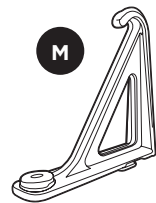
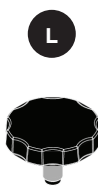
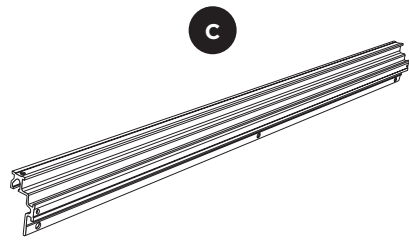
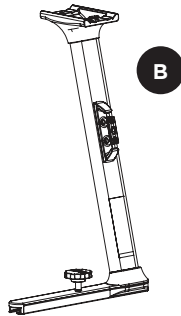
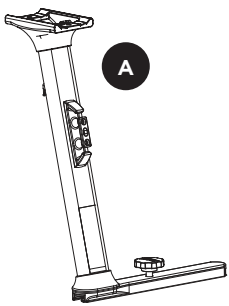
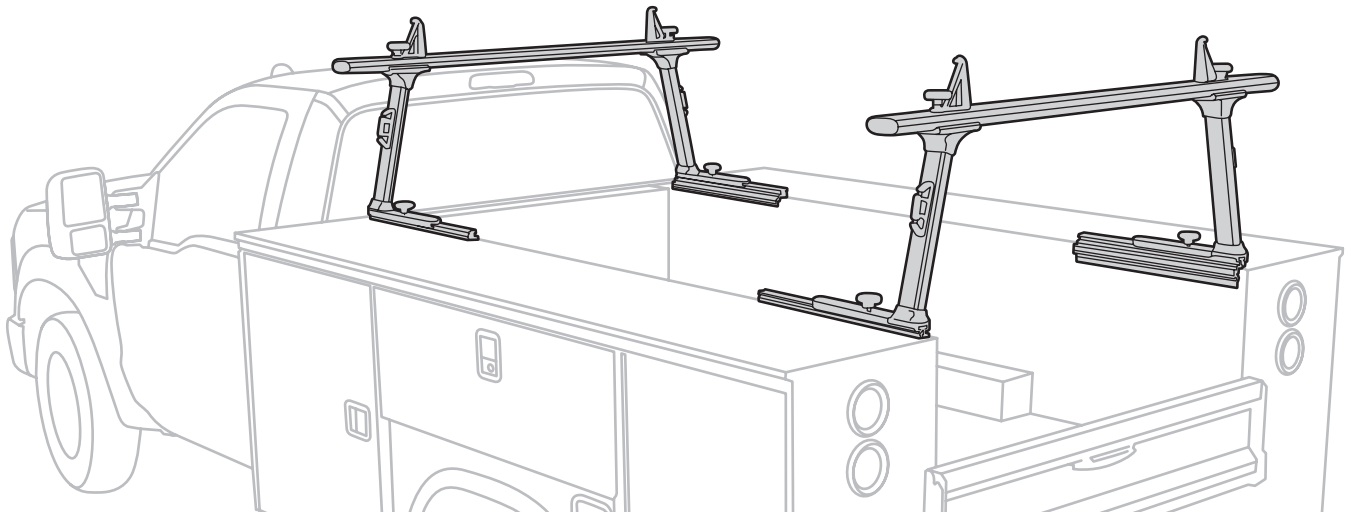
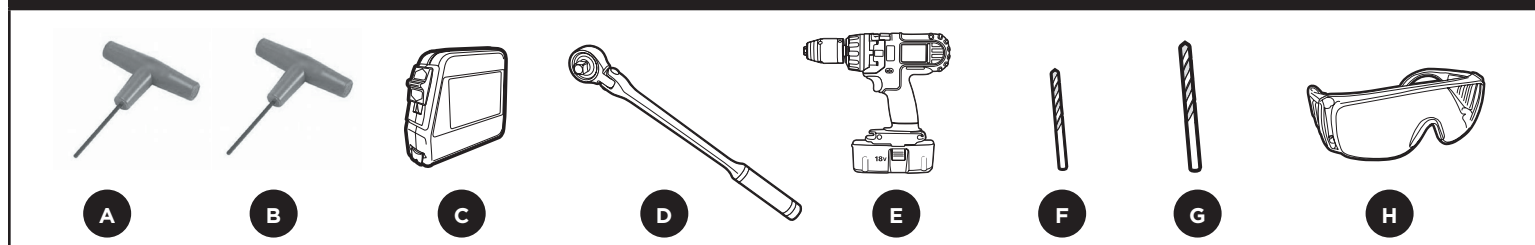


