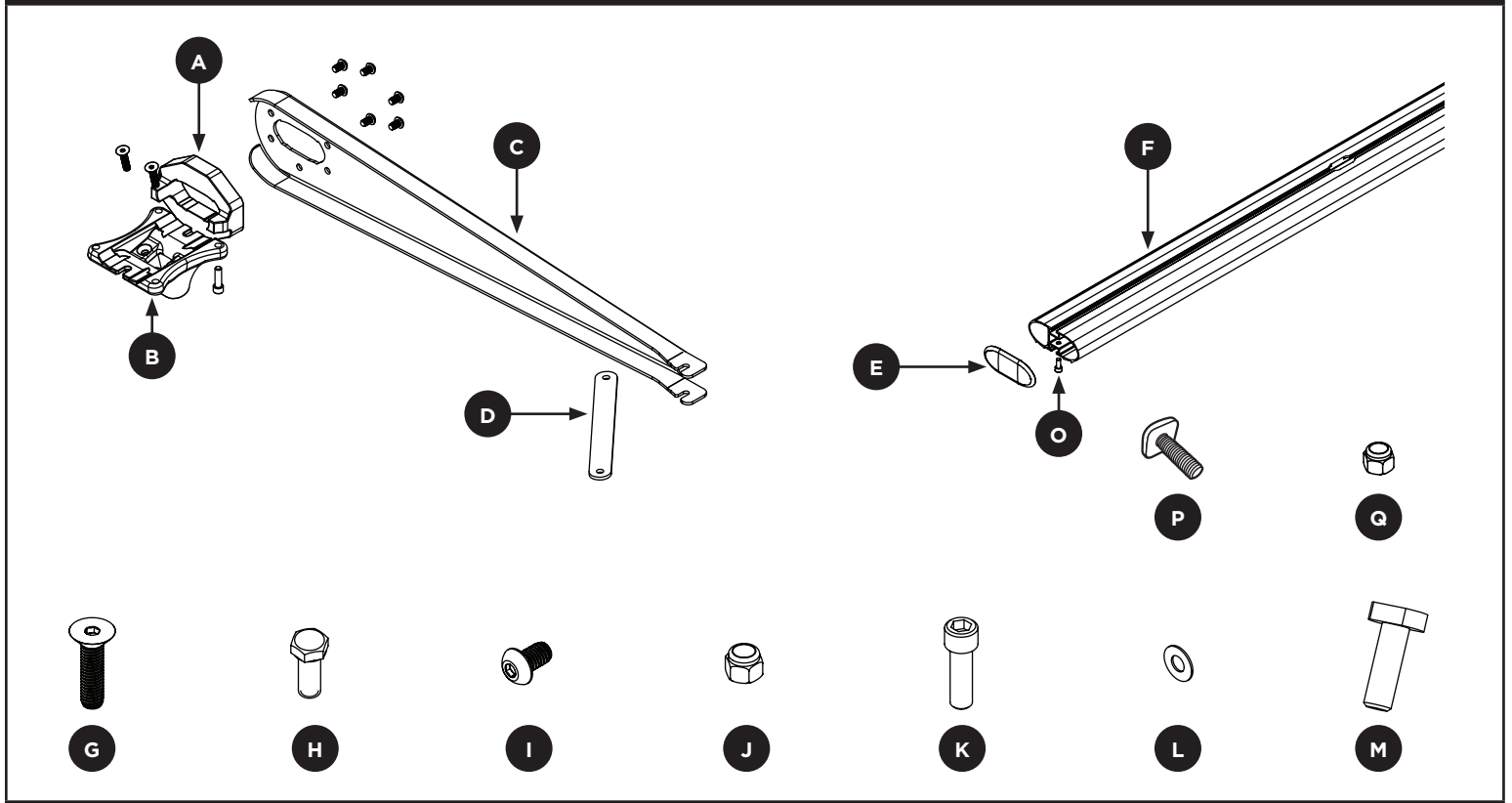
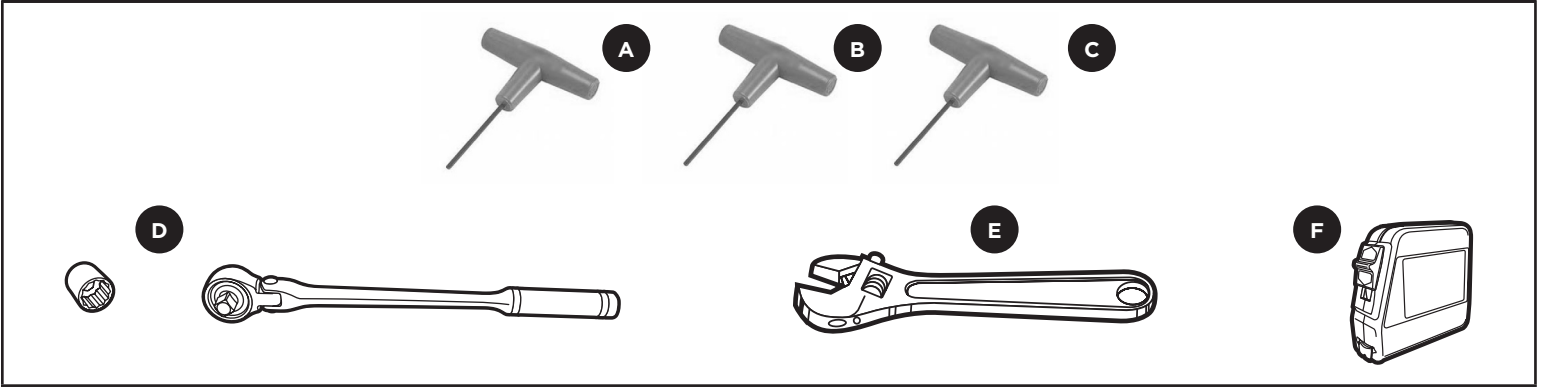


