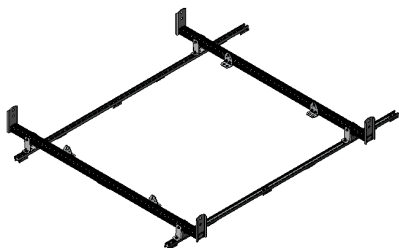
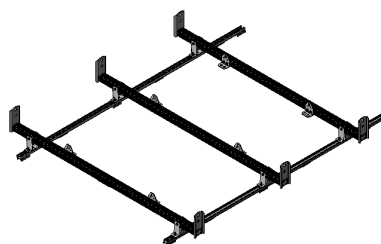


INSTALLATION GUIDE

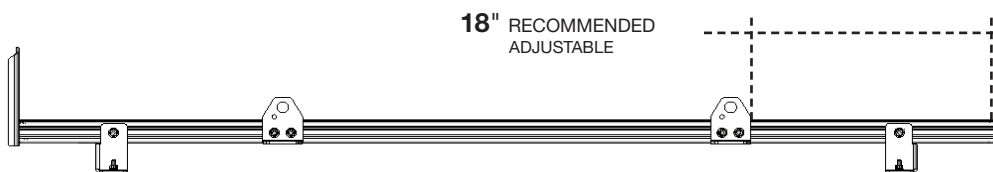
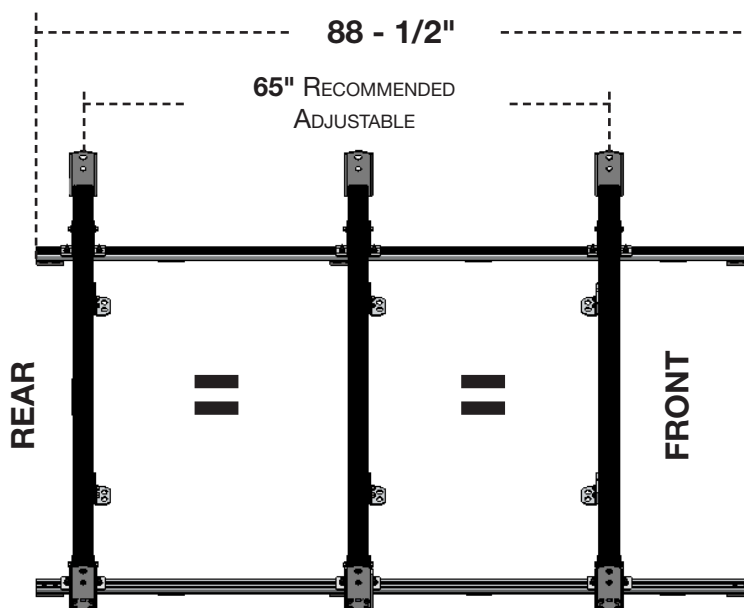
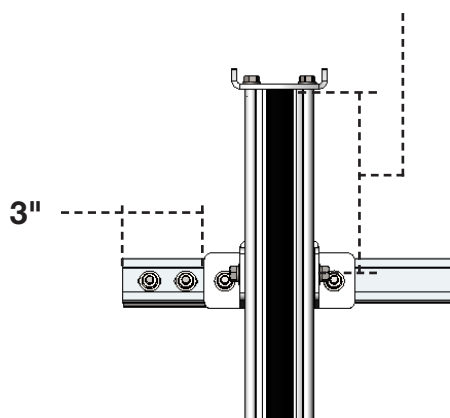
1605-PHS



1605-PHS3



7 - 1/16" (CENTER OF THE FEET TO THE END OF THE CROSSBAR)

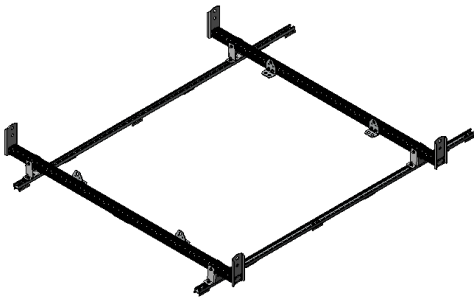


1605-PHS or 1605-PHS3 CARGO RACK

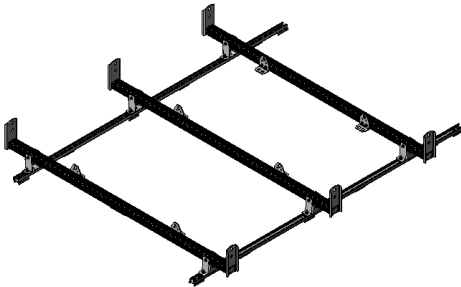
ProMaster 118" Wheelbase



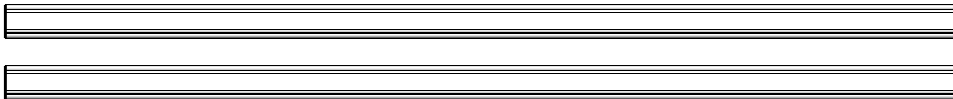
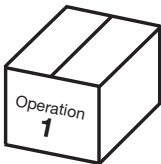
1605-PHS



1605-PHS3

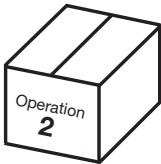


16-UCD72



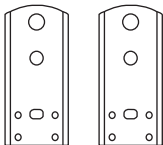
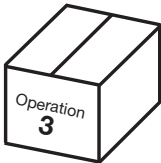
Applicable only for 3 bars
rack (1605-PHS3).

