

PRIME DESIGN™

A Safe Fleet Brand



2014+ Ram ProMaster Low/High Roof Base Mounting Kit

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PRIME DESIGN, A SAFE FLEET BRAND

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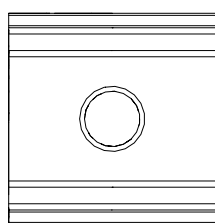
FBM-1007

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 (Qty 1)
Channels, 117.50" w/Hardware Kits



Aluminum Strip Nut (6X)



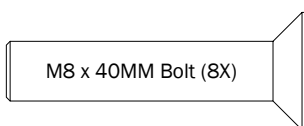
42" Channels (2X)



24" Channels (2X)



66" Channels (2X)



M8 x 40MM Bolt (8X)



Top Connector (4X)



Bottom Connector (4X)



Brackets (6X)



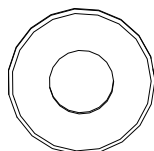
Mountings (8X)



End Caps (8X)



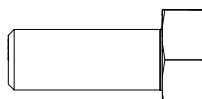
Screws (16X)



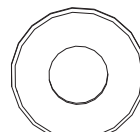
5/16" Flat Washer (6X)



5/16" Lock Washer (6X)



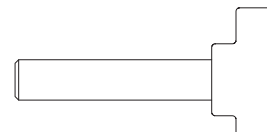
M8 x 20MM (6X)



1/4" Flat Washer (8X)



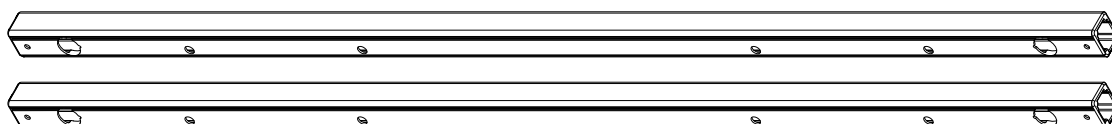
M6 Locknut (8X)



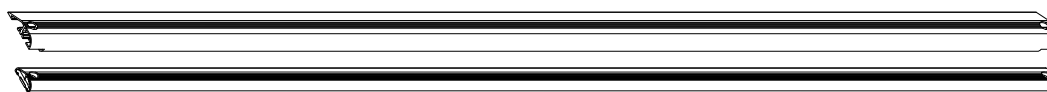
M6 T-Bolt (8X)

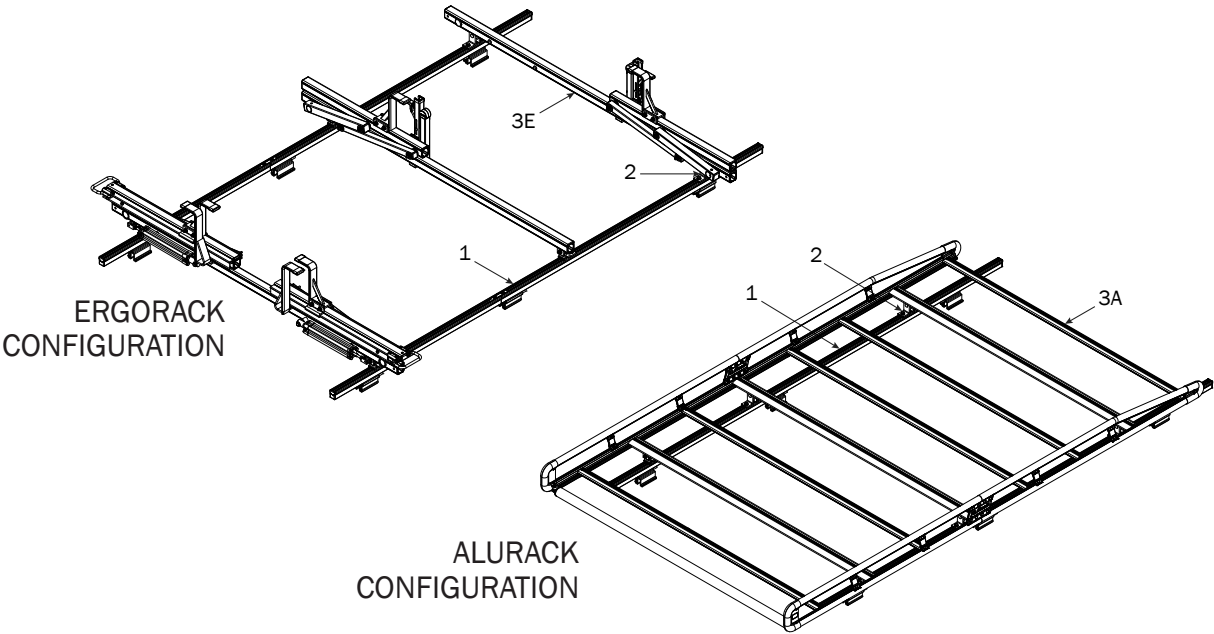
2—Crossbars (shown for illustrative purposes only)
Ordered separately

ErgoRack, Gen4



AluRack

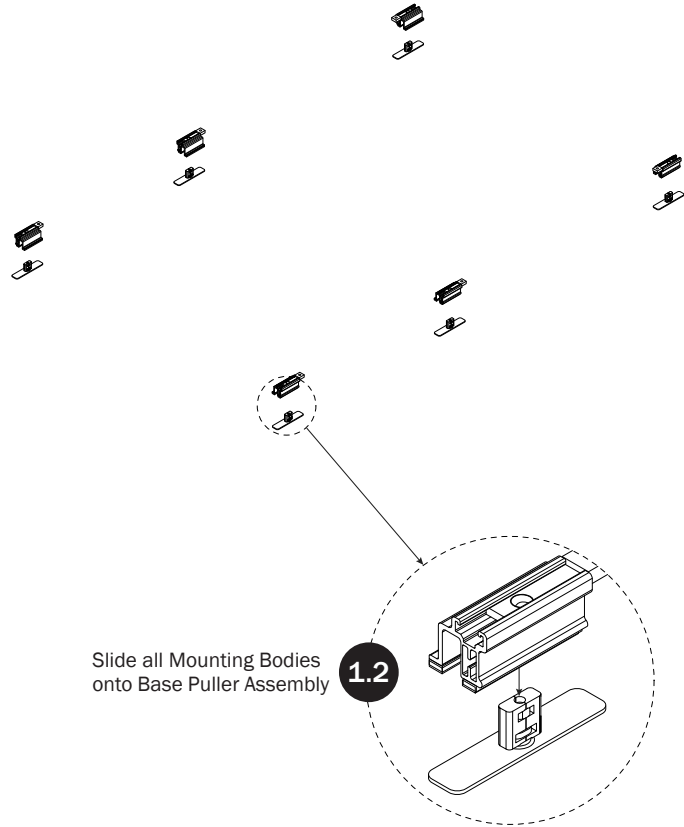
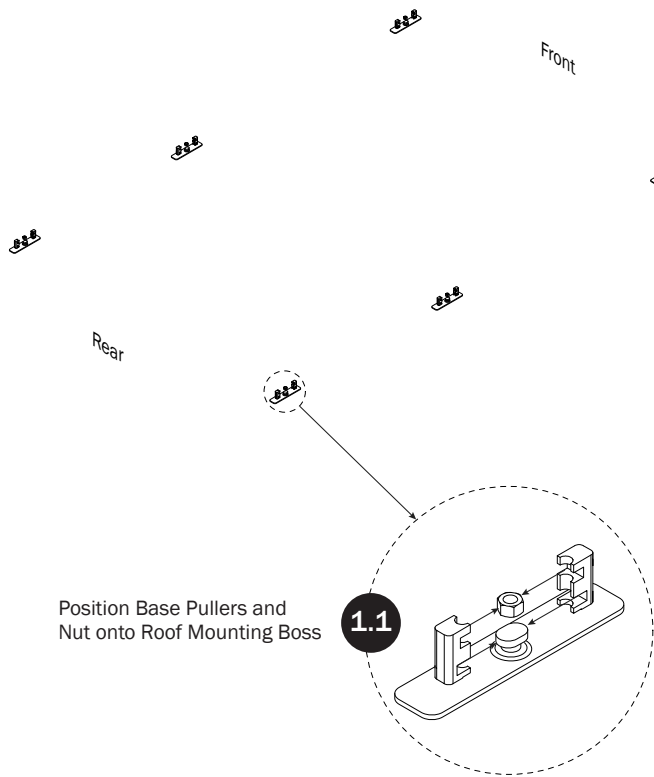




NOTE: Base, Rotation, Crossbar, and Side Rail features are shown for illustrative purposes only. These features are not included with this Base Mounting Kit, and must be purchased separately.

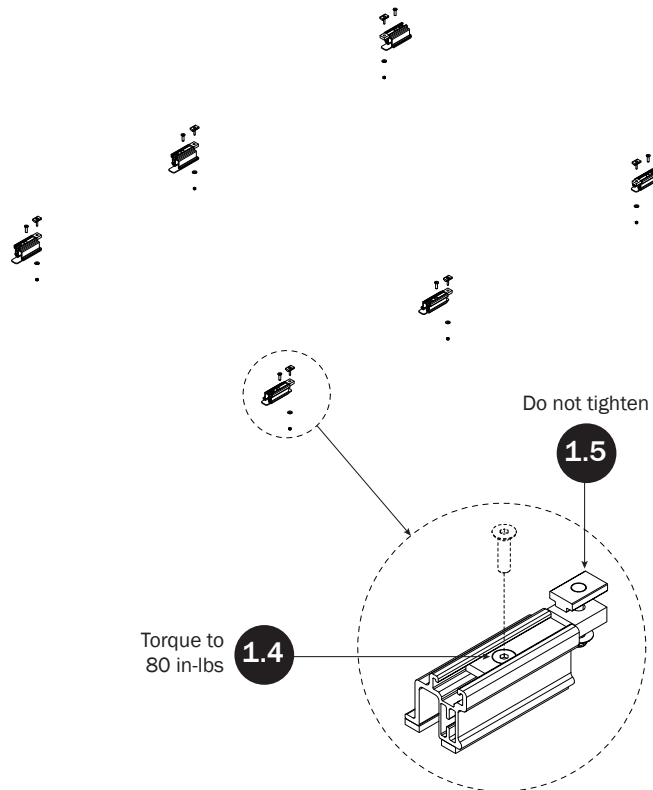
CHANNEL MOUNTINGS

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.

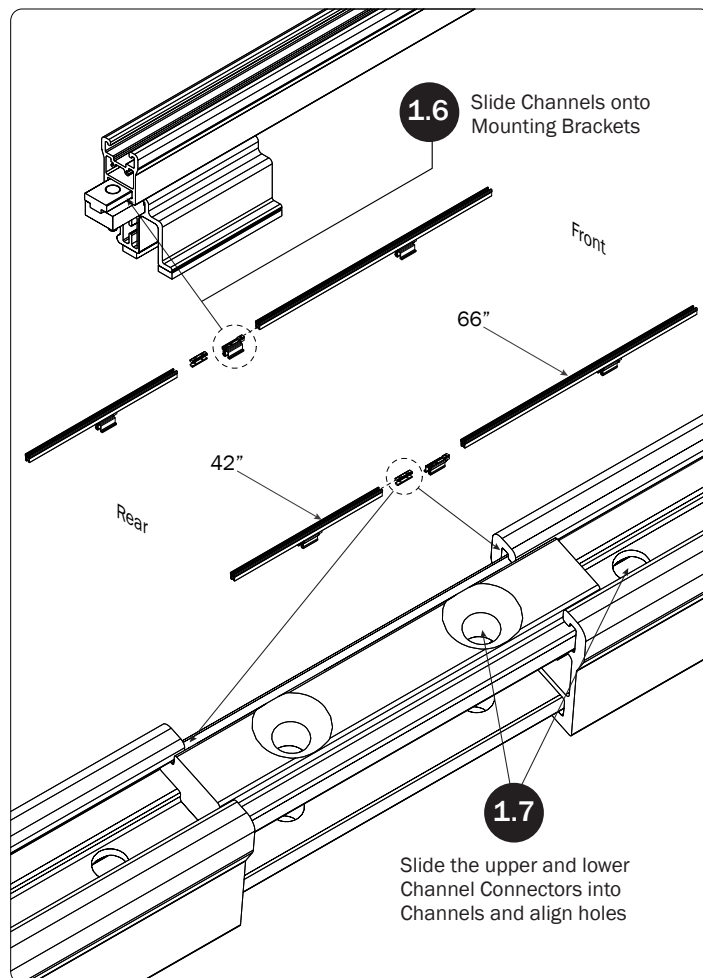
Torque to
80 in-lbs

1.4

Do not tighten

1.5

1.6

Slide Channels onto
Mounting Brackets

66"

42"

Rear

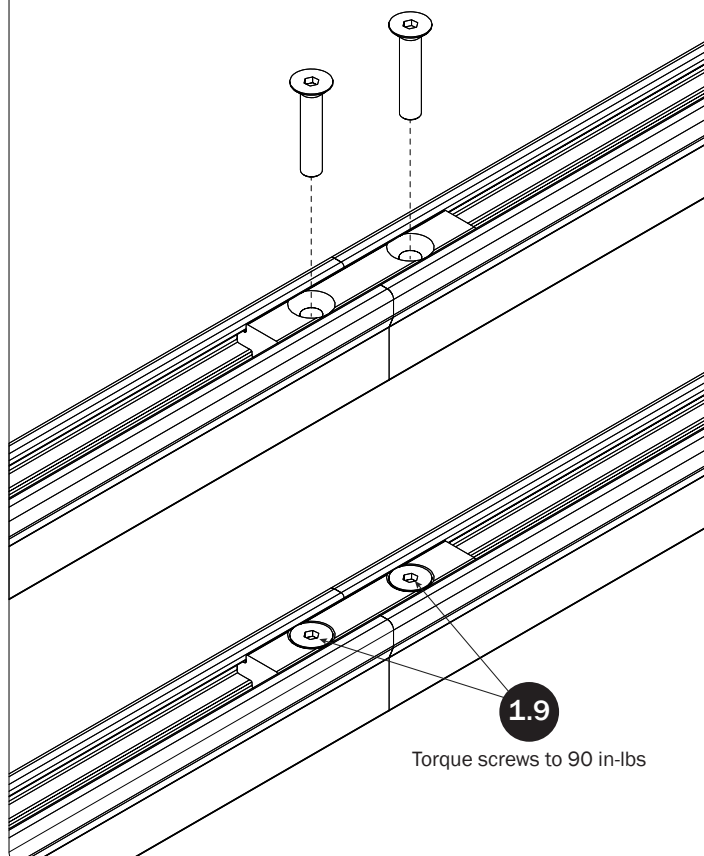
Front

1.7

Slide the upper and lower
Channel Connectors into
Channels and align holes

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

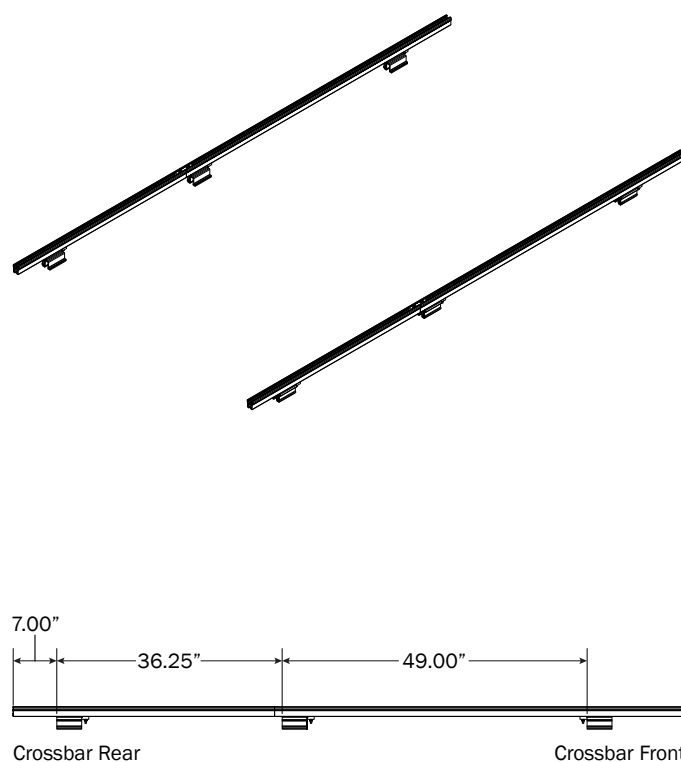


Torque screws to 90 in-lbs

1.9

1.10

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



7.00"

36.25"

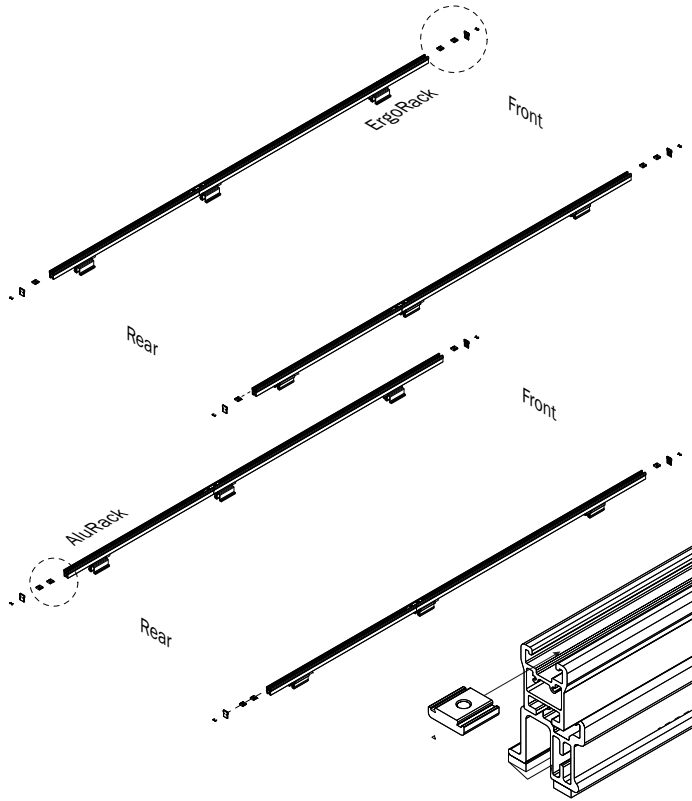
49.00"

Crossbar Rear

Crossbar Front

MOUNTING BRACKETS

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

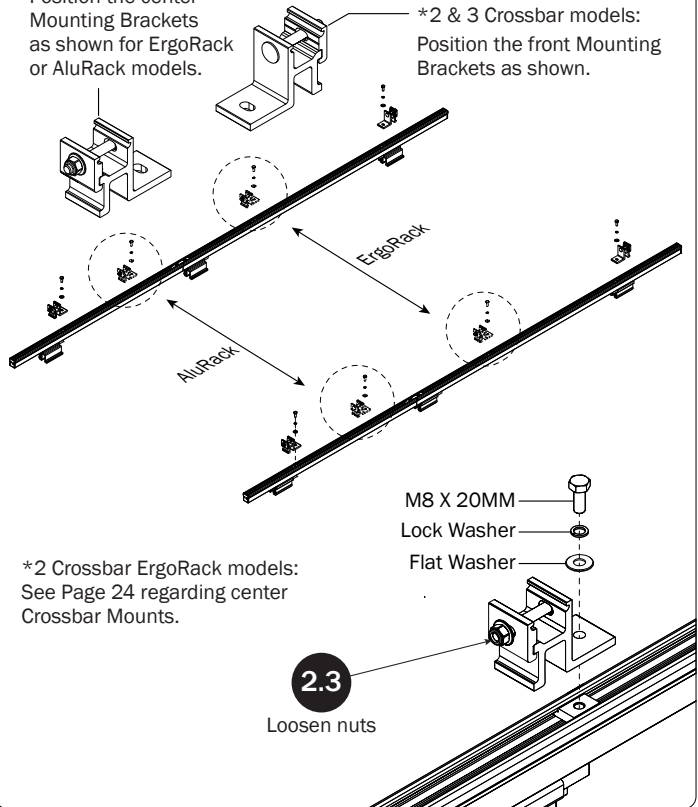


- 2.2** Using the supplied fastening hardware, attach the Crossbar Mounting Brackets into the Aluminum Strip Nuts placed into the Channels at Step 2.1

3 Crossbar models:

Position the center Mounting Brackets as shown for ErgoRack or AluRack models.

