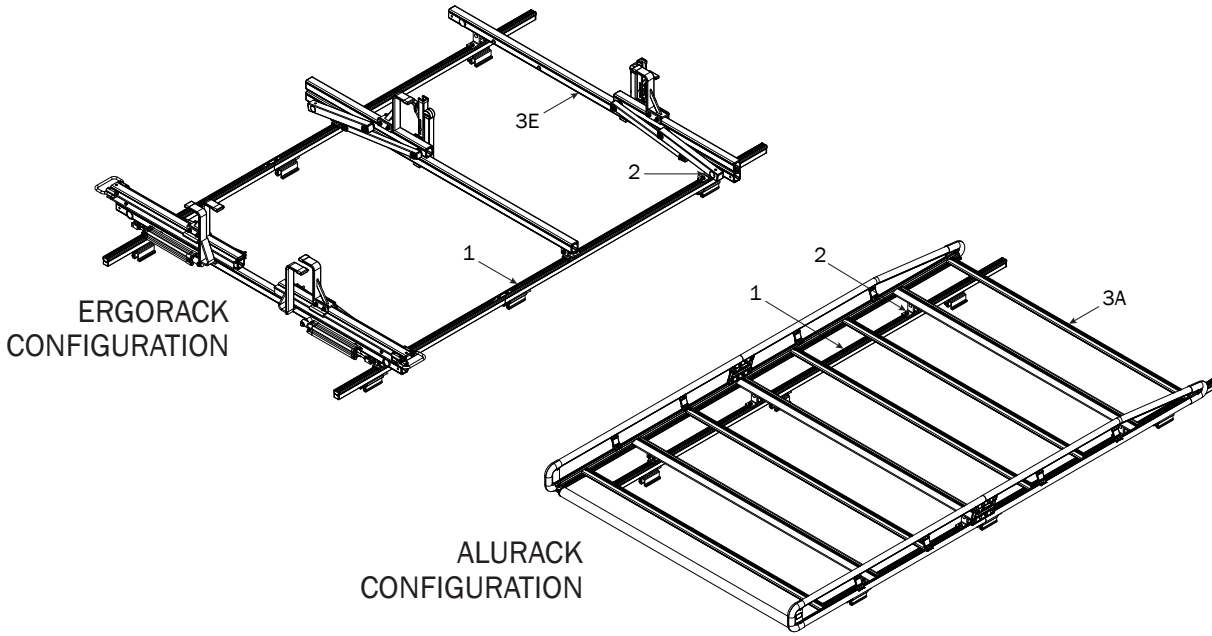
ErgoRack, Gen4



AluRack



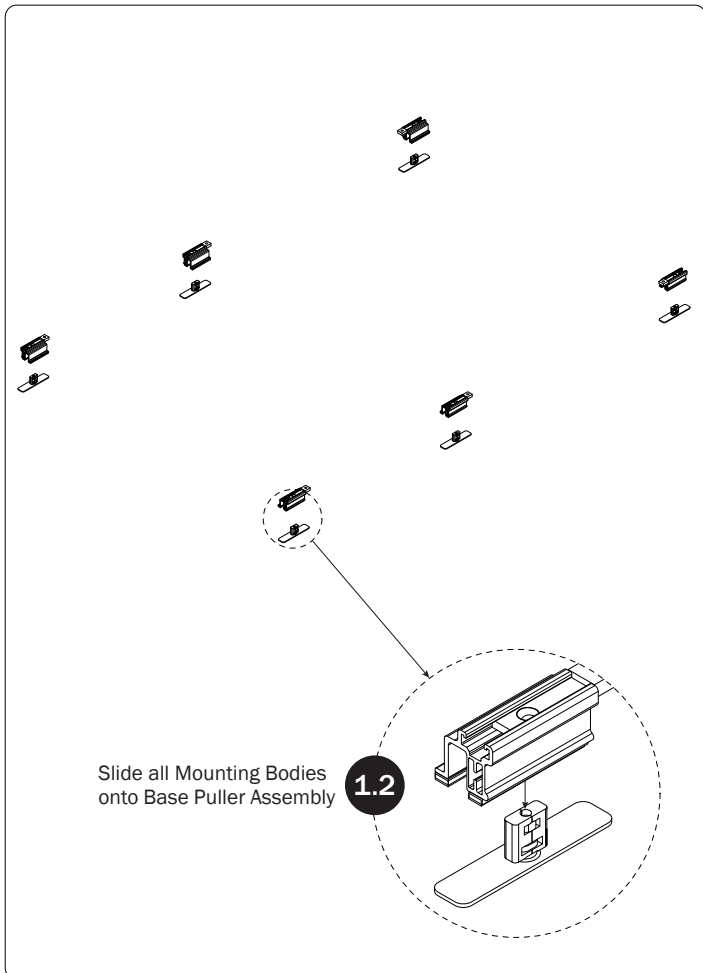
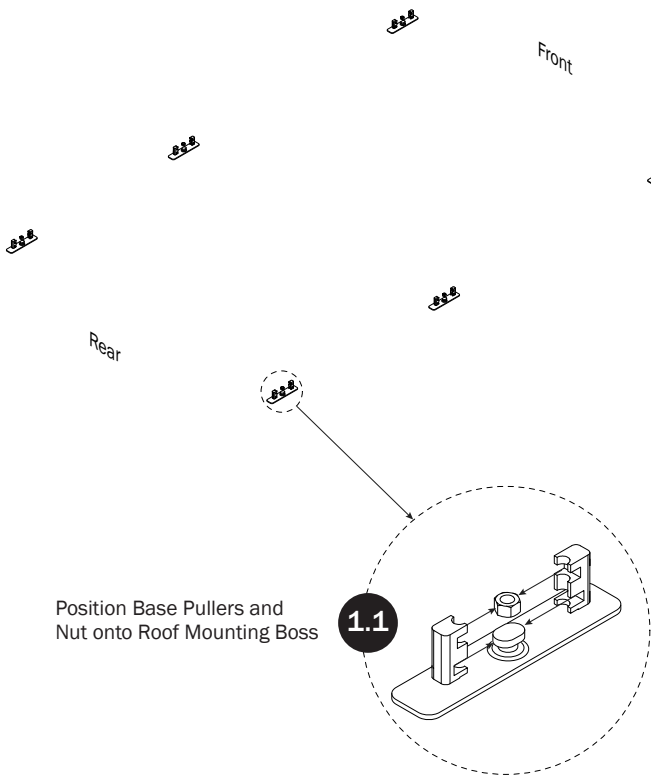
L1H1 (118.00") FBM ASSEMBLY SEQUENCE



NOTE: Base, Rotation, Crossbar, and Side Rail features are shown for illustrative purposes only. These features are not included with this Base Mounting Kit, and must be purchased separately.

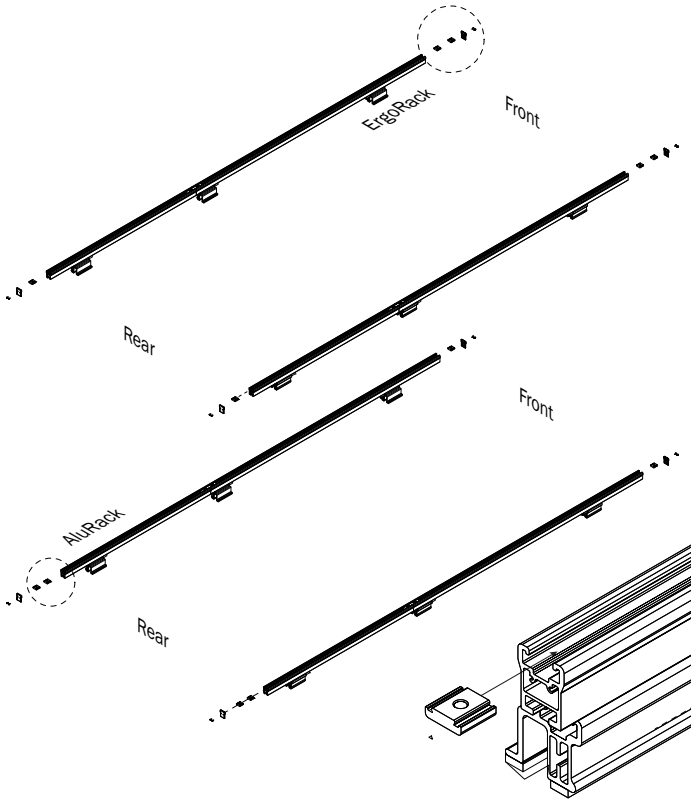
CHANNEL MOUNTINGS

NOTE: Channel Mountings must be disassembled for installation onto the vehicle's roof.

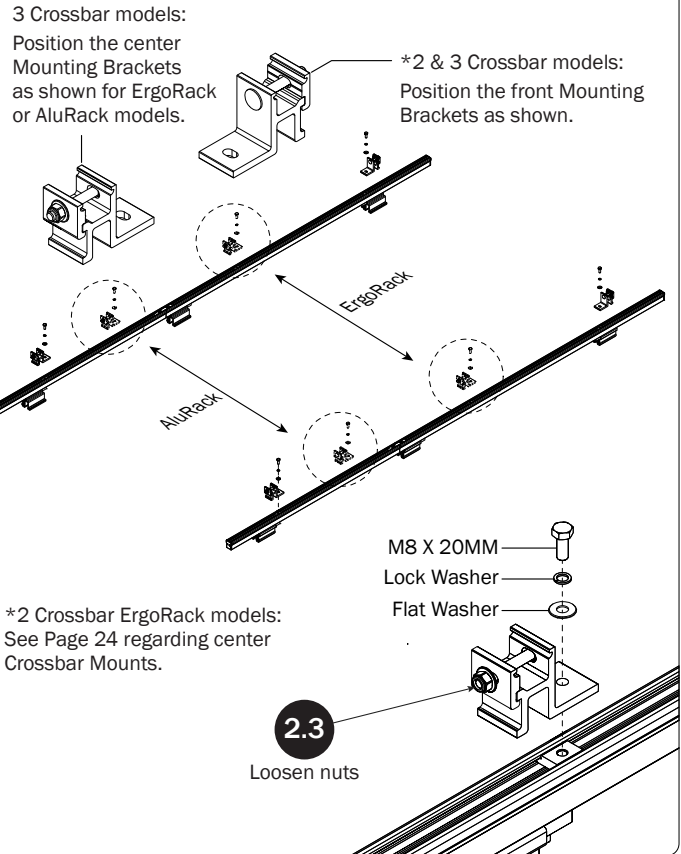


MOUNTING BRACKETS

2.1 Slide the Aluminum Strip Nuts into each end of the Channels, and attach the Channel Caps

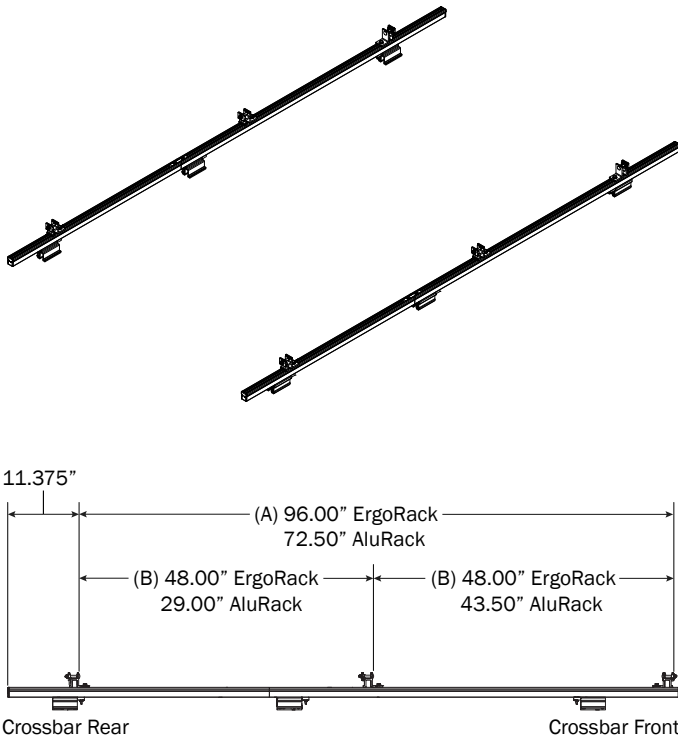


2.2 Using the supplied fastening hardware, attach the Crossbar Mounting Brackets into the Aluminum Strip Nuts placed into the Channels at Step 2.1



2.4 Set to distances shown below:
Use Dimensions A for 2 Crossbar models.
Use Dimensions B for 3 Crossbar models.

Do not torque the Crossbar Mounting Brackets until Step 3.4. Finger-tighten them into designated dimension to hold them in place, then proceed to your Feature (FEA) Assembly Manual.



Do not mount the Crossbars to this FBM system at this time.

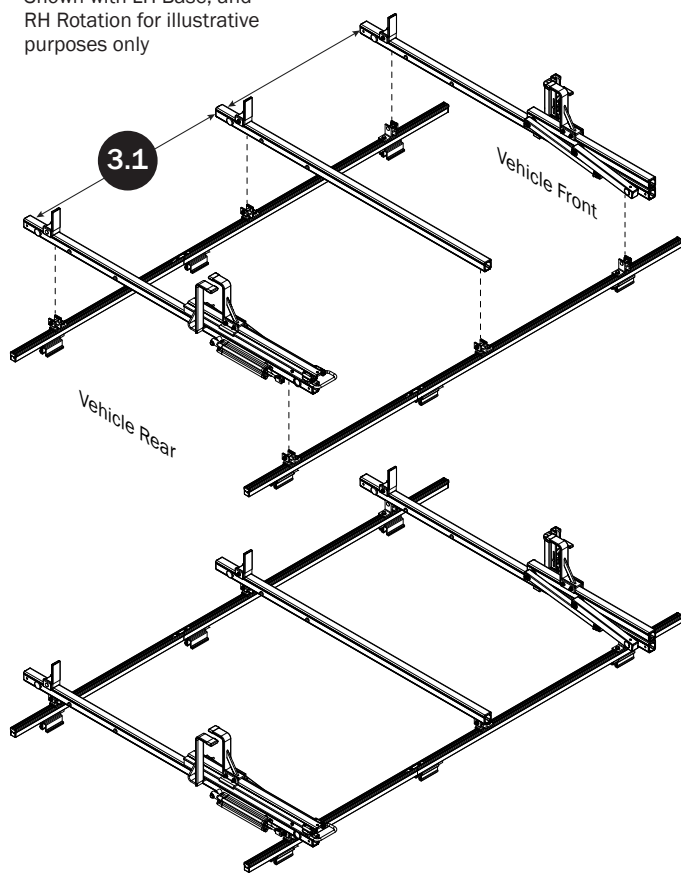
Refer to the respective FEA or AR Assembly Manual(s) included with your chosen rack configuration features. Depending upon the features chosen, you may need to perform a complete feature assembly onto the Crossbars or Side Rails as noted in that feature's Assembly Manual.

WARNING: Failure to position the Crossbars as shown in this FBM Assembly Manual may result in damage to the sliding door and/or ladder rack.

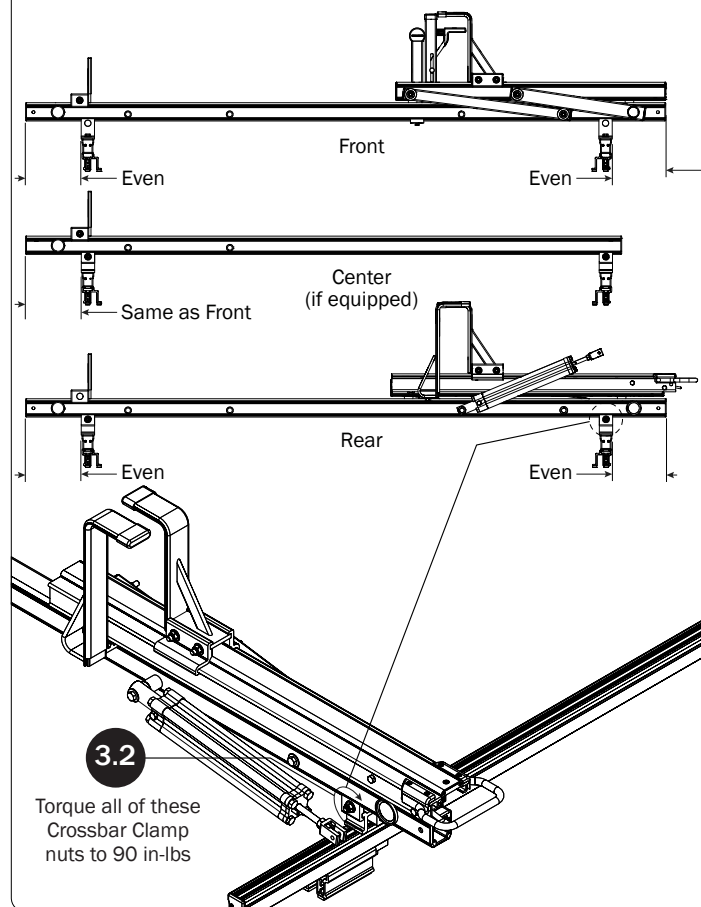
NOTE: Crossbars, Side Rails, Base, Clamp Down, or Rotation features are not included in this FBM kit, and must be purchased separately. To purchase applicable features and accessories, please contact your authorized distributor, or a Prime Design Sales & Service Representative.

CROSSBARS (ERGORACK)

Shown with LH Base, and RH Rotation for illustrative purposes only



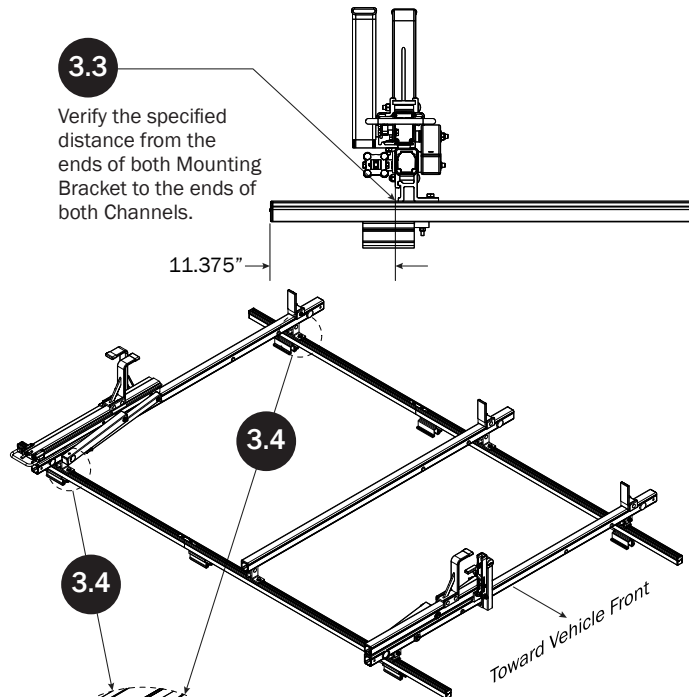
CROSSBAR ADJUSTMENT



3.3

Verify the specified distance from the ends of both Mounting Bracket to the ends of both Channels.