PARTS INCLUDED



part	description	qty.
A	modular cantilever hub	2
B	modular accessory saddle	2
C	cantilever arm	2
D	corner brace	2
E	crossbar end cap	2
F	crossbar	1
G	3/8"-16x1.5" FHCS	4
H	3/8"-16 x 1" HHCS	2
I	3/8"-16 x .625" BHCS-DRILLOC	12
J	3/8-16 Self locking nut	6
K	3/8-16 x 1-1/4 SS SHCS	4
L	3/8" SS washer	4
M	T-bolt 3/8 x 1.25	4
O	M6-1 socket head cap screw (SHCS)	2
P	T-bolt M8 x 26 mm	2
Q	M8 Self locking nut	2

TOOLS THAT YOU WILL NEED



part	description
A	7/32" allen key*
B	3/16" allen key*
C	3/8" allen key*
D	socket wrench and 9/16" socket
E	9/16" wrench or adjustable wrench
F	tape measure

*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
C	electric drill/socket wrench

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

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.

INSTALLATION TIPS

When installing the Cantilever on a Thule TracRac, it is easiest to install both over head racks onto the base rails first (with the cantilever saddles on the front rack). Once the racks are assembled, slide the front rack towards the back of the truck bed and this will provide a stable platform to install the cantilever and crossbar.

USE

1. The cantilever extension will not increase the loading capacity of your Thule TracRac. Load should be evenly distributed across the two crossbars of the overhead racks. The cantilever extension is meant to protect the cab from long non-rigid materials.
2. Overloading your cantilever extension may damage the Thule TracRac system of your truck. Carrying high loads over rough roads with excess speed may damage the system. Exercise caution and good judgment at all times.
3. If the clearance between the underside of the cantilever extension crossbar and the roof of you truck is less than 2", do not install the extension. Your truck may sustain damage.

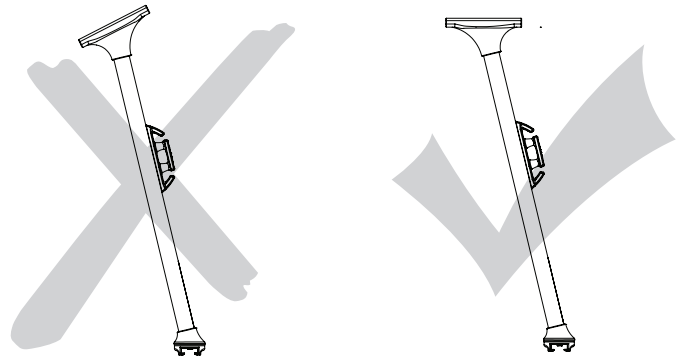
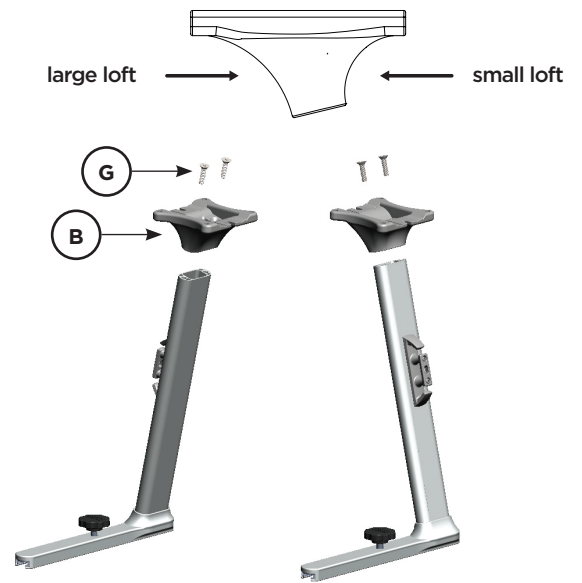
1