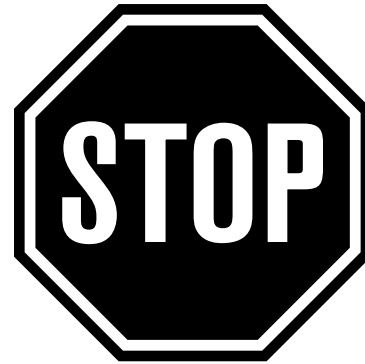
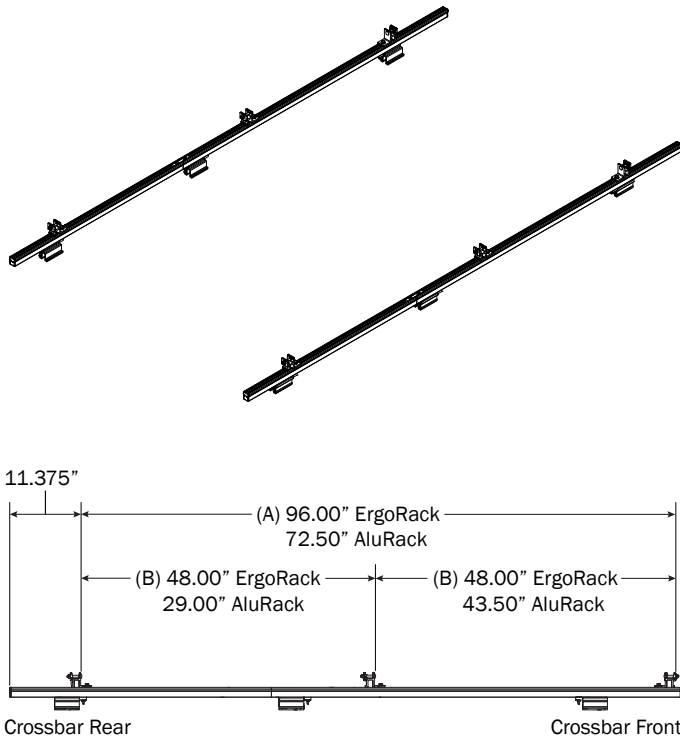
*2 & 3 Crossbar models: Position the front Mounting Brackets as shown.



*2 Crossbar ErgoRack models: See Page 24 regarding center Crossbar Mounts.

- 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.

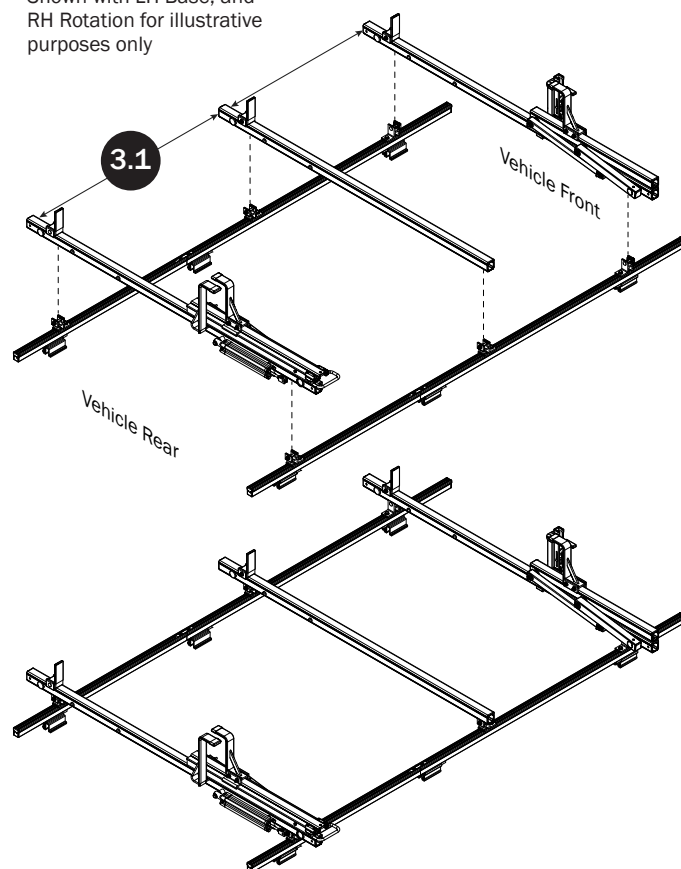
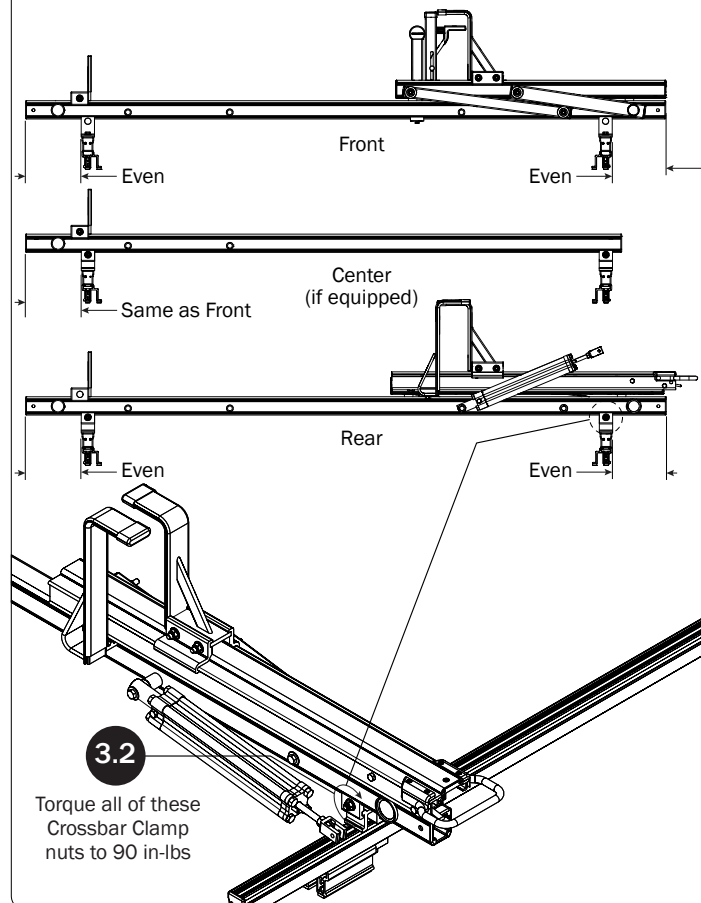
Refer to the respective FEA or AR Assembly Manual(s) included with your chosen rack configuration features. Depending upon the features chosen, you may need to perform a complete feature assembly onto the Crossbars or Side Rails as noted in that feature's Assembly Manual.

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.

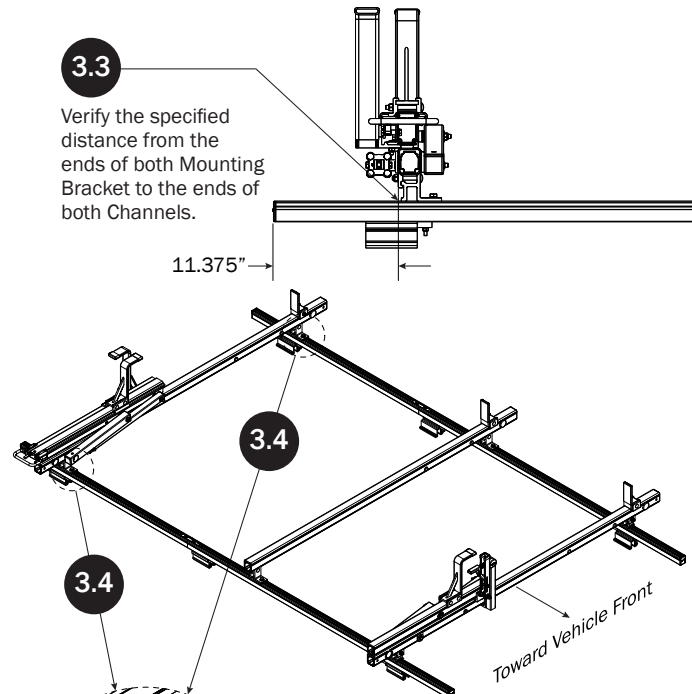
CROSSBARS (ERGORACK)

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"

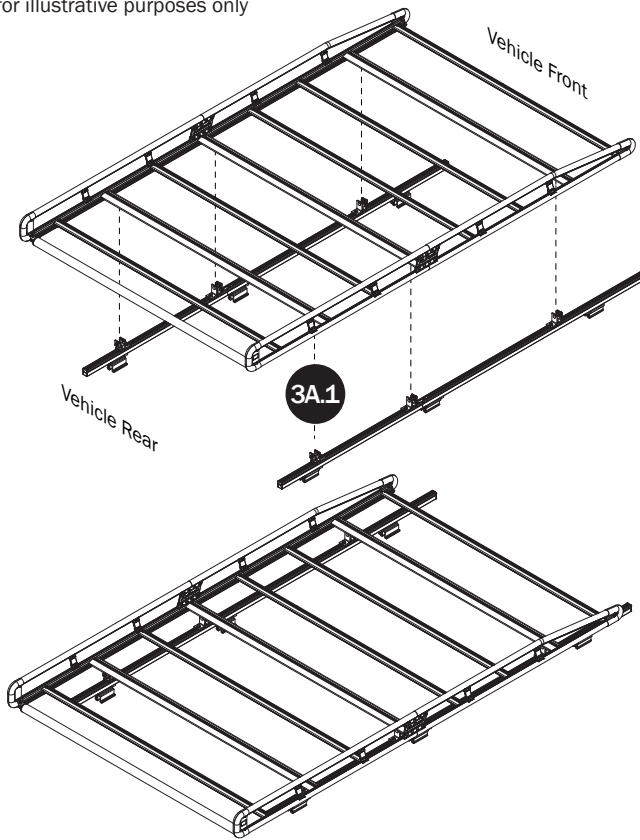
**3.4**

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

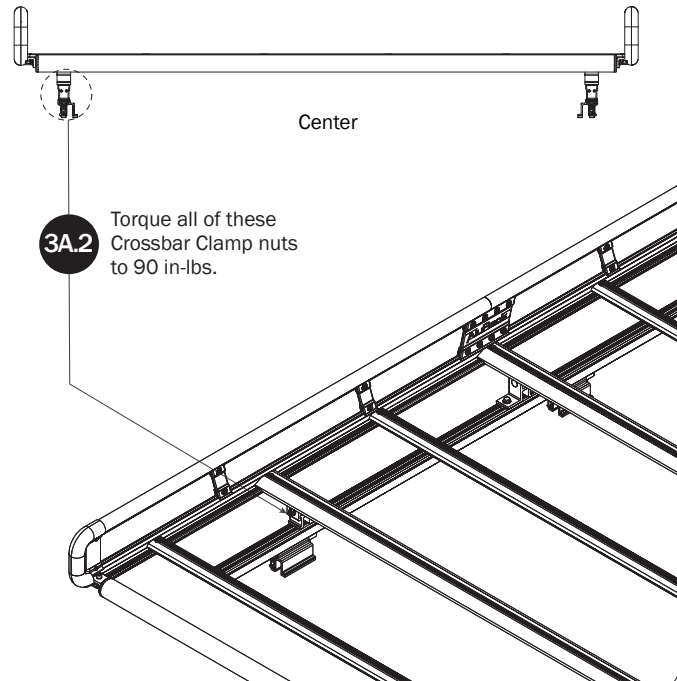
The Center (if equipped) and Front
Crossbar Mounting Brackets will
be torqued to specification when
designated in the respective Feature
(FEA) Assembly Manual.

CROSSBARS (ALURACK)

Shown with L1H1 AluRack
for illustrative purposes only



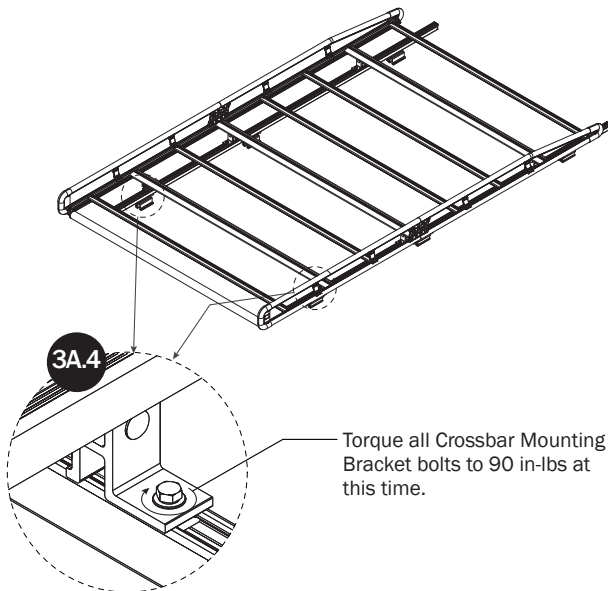
CROSSBAR ADJUSTMENT

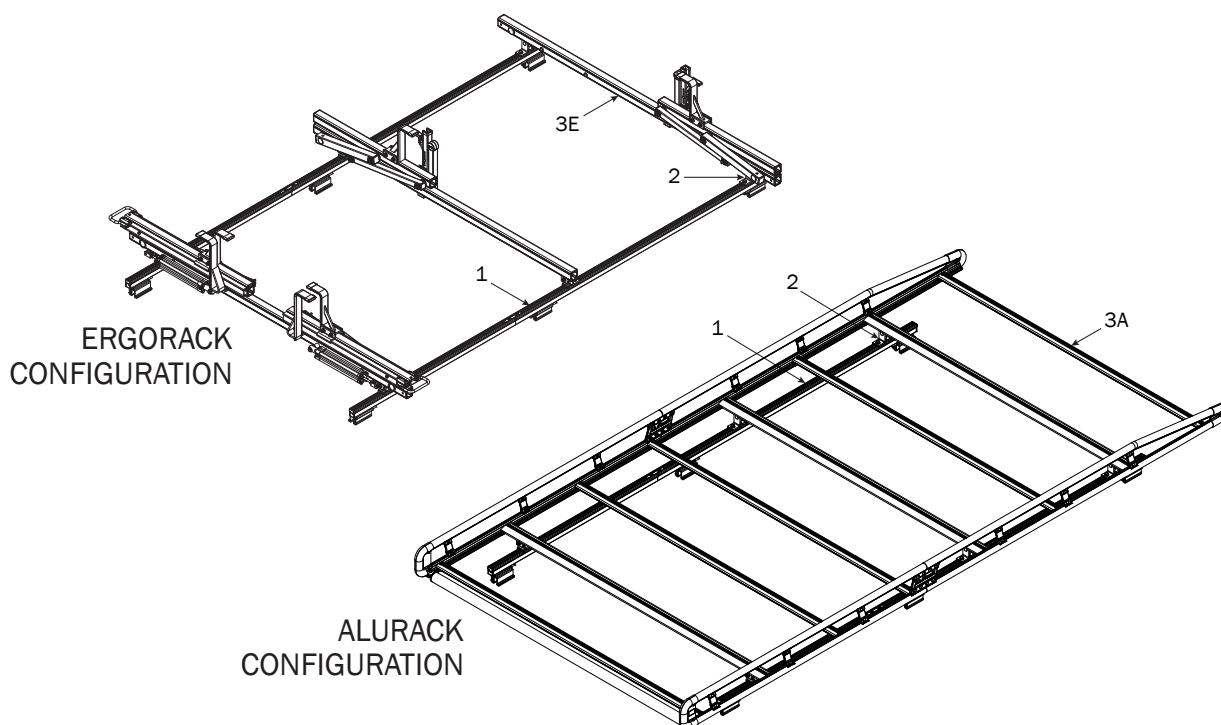


3A.3

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

11.375"