11.375"



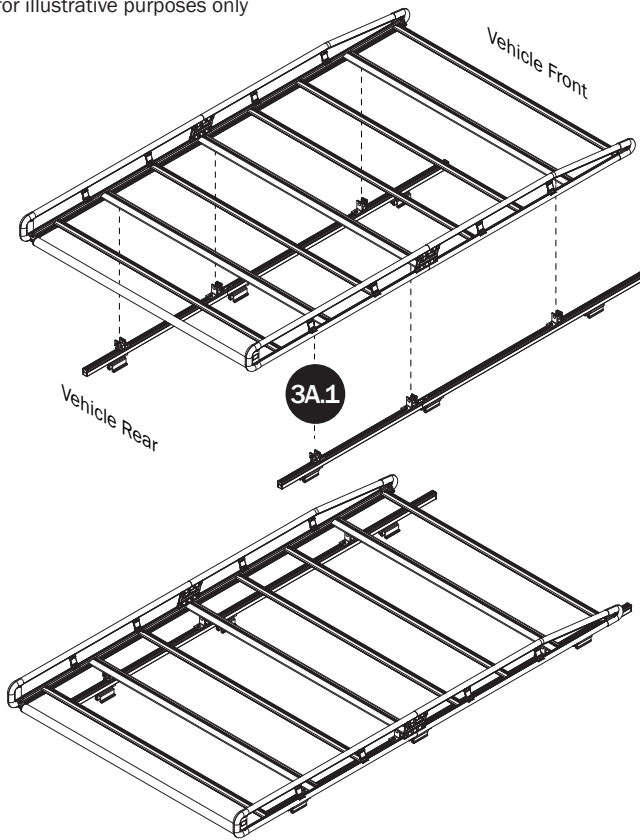
3.4

Torque only the Rear Crossbar Mounting Bracket bolts to 90 in-lbs at this time.

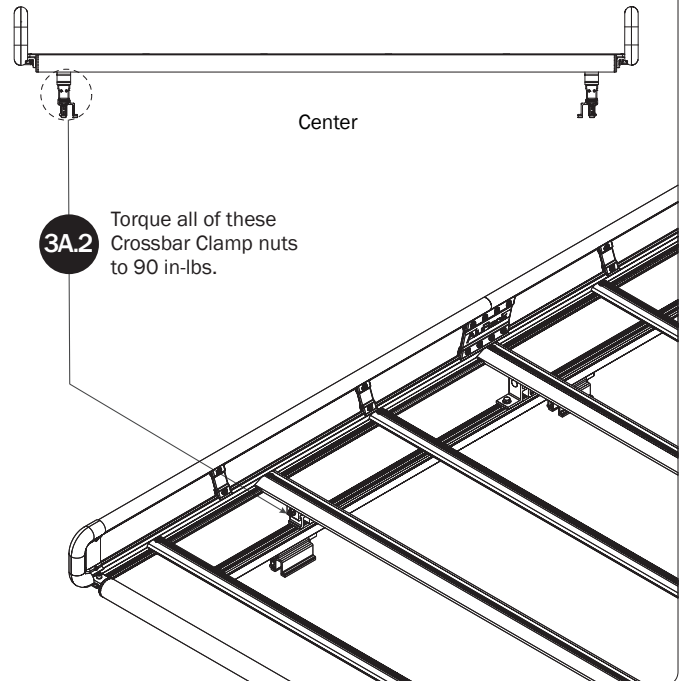
The Center (if equipped) and Front Crossbar Mounting Brackets will be torqued to specification when designated in the respective Feature (FEA) Assembly Manual.

CROSSBARS (ALURACK)

Shown with L1H1 AluRack
for illustrative purposes only



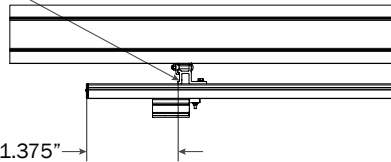
CROSSBAR ADJUSTMENT



3A.3

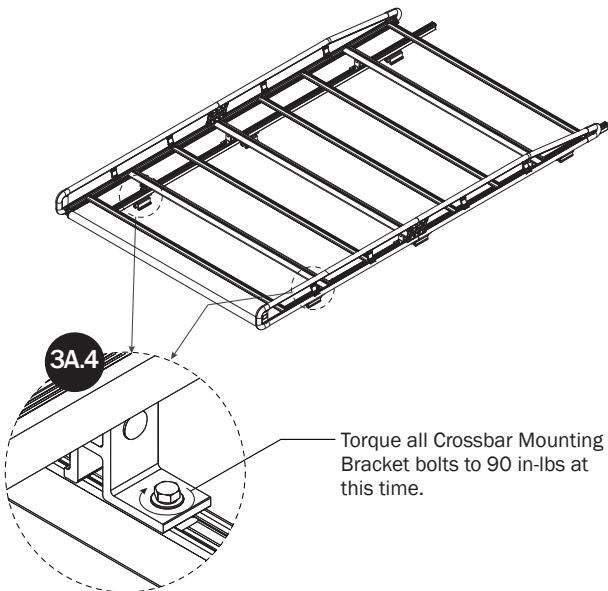
Verify the specified
distance from the
ends of both Mounting
Bracket to the ends of
both Channels.

11.375"

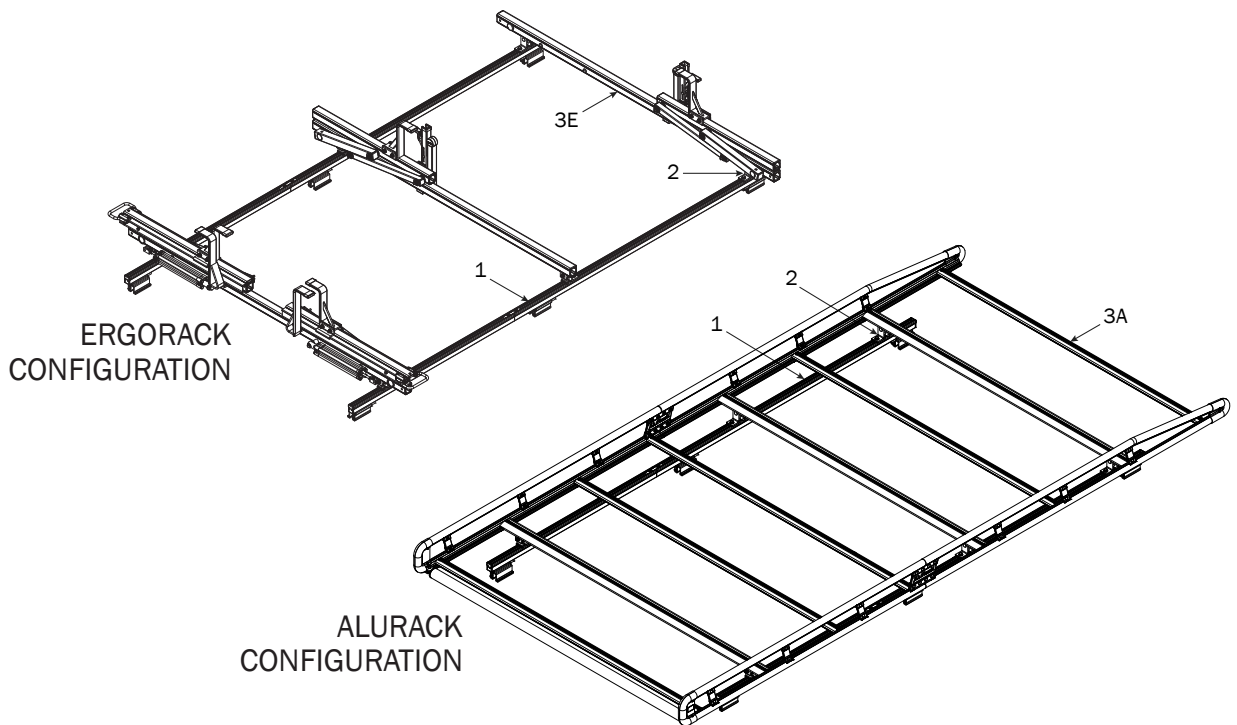


3A.4

Torque all Crossbar Mounting
Bracket bolts to 90 in-lbs at
this time.



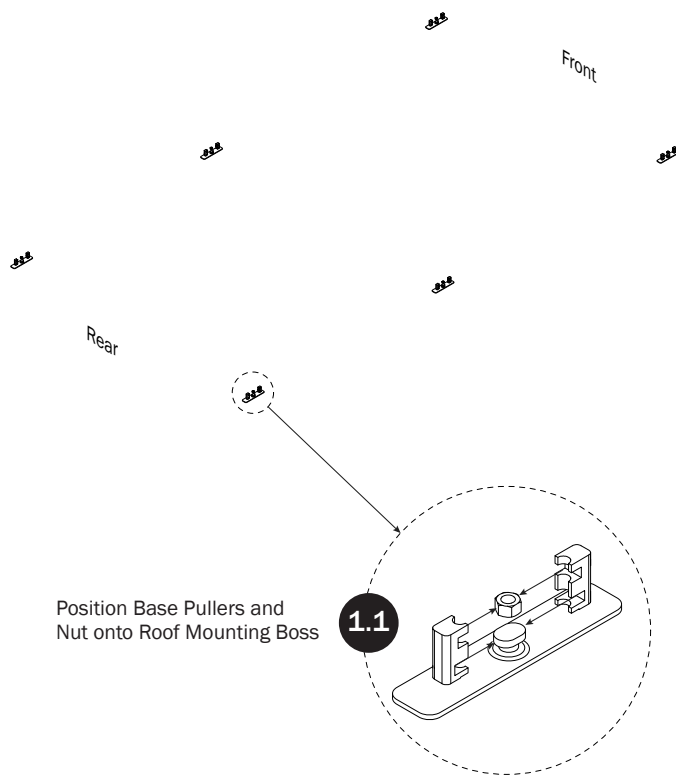
L2H1 (136.00") FBM ASSEMBLY SEQUENCE



NOTE: Base, Rotation, Crossbar, and Side Rail features are shown for illustrative purposes only. These features are not included with this Base Mounting Kit, and must be purchased separately.

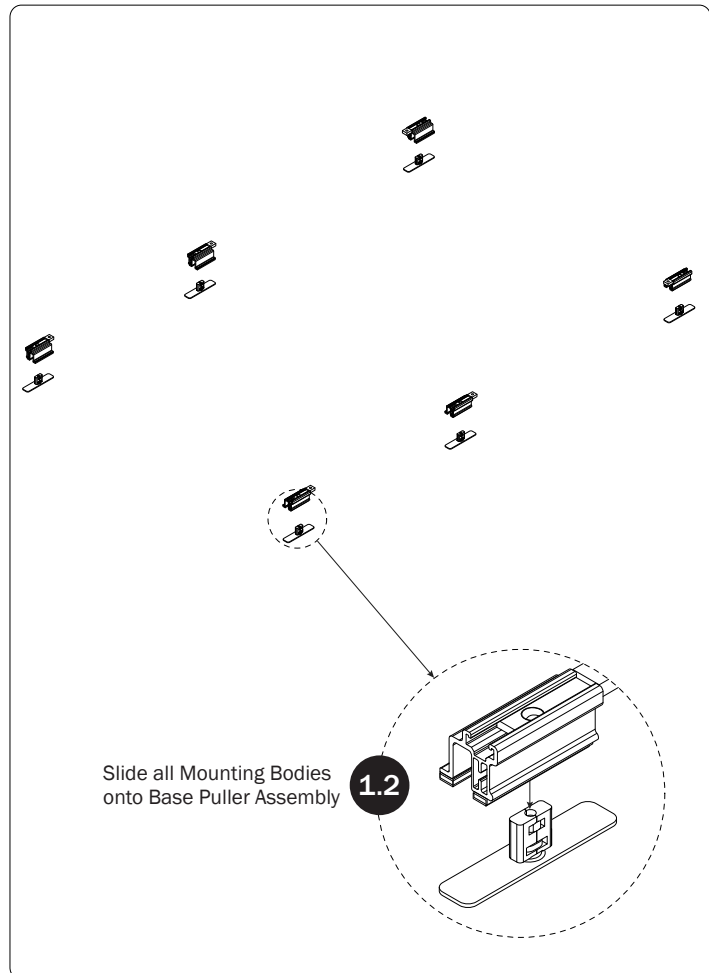
CHANNEL MOUNTINGS

NOTE: Channel Mountings must be disassembled for installation onto the vehicle's roof.



Position Base Pullers and Nut onto Roof Mounting Boss

1.1

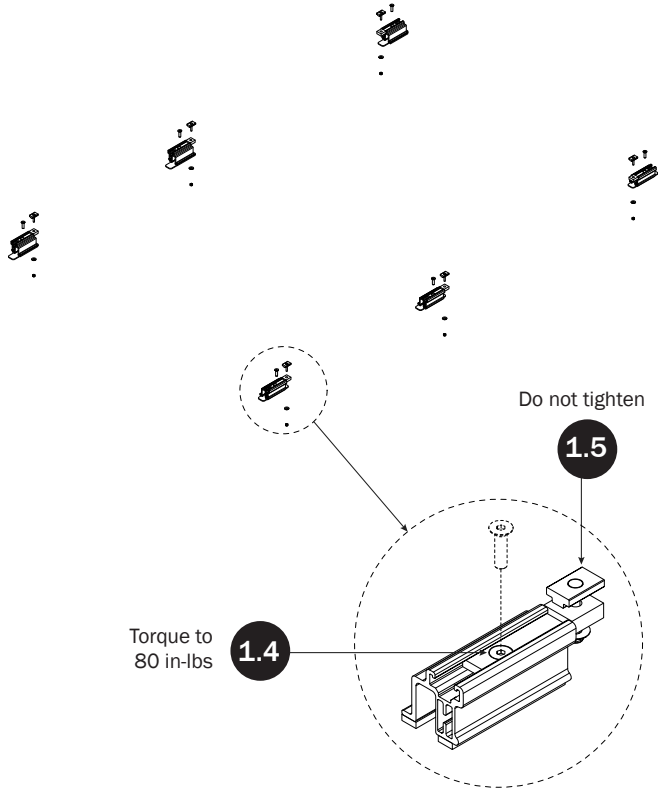


Slide all Mounting Bodies onto Base Puller Assembly

1.2

1.3

Slide and position the Channel Connector into the Mounting Body as shown, then screw the 30MM Flat Head bolt into the Base Puller.

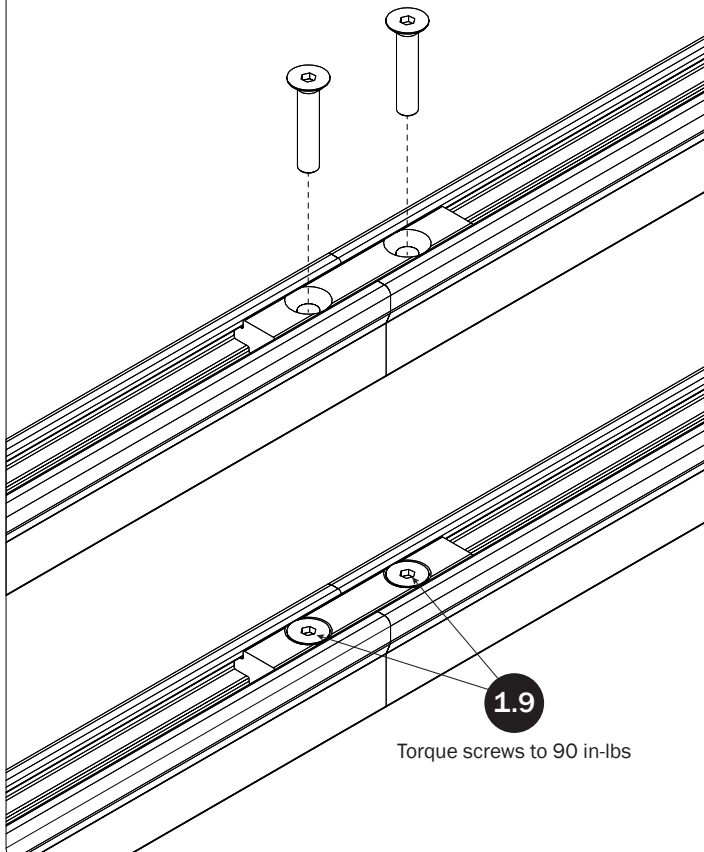


Torque to 80 in-lbs

Do not tighten

1.8

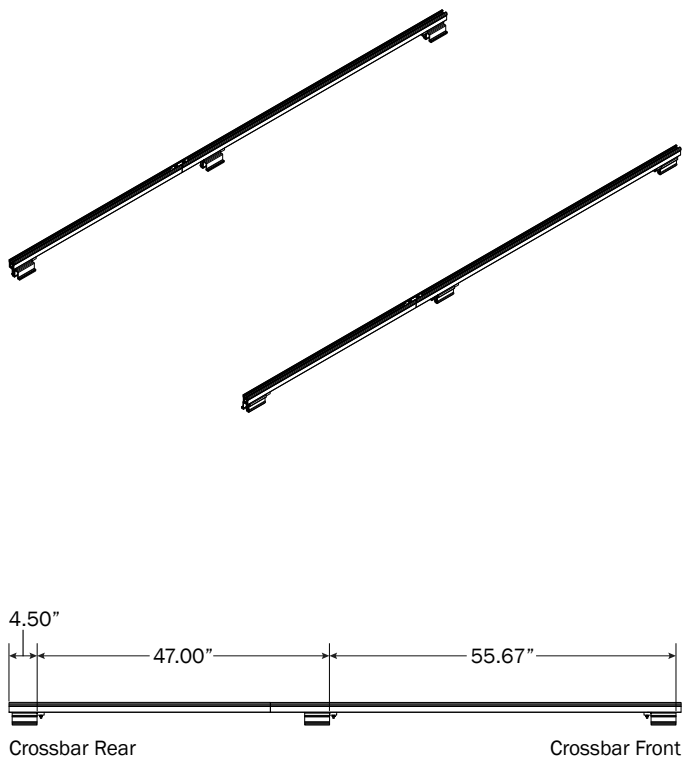
Screw the M8 x 40MM Allen Head bolts into the Upper and Lower Channel Splices. Due to tight manufacturing tolerances, both bolts must remain loose until Step 1.9