16-UCS72

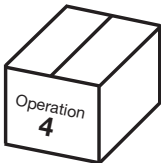


1 Cargo Rack kit for 1 crossbar

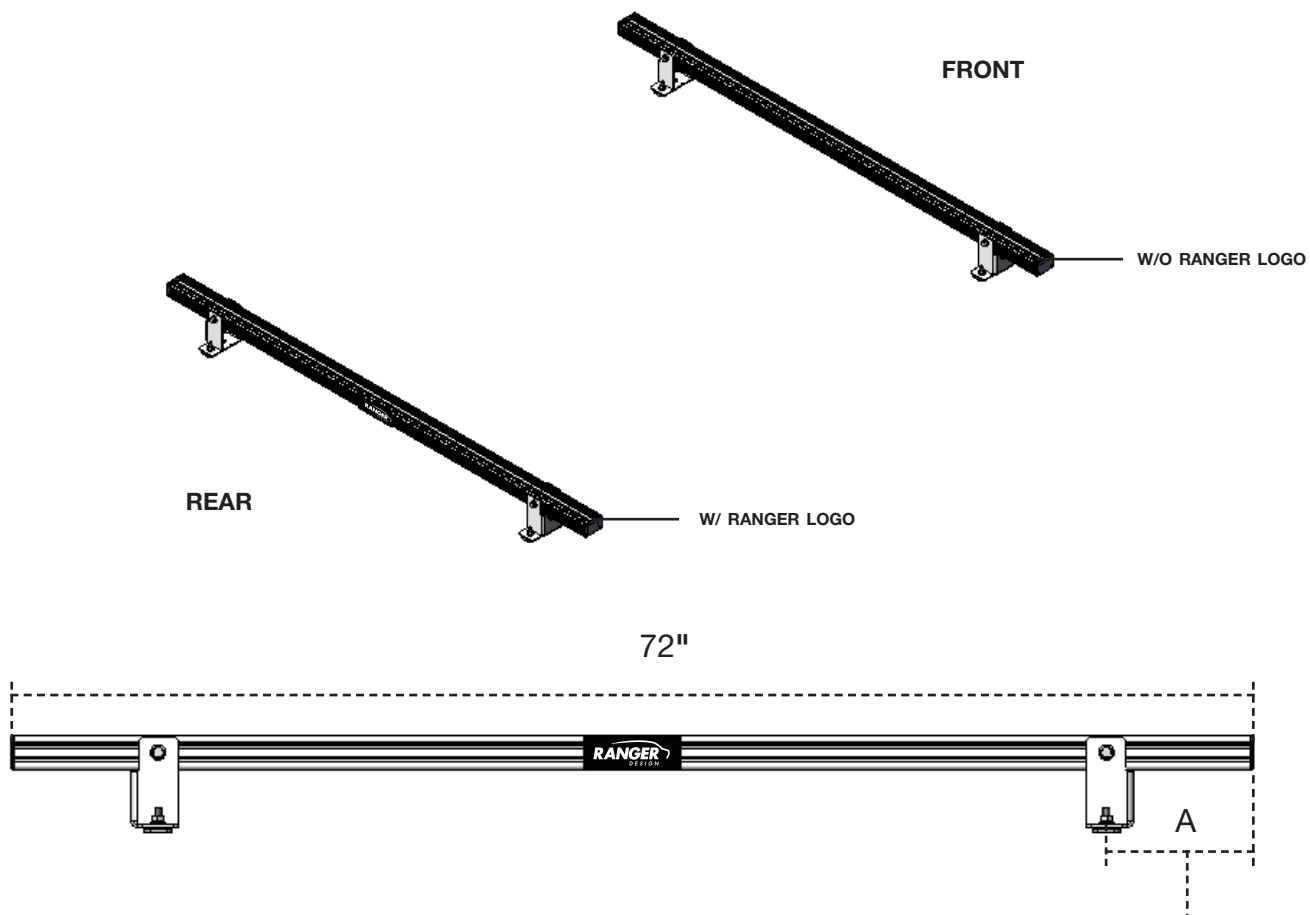
16-U0005



18-U0020



INSTALLATION GUIDE



FOOT PLACEMENT GUIDE

VEHICLE	DIMENSION (A)
NISSAN NV	7"
SPRINTER	10" ^{HR} , 6 - 1/2" ^{LF}
TRANSIT	8 - 7/8"
PROMASTER	7 - 1/16"