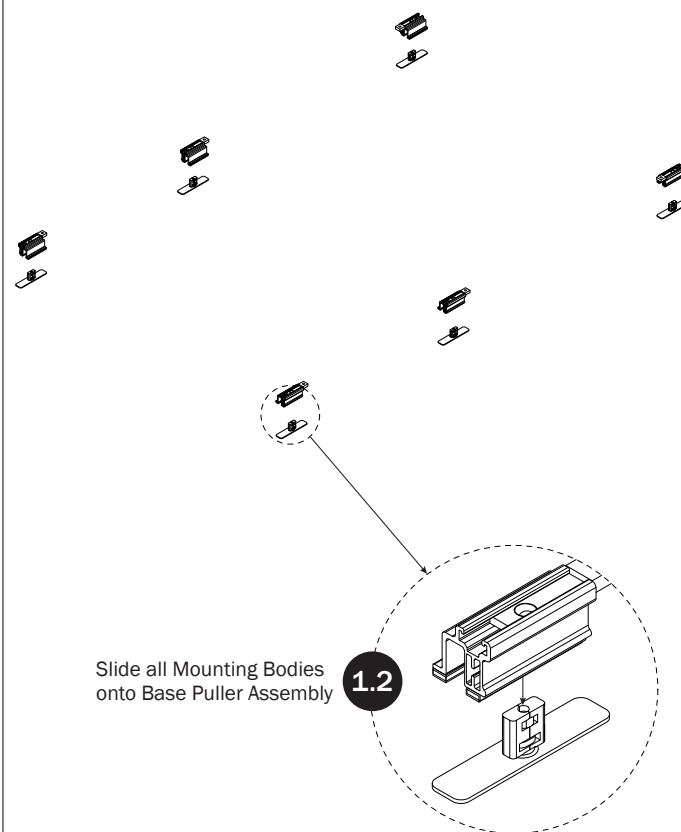
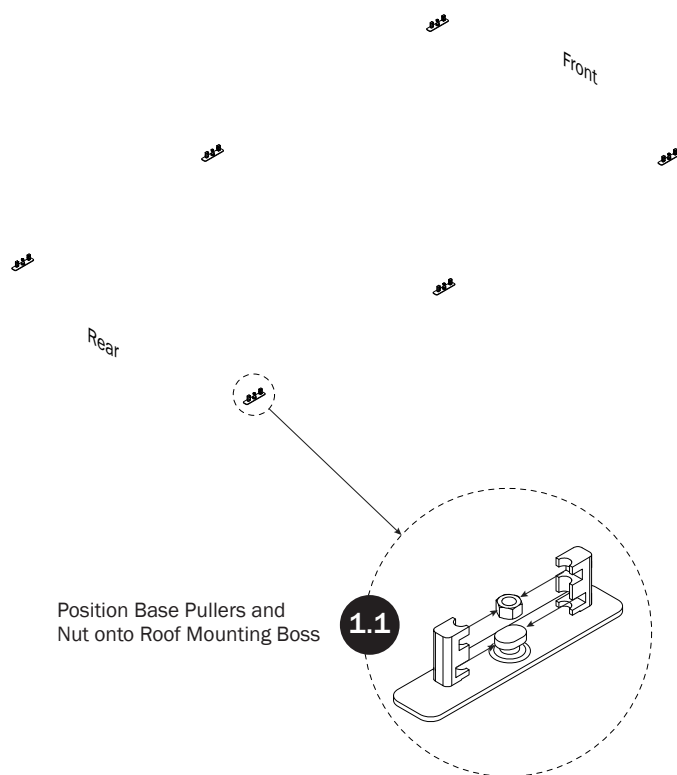


L2H1 (136.00") FBM ASSEMBLY SEQUENCE

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.

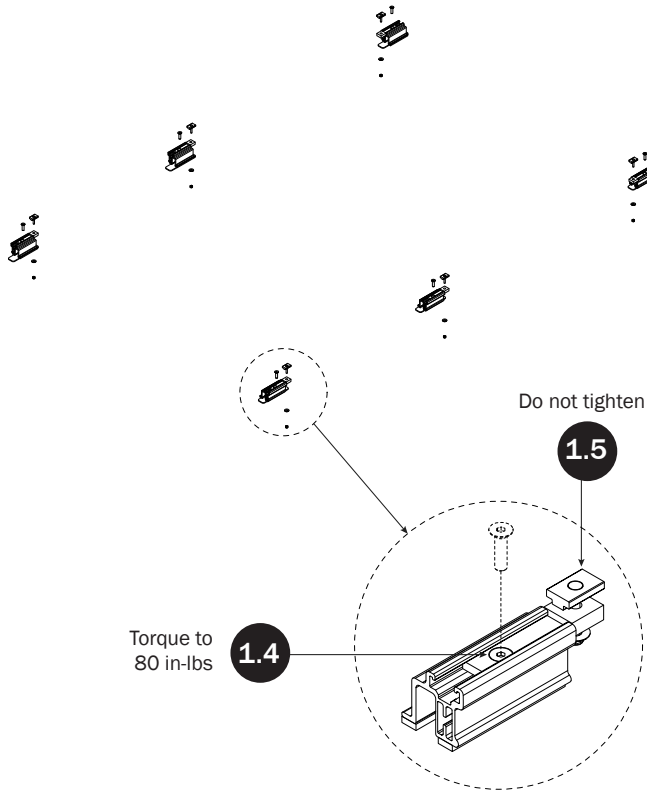
CHANNEL MOUNTINGS

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



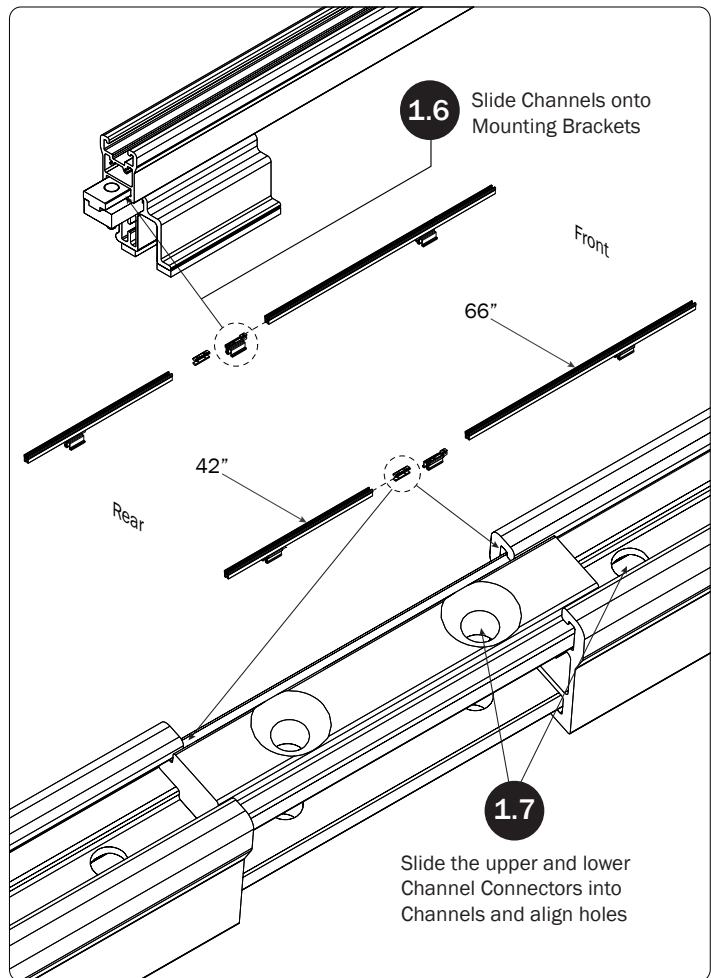
1.3

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



1.6

Slide Channels onto Mounting Brackets

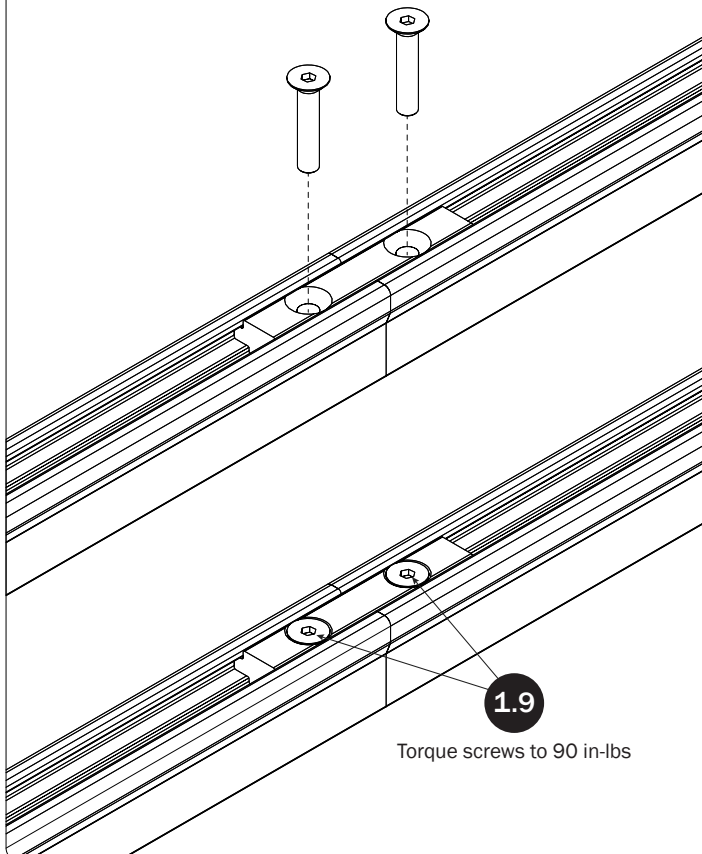


1.7

Slide the upper and lower Channel Connectors into Channels and align holes

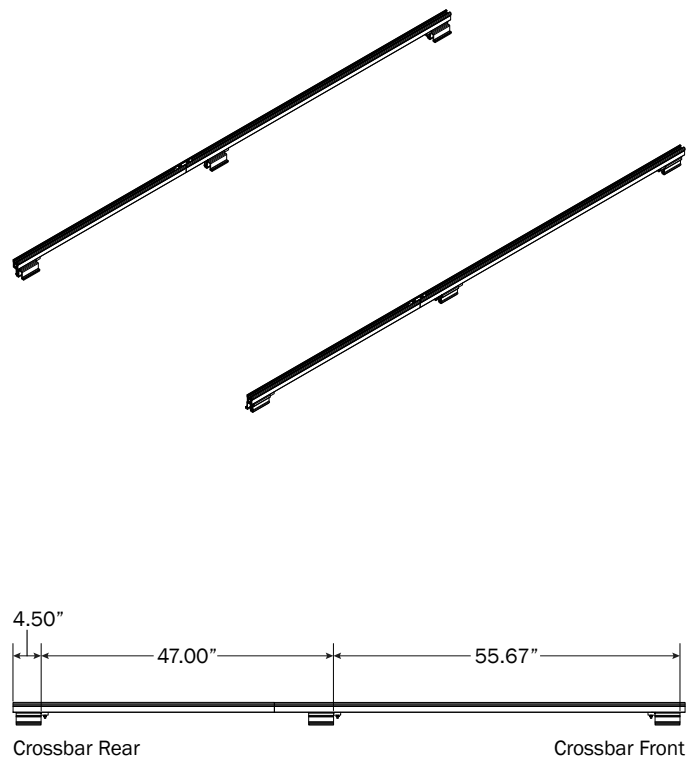
1.8

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



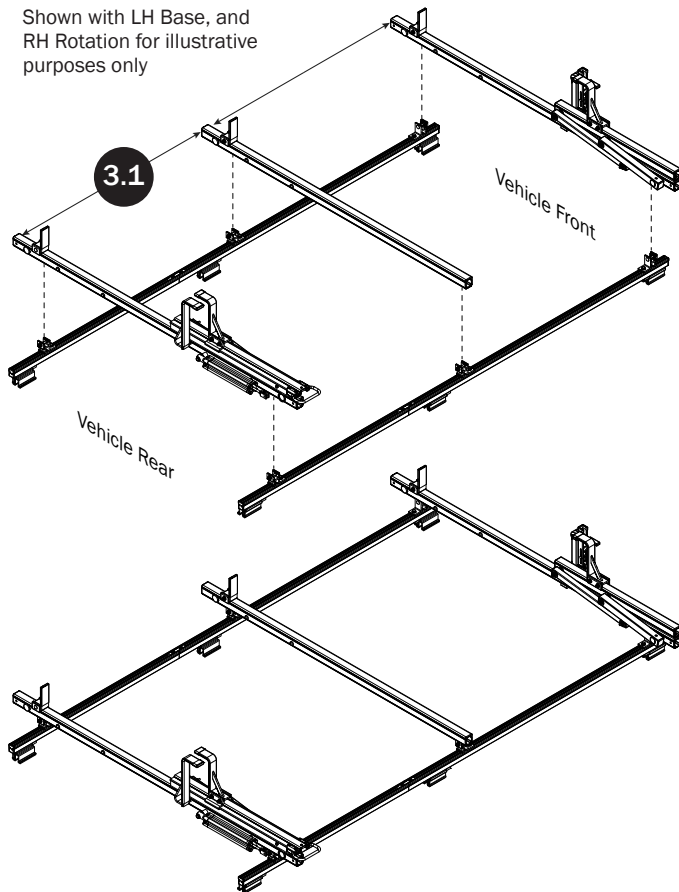
1.10

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

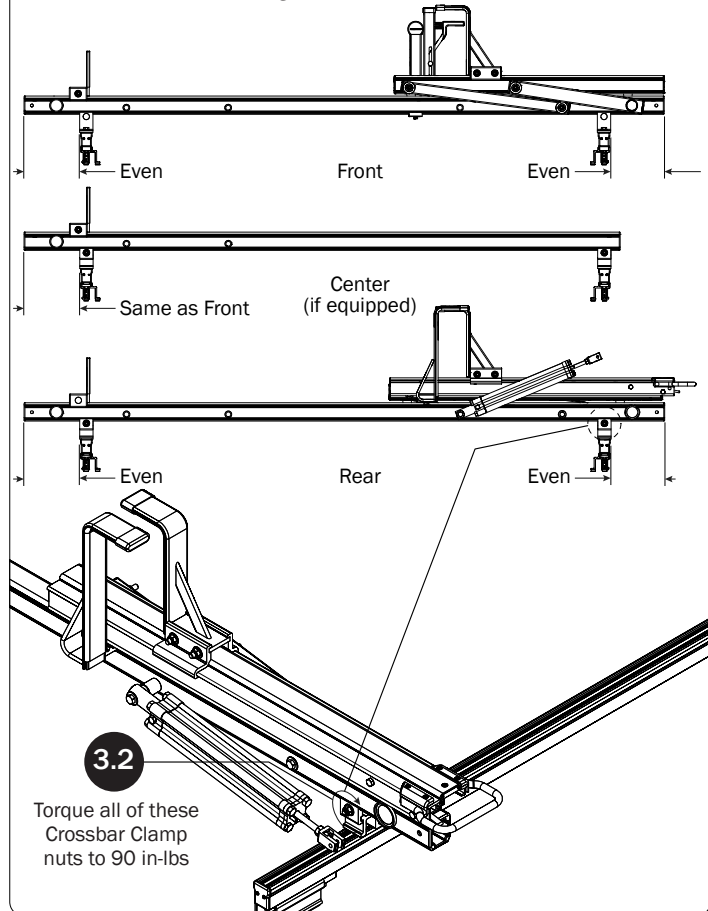


CROSSBARS (ERGORACK)

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



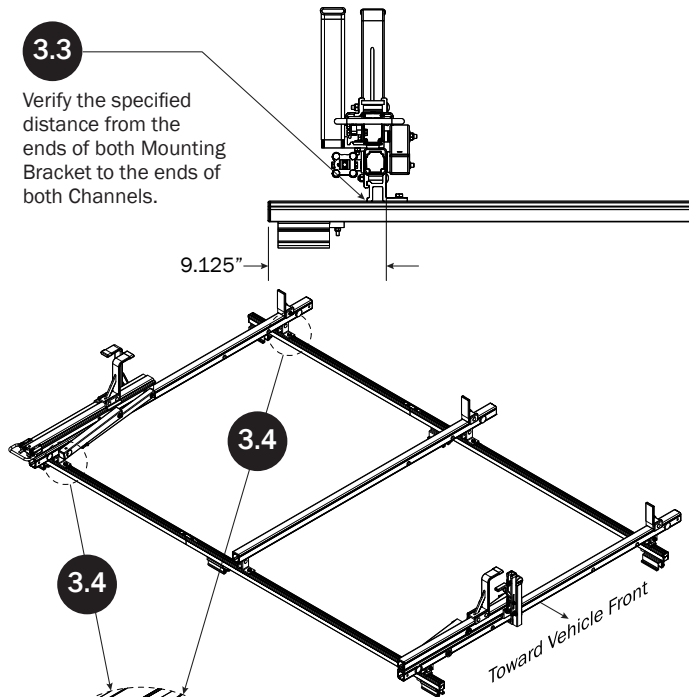
CROSSBAR ADJUSTMENT



3.3

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

9.125"

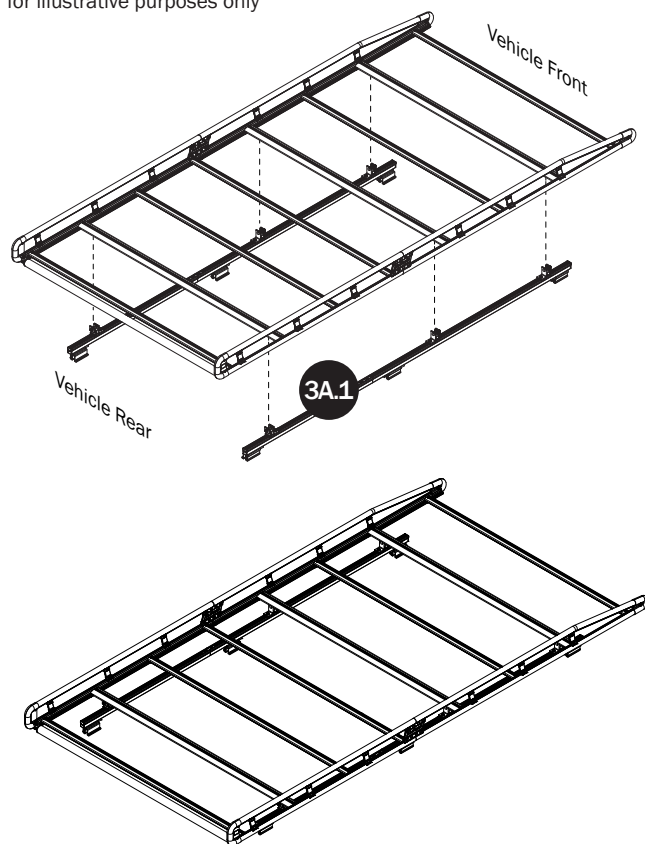
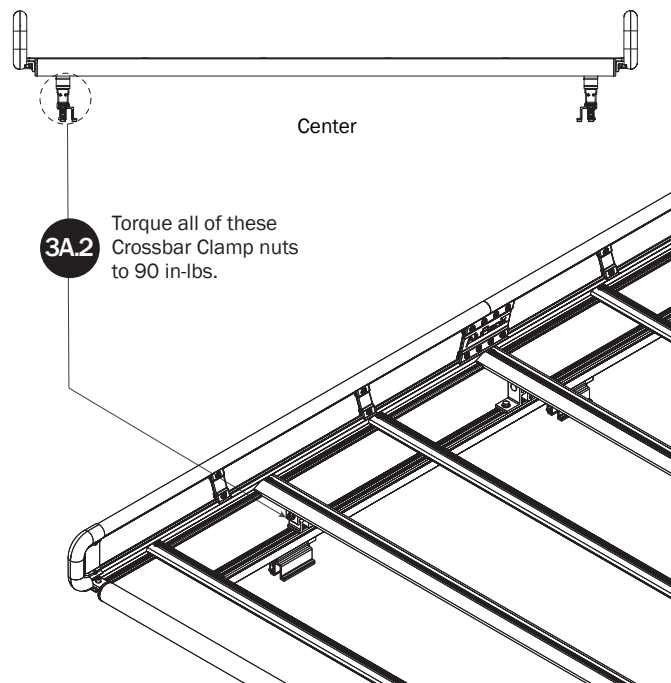


Torque only the Rear Crossbar Mounting Bracket bolts to 90 in-lbs at this time.