Torque screws to 90 in-lbs

1.10

Set to distances shown below, then torque Mounting Bracket nuts loosened at Step 1.5 to 80 in-lbs

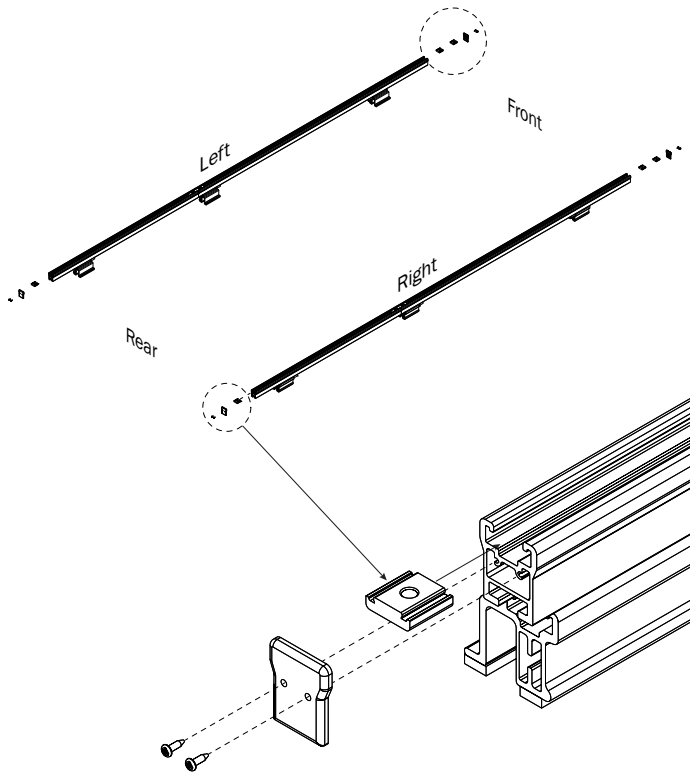


Crossbar Rear

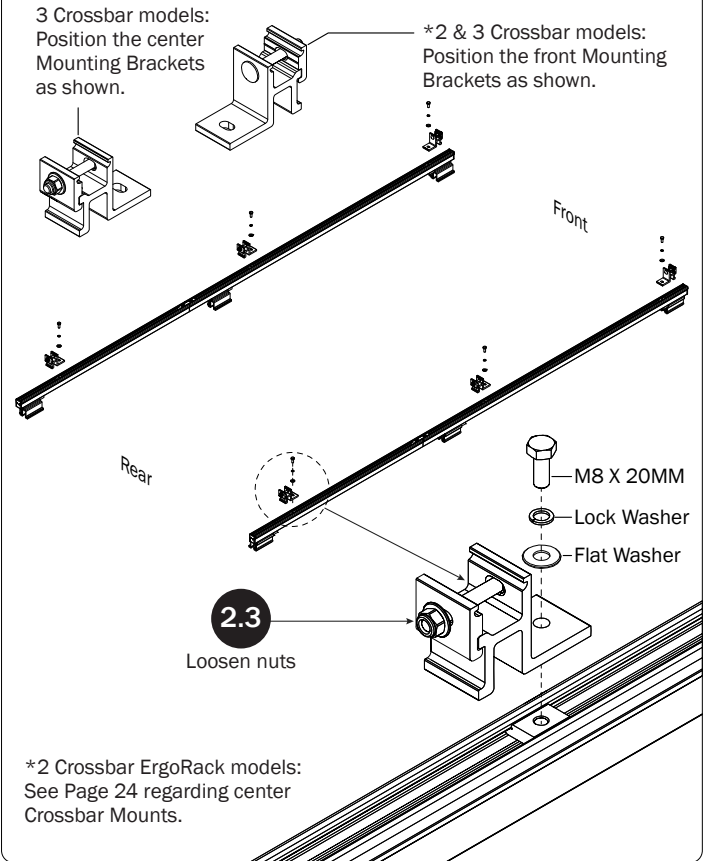
Crossbar Front

MOUNTING BRACKETS

2.1 Slide the Aluminum Strip Nuts into each end of the Channels, and attach the Channel Caps

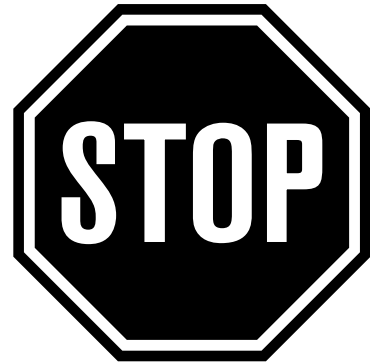
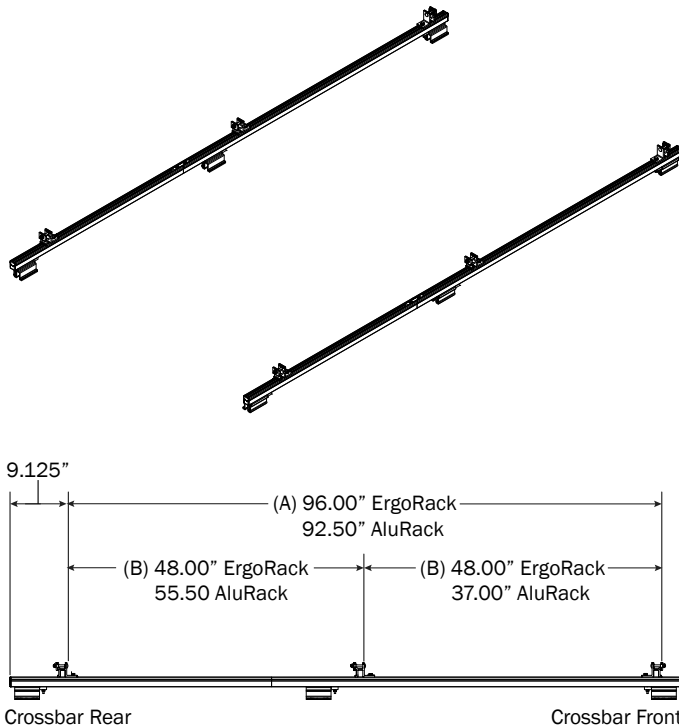


2.2 Using the supplied fastening hardware, attach the Crossbar Mounting Brackets into the Aluminum Strip Nuts placed into the Channels at Step 2.1



2.4 Set to distances shown below:
Use Dimensions A for 2 Crossbar models.
Use Dimensions B for 3 Crossbar models.

Do not torque the Crossbar Mounting Brackets until Step 3.4. Finger-tighten them into designated dimension to hold them in place, then proceed to your Feature (FEA) Assembly Manual.



Do not mount the Crossbars to this FBM system at this time.

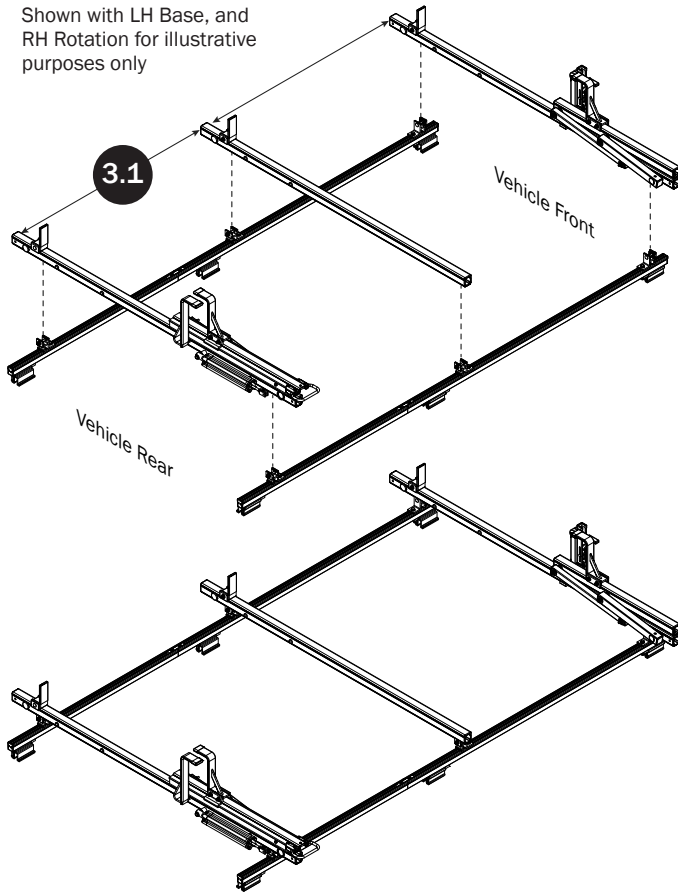
Refer to the respective FEA or AR Assembly Manual(s) included with your chosen rack configuration features. Depending upon the features chosen, you may need to perform a complete feature assembly onto the Crossbars or Side Rails as noted in that feature's Assembly Manual.

WARNING: Failure to position the Crossbars as shown in this FBM Assembly Manual may result in damage to the sliding door and/or ladder rack.

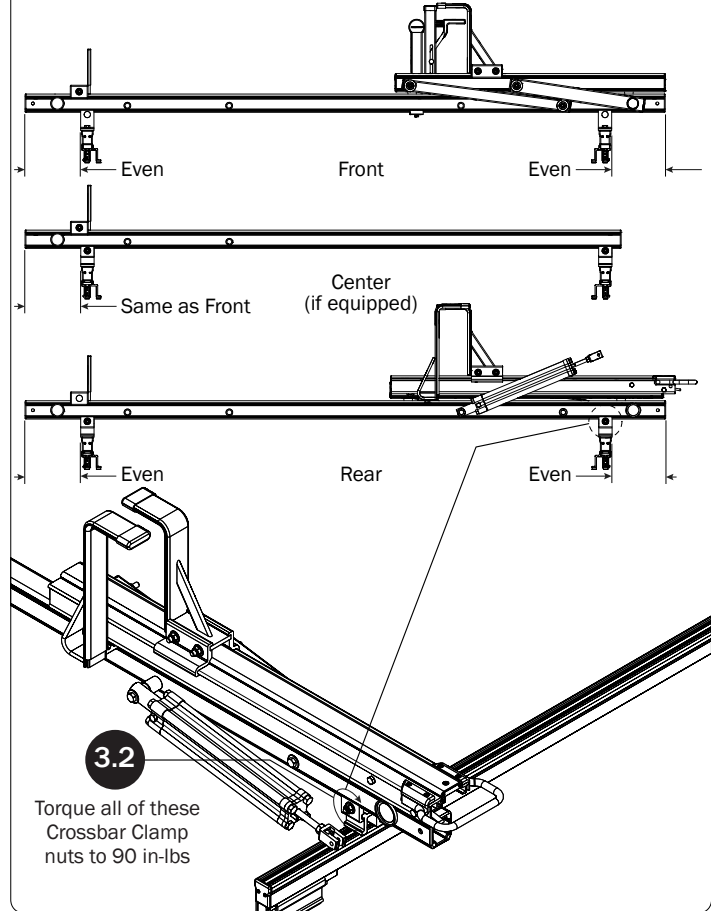
NOTE: Crossbars, Side Rails, Base, Clamp Down, or Rotation features are not included in this FBM kit, and must be purchased separately. To purchase applicable features and accessories, please contact your authorized distributor, or a Prime Design Sales & Service Representative.

CROSSBARS (ERGORACK)

Shown with LH Base, and RH Rotation for illustrative purposes only



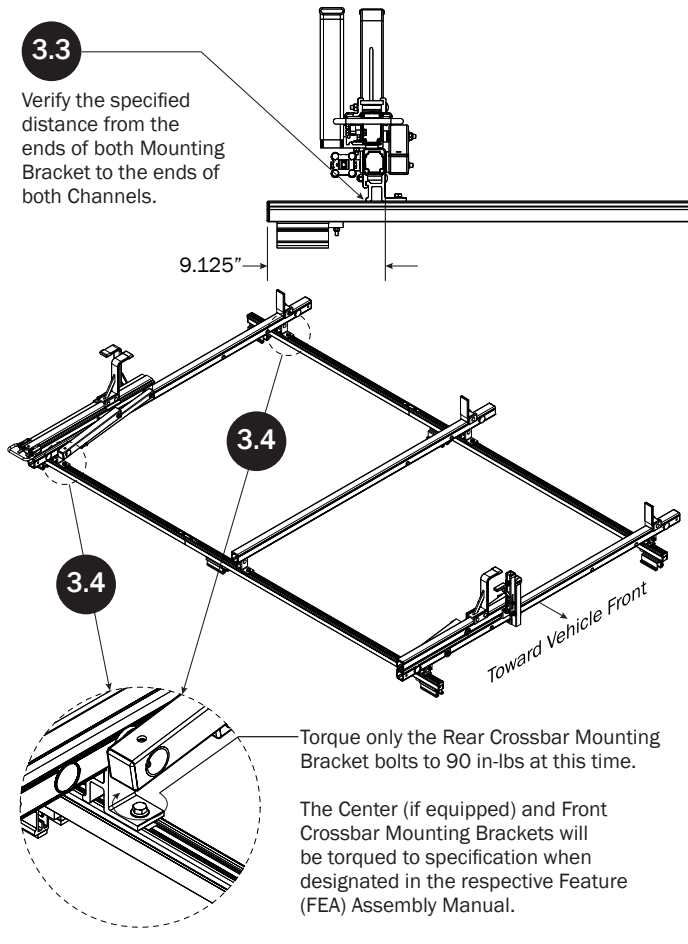
CROSSBAR ADJUSTMENT



3.3

Verify the specified distance from the ends of both Mounting Bracket to the ends of both Channels.

9.125"

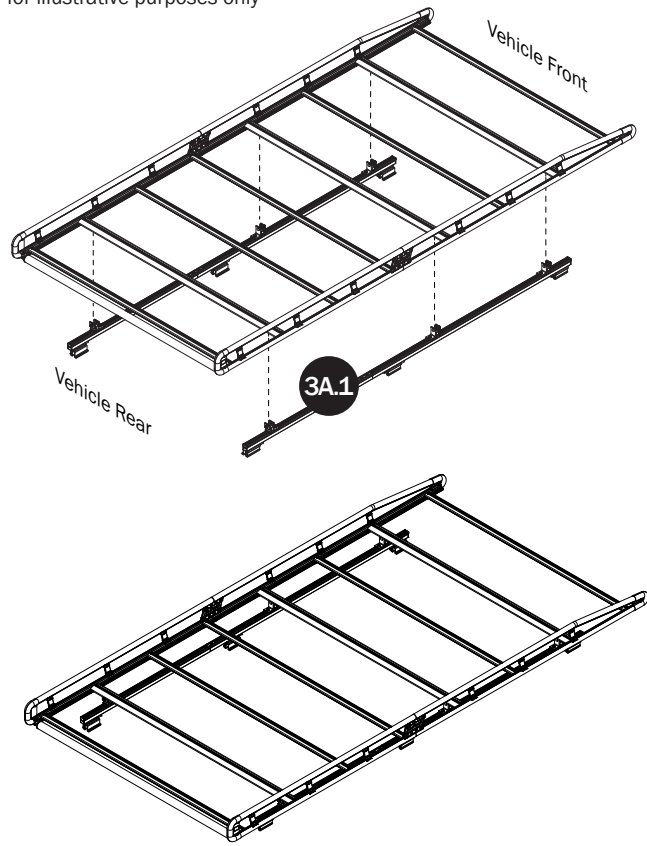


Torque only the Rear Crossbar Mounting Bracket bolts to 90 in-lbs at this time.

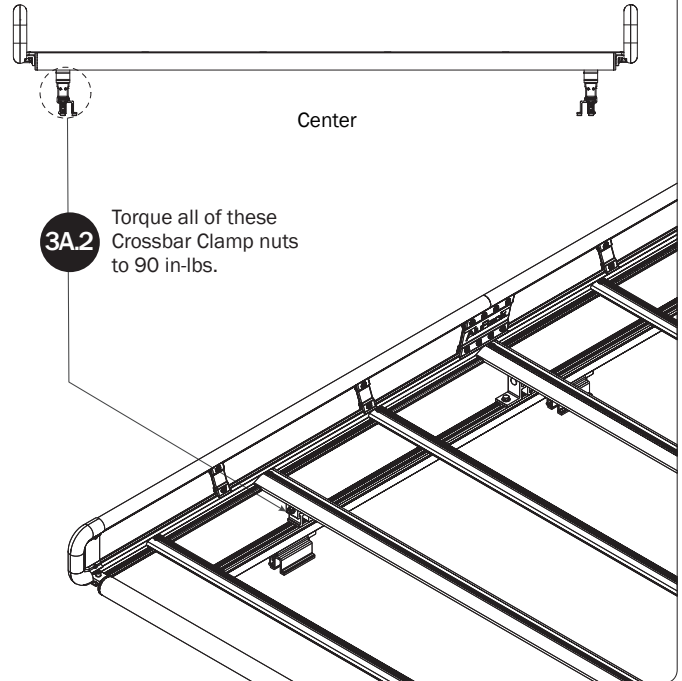
The Center (if equipped) and Front Crossbar Mounting Brackets will be torqued to specification when designated in the respective Feature (FEA) Assembly Manual.