**PARTS INCLUDED**



part	description	qty.
A	upright assembly (left)	2
B	upright assembly (right)	2
C	base rail	4
D	cleat	2
E	crossbar end cap	4
F	3/8" safety bolt	8
G	crossbar	2
H	3/8"-16 x 0.625" button head cap screw (BHCS)	8
I	3/8"-16 square nut	8
J	1/4"-20 x 1.75" socket head cap screw (SHCS)	8
K	M6-1 socket head cap screw (SHCS)	4
L	trac knob	4
M	crossbar tiedown	4
N	t-bolt M8 x 26 mm	4
O	tiedown knob	4
P	t-bolt 3/8" x 1.25"	16
Q	rubber sealing washer	16
R	fender washer 3/8" x 1.5"	16
S	locking washer 3/8"	16
T	hex nut 3/8"	16

#### TOOLS THAT YOU WILL NEED



part	description
A	7/32" allen key*
B	3/16" allen key*
C	tape measure
D	torque wrench
E	drill
F	1/8" drill bit
G	13/32" drill bit
H	safety glasses

\*an allen key with a t-handle are best

\*\*please do not use an impact drill - a typical 12-18 volt drill is appropriate

#### TOOLS THAT WILL MAKE IT EASY

part	description
A	7/32" & 3/16" hex bit socket
B	1/4" socket adaptor

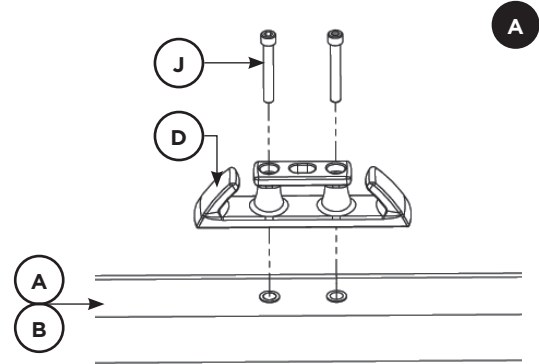
## WARNINGS / LIMITATIONS

- Install parts as shown on illustrations.
- Carrying high loads over rough roads with excess speed may damage the system.  
Good judgment must be exercised at all times.

# 1

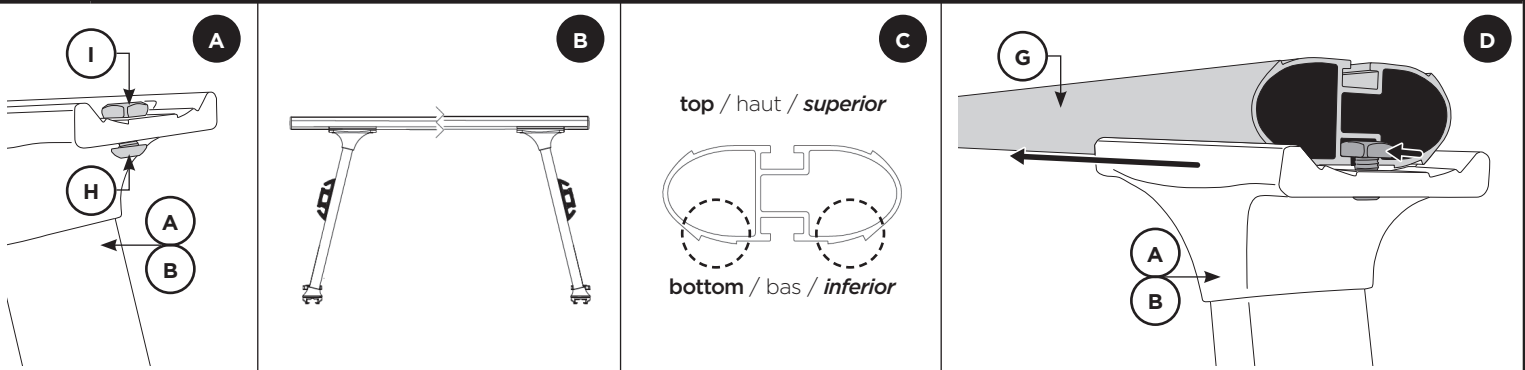
## CLEAT ASSEMBLY

1. Align cleat (D) to rivet nut and bolt to upright using 1/4"-20 x 1.75" socket head cap screw (SHCS) (J)
2. Torque to 6 ft-lbs. using 3/16 allen key.
3. Repeat for remaining uprights.