16-UCD72 Crossbar

2 BARS (72")



QUICK START GUIDE

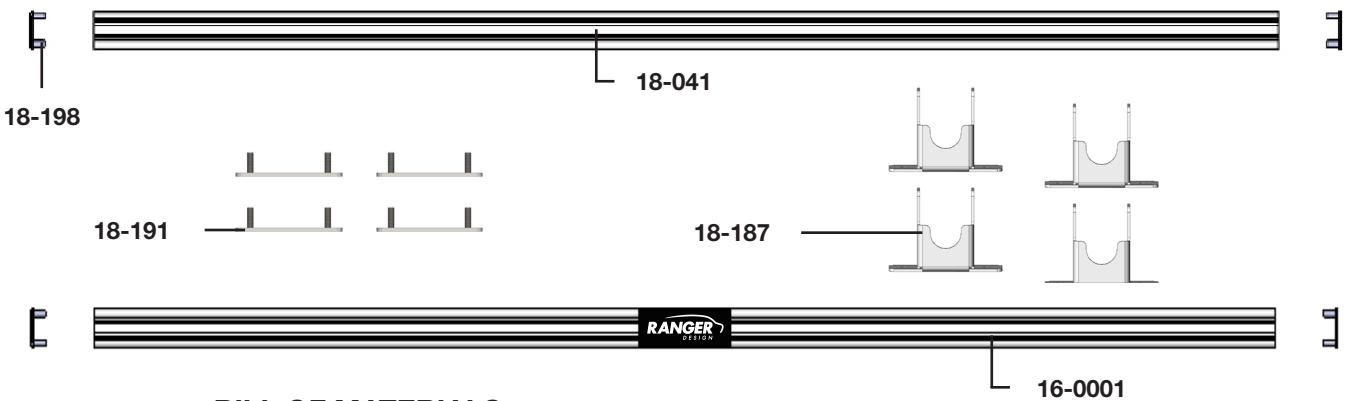
Phase 1 - Assembly

❑ 1.1.1 SETUP (VERIFY ALL PARTS ARE PRESENT).....	2
❑ 1.2.1 ASSEMBLY (PUT THE CROSSBAR IN THE TABLE).....	3

PHASE 1 – ASSEMBLY

1.1 SETUP

1.1.1 Verify all parts are present.



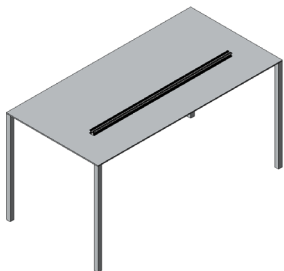
BILL OF MATERIALS

Item No.	Description	Qty.
18-187	Foot	4
18-041	Crossbar 72"	1
16-0001	Crossbar 72" w/ Ranger Logo	1
18-198	End Plastic Plug	4
18-191	Stud Plate	4
94-1806	Fastener kit	1

PHASE 1 – ASSEMBLY

1.2 PREPARATION

1.2.1 Remove one crossbar from the box and put the crossbar on the table.



NOTE:

OPEN THE NEXT BOX AND FOLLOW THE INSTALL GUIDE
INSIDE THE BOX ON HOW TO ASSEMBLED YOU RACK.

INSTALLATION GUIDE



FOOT PLACEMENT GUIDE

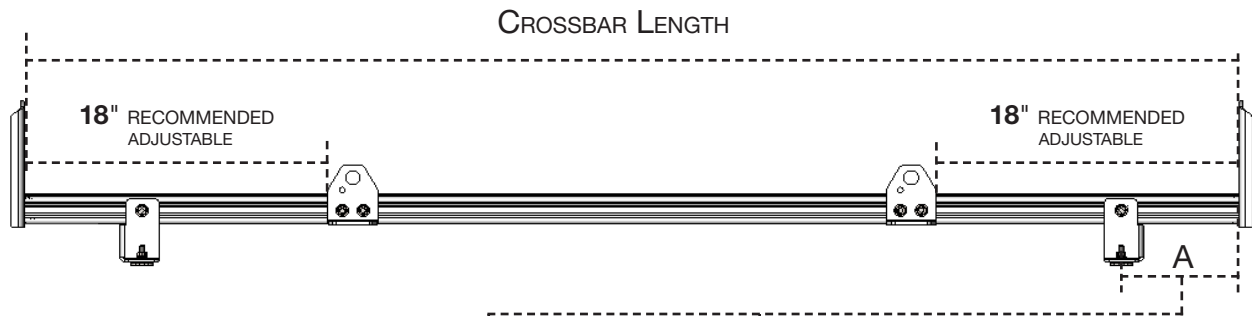
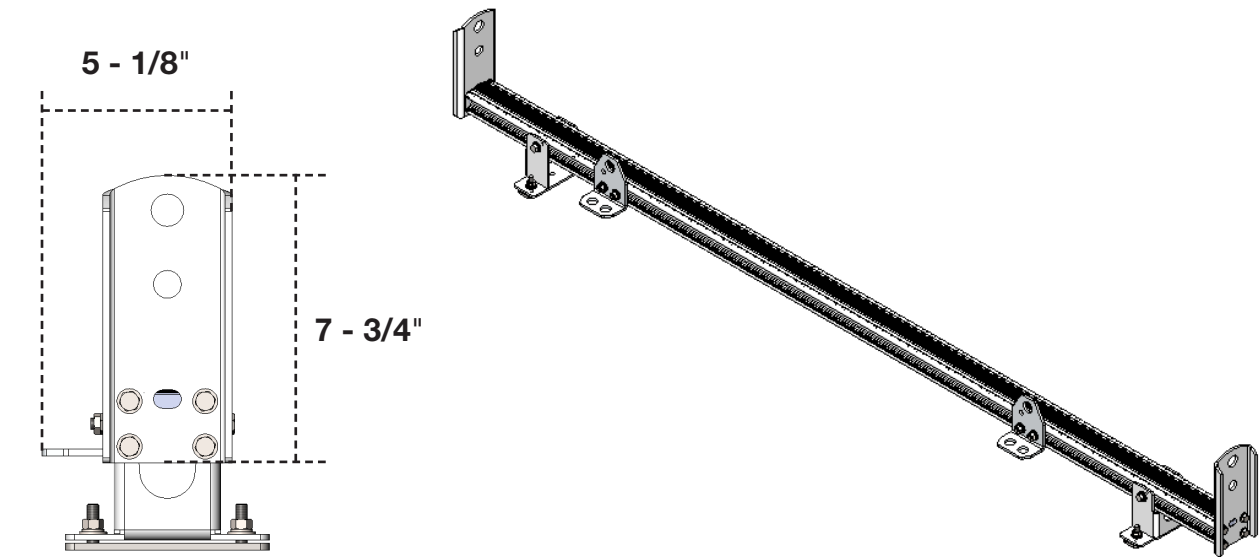
VEHICLE	DIMENSION (A)
NISSAN NV	7"
SPRINTER	10" ^{HR} , 6 - 1/2" ^{LF}
TRANSIT	8 - 7/8"
PROMASTER	7 - 1/16"