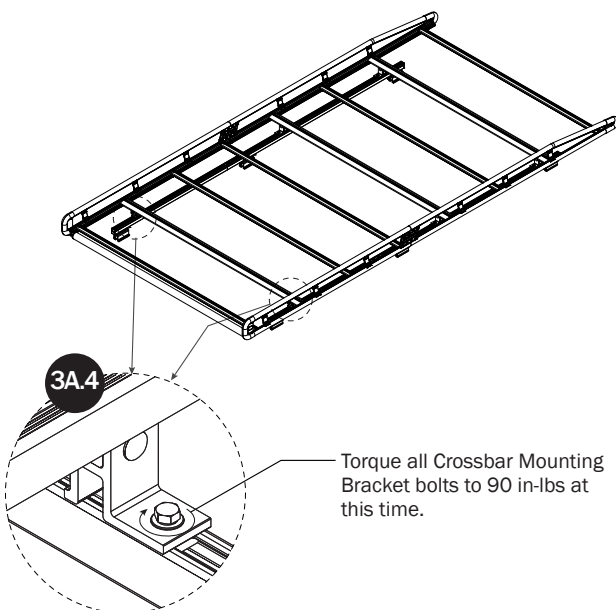
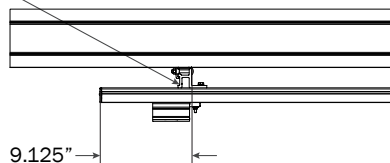
The Center (if equipped) and Front Crossbar Mounting Brackets will be torqued to specification when designated in the respective Feature (FEA) Assembly Manual.

CROSSBARS (ALURACK)

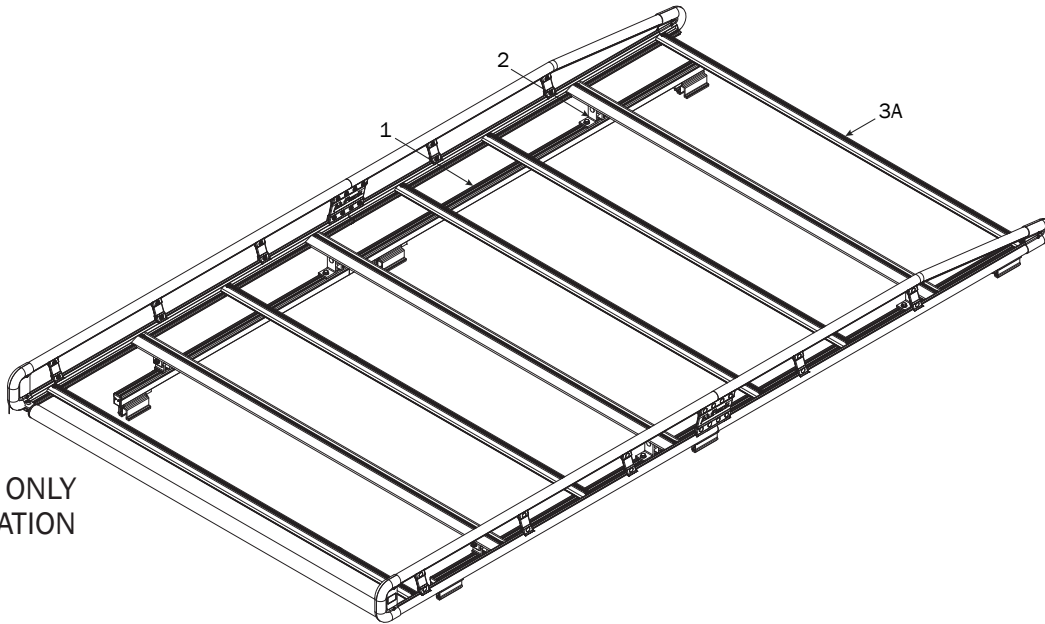
Shown with L2H1 AluRack
for illustrative purposes only

**CROSSBAR
ADJUSTMENT****3A.3**

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



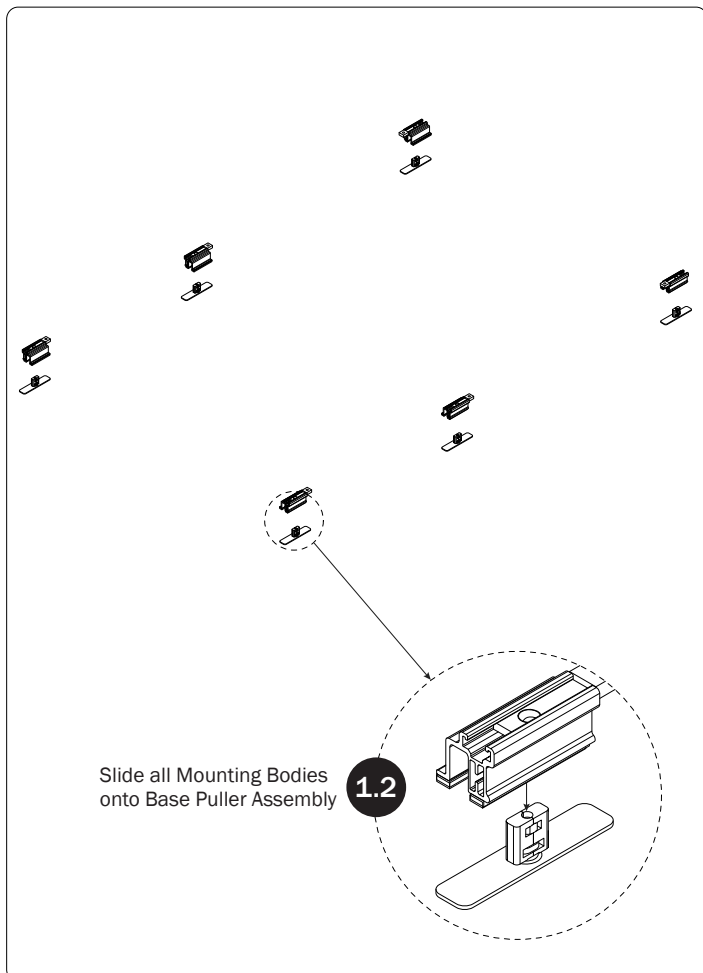
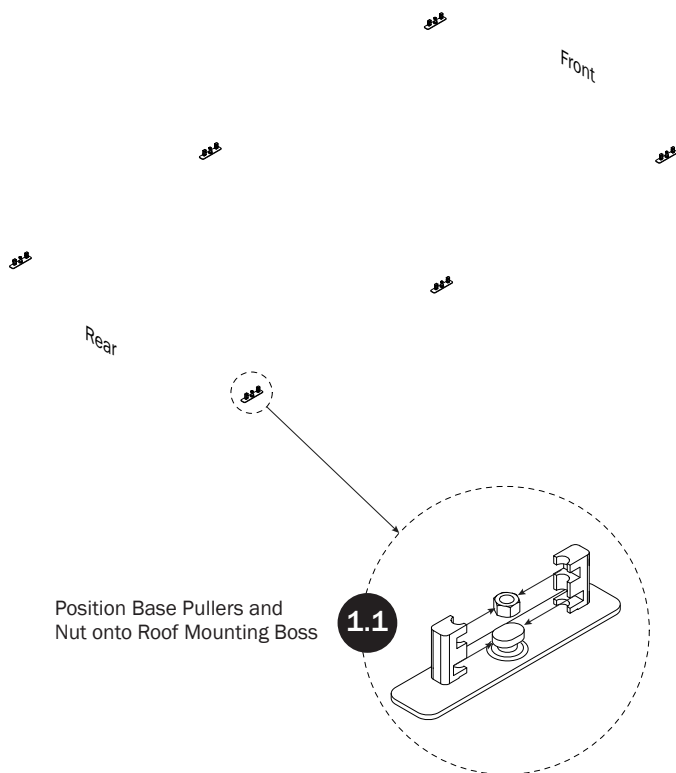
ALURACK ONLY CONFIGURATION



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.

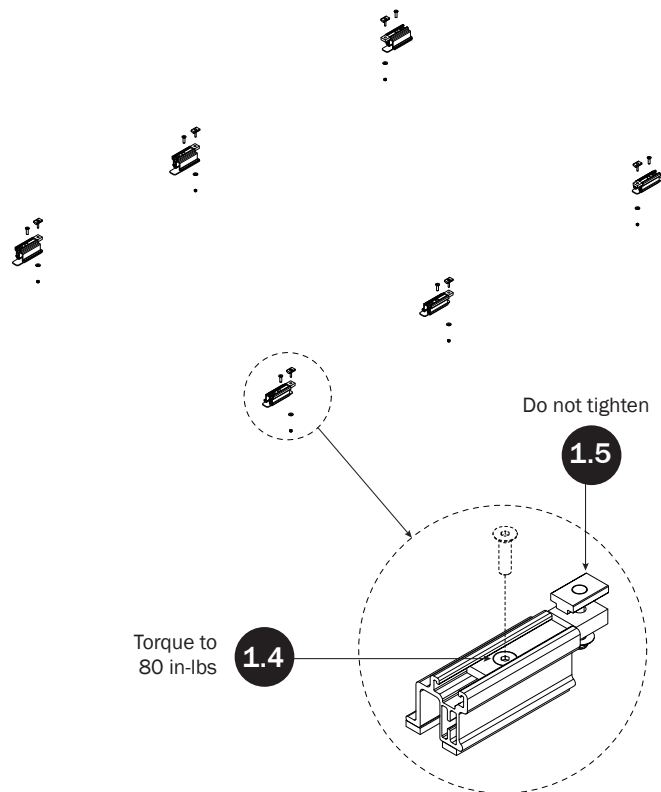
CHANNEL MOUNTINGS

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



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.



Do not tighten

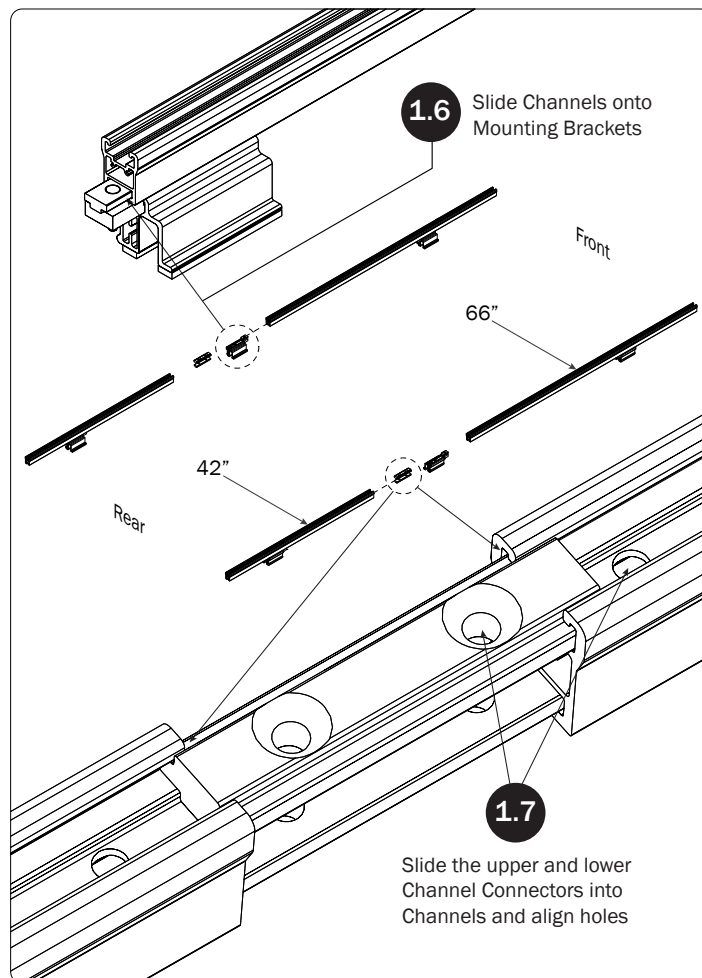
1.5

Torque to
80 in-lbs

1.4

1.6

Slide Channels onto
Mounting Brackets



Front

66"

42"

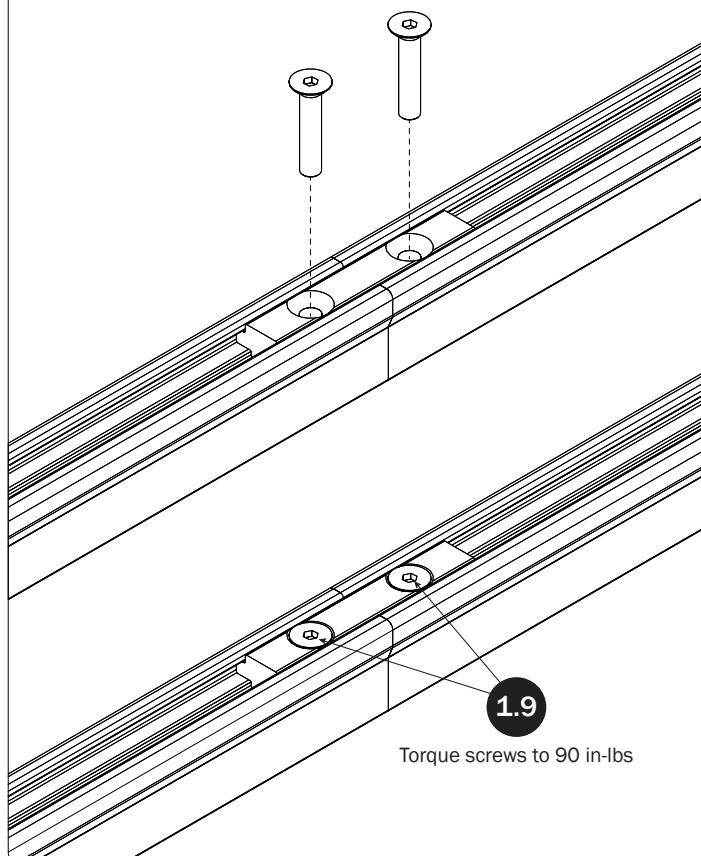
Rear

1.7

Slide the upper and lower
Channel Connectors into
Channels and align holes

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

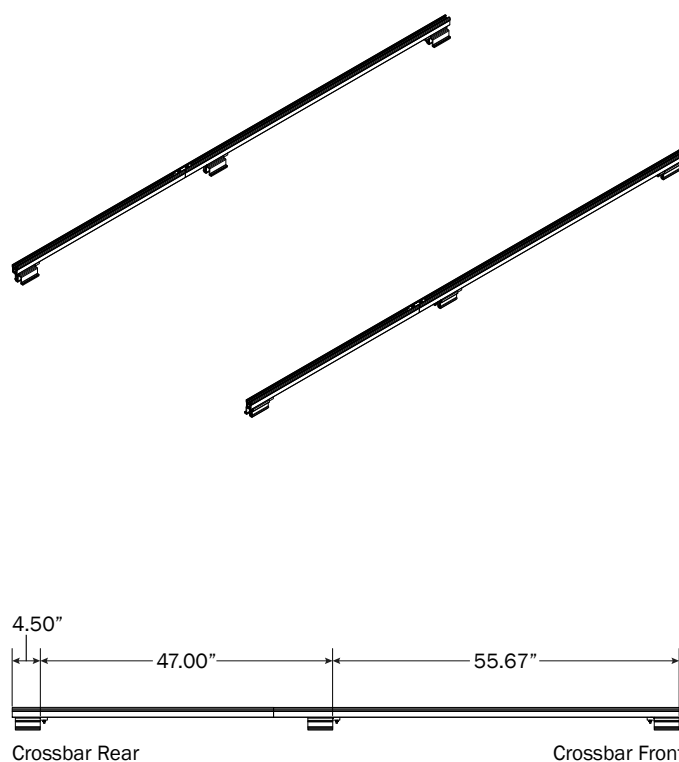


1.9

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



4.50"