# 2

## CROSSBAR ASSEMBLY



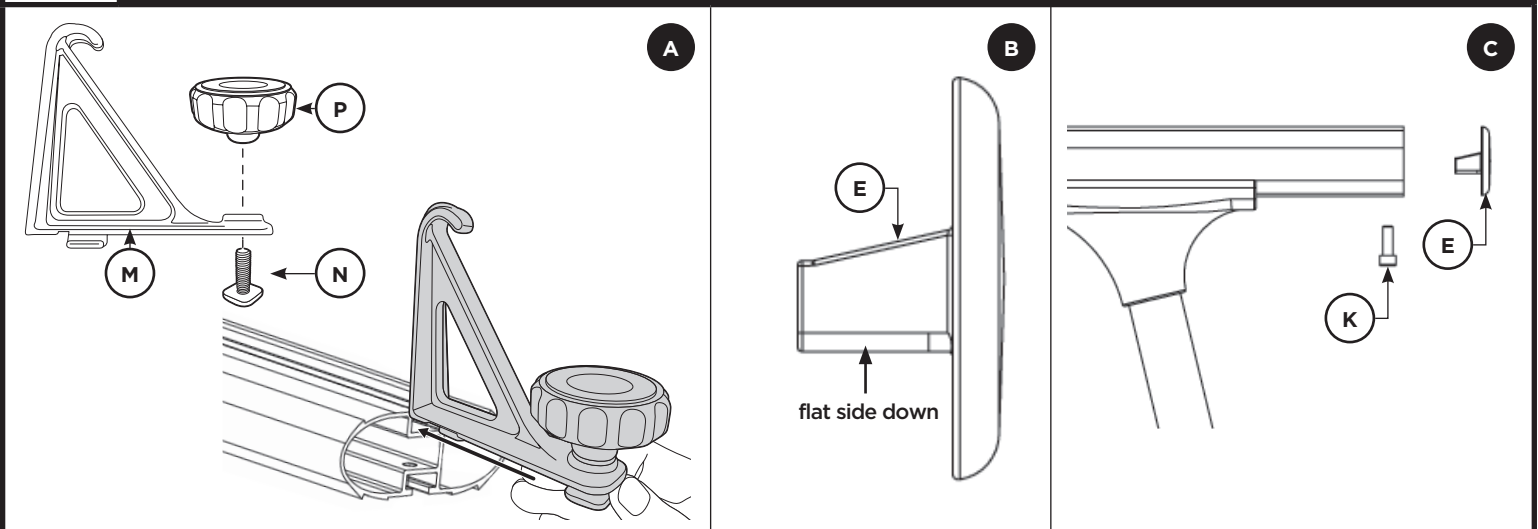
1. Locate 3/8"-16 x .625" button head cap screws (BHCS) (H), square nuts (I) and Uprights (A,B), pre-thread with 3/4 turn. (see Image A).

**NOTE:** To confirm correct assembly, and when standing left to right, racks should angle towards each other with extended end of sliders facing each other (see Image B).

2. Orient first Crossbar with bottom slot facing down (Image C), and slide Saddle with BHCS/square nut assembly (H,I) into bottom slot of Crossbar (G) (Image D). Leave bolts loose until final truck install. Repeat on opposite side and for remaining Uprights.