16-UCS72 Crossbar

1 BAR (72")



INSTALLATION GUIDE



FOOT PLACEMENT GUIDE	
VEHICLE	DIMENSION (A)
NISSAN NV	7"
SPRINTER	10" _{HR} , 6 - 1/2" _{LF}
TRANSIT	8 - 7/8"
PROMASTER	7 - 1/16"

FOOT PLACEMENT GUIDE	
VEHICLE	DIMENSION (A)
METRIS	6 - 1/4"
PROMASTER CITY	6 - 7/8"
TRANSIT CONNECT	6 - 3/4"
NV200	7 - 3/4"

16-U0005 CARGO RACK KIT - SINGLE CROSSBAR

Crossbar not included in the Kit

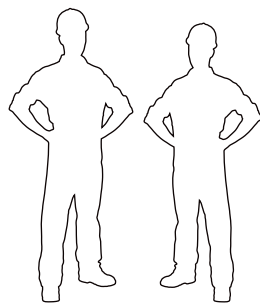


QUICK START GUIDE

Phase 1 - Assembly

❑ 1.1.1 SETUP (VERIFY ALL PARTS ARE PRESENT).....	2 TO 4
❑ 1.2.1 ASSEMBLY (ATTACH TIE DOWNS, BRACKET - SIDE AND TRACK PLUG).....	5
❑ 1.2.2 ASSEMBLY (ATTACH CROSSBAR TO THE MOUNTING TRACK).....	6 - 7

REQUIRED ITEMS



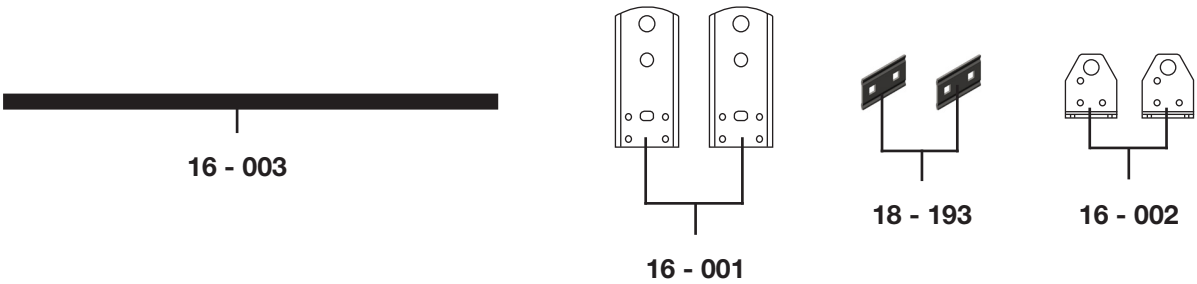
2
PERSONS

- ❑ Cordless Impact
- ❑ Ratchet
- ❑ Tape Measure
- ❑ Marker
- ❑ Ladder
- ❑ 1/2" Wrench
- ❑ 1/2" Socket

PHASE 1 – ASSEMBLY

1.1 SETUP

1.1.1 Verify all parts are present.



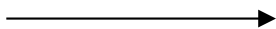
VERIFY ALL PARTS ARE PRESENT

Item No.	Description	Qty.
16-001	BRACKET - SIDE, CARGO	2
16-002	TIE DOWN	2
16-003	TRACK PLUG (72")	1
18-193	INSERT PLATE	2
96-4805	CUSTOMER INSTALL FASTENER KIT	1

VERIFY ALL PARTS ARE PRESENT

FASTENER BAGS.