CROSSBARS (ALURACK)

Shown with L2H1 AluRack for illustrative purposes only

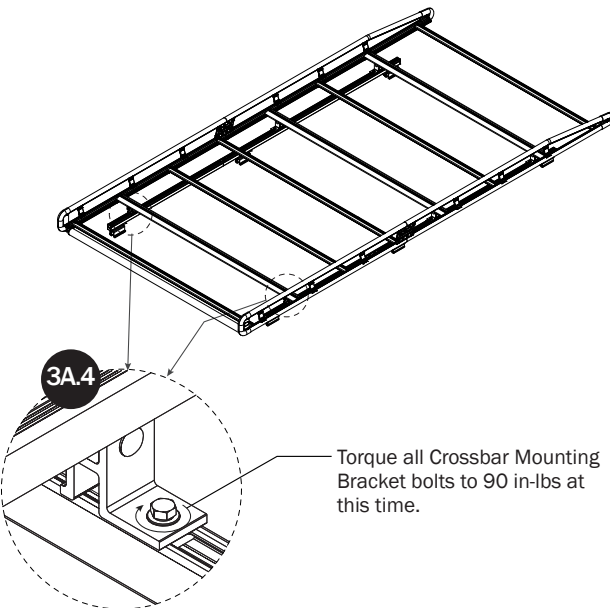
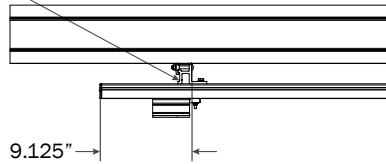


CROSSBAR ADJUSTMENT

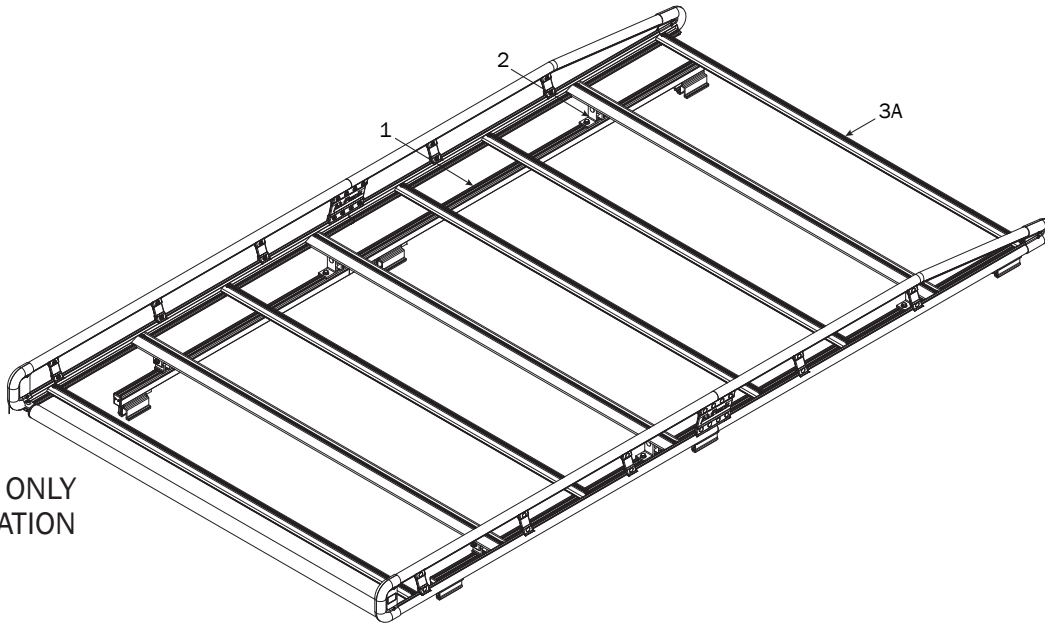


3A.3

Verify the specified distance from the ends of both Mounting Bracket to the ends of both Channels.



L2H2 (136.00") FBM ASSEMBLY SEQUENCE—ALURACK ONLY



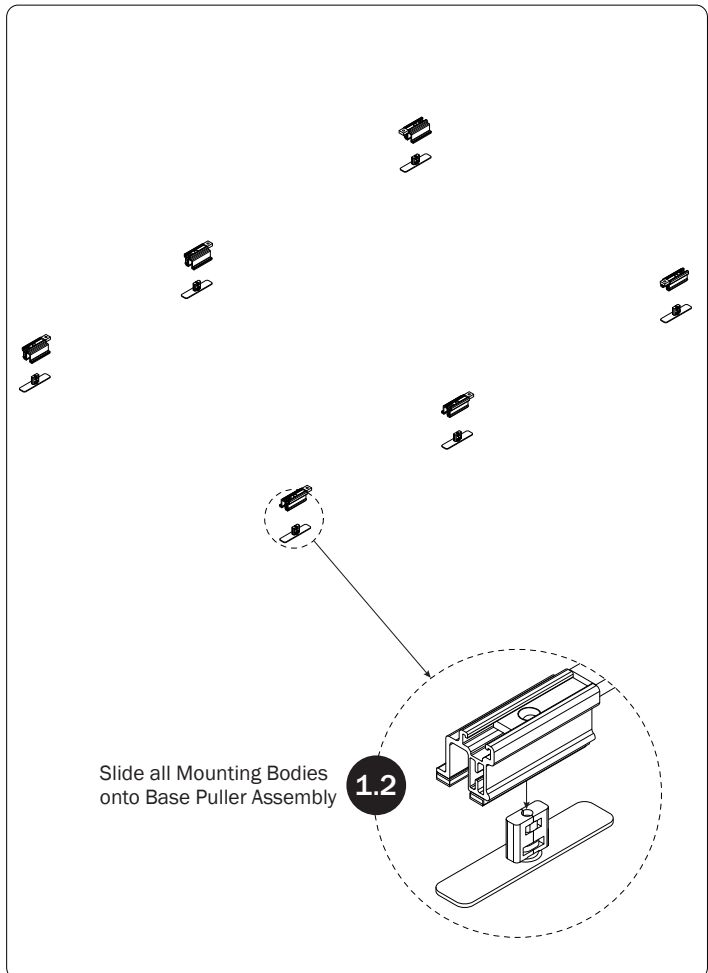
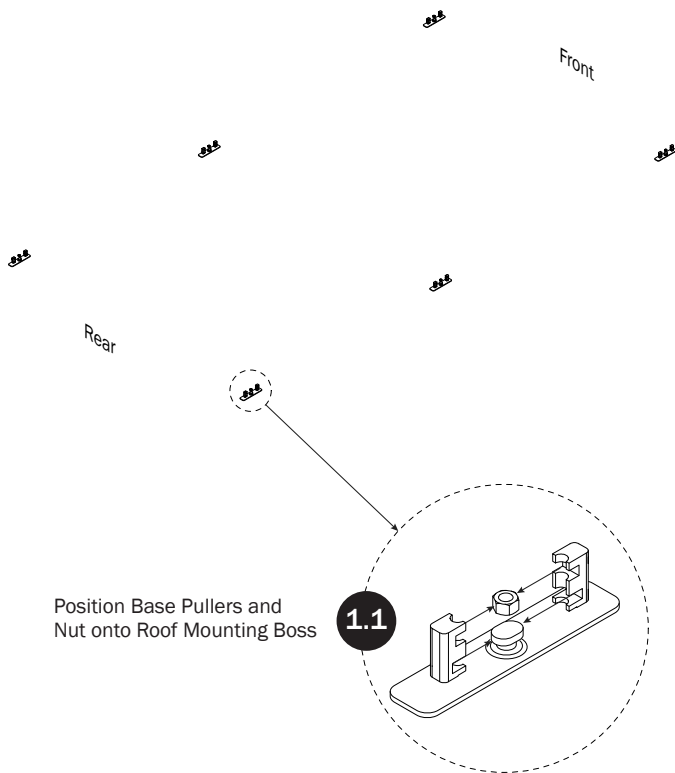
ALURACK ONLY
CONFIGURATION

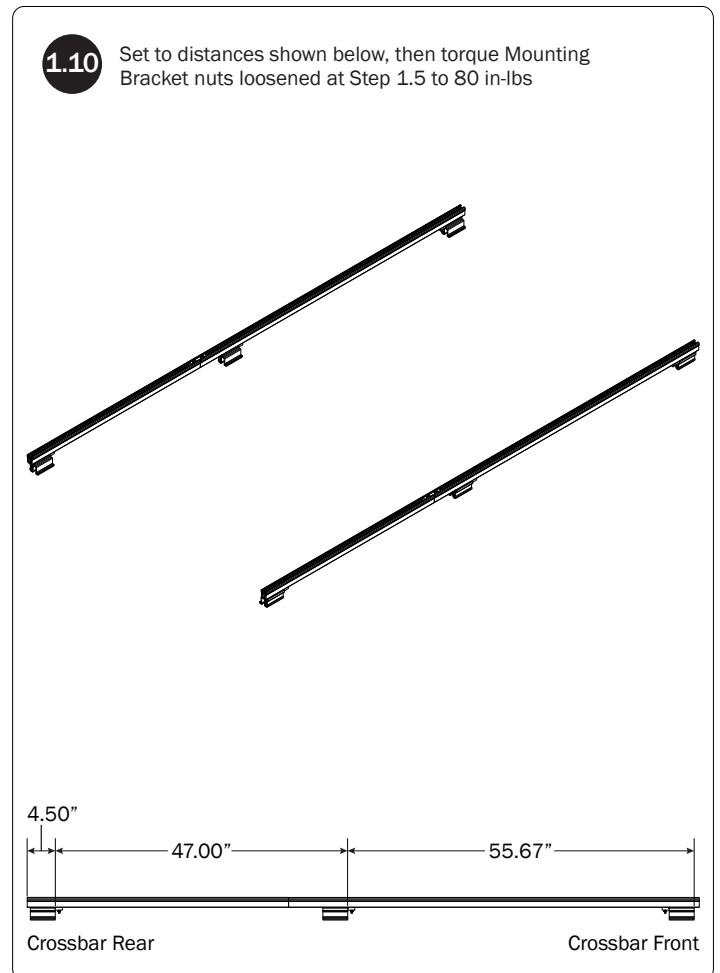
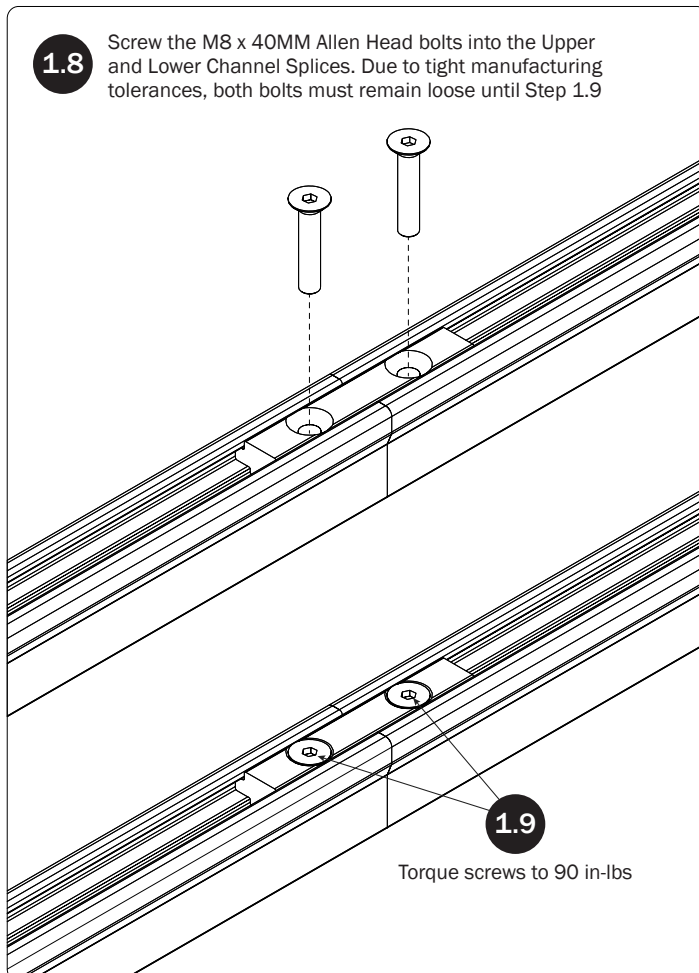
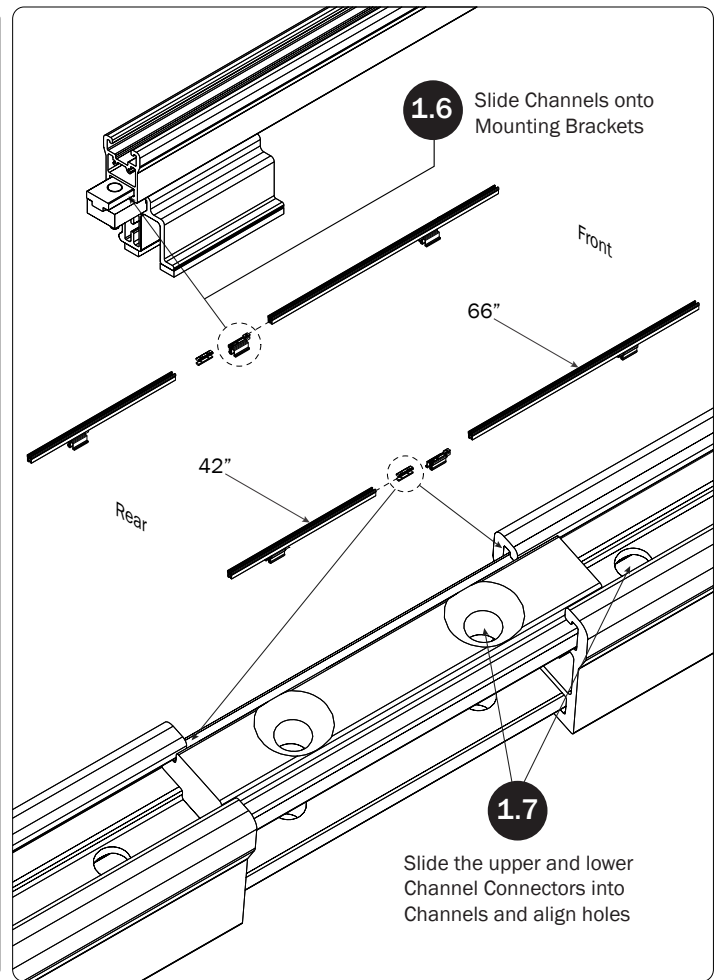
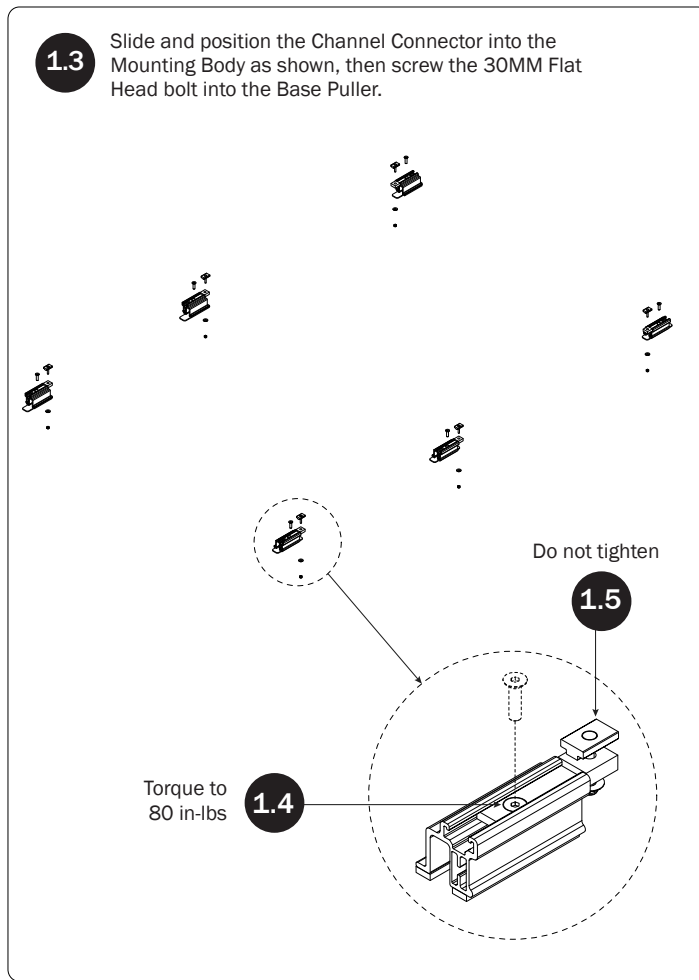


NOTE: Base, Rotation, Crossbar, and Side Rail features are shown for illustrative purposes only. These features are not included with this Base Mounting Kit, and must be purchased separately.

CHANNEL MOUNTINGS

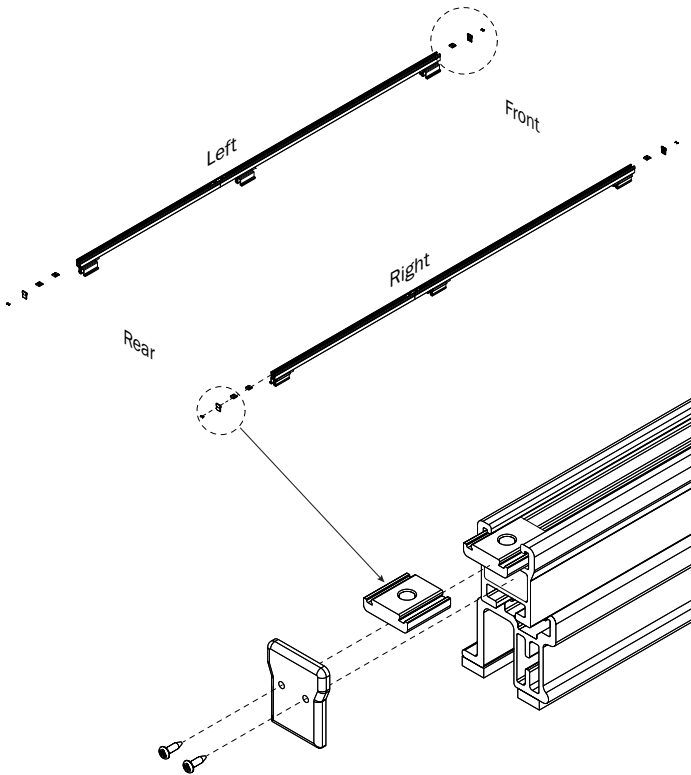
NOTE: Channel Mountings must be disassembled for installation onto the vehicle's roof.