# 3

## TIEDOWNS AND ENDCAPS ASSEMBLY

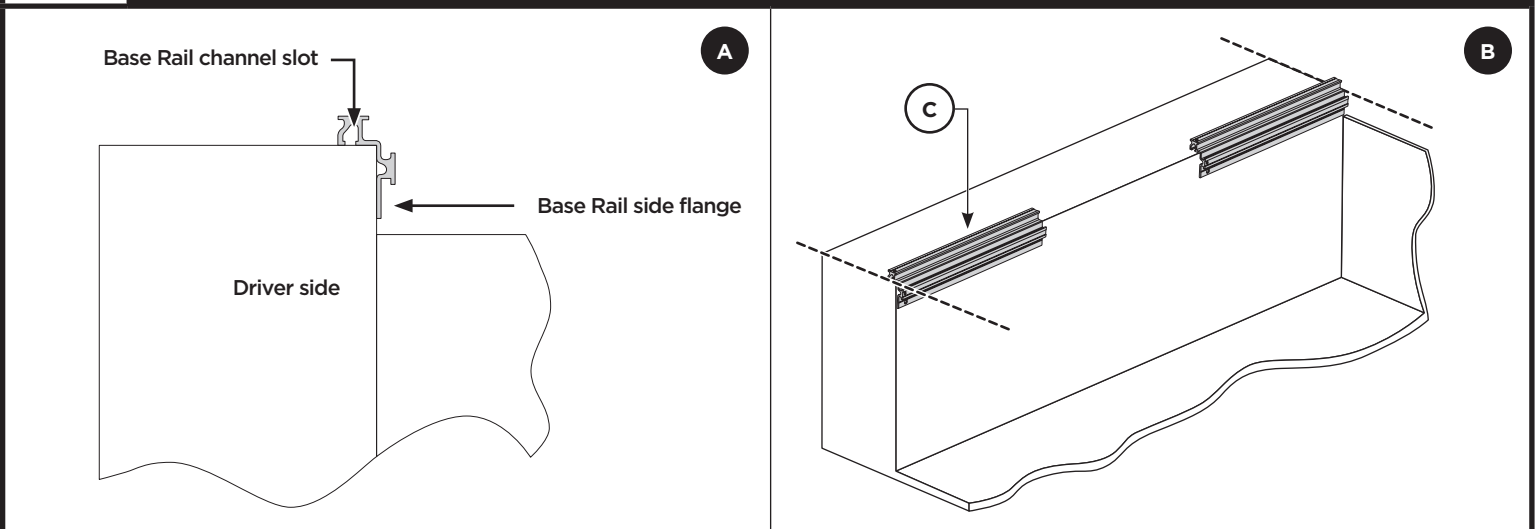


1. Pre-assemble all load stops as shown. Attach knob loosely.
2. Slide tiedown into top crossbar track, locate in desired position, and twist knob until securely in place.

3. Locate crossbar end caps (E) and with flat side is facing ground (see Image B) insert into crossbar. Secure with M6-1 socket head cap screw (SHCS), and tighten with 3/16" allen key.

# 4

## BASE RAILS INSTALLATION



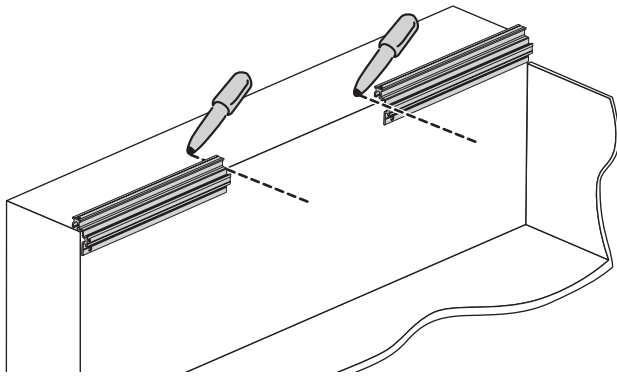
1. Place each Base Rail (C) on the inside edge of the utility boxes, one at each corner. The wider channel slot in the Base Rail mounts to the top of utility boxes.

2. Make sure the Base Rails (C) are flush with the forward and rear edges of the utility boxes.

# 5

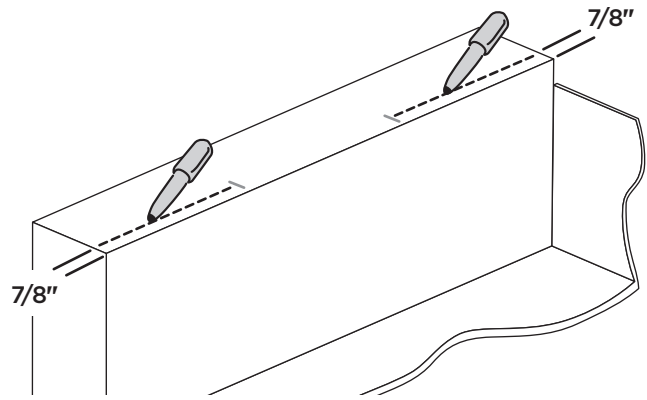
## BASE RAILS INSTALLATION

A



1. Use a felt tip marker to mark the end of each Base Rail on the utility box, then remove the Base Rails.

B

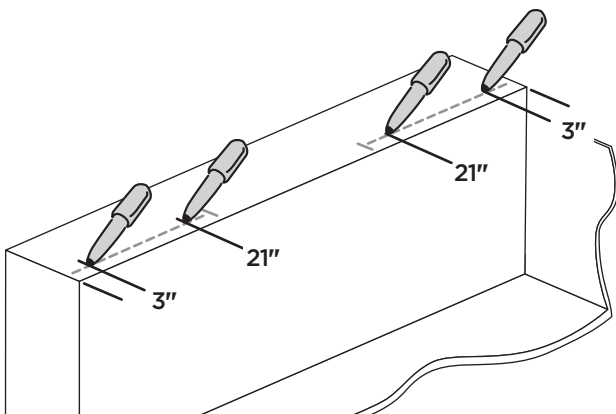


2. Measure 7/8" from the inside edge of the box and scribe a 24" line parallel to that edge. This will be your centerline for the top mounting holes. Verify centerline straightness by measuring the distance at beginning and end of centerline.