96-4805



Fastener Assembly

8x



90-998

Hex Bolt
5/16" - 18 x 3/4"
SS304

4x



90-491

Carriage Bolt
5/16"-18 x 1"
SS304

4x



94-105

Hex Nut
5/16"
SS316 WAX

4x



98-117

Flat Washer
5/16" OD, 3/4"
SS18-8

4x



98-123

Lock Washer
5/16"
SS304

8x



#90-998 Hex Bolt 3/4"

4x



#90-491 Hex Bolt 1"



#98-123 Lock Washer



#98-117 Flat Washer



#94-105 Hex Nut

3 DIFFERENT WAYS TO ATTACH TIE DOWN.

RECOMENDED SETUP



FOR LADDER



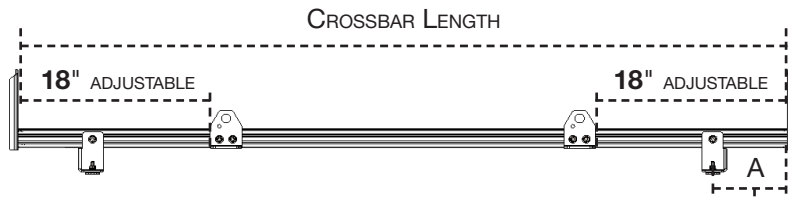
TOP FLUSHED



PHASE 1 – ASSEMBLY

1.2 ASSEMBLY

1.2.1 Attach tie downs, bracket - side, track plug and feet to the crossbar.



NOTE:

- Attach the track plug on top of the crossbar from end to end.
- Attach tie downs 1st followed by the feet and then the bracket - end.

FOOT PLACEMENT GUIDE

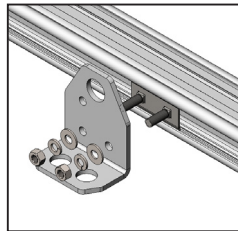
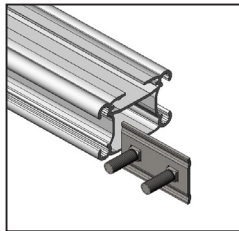
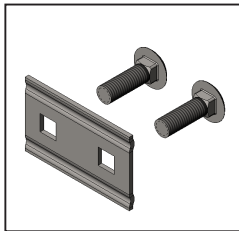
VEHICLE	DIMENSION (A)
NISSAN NV	7"
SPRINTER	10" HR, 6 - 1/2" LF
TRANSIT	8 - 7/8"
PROMASTER	7 - 1/16"

FOOT PLACEMENT GUIDE

VEHICLE	DIMENSION (A)
METRIS	6 - 1/4"
PROMASTER CITY	6 - 7/8"
TRANSIT CONNECT	6 - 3/4"
NV200	7 - 3/4"

TOOLS

- ☐ Ratchet
- ☐ 1/2" Socket

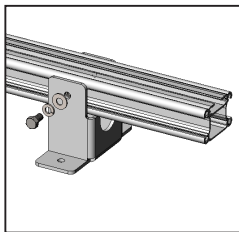


FASTENERS USED

4x (17 ft • lbs)



- #90-491 Hex Bolt 1"
- #98-123 Lock Washer
- #98-117 Flat Washer
- #94-105 Hex Nut



TOOLS

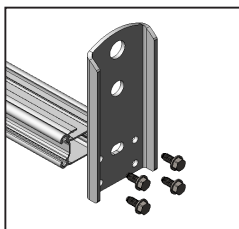
- ☐ Cordless Impact
- ☐ 1/2" Socket

FASTENERS USED

4x (CROSSBAR FASTENER KIT) (17 ft • lbs)



- #90-203 Hex Bolt 5/8"
- #98-123 Lock Washer 5/16"
- #98-117 Flat Washer 5/16"
- #94-250 Channel Nut 5/16"



TOOLS

- ☐ Cordless Impact
- ☐ 1/2" Socket

FASTENERS USED

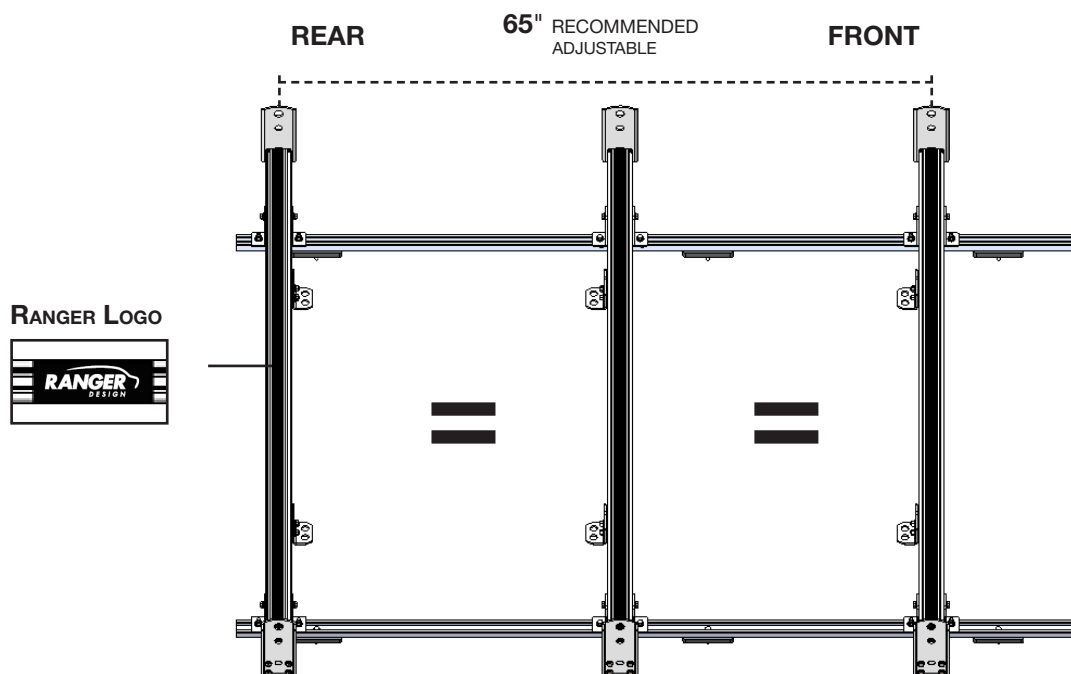
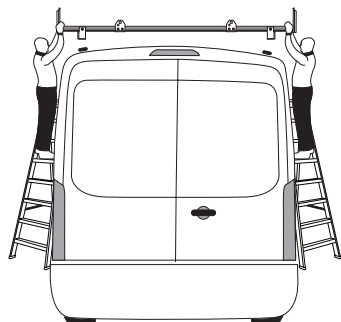
8x (17 ft • lbs)