UPRIGHT ASSEMBLY

1. Bolt the cantilever saddle (B) onto the Thule TracRac upright using (2) 3/8" FHCS (G). Torque bolts to 32 lb-ft. using 7/32" Allen key. See Image A

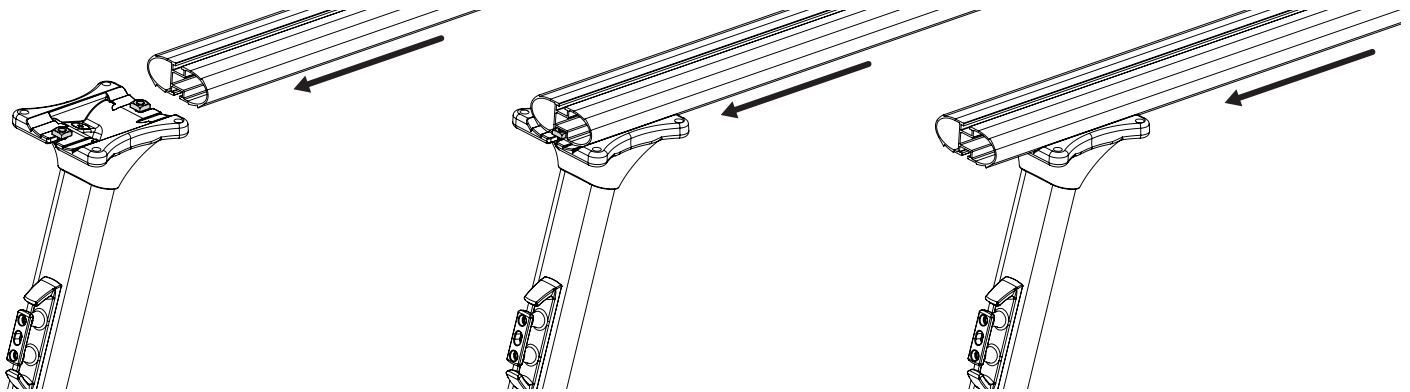
NOTE: If installing the Cantilever after having fully installed a Thule TracRac system, clean the Lock-Tight from the threads with a wire brush. Excess parts are nonreturnable and should be kept incase owner decides to re-configure system.

NOTE: Reference Image A, to ensure the saddle is properly orientated. The small loft of the saddle should face the cleat. See Image B



2

CROSSBAR ASSEMBLY



1. Attach the crossbar (F) to the cantilever saddles (B) - Reference the instructions in the overhead racks instruction manual for attaching the crossbar, tiedown & end cap assembly. See Image C

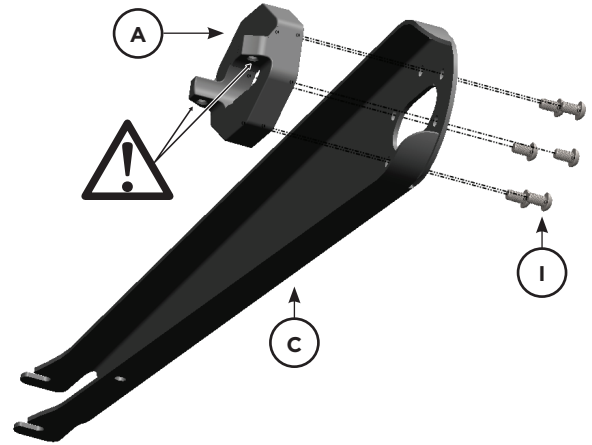
3

ARM AND HUB ASSEMBLY

1. Bolt the saddle hub (A) to the cantilever arm (C). Note the direction of the saddle relative to the cantilever arm as indicated in Image D

NOTE: Threaded holes are facing down

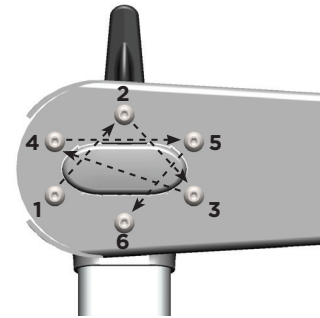
D



NOTE: The threaded holes should be facing the ground when installed.

2. Insert each of the BHCS (I) by hand and then tighten using a 7/32" Allen Key. Torque to 13.5 lb-ft. in a star-pattern. See Image E. Repeat for the other assembly.