# 6

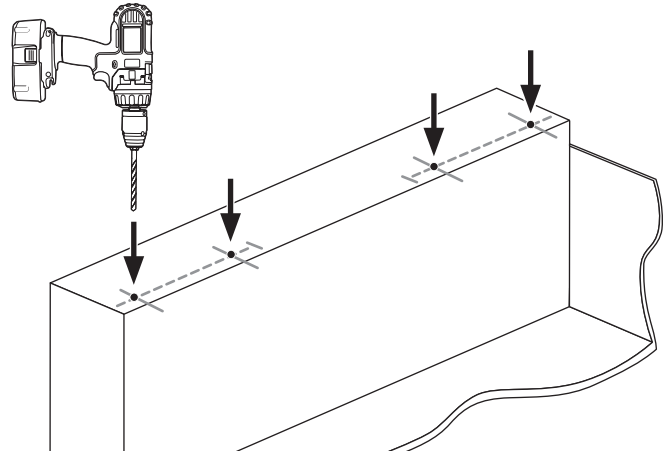
## BASE RAILS INSTALLATION

A



1. Mark 3" and 21" from the ends of the utility box on each centerline.

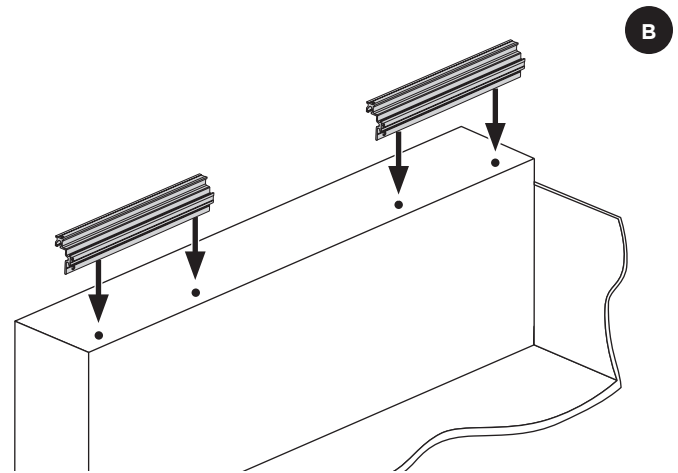
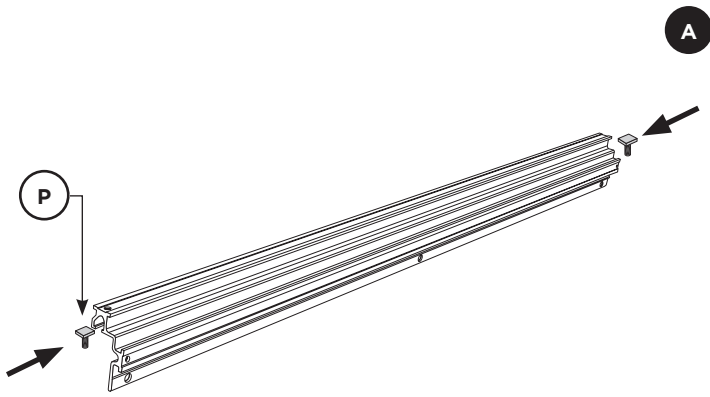
B



2. Center punch at each center point location and drill 1/8" pilot holes. Finish drilling with a 13/32" drill bit. Repeat this process for each Base Rail, for a total of 8 holes drilled into the top of your utility boxes.

# 7

## BASE RAILS INSTALLATION

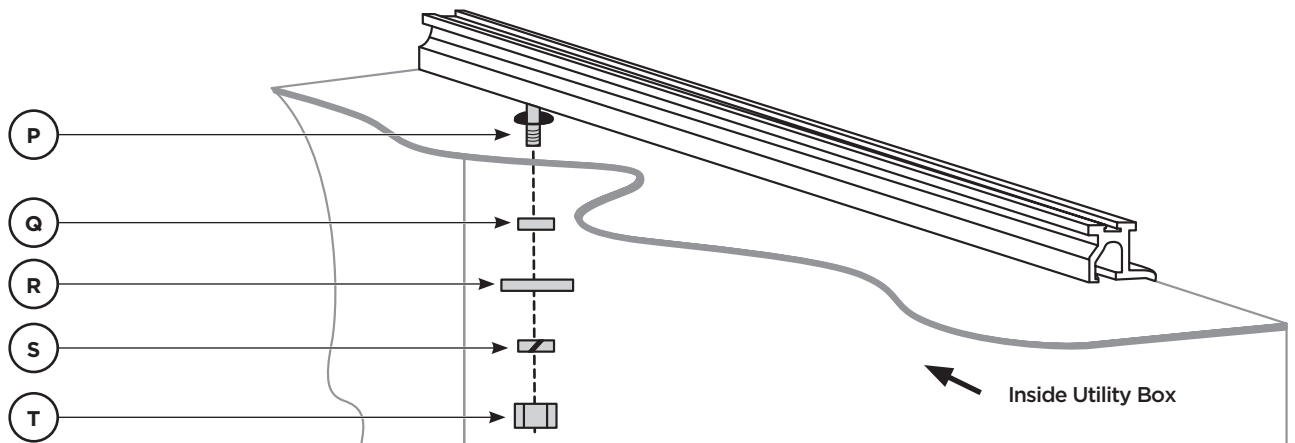


1. Starting with the driver side, slide 2 T-Bolts (P) into the channel slot of the Base Rail.
2. Adjust the bolts into position above the drilled holes in the utility box.