47.00"

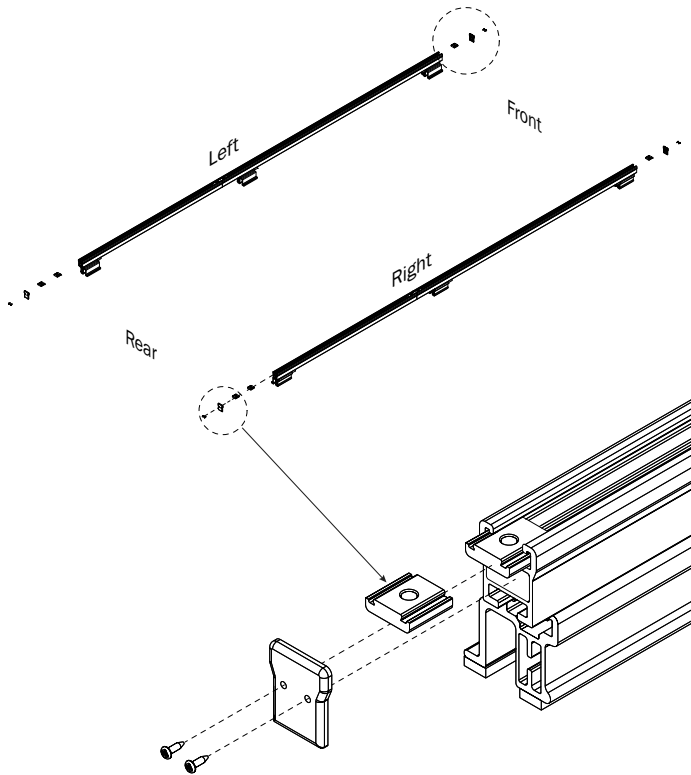
55.67"

Crossbar Rear

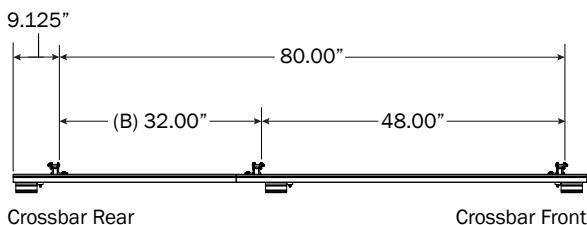
Crossbar Front

MOUNTING BRACKETS

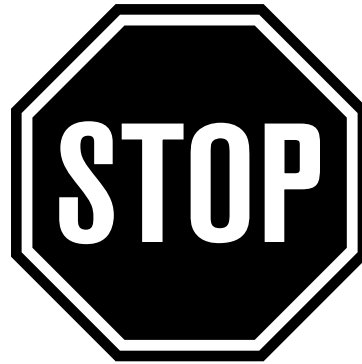
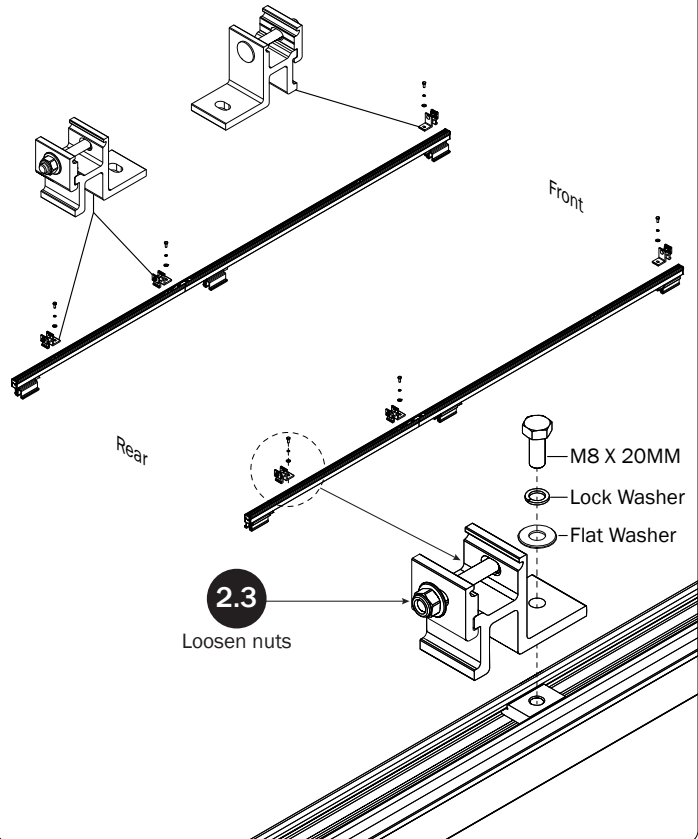
- 2.1** Slide the Aluminum Strip Nuts into each end of the Channels, and attach the Channel Caps



- 2.4** 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.



- 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



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

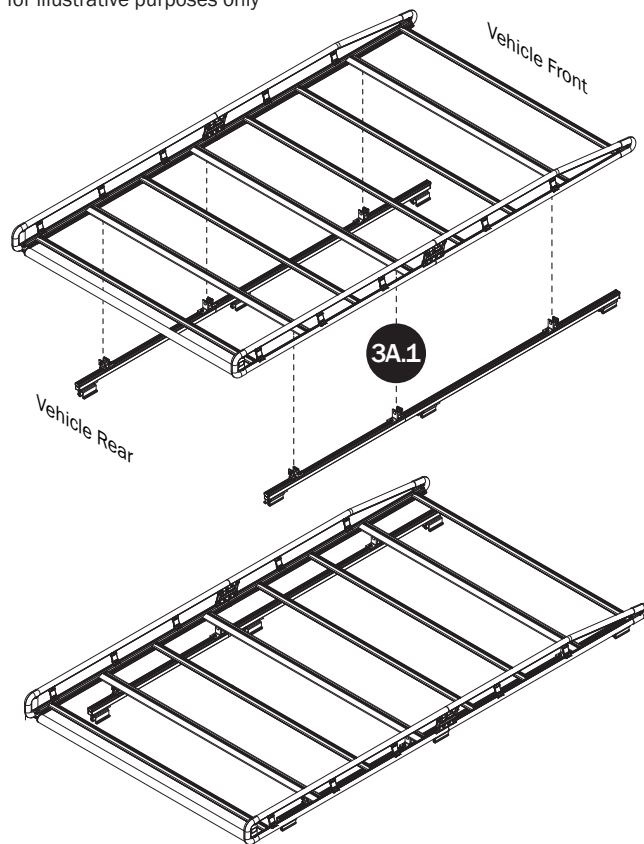
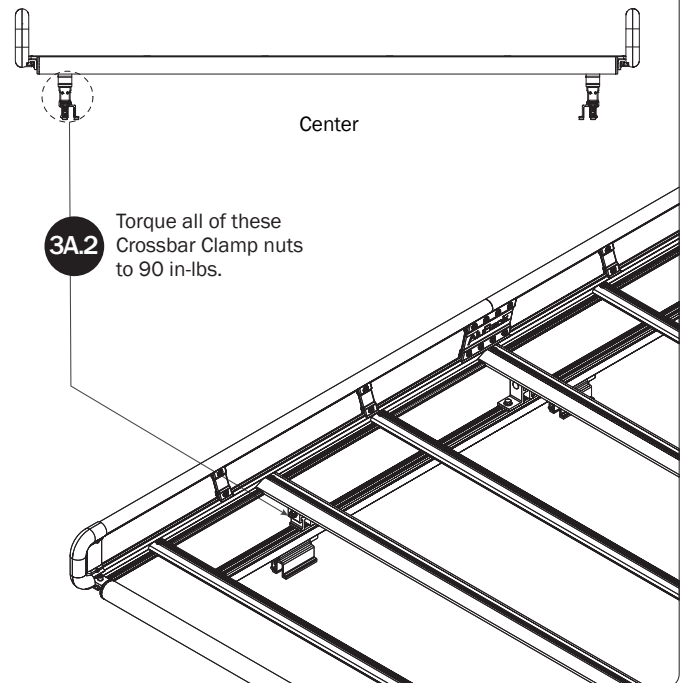
Refer to the respective FEA or AR Assembly Manual(s) included with your chosen rack configuration features. Depending upon the features chosen, you may need to perform a complete feature assembly onto the Crossbars or Side Rails as noted in that feature's Assembly Manual.

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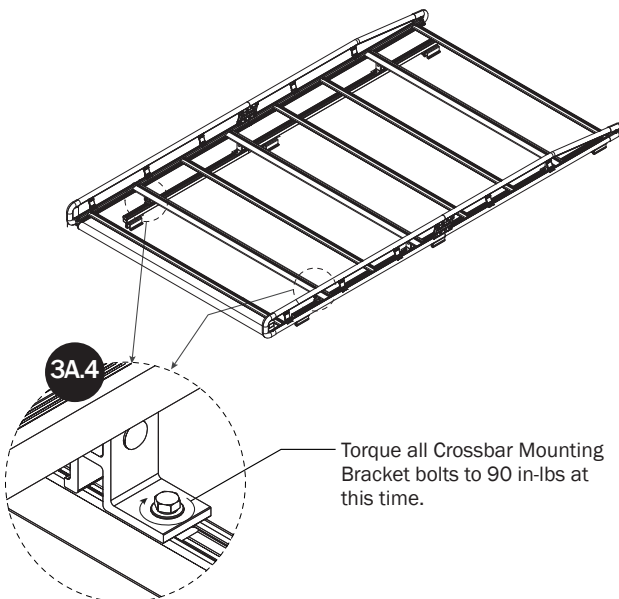
CROSSBARS (ALURACK)

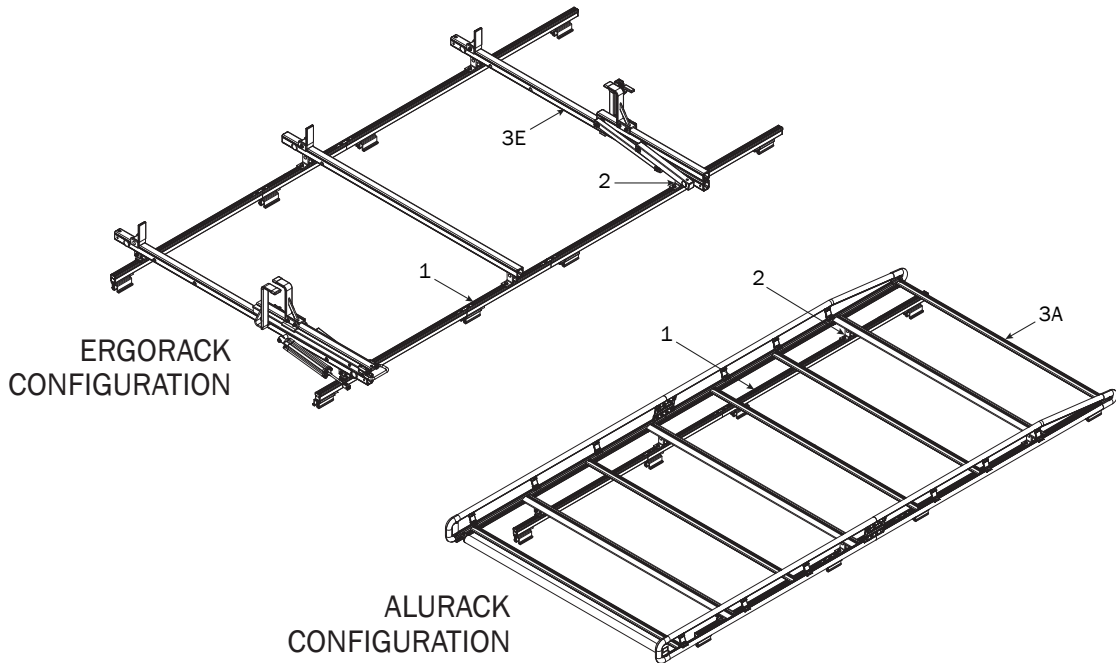
Shown with L2H2 AluRack
for illustrative purposes only

**CROSSBAR
ADJUSTMENT****3A.3**

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

9.125"

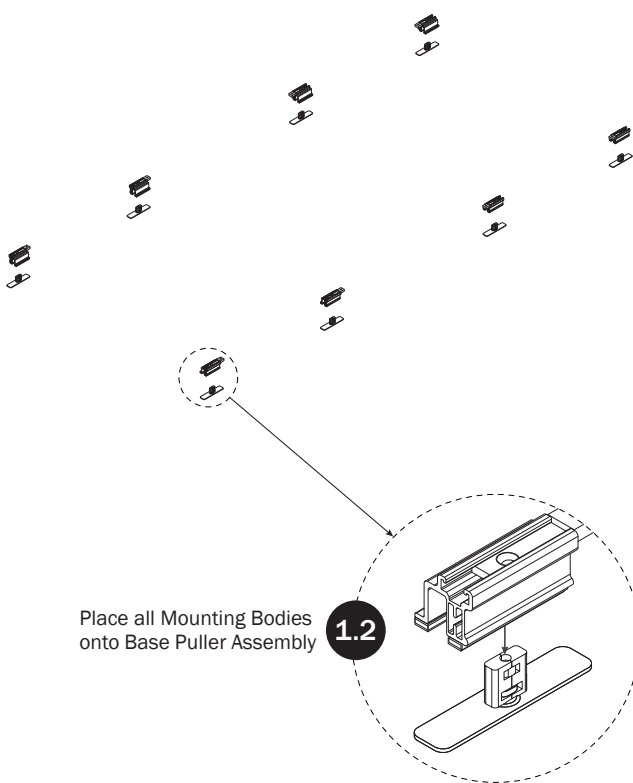
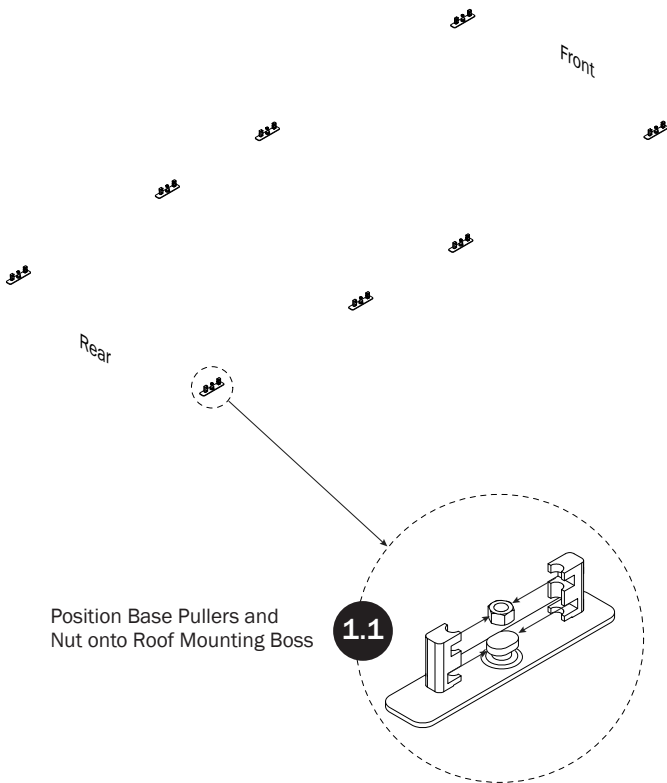




NOTE: Base, Rotation, Crossbar, and Side Rail features are shown for illustrative purposes only. These features are not included with this Base Mounting Kit, and must be purchased separately.

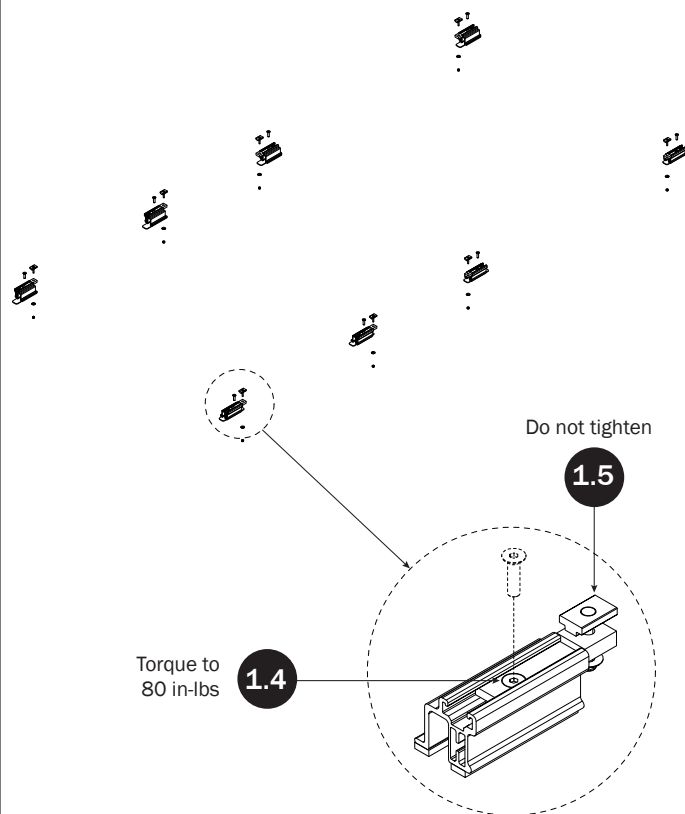
CHANNEL MOUNTINGS

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.