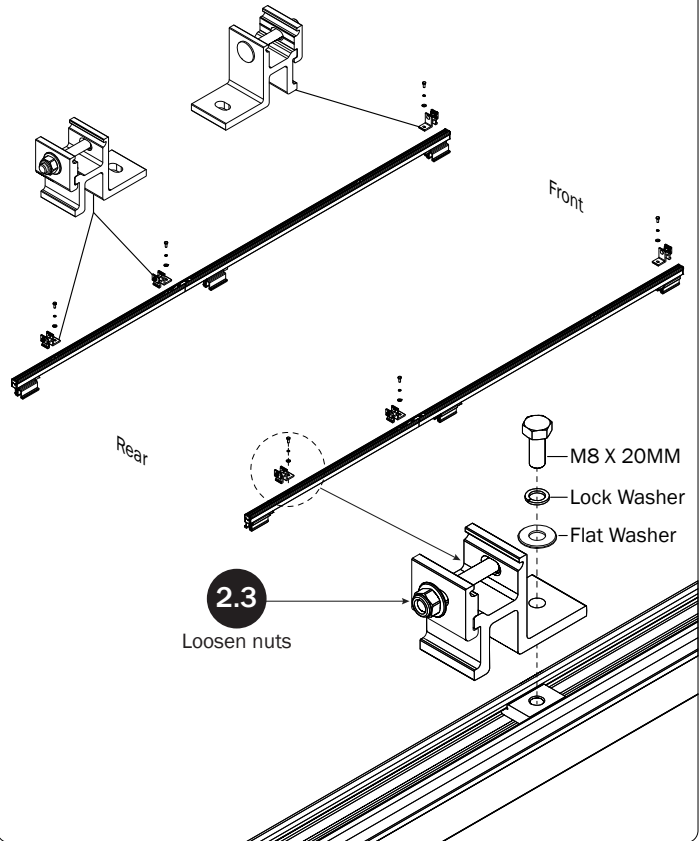


MOUNTING BRACKETS

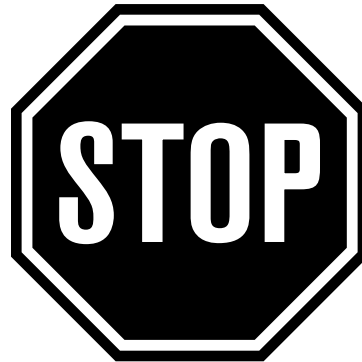
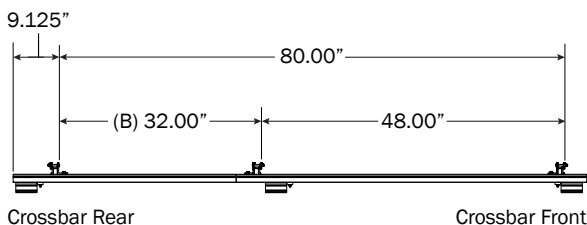
- 2.1** Slide the Aluminum Strip Nuts into each end of the Channels, and attach the Channel Caps



- 2.2** Using the supplied fastening hardware, attach the Crossbar Mounting Brackets into the Aluminum Strip Nuts placed into the Channels at Step 2.1



- 2.4** Set to distances shown below (AluRack only). Do not torque the Crossbar Mounting Brackets until Step 3.4. Finger-tighten them into designated dimension to hold them in place, then proceed to your Feature (FEA) Assembly Manual.



Do not mount the Crossbars to this FBM system at this time.

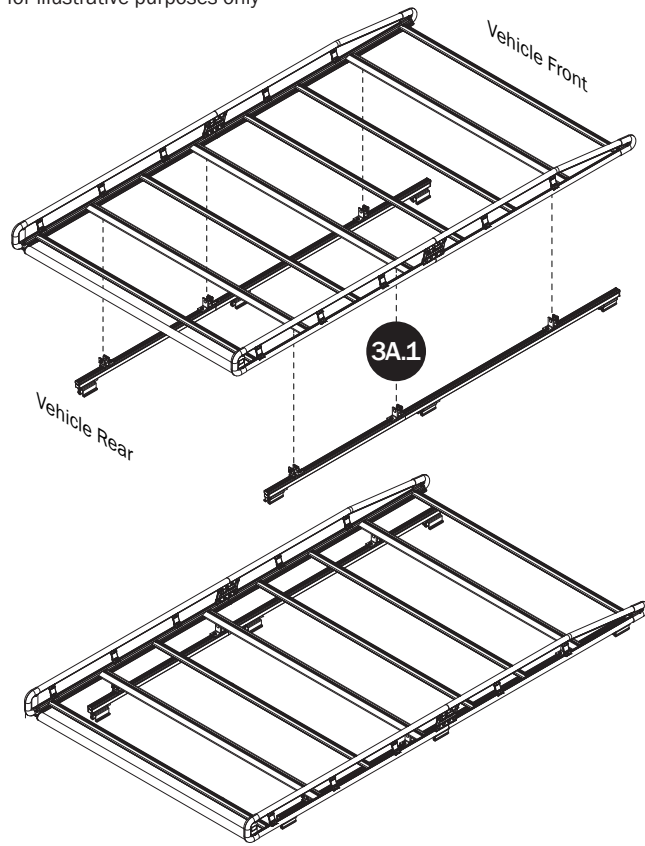
Refer to the respective FEA or AR Assembly Manual(s) included with your chosen rack configuration features. Depending upon the features chosen, you may need to perform a complete feature assembly onto the Crossbars or Side Rails as noted in that feature's Assembly Manual.

WARNING: Failure to position the Crossbars as shown in this FBM Assembly Manual may result in damage to the sliding door and/or ladder rack.

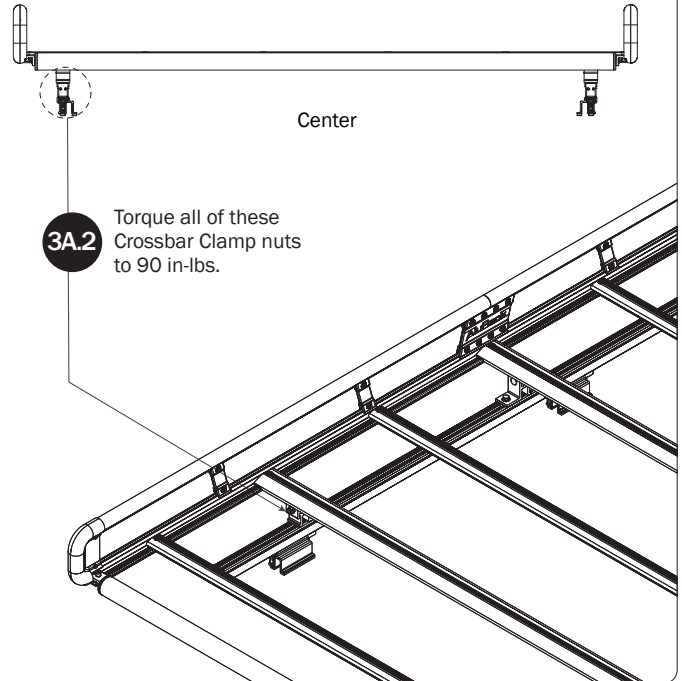
NOTE: Crossbars, Side Rails, Base, Clamp Down, or Rotation features are not included in this FBM kit, and must be purchased separately. To purchase applicable features and accessories, please contact your authorized distributor, or a Prime Design Sales & Service Representative.

CROSSBARS (ALURACK)

Shown with L2H2 AluRack for illustrative purposes only



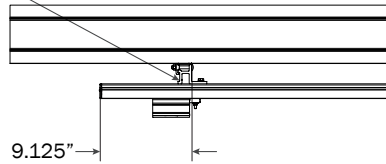
CROSSBAR ADJUSTMENT



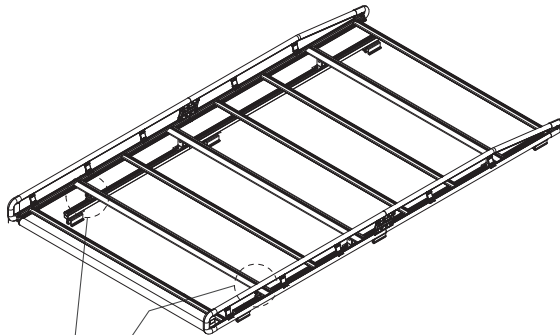
3A.2 Torque all of these Crossbar Clamp nuts to 90 in-lbs.

3A.3

Verify the specified distance from the ends of both Mounting Bracket to the ends of both Channels.



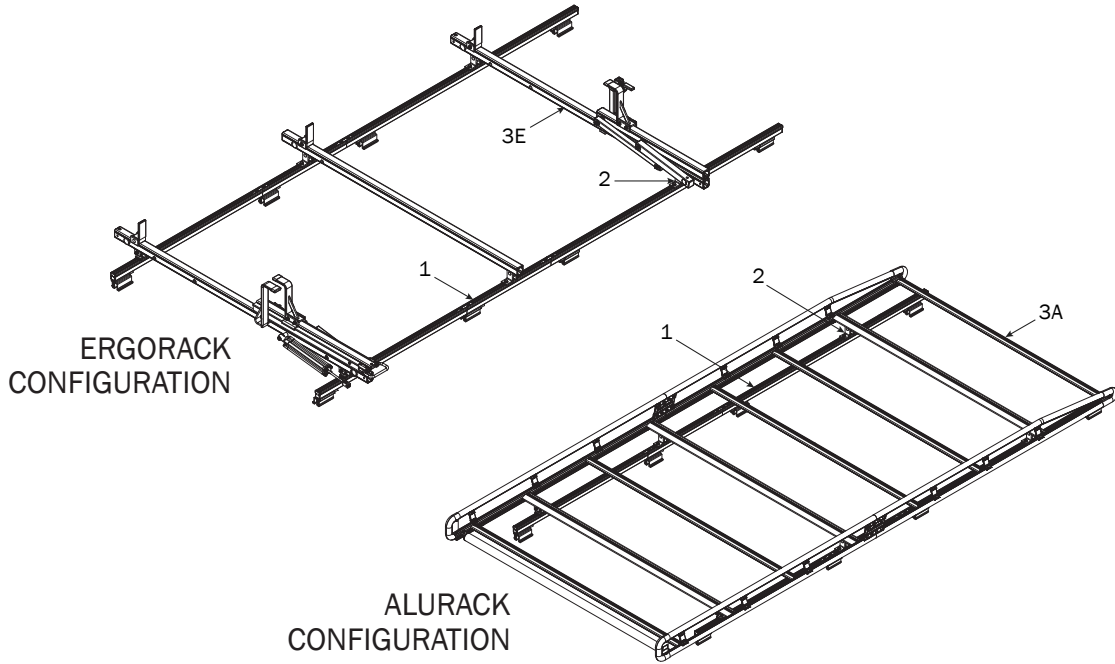
9.125"



3A.4

Torque all Crossbar Mounting Bracket bolts to 90 in-lbs at this time.

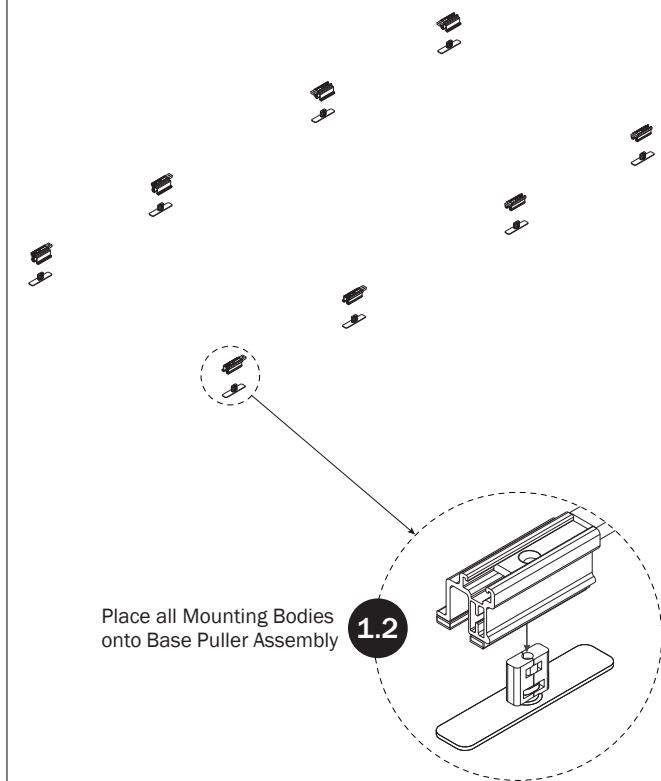
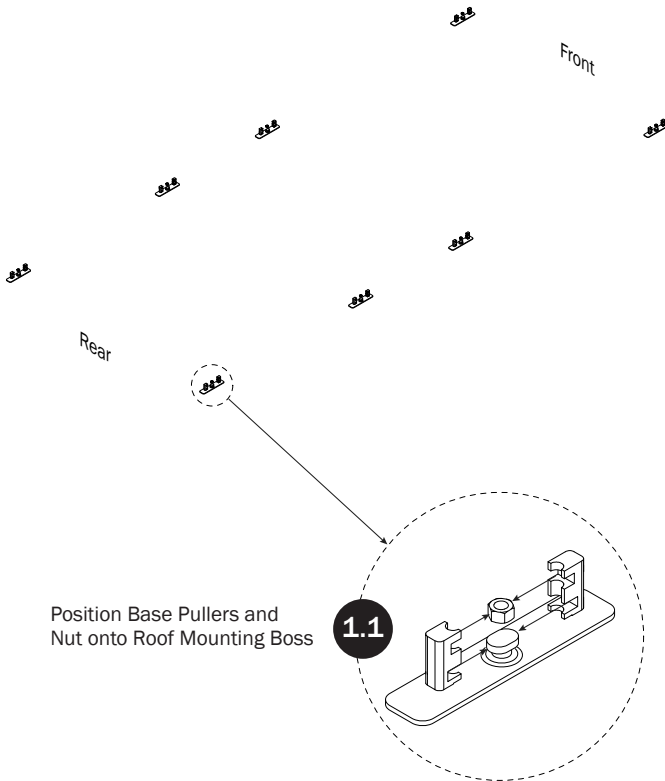
L4H2 (159.00") FBM ASSEMBLY SEQUENCE

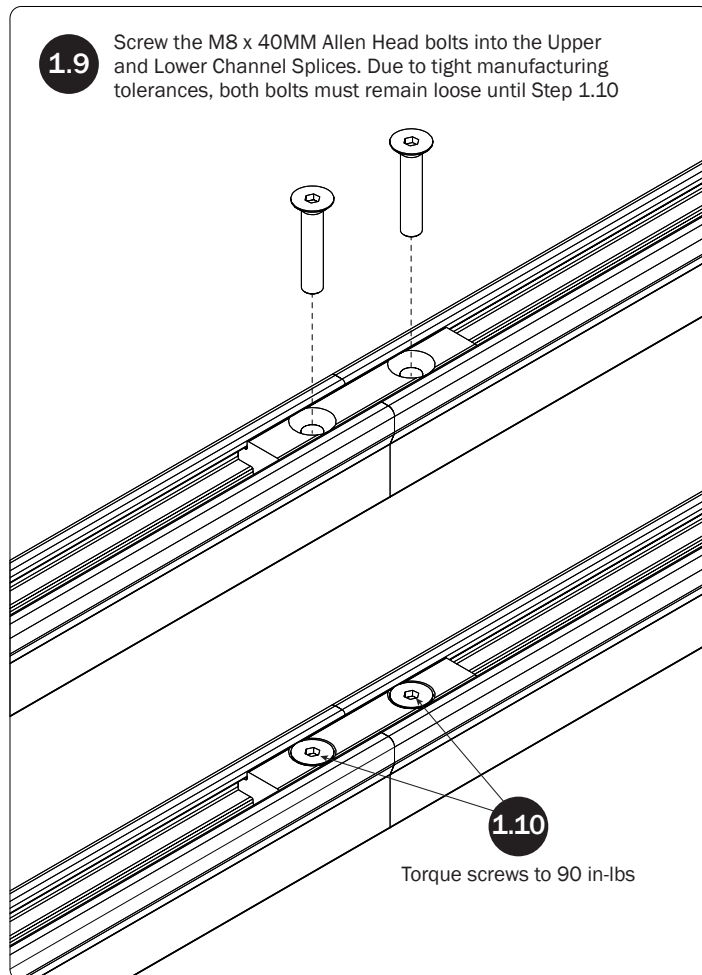
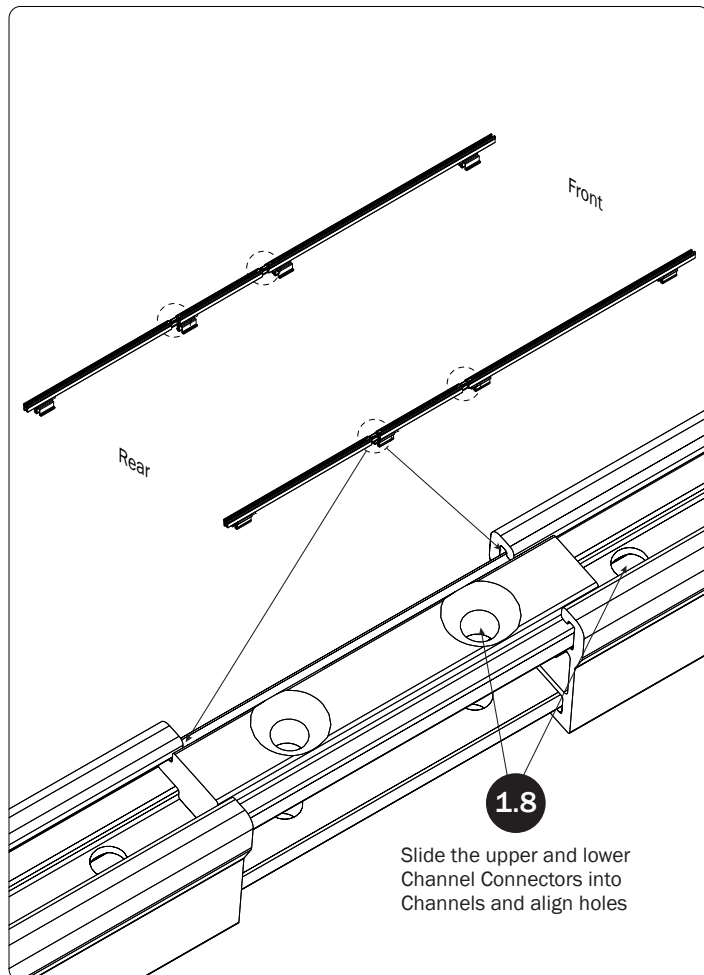
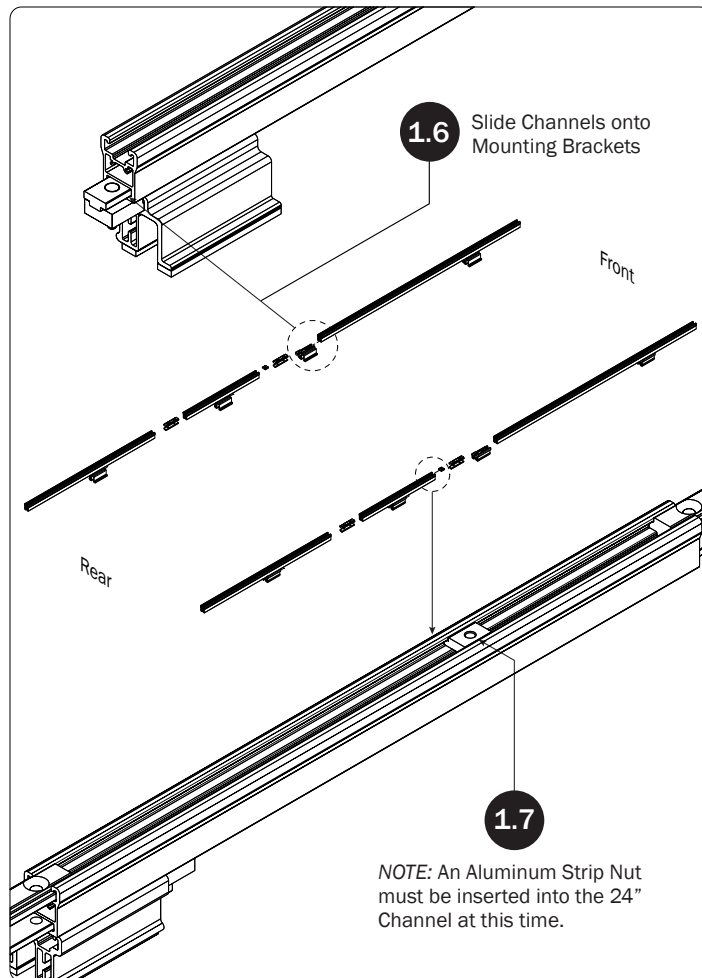
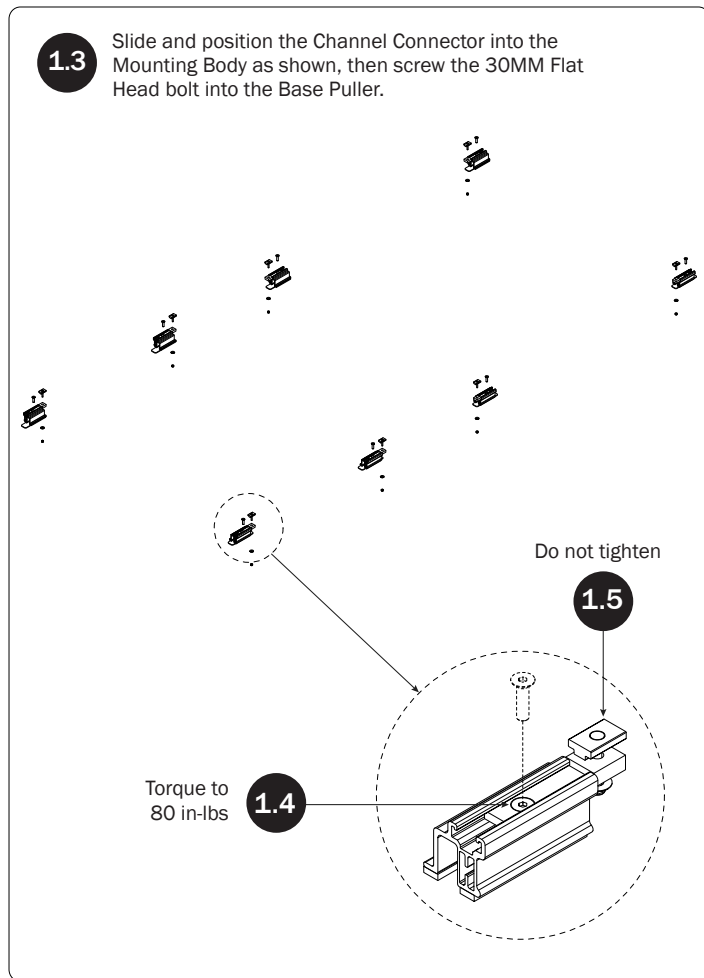