3. Place the Base Rail onto the utility box as you insert the T-Bolts (P) into the drilled holes. Check that the Base Rail is flush with the forward edge of the box, and that the inside corner of the Base Rail fit snugly against the inside edge of the box.

# 8

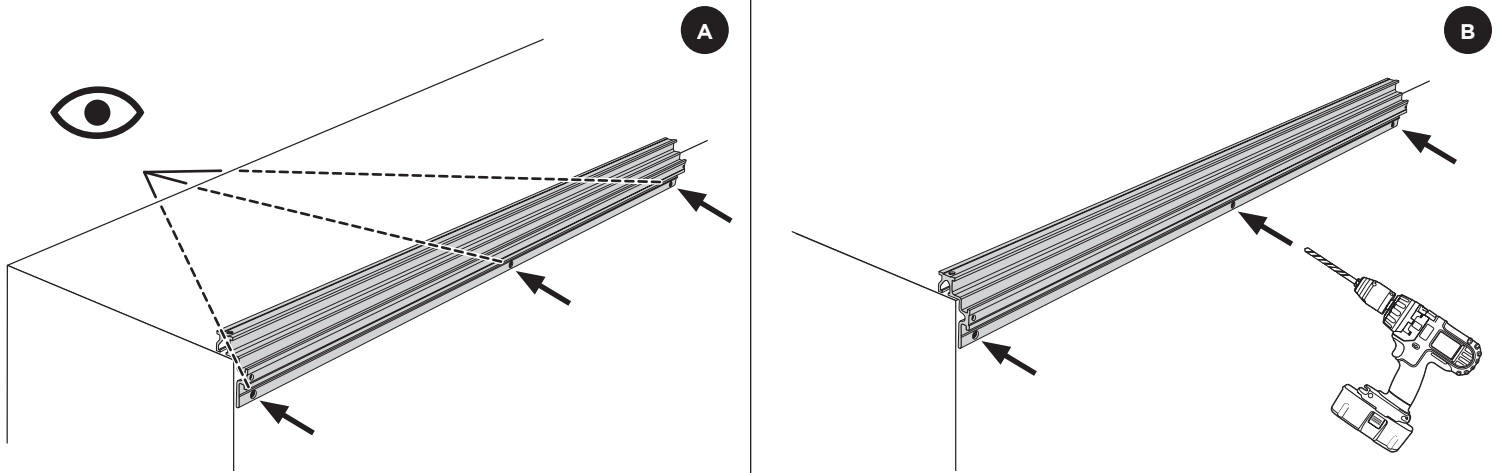
## BASE RAILS INSTALLATION



1. Begin assembling the hardware by inserting the Rubber Sealing Washer (Q) onto the T-Bolts (P) protruding inside the utility box. Push Sealing Washer (Q) up until flush against the underside of the box. Insert in order the Fender Washer (R), Locking Washer (S) and the Hex Nut (T). Hand tighten the assembly. Repeat for each bolts.