Do not tighten

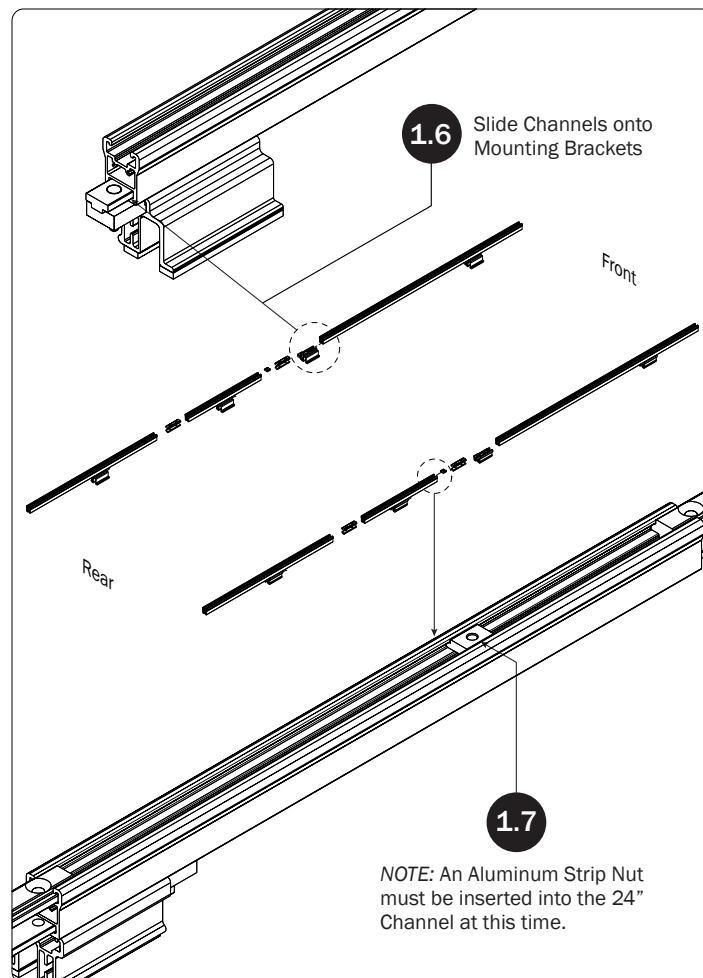
1.5

Torque to
80 in-lbs

1.4

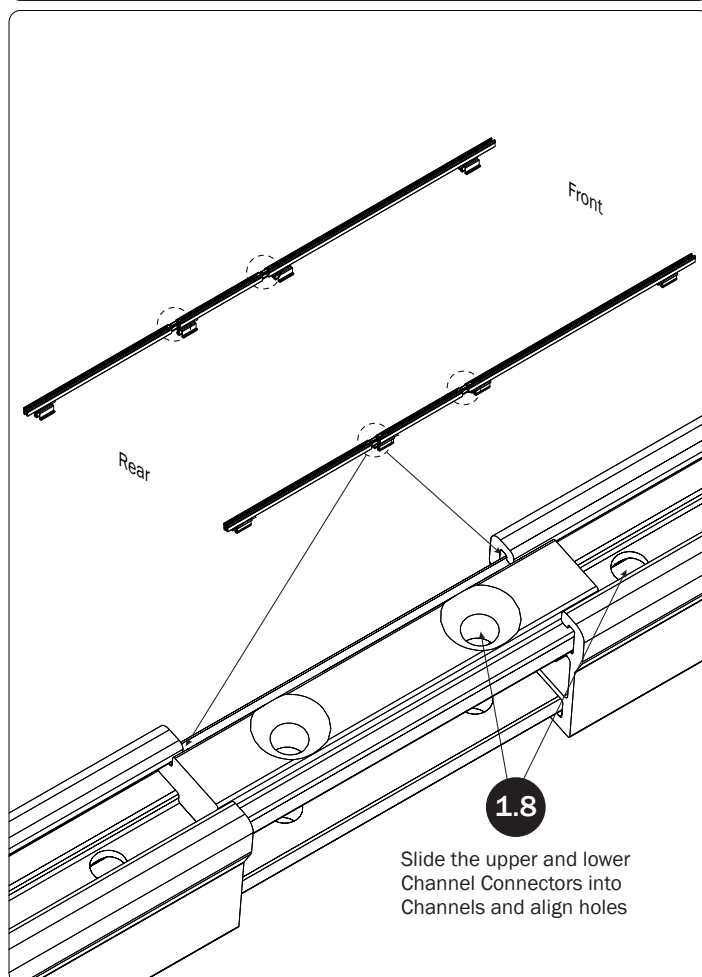
1.6

Slide Channels onto
Mounting Brackets



1.7

NOTE: An Aluminum Strip Nut
must be inserted into the 24"
Channel at this time.

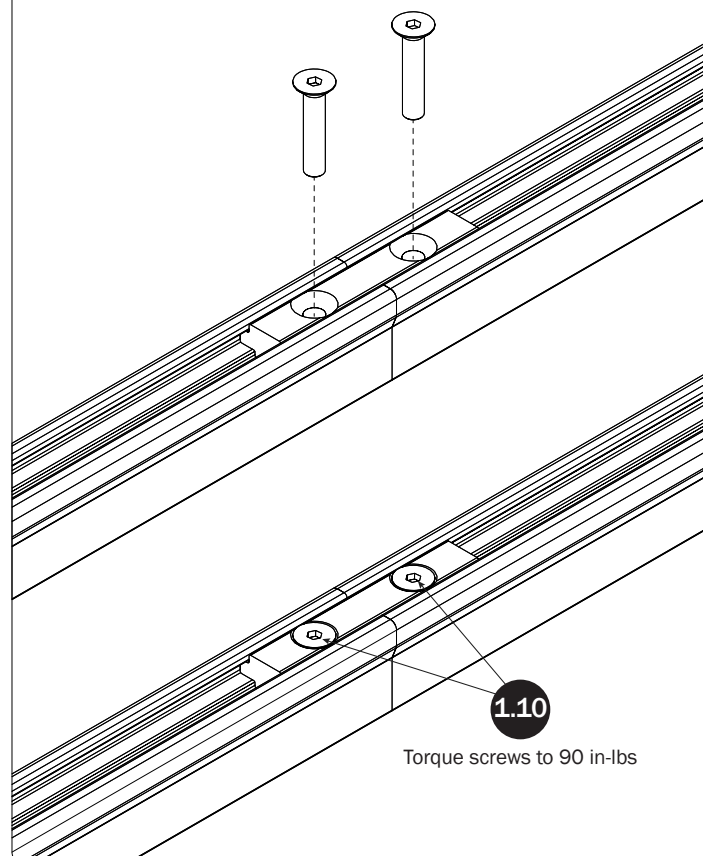


1.8

Slide the upper and lower
Channel Connectors into
Channels and align holes

1.9

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 1.10

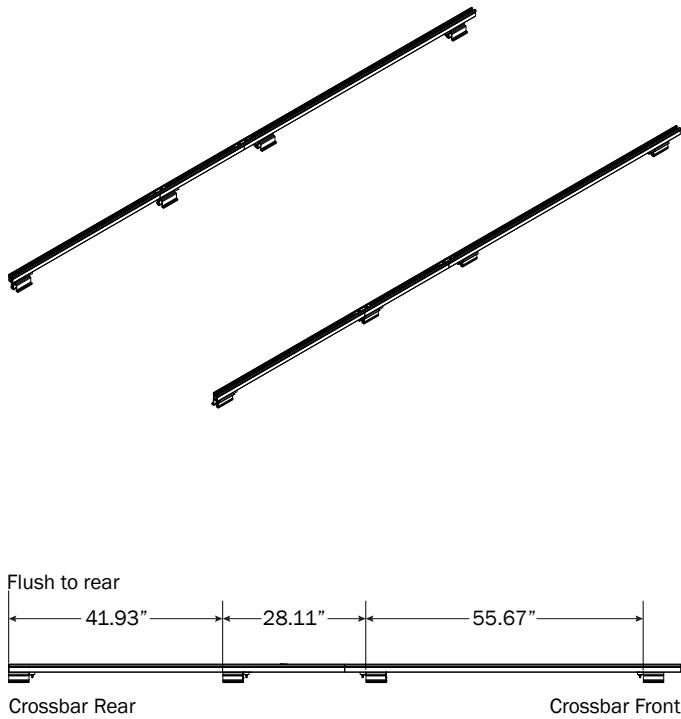


1.10

Torque screws to 90 in-lbs

1.11

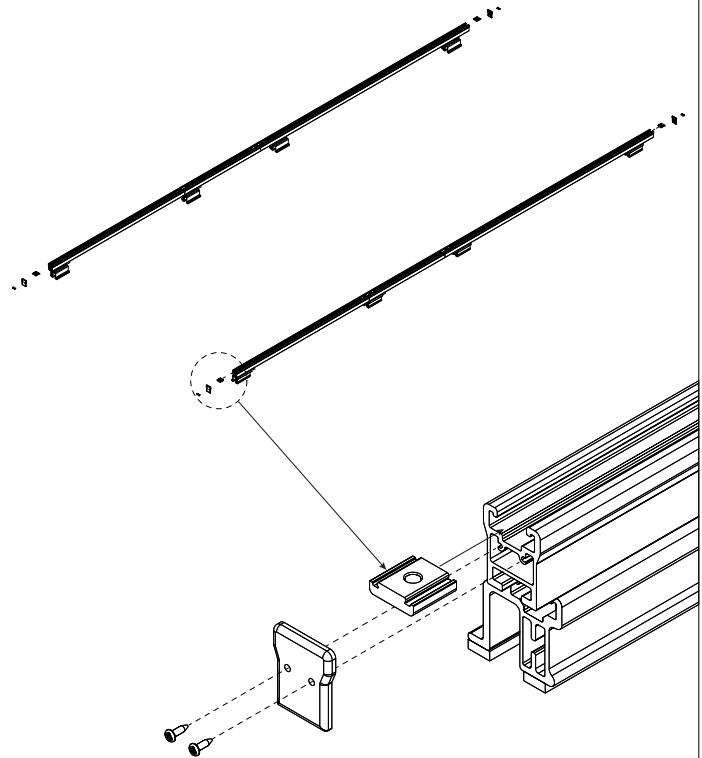
Set to distances shown below, then torque Mounting Bracket nuts loosened at Step 1.5 to 80 in-lbs



MOUNTING BRACKETS

2.1

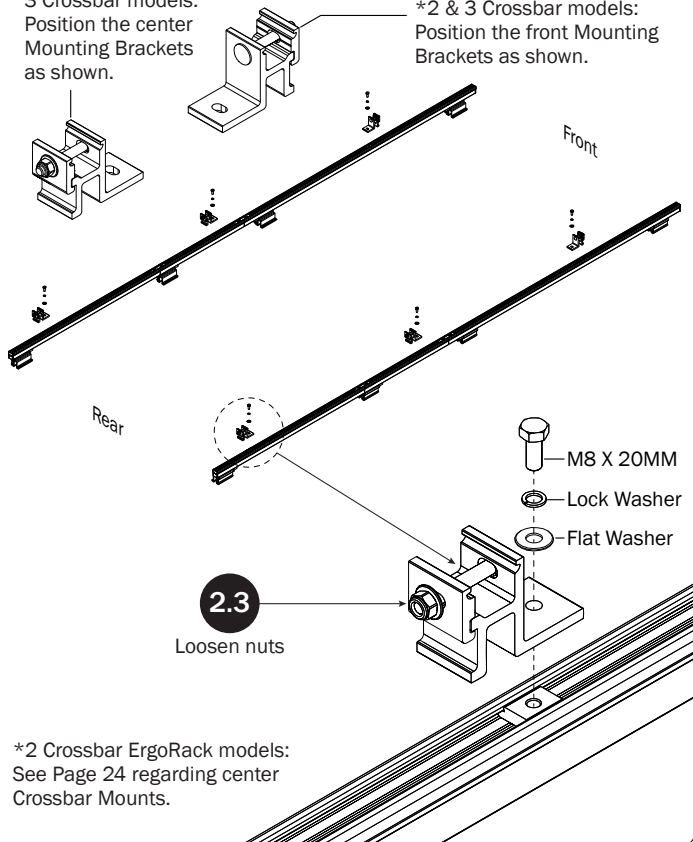
Slide the remaining Aluminum Strip Nuts into each end of the Channels, and attach the Channel Caps

**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

3 Crossbar models:
Position the center
Mounting Brackets
as shown.

*2 & 3 Crossbar models:
Position the front Mounting
Brackets as shown.

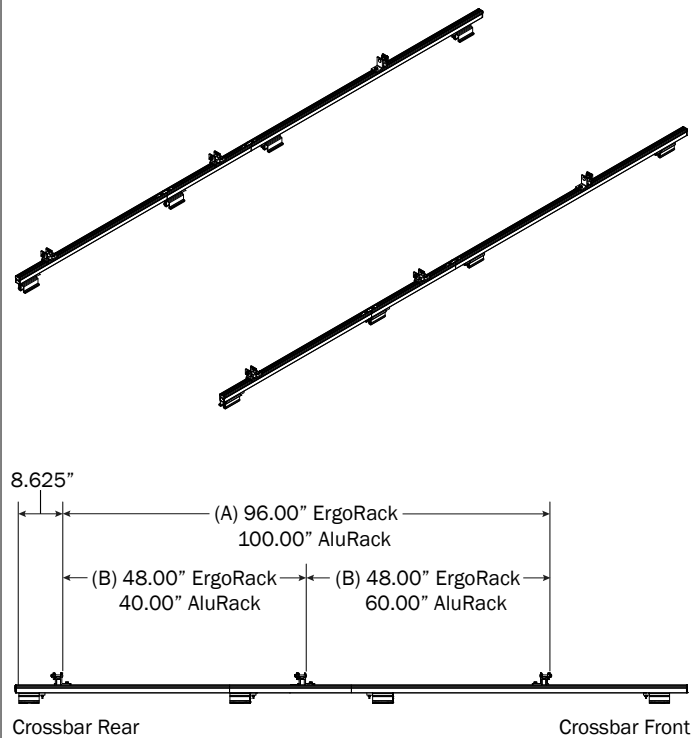


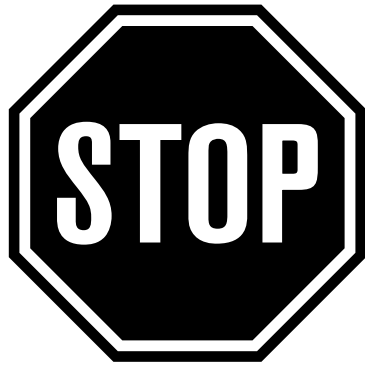
*2 Crossbar ErgoRack models:
See Page 24 regarding center
Crossbar Mounts.

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.

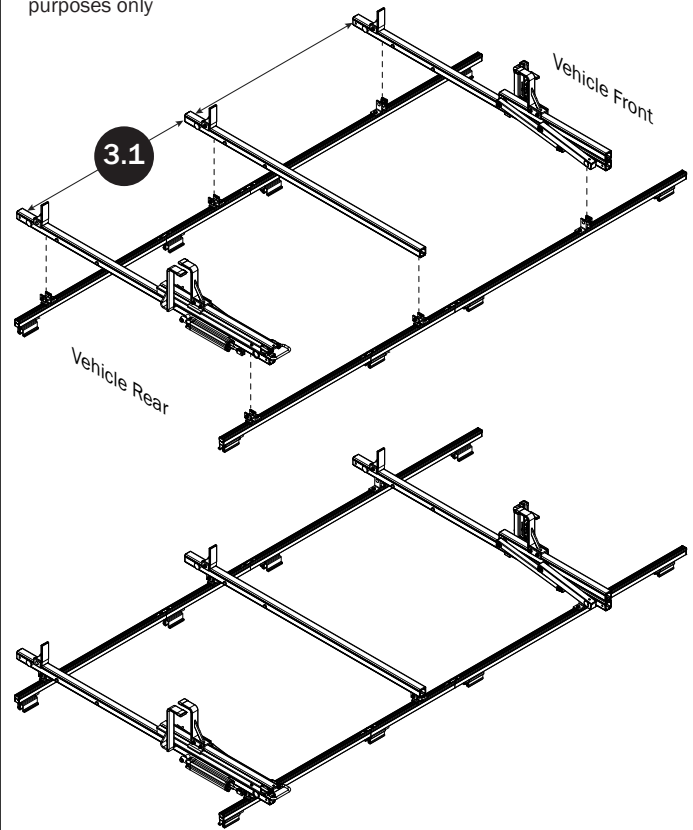
Refer to the respective FEA Assembly Manual(s) included with your chosen rack configuration features. Depending upon the features chosen, you may need to perform a complete feature assembly onto the Crossbars as noted in that feature's Assembly Manual.

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.

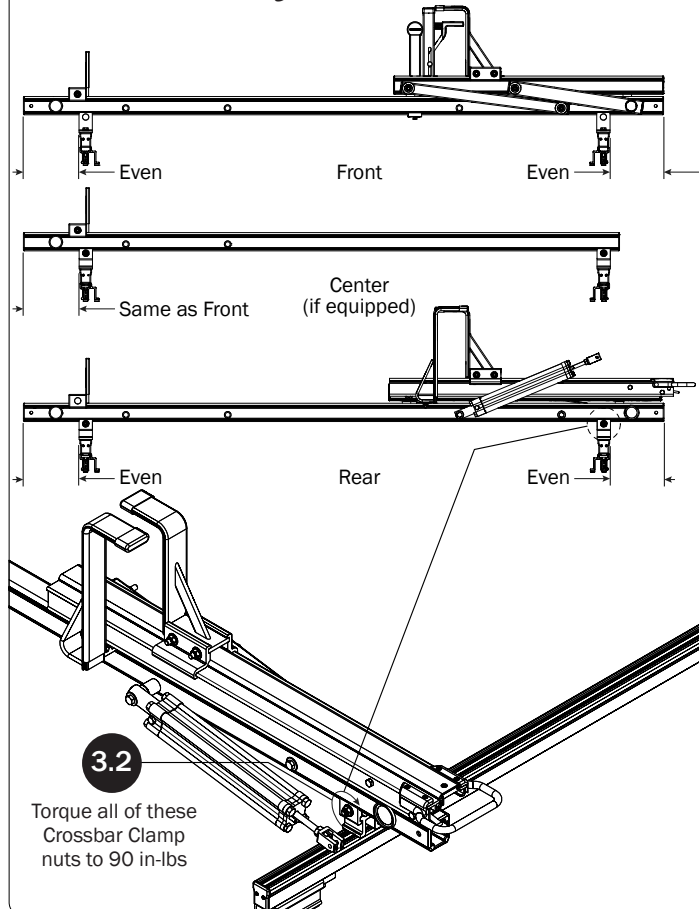
NOTE: Base, Clamp Down, or Rotation features are not included in this FBM kit, and must be purchased separately. To purchase applicable features and accessories, please contact your authorized distributor, or a Prime Design Sales & Service Representative.