- #90-998 Hex Bolt 3/4"

1.2.2 Attach the crossbar to the mounting track.

NOTE: Place the crossbar w/ Ranger logo on the rear.



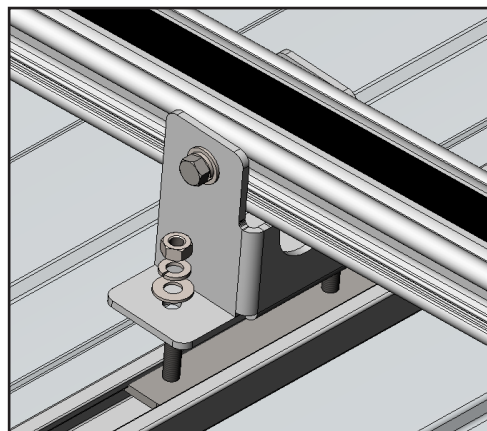
TOOLS

- Ratchet
- 1/2" Socket

FASTENERS USED

4x ONE CROSSBAR (17 ft • lbs)

- | | |
|---|---------------------|
|  | #94-105 Hex Nut |
|  | #98-123 Lock Washer |
|  | #98-117 Flat Washer |



INSTALLATION GUIDE



18-U0020 MOUNTING TRACKS

Ram ProMaster (118" Wheelbase, Standard & High Roof)



QUICK START GUIDE

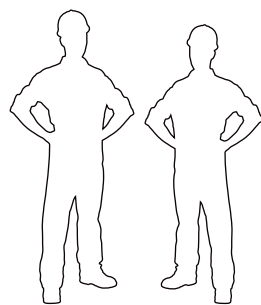
PHASE 1 - ASSEMBLY

1.1.1 SETUP (VERIFY ALL PARTS ARE PRESENT)..... 2 TO 3

PHASE 2 - INSTALLATION

2.1.1 INSTALLATION (INSTALL THE MOUNTING TRACK WITH PADS ON THE ROOF)..... 3 TO 4

REQUIRED ITEMS



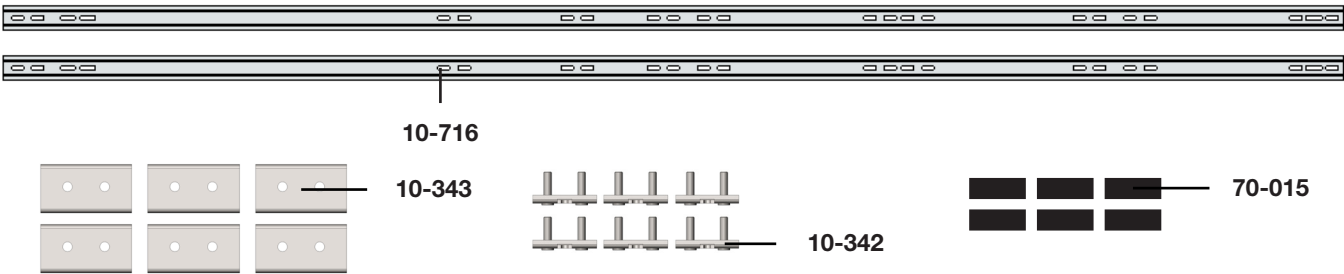
2
PERSONS

- ☐ Cordless Impact
- ☐ Tape Measure
- ☐ Ladder
- ☐ 1/2" Socket

PHASE 1 – ASSEMBLY

1.1 SETUP

1.1.1 Verify all parts are present.



VERIFY ALL PARTS ARE PRESENT

Item No.	Description	Qty.
10-716	Mounting Track 88.5" Long	2
10-342	Roof Clamp	6
10-343	Top Roof Clamp	6
70-015	Foam Sheet	6
96-0020	Fastener Kit	1