# 9

## BASE RAILS INSTALLATION

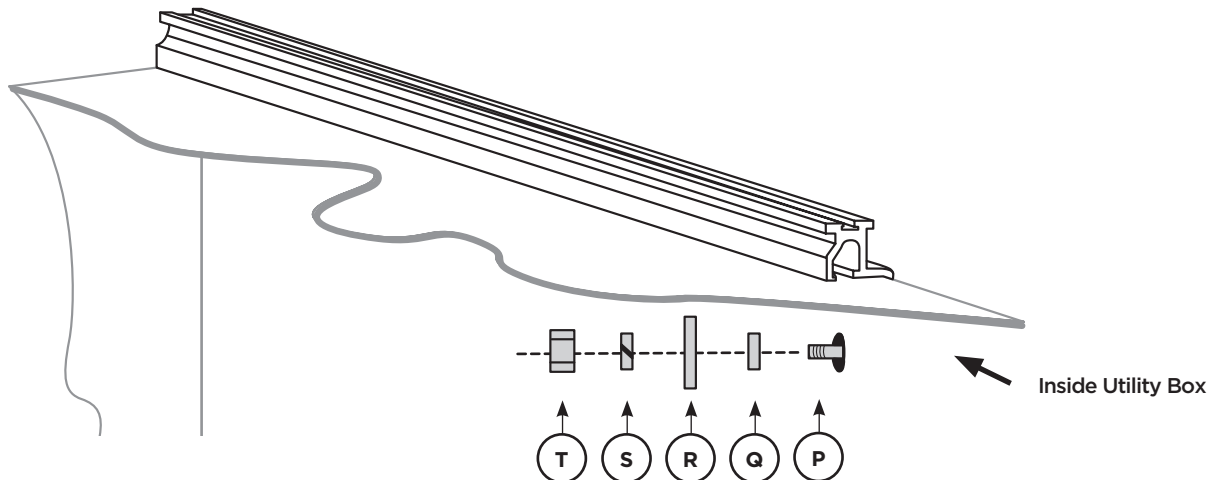


1. Before you torque the Hex Nuts (T), check that the side mounted holes have drilling clearance inside the utility box.
2. Tighten all top mounted Base Rail Hex Nuts (T) to a torque specification of 180 in/lbs (15 ft/lbs).

3. Using the holes in the Base Rail side flange as template, drill the side mounting holes using the same 13/32" drill bit.

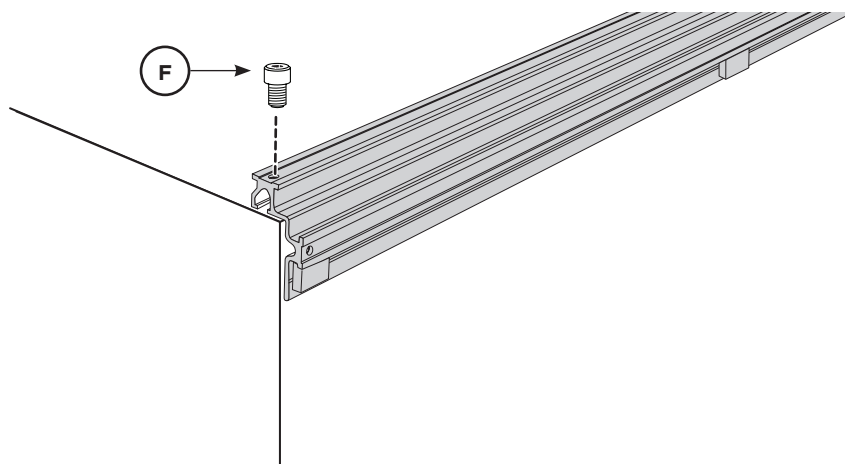
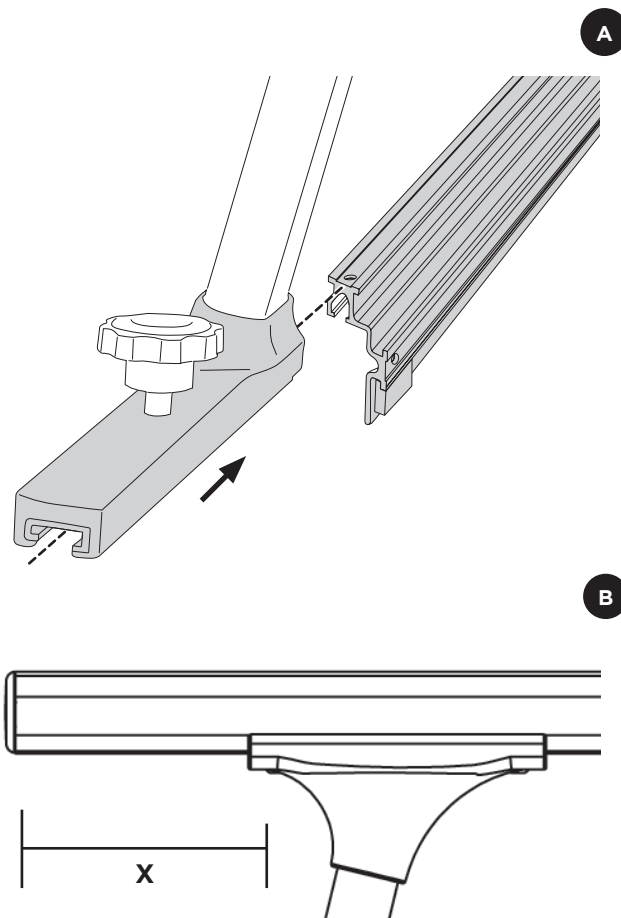
# 10