CROSSBARS (ERGORACK)

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

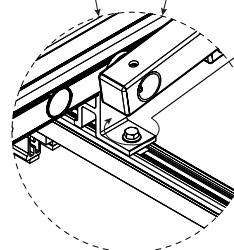
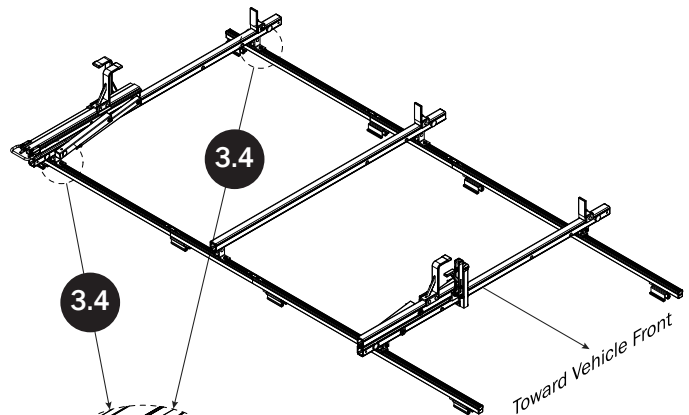
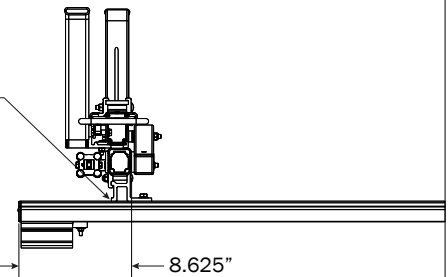


CROSSBAR ADJUSTMENT



3.3

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

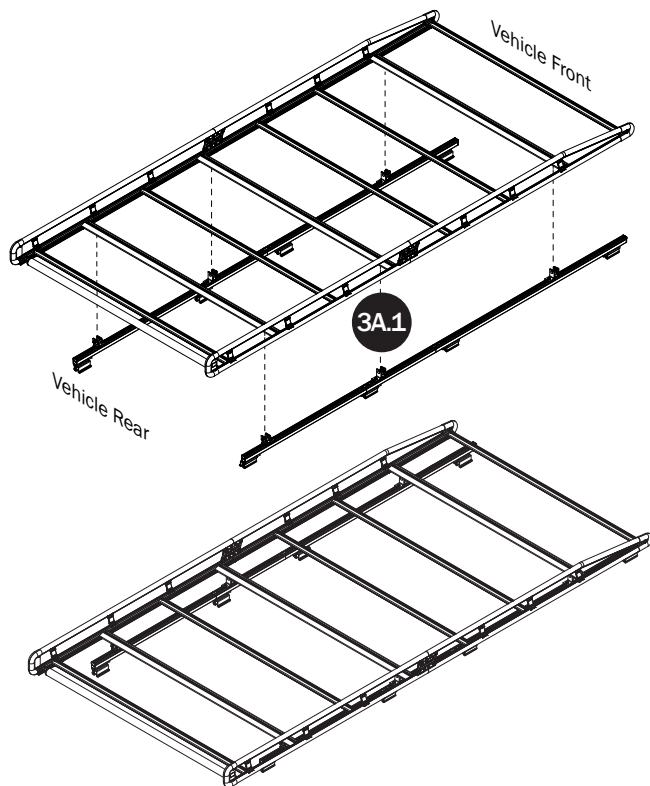


Torque only the Rear Crossbar Mounting Bracket bolts to 90 in-lbs at this time.

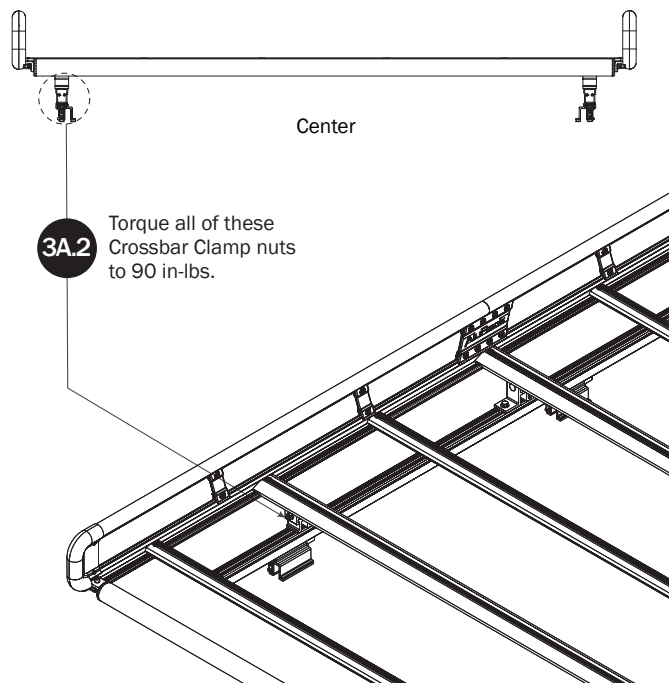
The Center (if equipped) and Front Crossbar Mounting Brackets will be torqued to specification when designated in the respective Feature (FEA) Assembly Manual.

CROSSBARS (ALURACK)

Shown with L4H2 AluRack
for illustrative purposes only

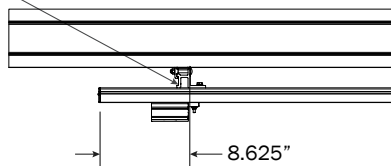


CROSSBAR ADJUSTMENT



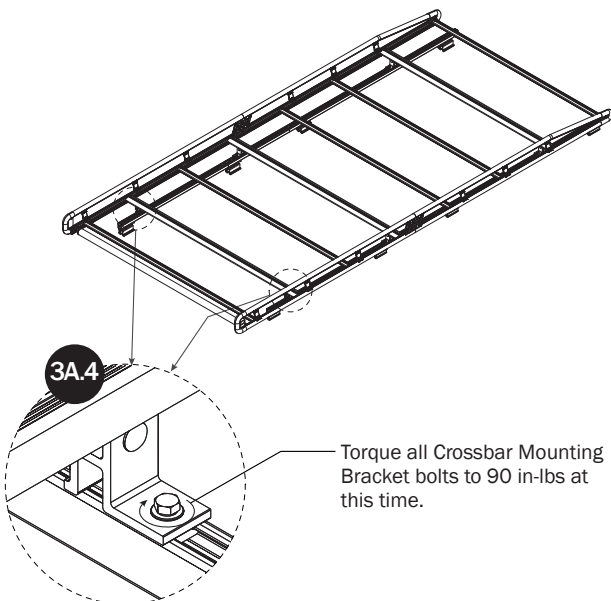
3A.3

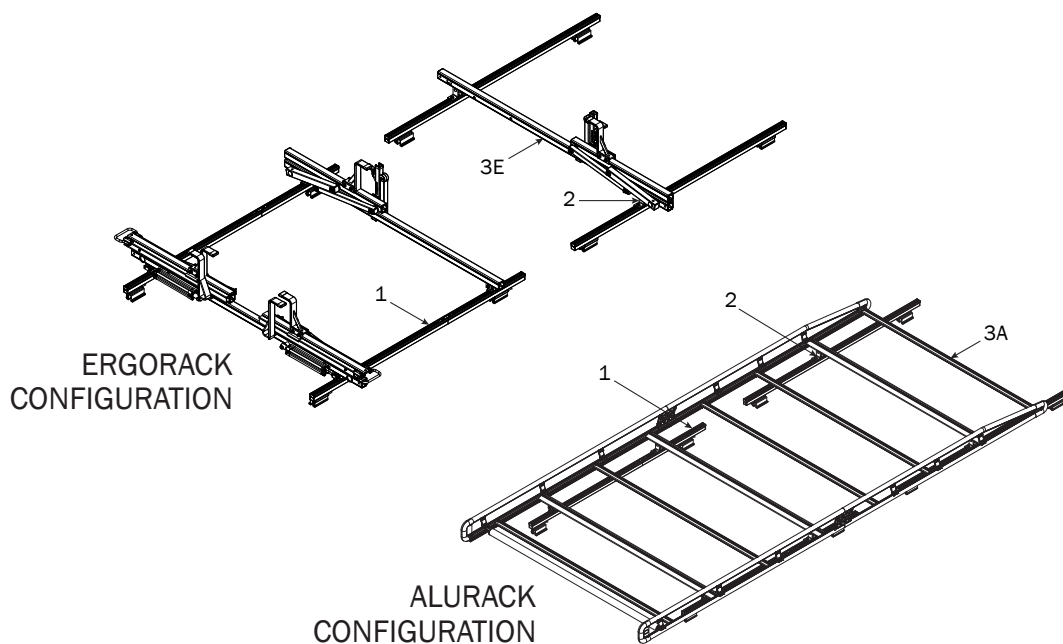
Verify the specified distance from the ends of both Mounting Bracket to the ends of both Channels.



3A.4

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

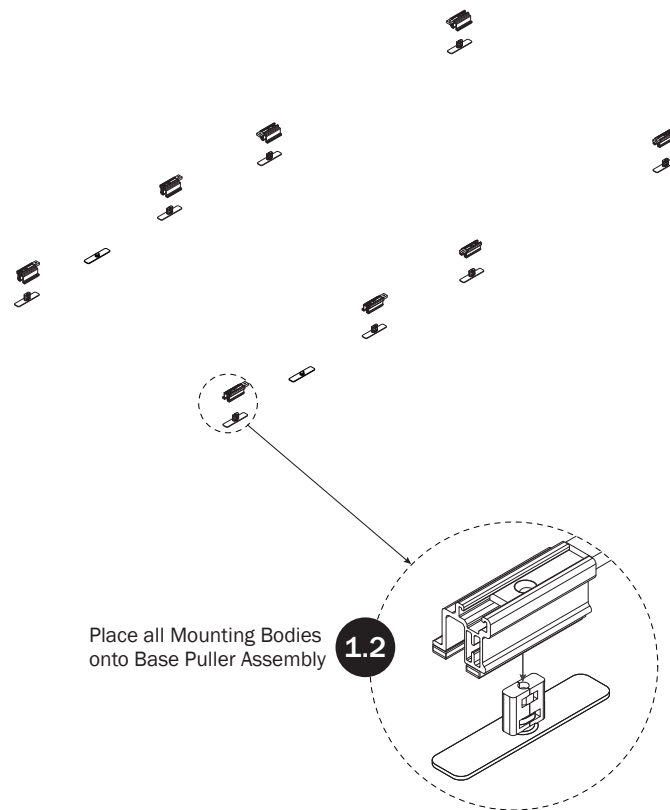
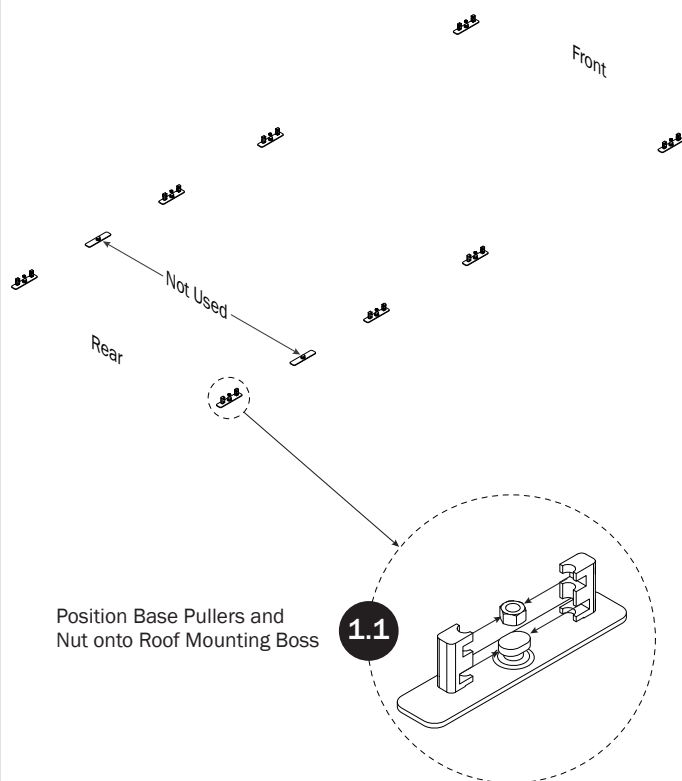


L5H2 (159.00"+) FBM ASSEMBLY SEQUENCE

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.

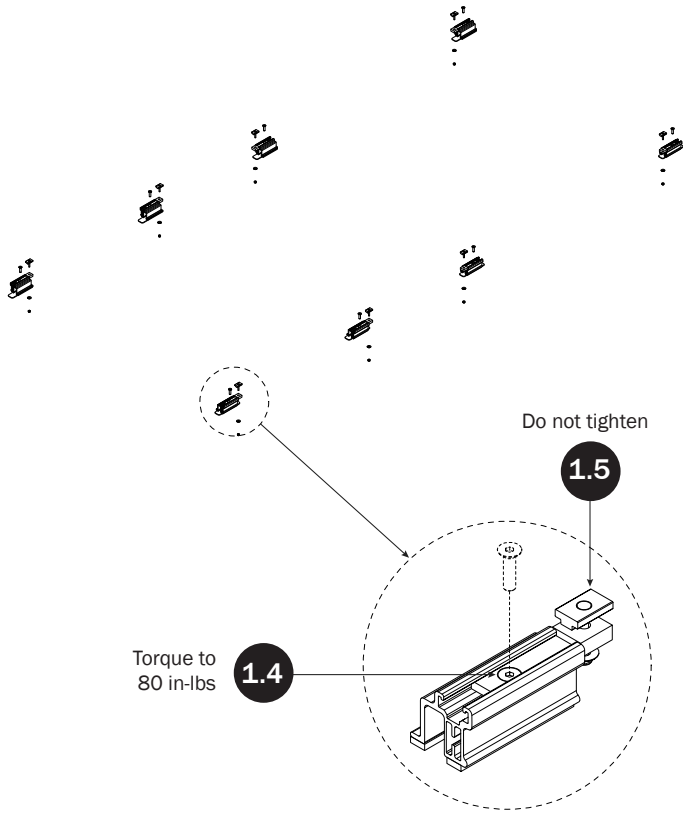
CHANNEL MOUNTINGS

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.



Do not tighten

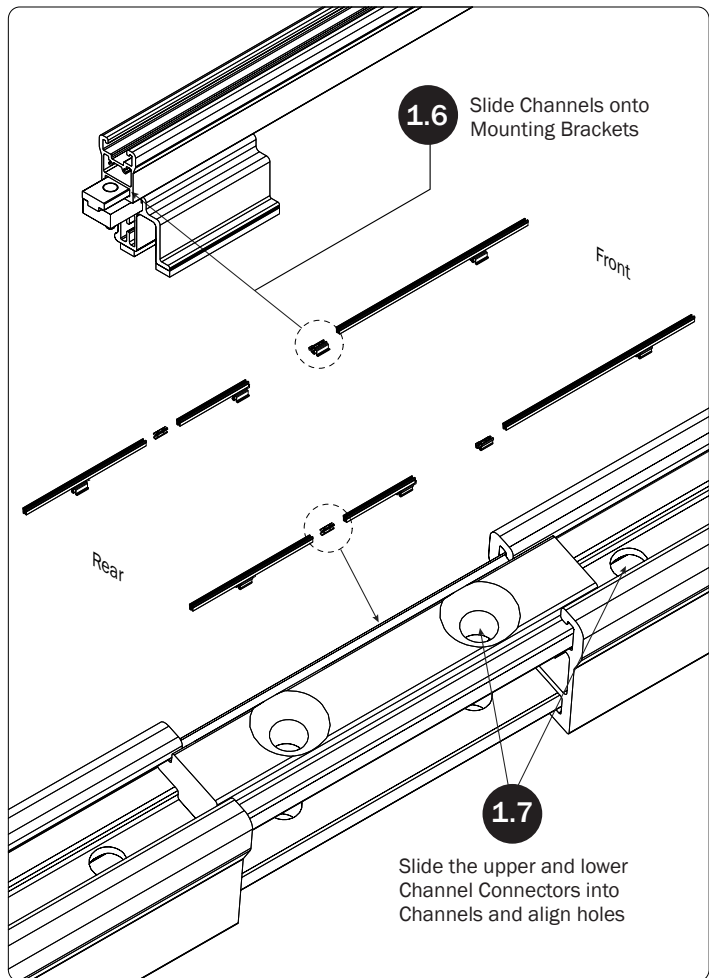
1.5

Torque to
80 in-lbs

1.4

1.6

Slide Channels onto
Mounting Brackets



Front

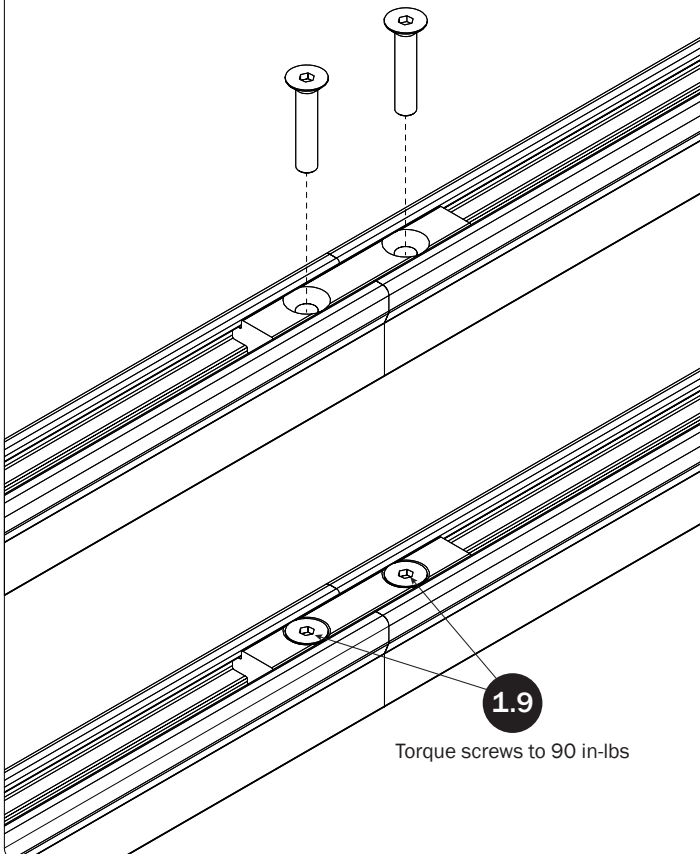
Rear

1.7

Slide the upper and lower
Channel Connectors into
Channels and align holes

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

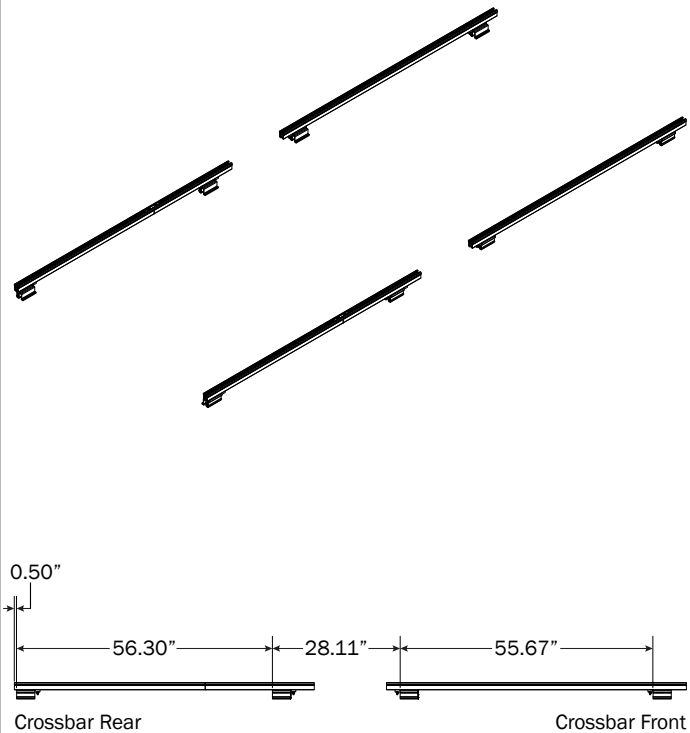


1.9

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



0.50"