NOTE: Base, Rotation, Crossbar, and Side Rail features are shown for illustrative purposes only. These features are not included with this Base Mounting Kit, and must be purchased separately.

CHANNEL MOUNTINGS

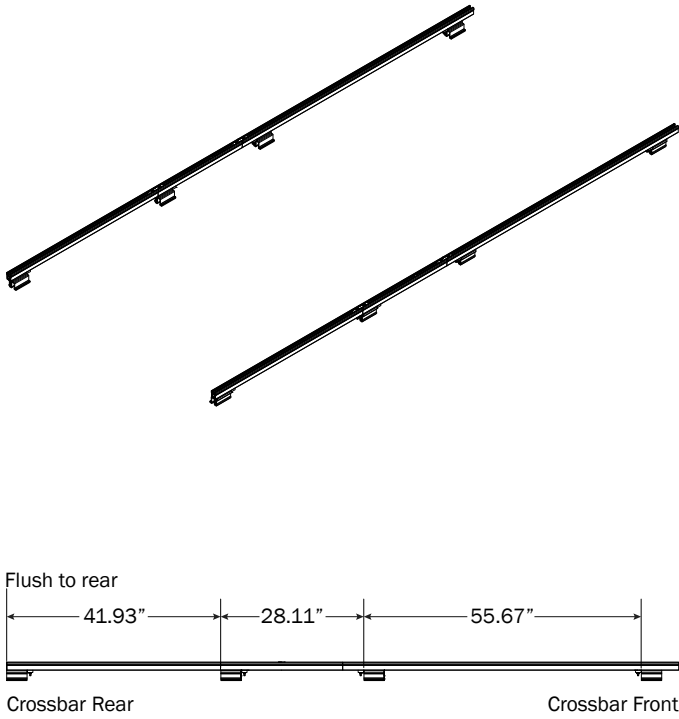
NOTE: Channel Mountings must be disassembled for installation onto the vehicle's roof.



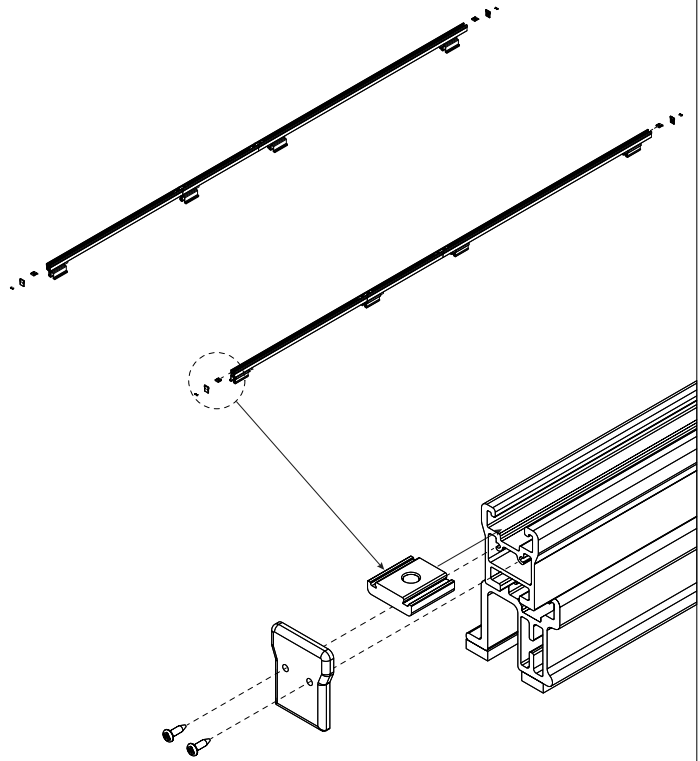


MOUNTING BRACKETS

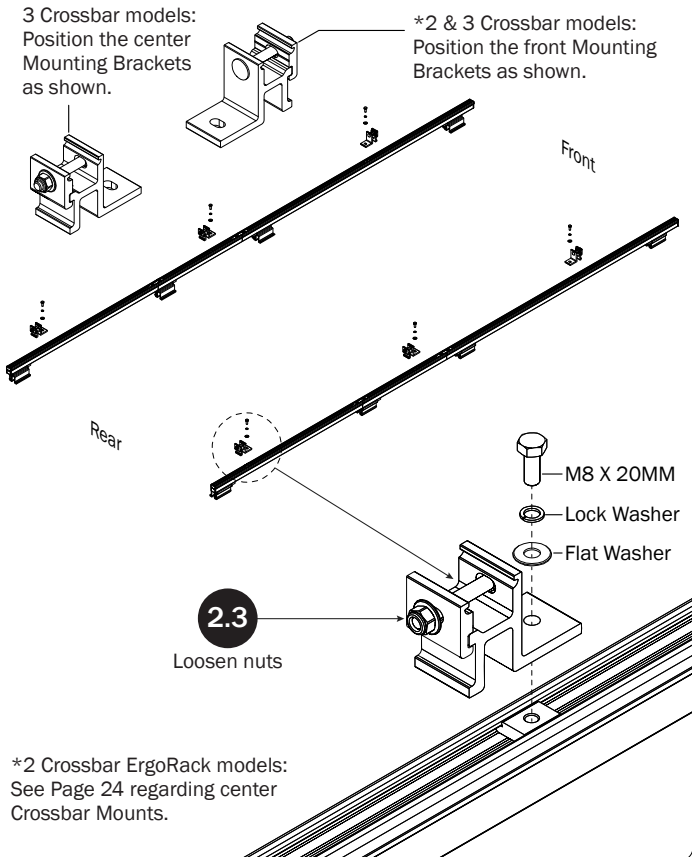
1.11 Set to distances shown below, then torque Mounting Bracket nuts loosened at Step 1.5 to 80 in-lbs



2.1 Slide the remaining Aluminum Strip Nuts into each end of the Channels, and attach the Channel Caps

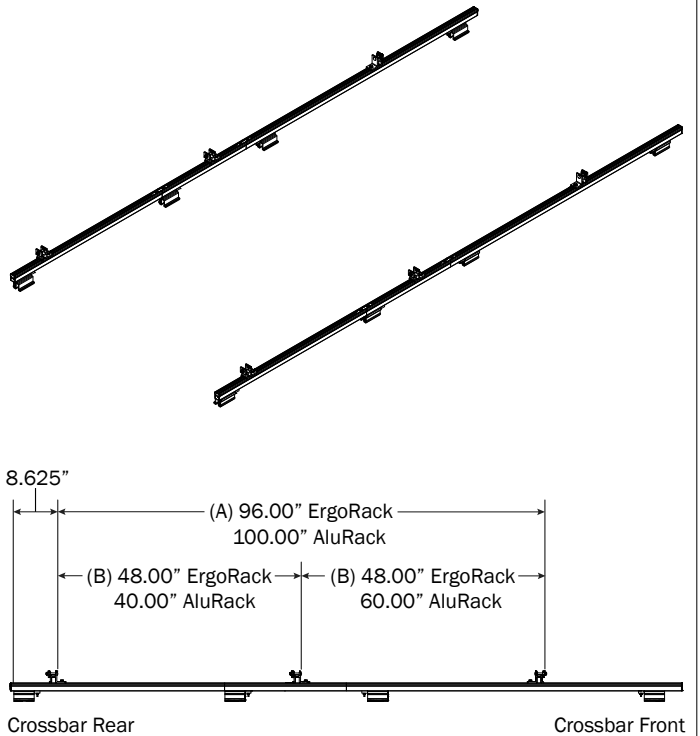


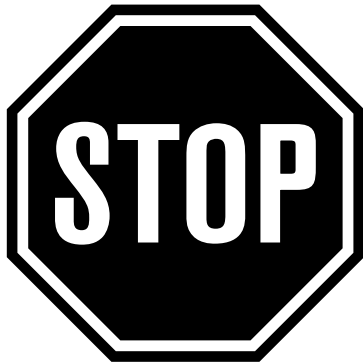
2.2 Using the supplied fastening hardware, attach the Crossbar Mounting Brackets into the Aluminum Strip Nuts placed into the Channels at Step 2.1



2.4 Set to distances shown below:
Use Dimensions A for 2 Crossbar models.
Use Dimensions B for 3 Crossbar models.

Do not torque the Crossbar Mounting Brackets until Step 3.4. Finger-tighten them into designated dimension to hold them in place, then proceed to your Feature (FEA) Assembly Manual.





Do not mount the Crossbars to this FBM system at this time.

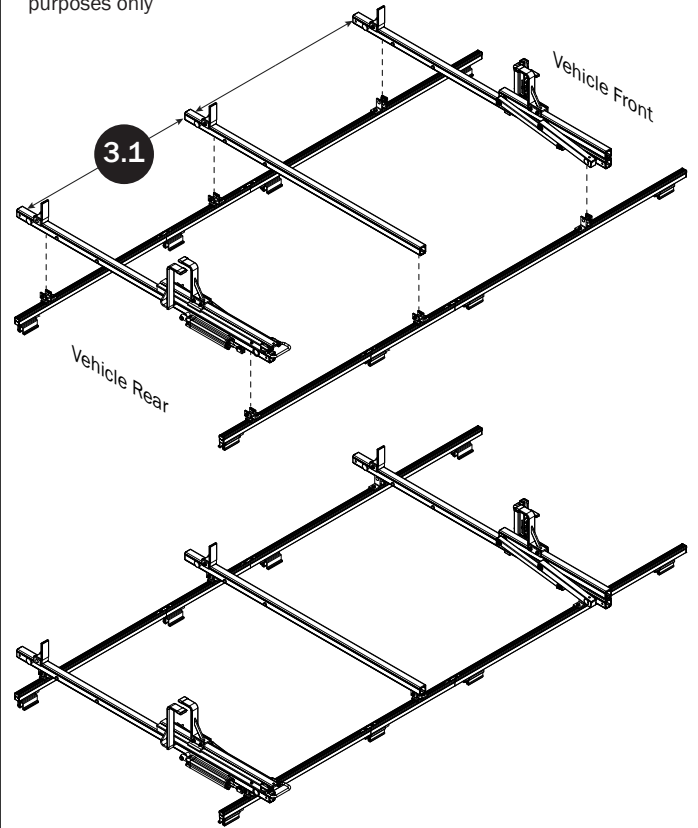
Refer to the respective FEA Assembly Manual(s) included with your chosen rack configuration features. Depending upon the features chosen, you may need to perform a complete feature assembly onto the Crossbars as noted in that feature's Assembly Manual.

WARNING: Failure to position the Crossbars as shown in this FBM Assembly Manual may result in damage to the sliding door and/or ladder rack.

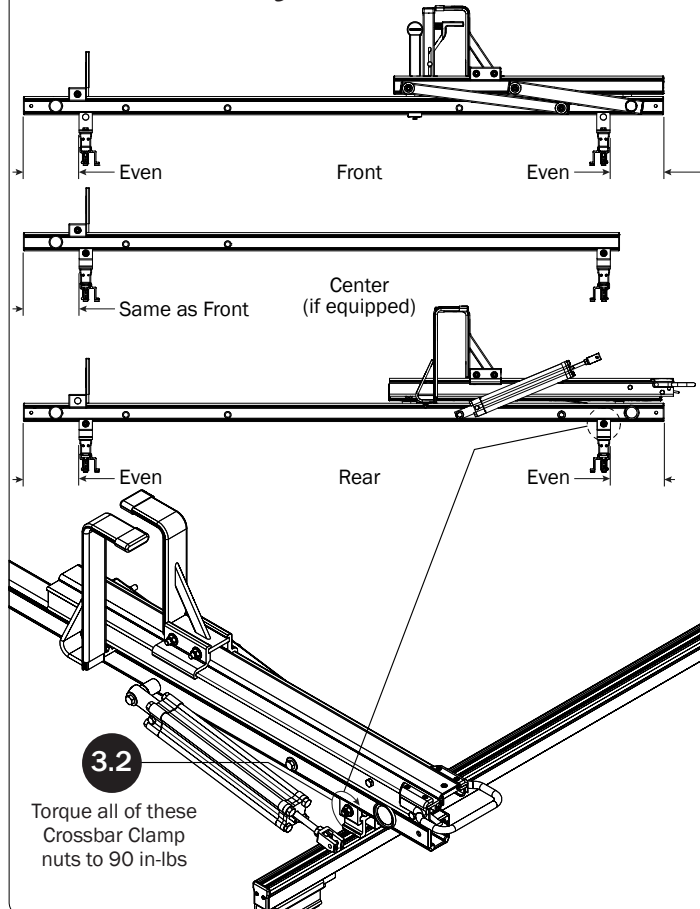
NOTE: Base, Clamp Down, or Rotation features are not included in this FBM kit, and must be purchased separately. To purchase applicable features and accessories, please contact your authorized distributor, or a Prime Design Sales & Service Representative.