## BASE RAILS INSTALLATION



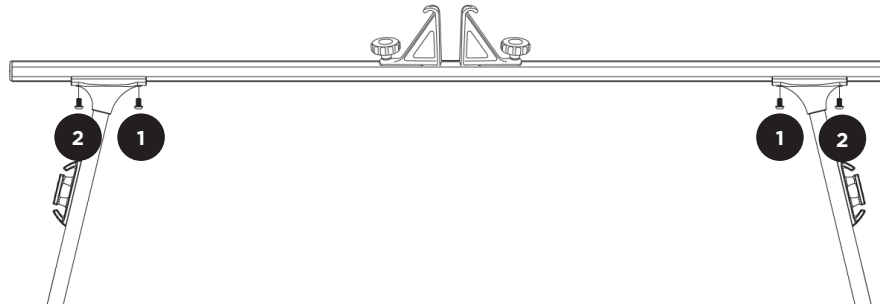
1. Begin assembling the hardware by inserting the Rubber Sealing Washer (Q) onto the T-Bolts (P) protruding inside the utility box. Push Sealing Washer (Q) up until flush against the underside of the box. Insert in order the Fender Washer (R), Locking Washer (S) and the Hex Nut (T). Hand tighten the assembly. Repeat for each bolts.

1. Beginning with front rack (closest to truck cab), slide one rack assembly onto outer track. Uprights may require horizontal adjustment along crossbar to accommodate rail width (Bolts should be loose to accommodate for adjustment). Repeat with second assembly on rail.
2. Ensure crossbar is centered on vehicle by measuring from tip of crossbar to saddle. Ensure that dimension X (see Image B) matches both sides of crossbars.



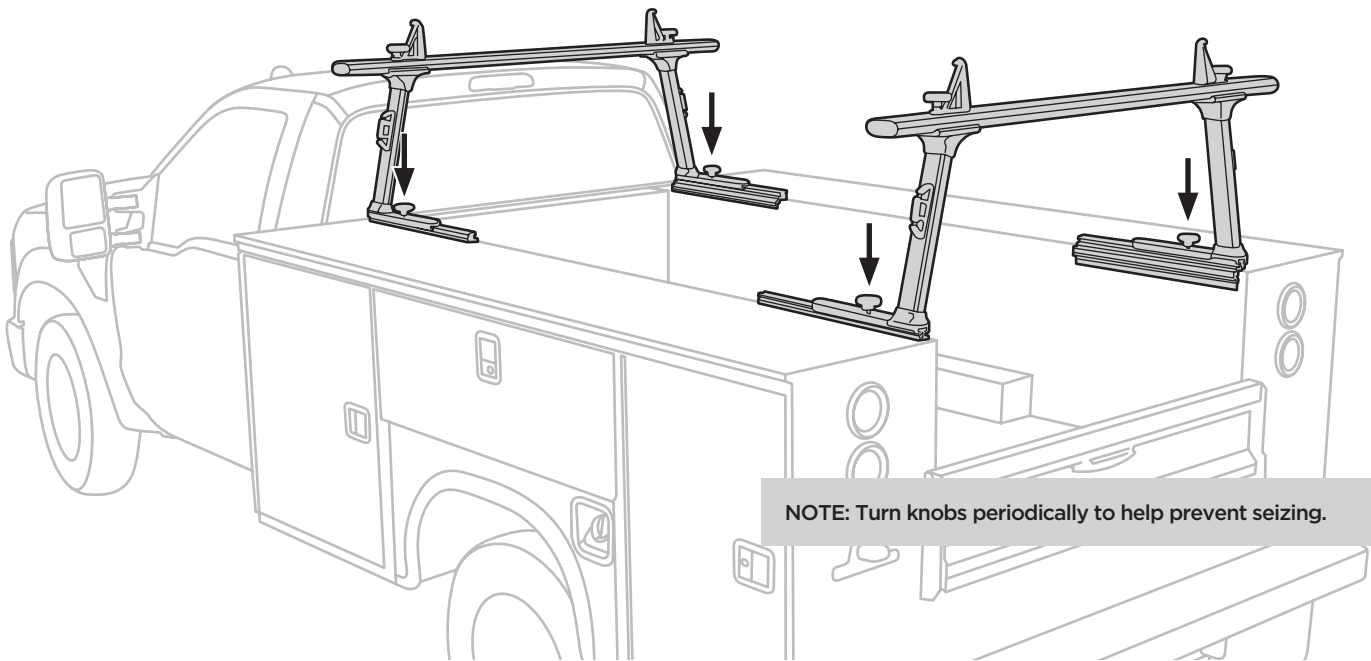
1. Install a Safety Stop Bolt (F) into each T-Track forward threaded holes.





A

1. Beginning with bolts on inner side of rack, tighten BHCS securing Crossbar to Saddles, and torque to 27 ft lbs using 7/32 Allen key.



B

**NOTE:** Turn knobs periodically to help prevent seizing.

2. Loosen male knobs in sliders to ensure both racks slide smoothly on base rails.

**NOTE:** If racks do not slide, confirm base rails are parallel and square. Confirm sliders are centered on base rail tracks, if rubbing on track adjust saddle/crossbar connection to ensure even disposition of rack relative to base rails.

3. Fully tighten all hardware.