1.1.3 Identify the **Assembly** and **Installation** fastener bags.

96-0020

→

Fastener Assembly

12x



94-105

Hex Nut
5/16"-18
SS316wax

12x



98-117

Flat Washer
5/16" OD, 3/4"
SS18-8

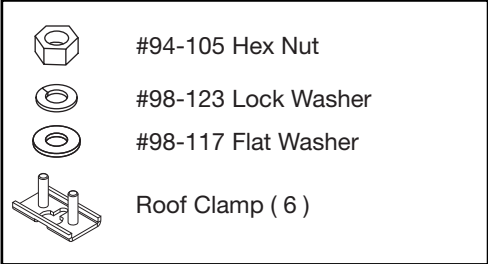
12x



98-123

Lock Washer
5/16"
SS304

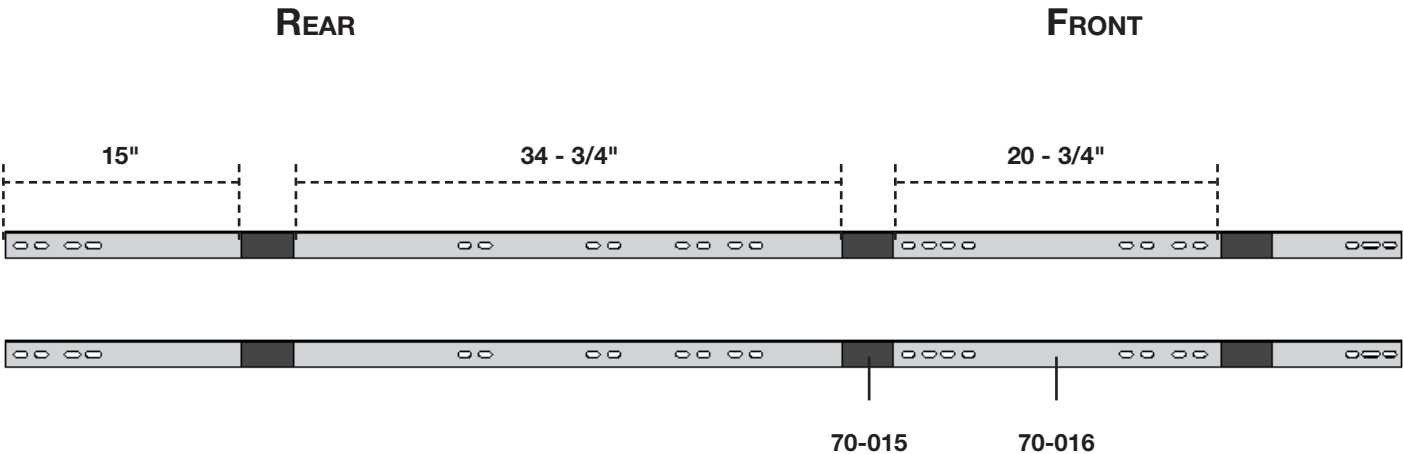
12x



PHASE 2 – INSTALLATION

2.1 MOUNTING TRACKS INSTALLATION

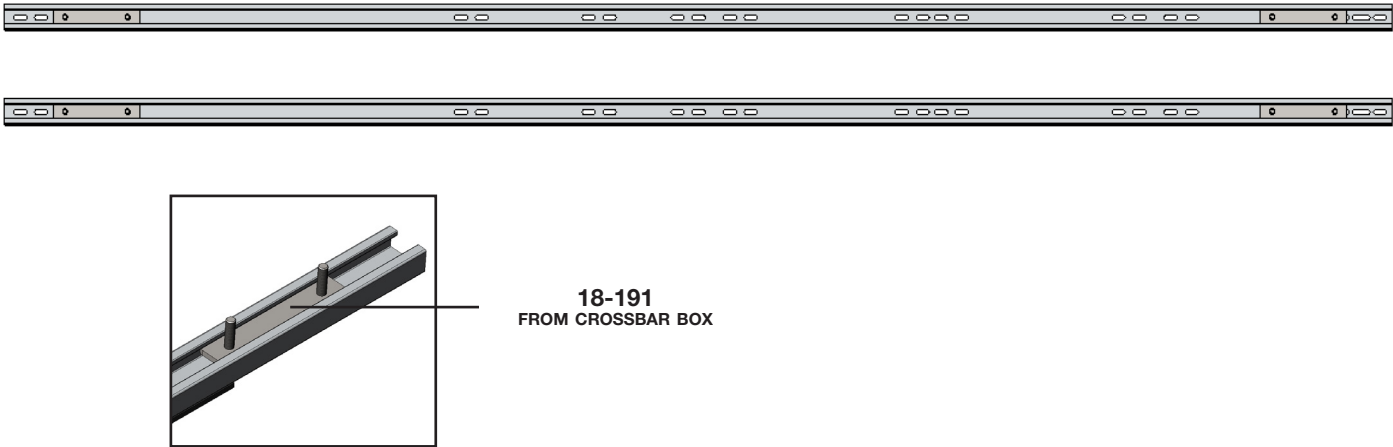
2.1.1 Attach the foam sheet under the mounting track.