CROSSBARS (ERGORACK)

Shown with LH Base, and RH Rotation for illustrative purposes only

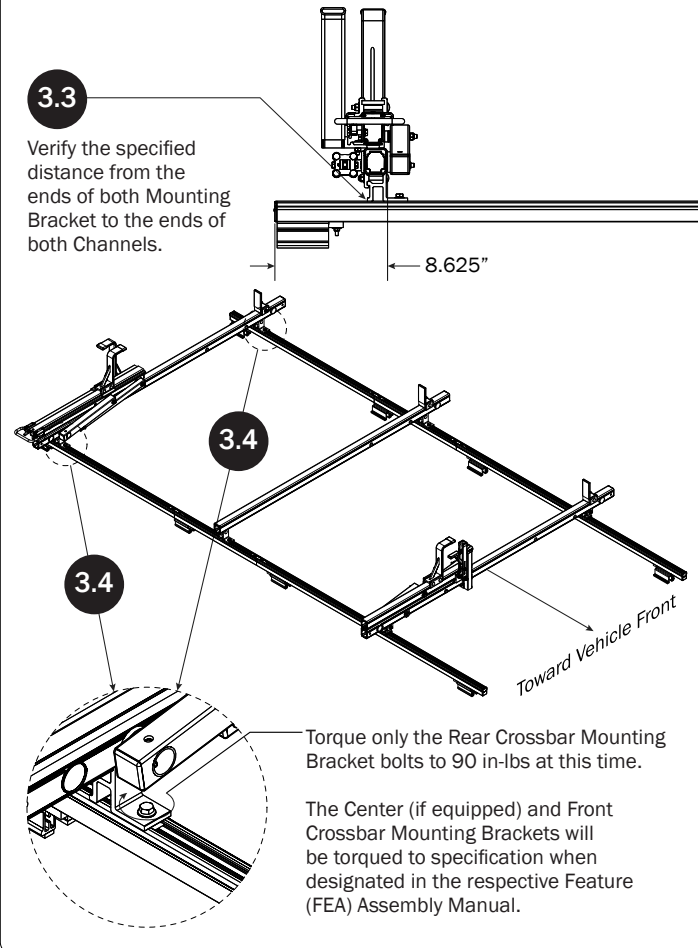


CROSSBAR ADJUSTMENT



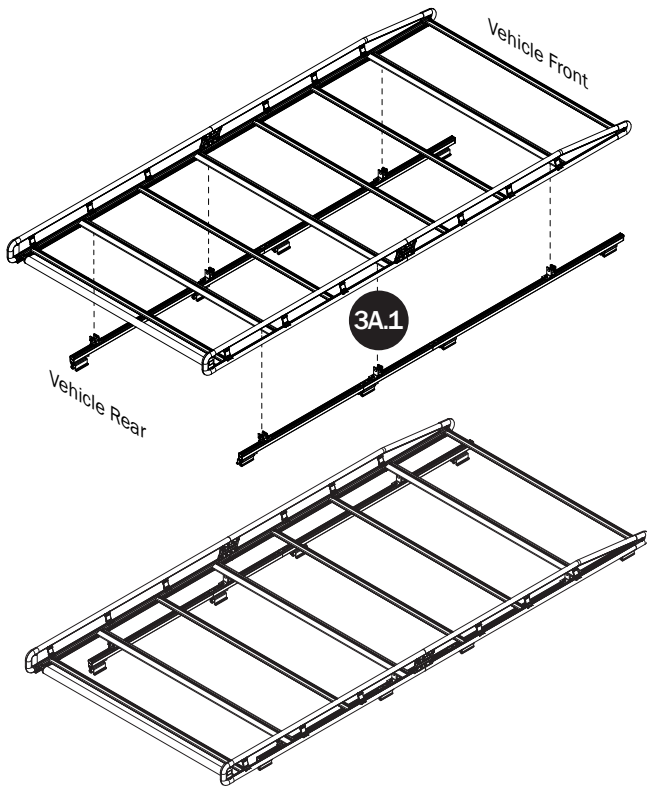
3.3

Verify the specified distance from the ends of both Mounting Bracket to the ends of both Channels.

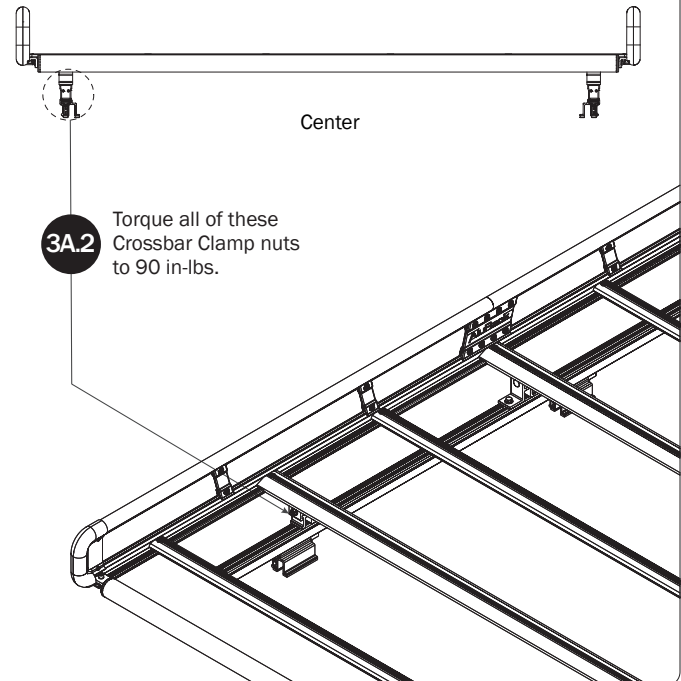


CROSSBARS (ALURACK)

Shown with L4H2 AluRack
for illustrative purposes only

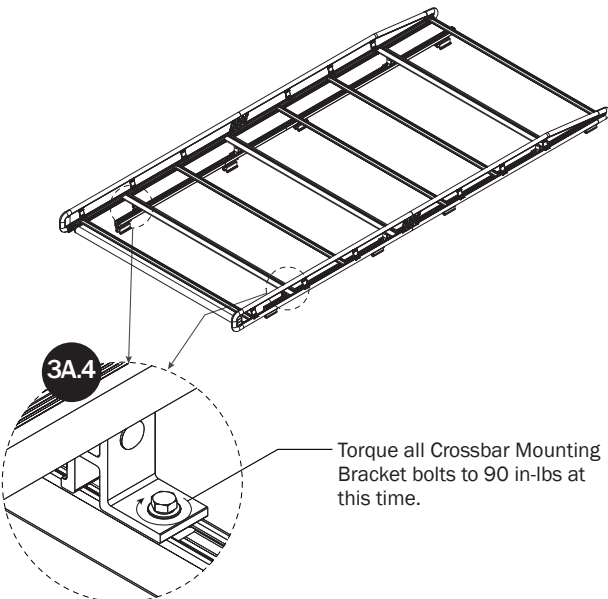
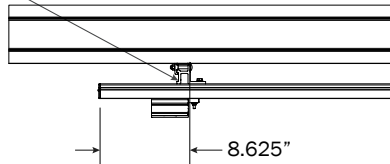


CROSSBAR ADJUSTMENT

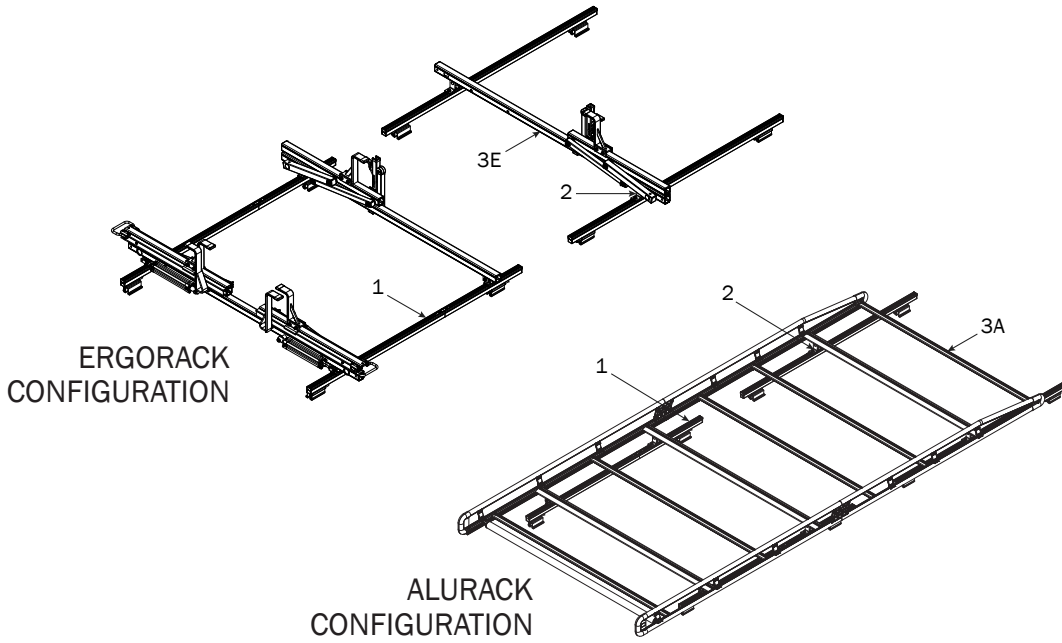


3A.3

Verify the specified
distance from the
ends of both Mounting
Bracket to the ends of
both Channels.



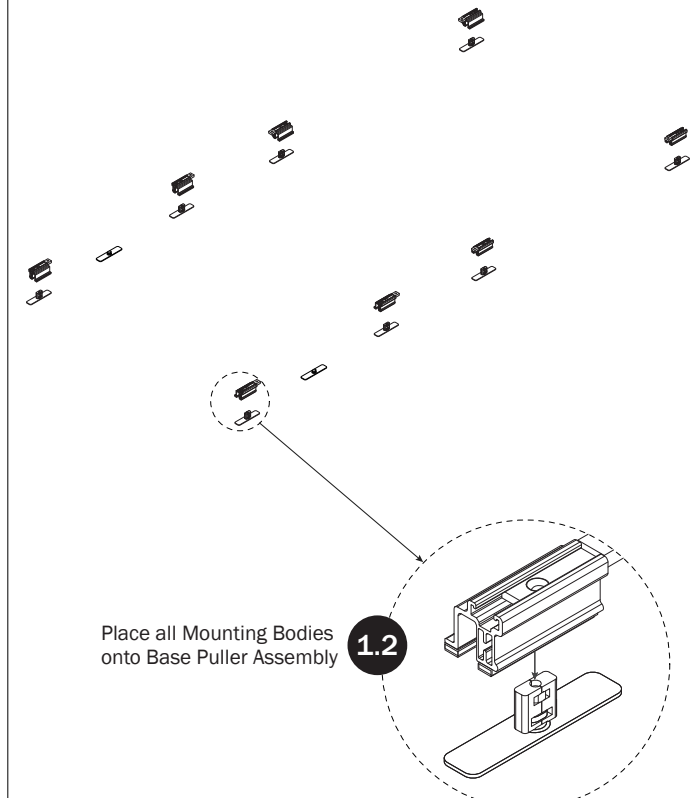
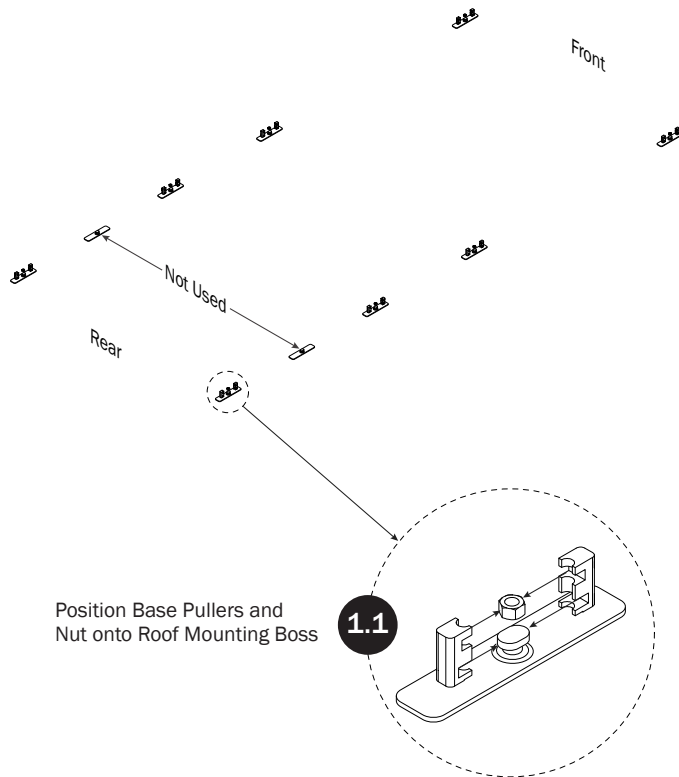
L5H2 (159.00”+) FBM ASSEMBLY SEQUENCE



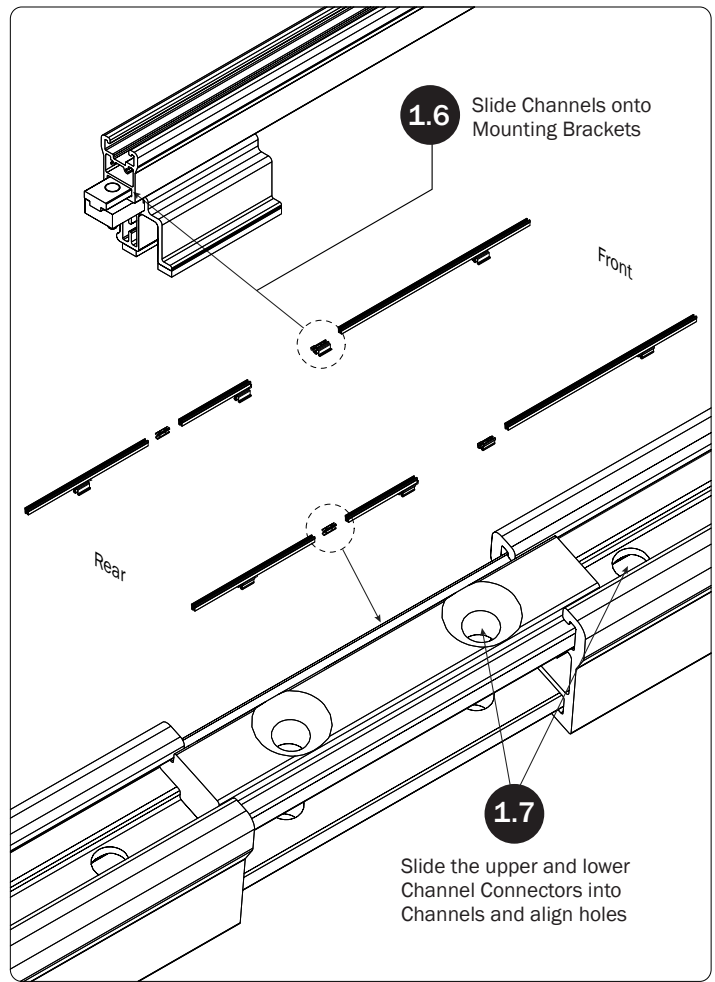
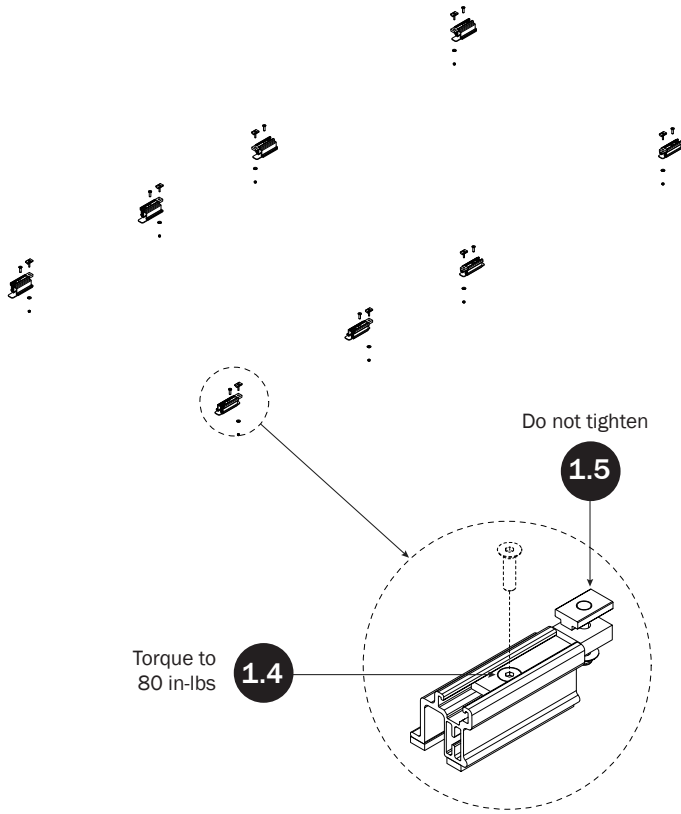
NOTE: Base, Rotation, Crossbar, and Side Rail features are shown for illustrative purposes only. These features are not included with this Base Mounting Kit, and must be purchased separately.

CHANNEL MOUNTINGS

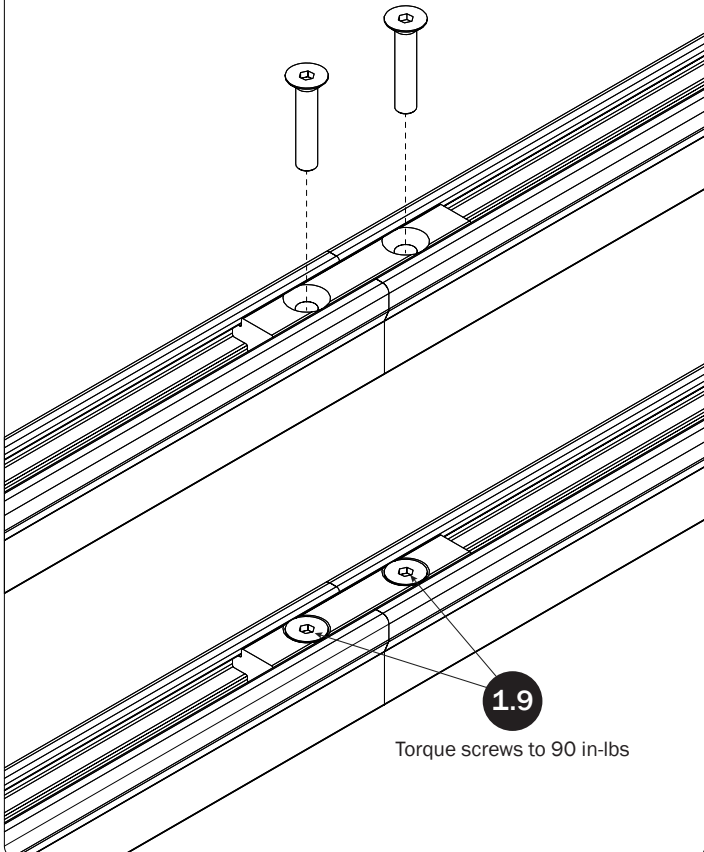
NOTE: Channel Mountings must be disassembled for installation onto the vehicle's roof.



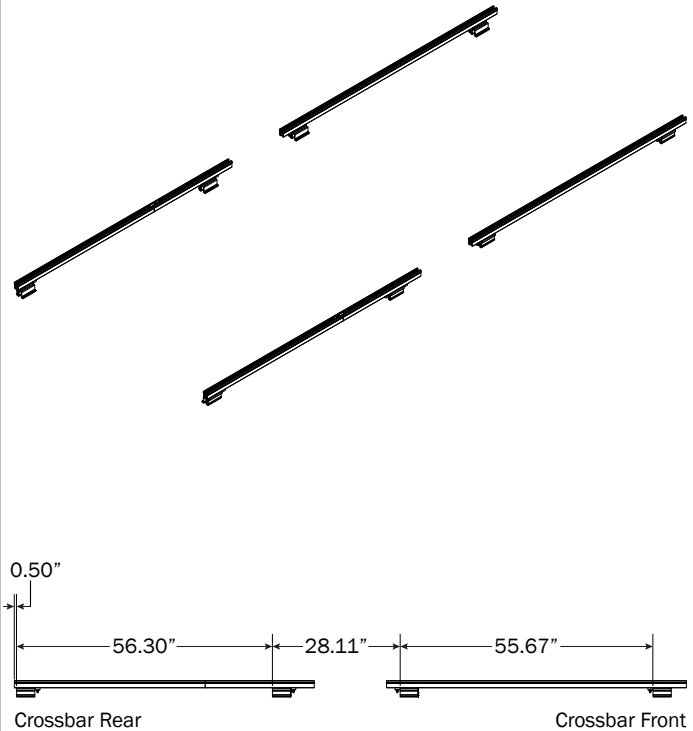
1.3 Slide and position the Channel Connector into the Mounting Body as shown, then screw the 30MM Flat Head bolt into the Base Puller.