56.30"

28.11"

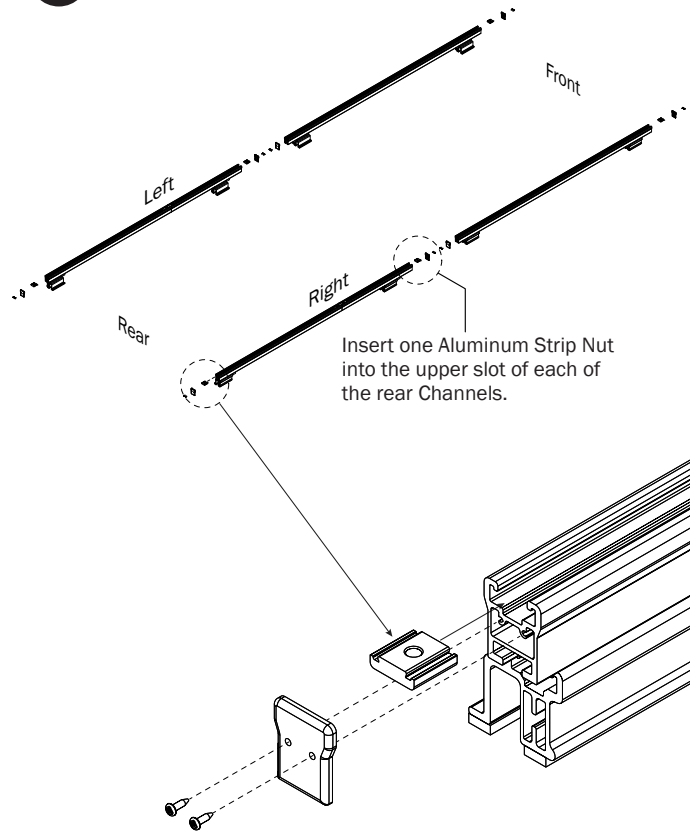
55.67"

Crossbar Rear

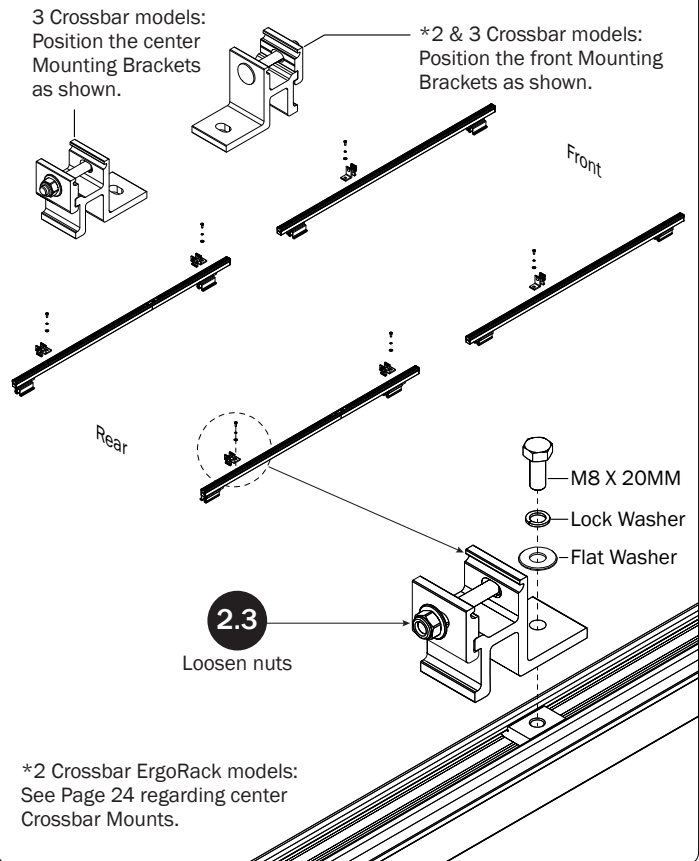
Crossbar Front

MOUNTING BRACKETS

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

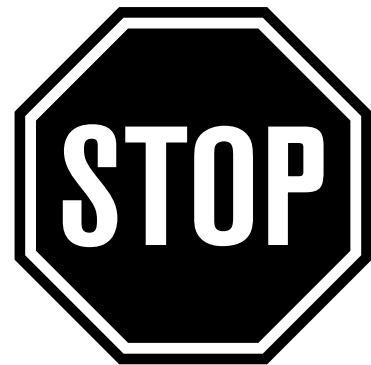
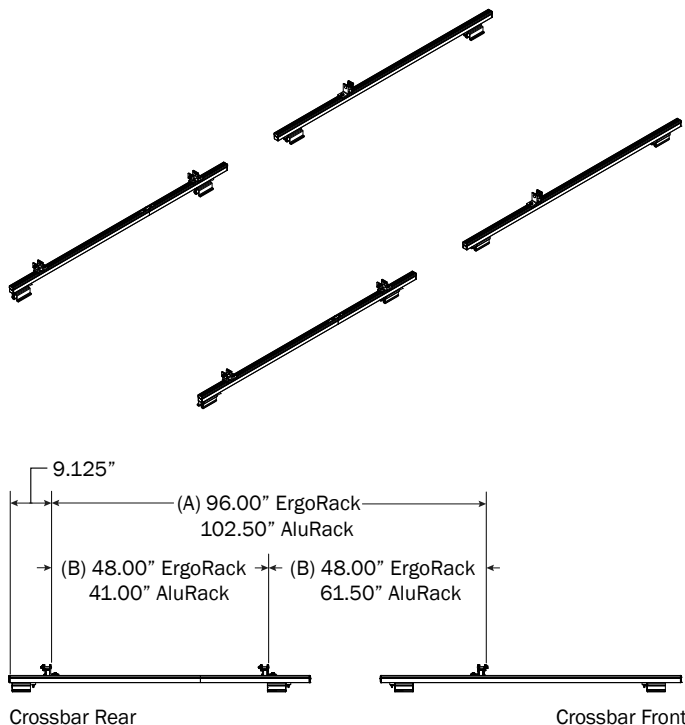


- 2.2** Using the supplied fastening hardware, attach the Crossbar Mounting Brackets into the Aluminum Strip Nuts placed into the Channels at Step 2.1



- 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.

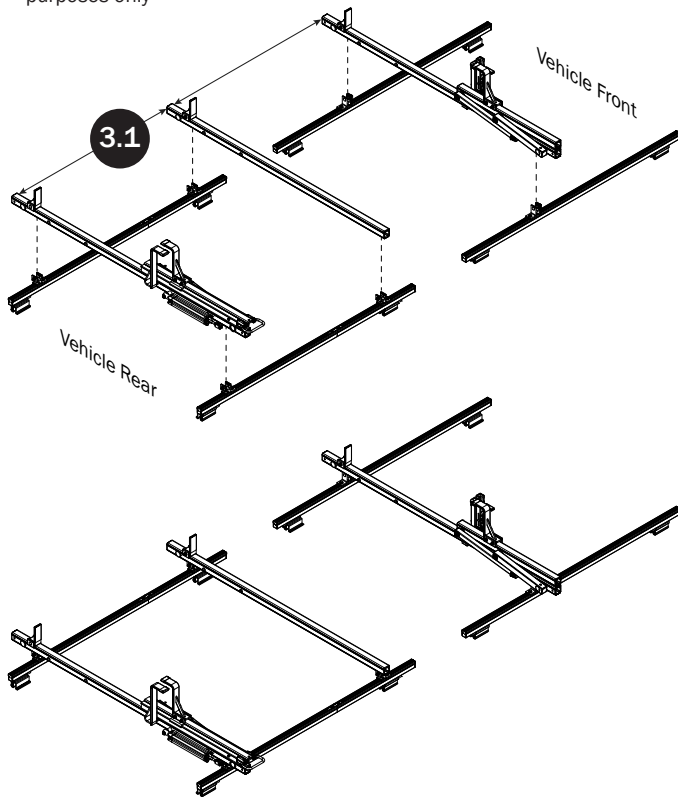
Refer to the respective FEA Assembly Manual(s) included with your chosen rack configuration features. Depending upon the features chosen, you may need to perform a complete feature assembly onto the Crossbars as noted in that feature's Assembly Manual.

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.

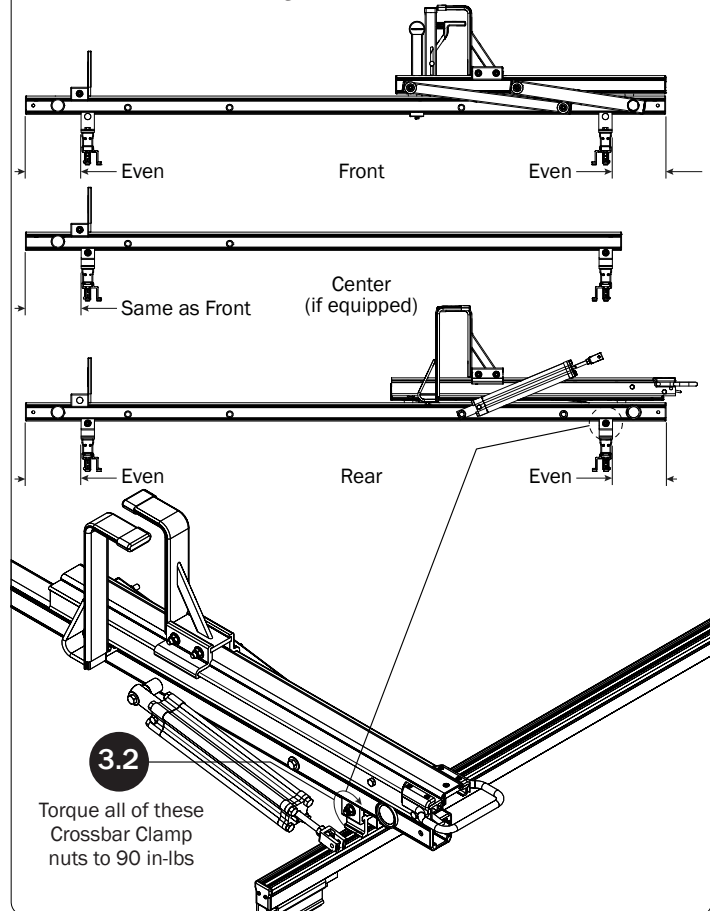
NOTE: Base, Clamp Down, or Rotation features are not included in this FBM kit, and must be purchased separately. To purchase applicable features and accessories, please contact your authorized distributor, or a Prime Design Sales & Service Representative.

CROSSBARS (ERGORACK)

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

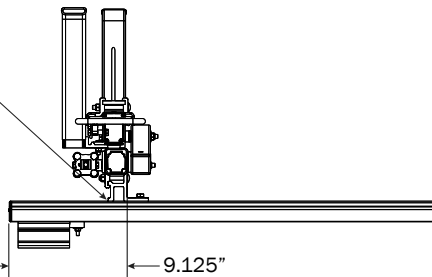


CROSSBAR ADJUSTMENT



3.3

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



3.4

3.4

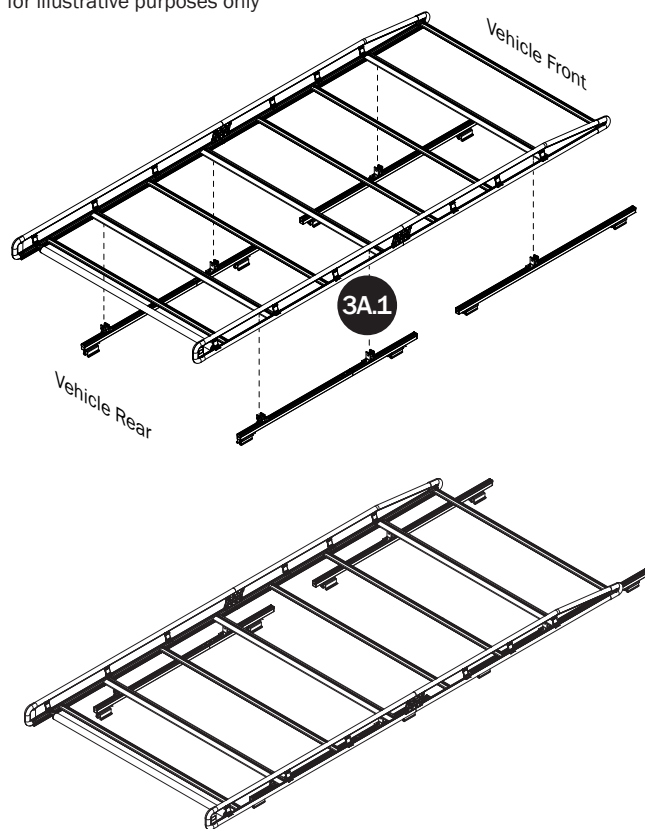
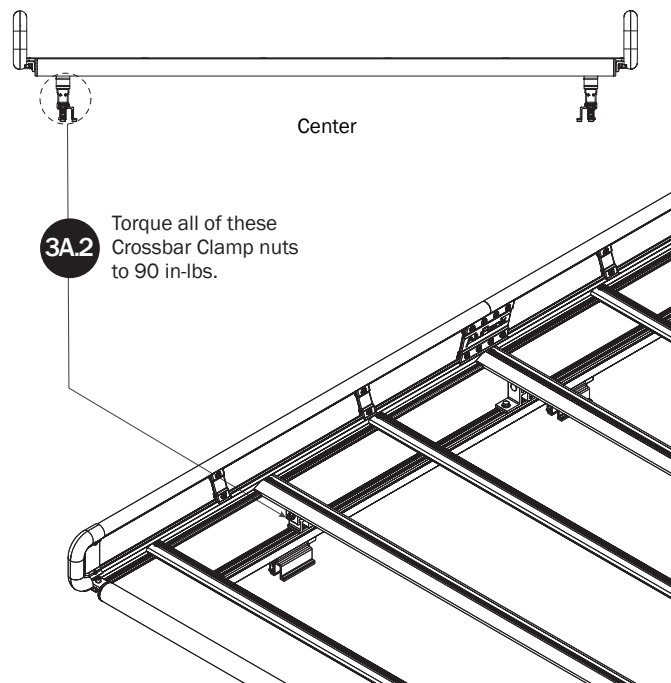
Toward Vehicle Front

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

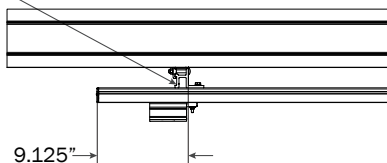
The Center (if equipped) and Front
Crossbar Mounting Brackets will
be torqued to specification when
designated in the respective Feature
(FEA) Assembly Manual.

CROSSBARS (ALURACK)

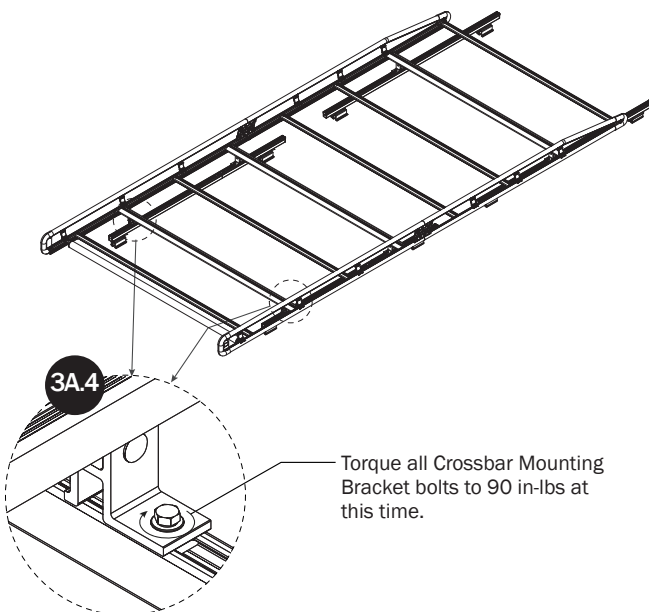
Shown with L5H2 AluRack
for illustrative purposes only

**CROSSBAR
ADJUSTMENT****3A.3**

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



9.125"

**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.