2.1.2 Slide the stud plate on both ends of the mounting track.

REAR

FRONT



18-191
FROM CROSSBAR BOX

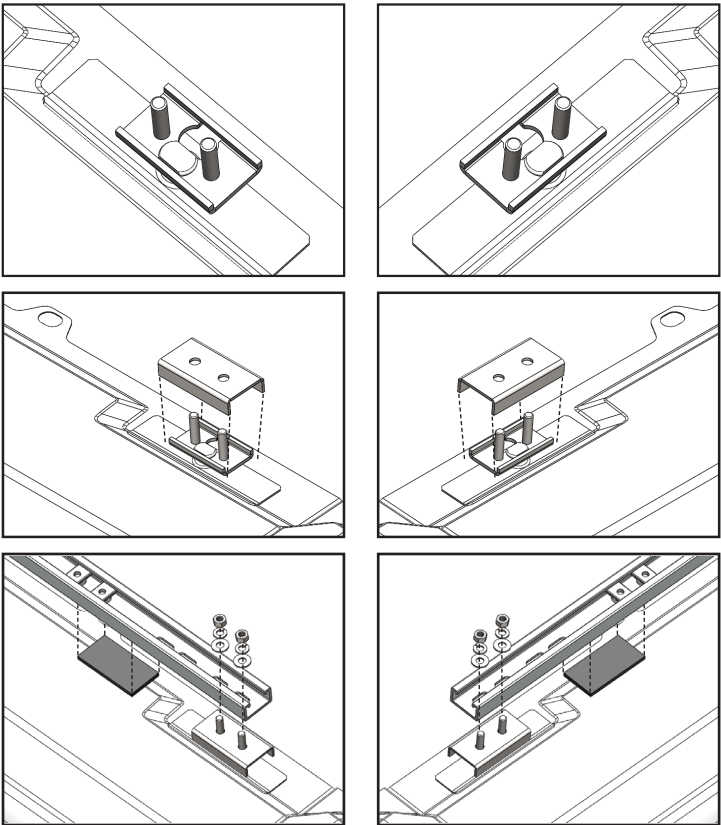
2.1.3 Install the mounting tracks onto the roof of the van.

NOTE: Notice the orientations of the roof clamps, top roof clamps and the mounting tracks.
The top roof clamp should lay flat on the roof clamp and not slant.

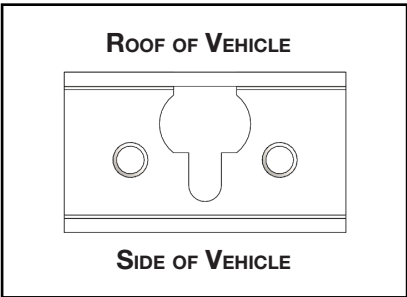
REAR VIEW

DRIVER SIDE

PASSENGER SIDE



ROOF CLAMP ORIENTATION



TOOLS

- ☐ Cordless Impact
- ☐ 1/2" Socket

FASTENERS USED

12x

	#94-105 Hex Nut
	#98-123 Lock Washer
	#98-117 Flat Washer
	Roof Clamp (6)

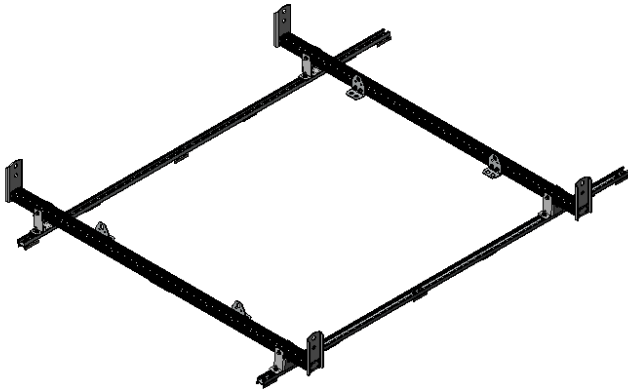


**“Congratulations, you have successfully installed your
Mounting Tracks
Thank you for doing business with us.”**

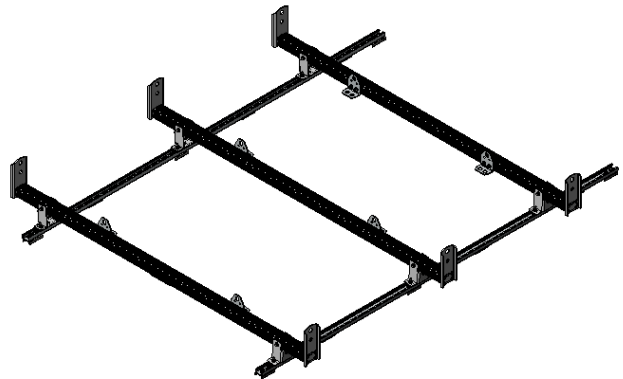
For any feedback or suggestions you might have, please contact: [**cs@rangerdesign.com**](mailto:cs@rangerdesign.com)



1605-PHS



1605-PHS3



**“Congratulations, you have successfully installed your
Cargo Rack on your vehicle!”**

Thank you for doing business with us.”

For any feedback or suggestions you might have, please contact: [**cs@rangerdesign.com**](mailto:cs@rangerdesign.com)