1.8 Screw the M8 x 40MM Allen Head bolts into the Upper and Lower Channel Splices. Due to tight manufacturing tolerances, both bolts must remain loose until Step 1.9

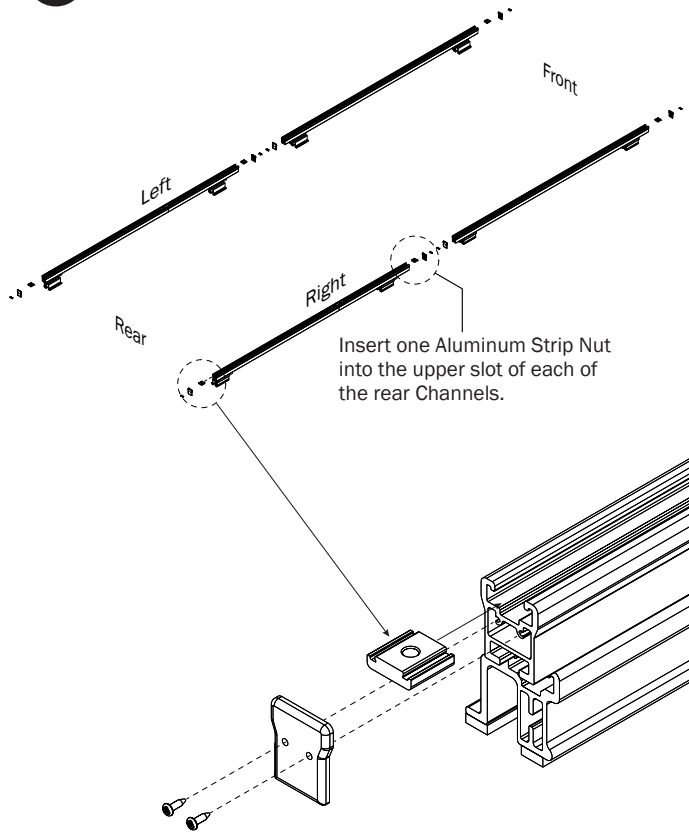


1.10 Set to distances shown below, then torque Mounting Bracket nuts loosened at Step 1.5 to 80 in-lbs

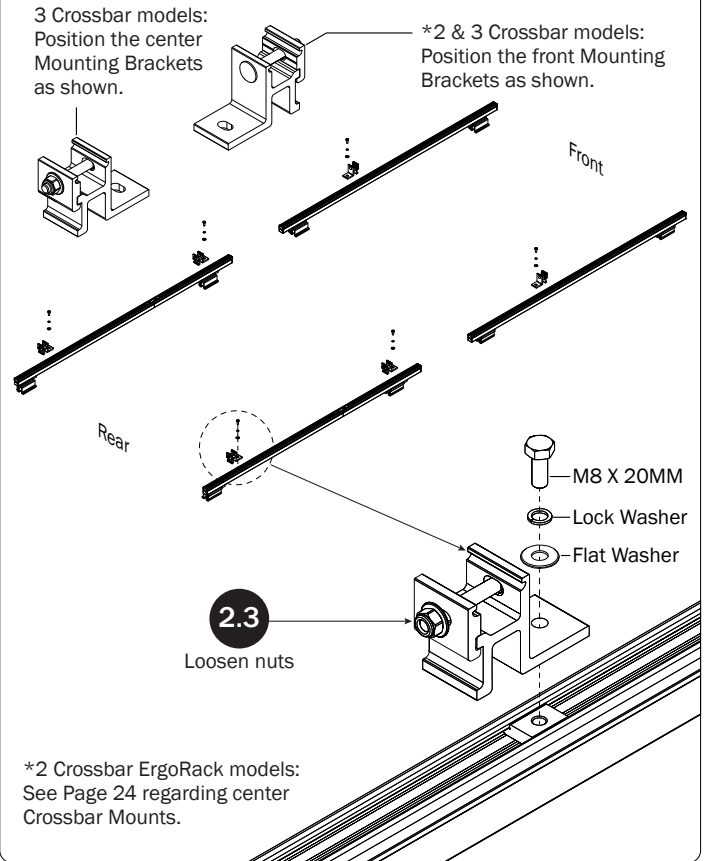


MOUNTING BRACKETS

2.1 Slide the Aluminum Strip Nuts into each end of the Channels, and attach the Channel Caps

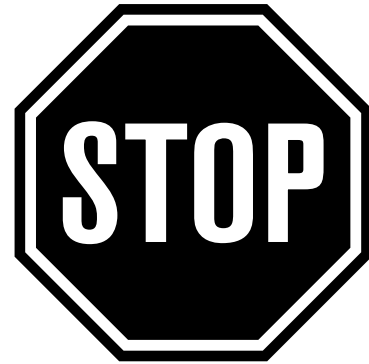
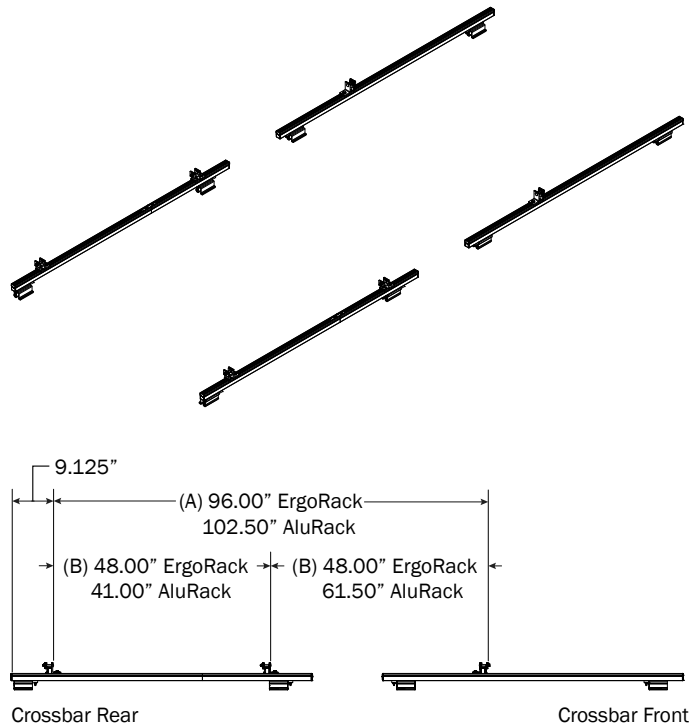


2.2 Using the supplied fastening hardware, attach the Crossbar Mounting Brackets into the Aluminum Strip Nuts placed into the Channels at Step 2.1



2.4 Set to distances shown below:
Use Dimensions A for 2 Crossbar models.
Use Dimensions B for 3 Crossbar models.

Do not torque the Crossbar Mounting Brackets until Step 3.4. Finger-tighten them into designated dimension to hold them in place, then proceed to your Feature (FEA) Assembly Manual.



Do not mount the Crossbars to this FBM system at this time.

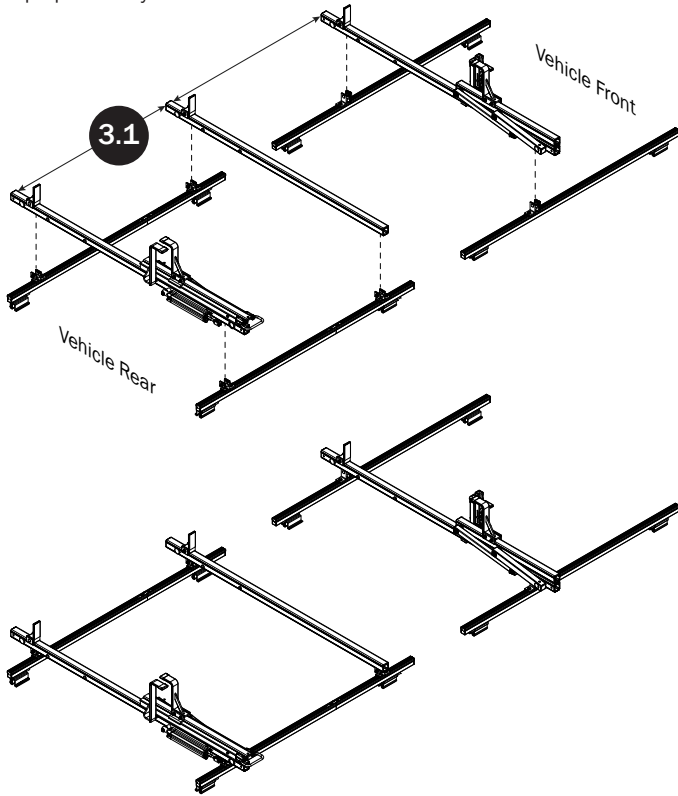
Refer to the respective FEA Assembly Manual(s) included with your chosen rack configuration features. Depending upon the features chosen, you may need to perform a complete feature assembly onto the Crossbars as noted in that feature's Assembly Manual.

WARNING: Failure to position the Crossbars as shown in this FBM Assembly Manual may result in damage to the sliding door and/or ladder rack.

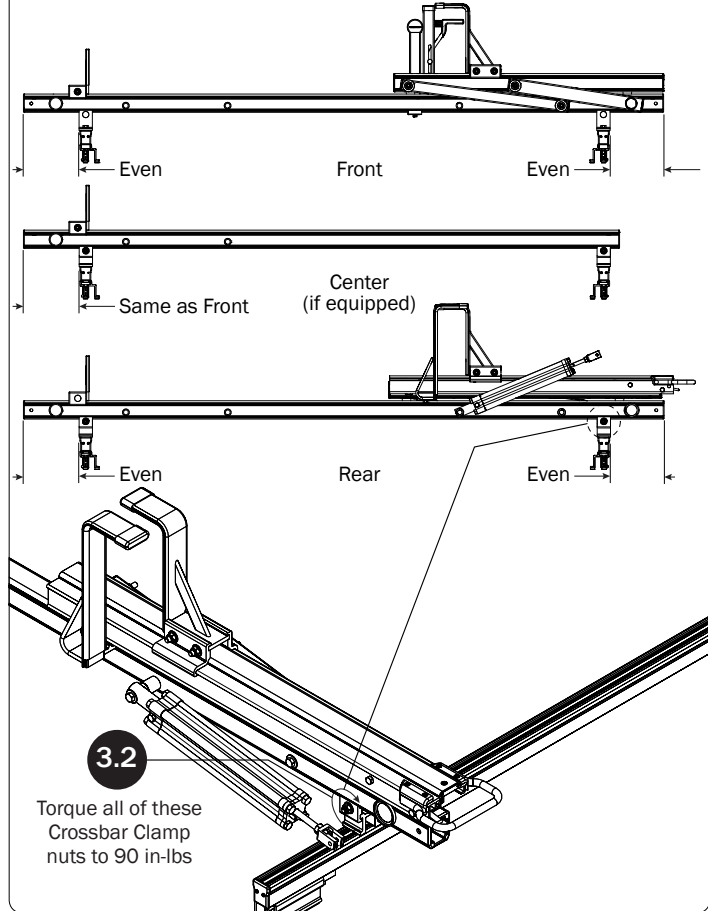
NOTE: Base, Clamp Down, or Rotation features are not included in this FBM kit, and must be purchased separately. To purchase applicable features and accessories, please contact your authorized distributor, or a Prime Design Sales & Service Representative.

CROSSBARS (ERGORACK)

Shown with LH Base, and RH Rotation for illustrative purposes only

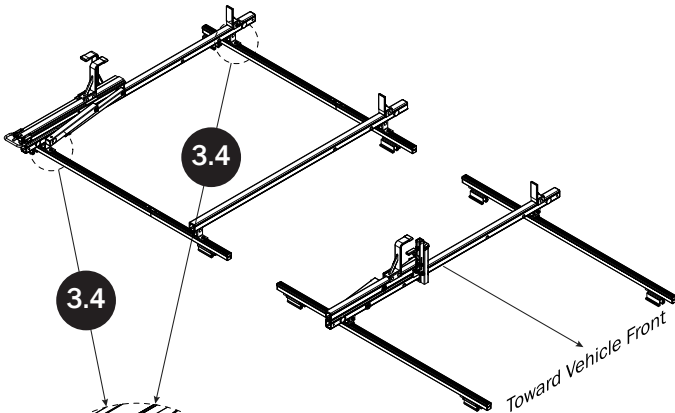
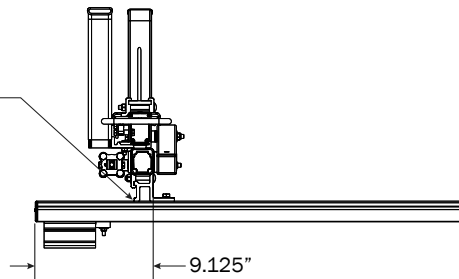


CROSSBAR ADJUSTMENT



3.3

Verify the specified distance from the ends of both Mounting Bracket to the ends of both Channels.

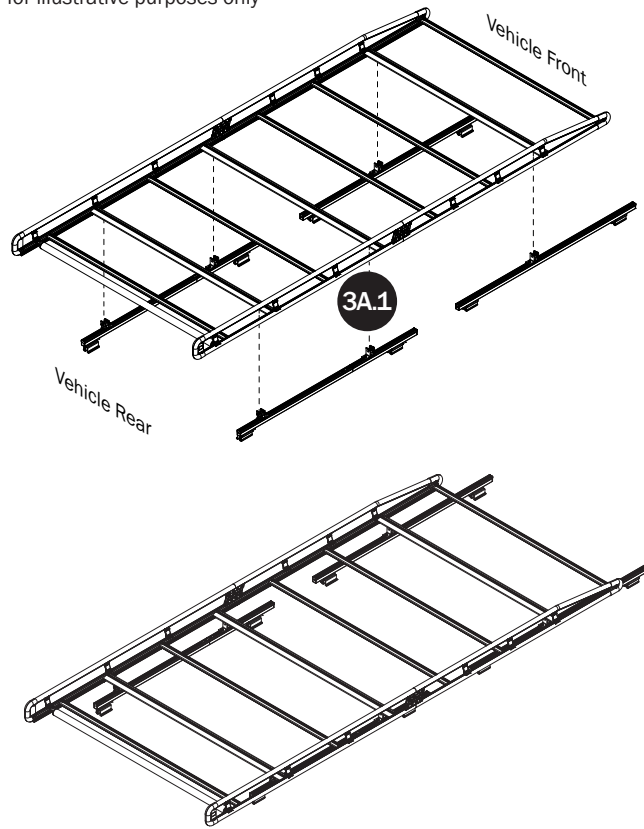


Torque only the Rear Crossbar Mounting Bracket bolts to 90 in-lbs at this time.

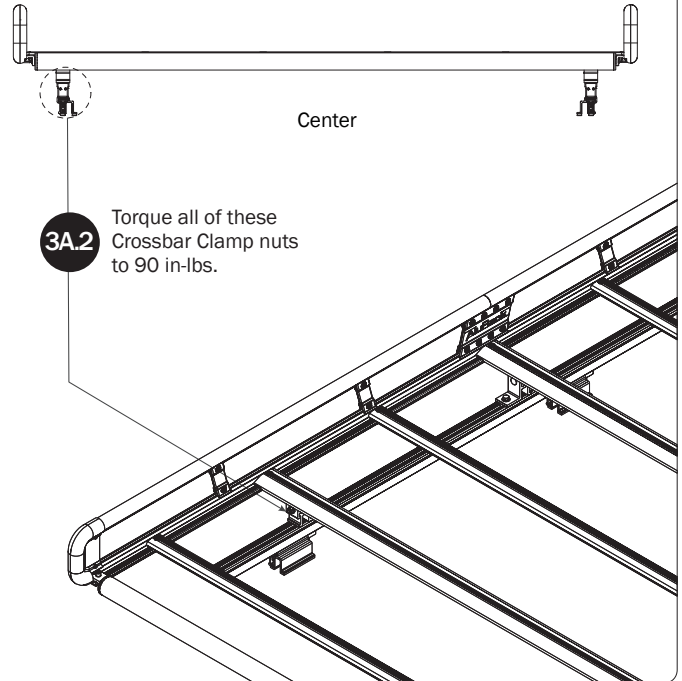
The Center (if equipped) and Front Crossbar Mounting Brackets will be torqued to specification when designated in the respective Feature (FEA) Assembly Manual.

CROSSBARS (ALURACK)

Shown with L5H2 AluRack for illustrative purposes only

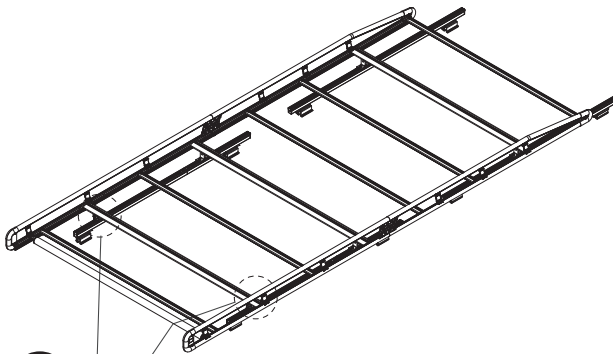
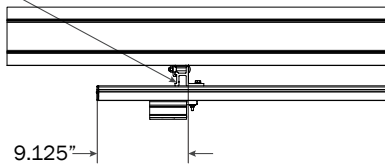


CROSSBAR ADJUSTMENT



3A.3

Verify the specified distance from the ends of both Mounting Bracket to the ends of both Channels.



3A.4

Torque all Crossbar Mounting Bracket bolts to 90 in-lbs at this time.

CENTER CROSSBAR MOUNTS FOR 2 CROSSBAR ERGORACK MODELS ONLY

Place the center Crossbar Mounts into the vehicle's glove box for future use.