E

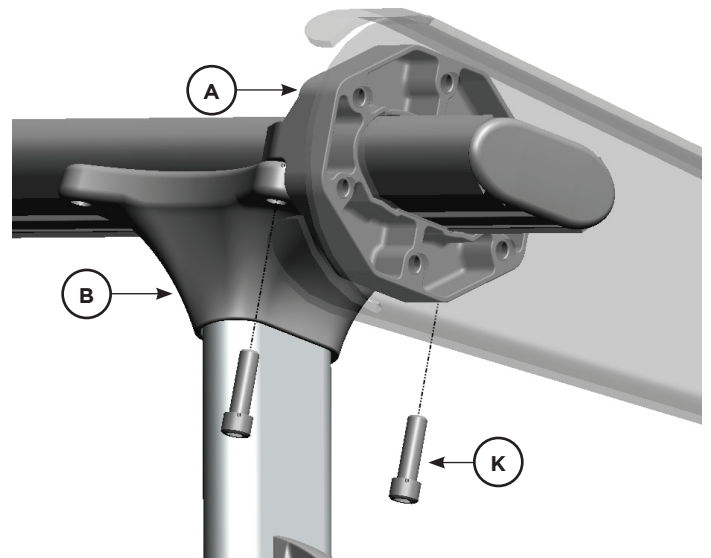


4

CANTILEVER TO CROSSBAR ASSEMBLY

1. Slide the cantilever assembly onto the crossbar. The saddle hub (A) should be on the inside so that the threaded portion matches up with the through holes of the Saddle. Repeat on the opposite side.
2. Bolt the saddle hub (A) to the saddles (B) using 2 of the SHCS 3/8-16X1-1/4 SS (K). Torque to 16 lb-ft. using a 3/8" Allen Key. See Image F

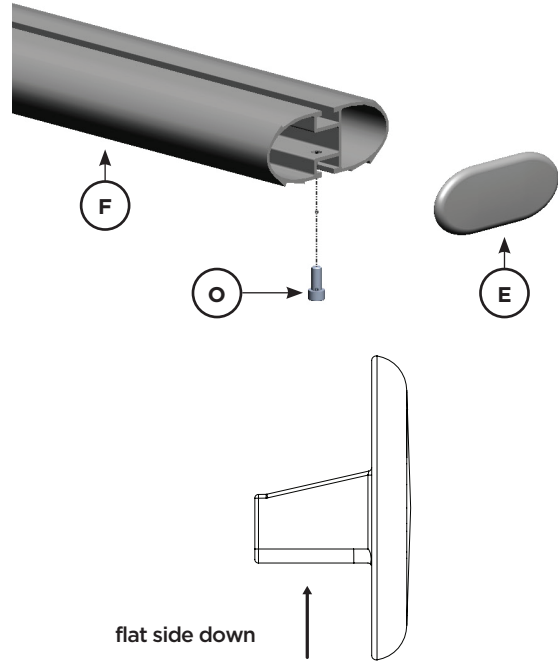
F



5

FRONT CROSSBAR ASSEMBLY

1. Assemble the crossbar. Insert 2 t-bolts (M) into the top of the crossbar (F) (one on each end) and 4 t-bolts (M) into the bottom of the crossbar (F) (two on each end). Insert the end caps (E) into the ends of the crossbar (F) and bolt into place with the M6-1x14mm (O). Tighten using the 3/16" Allen Key.

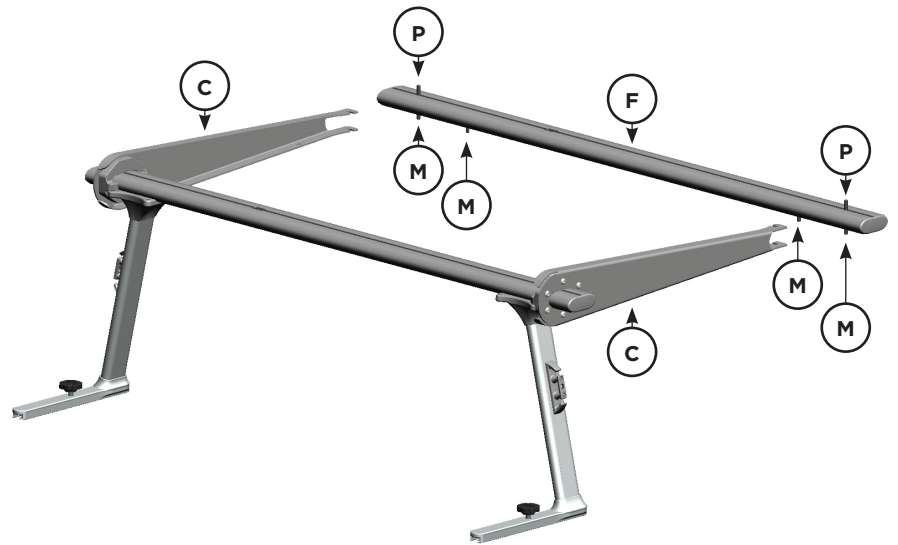


NOTE: The orientation of the end cap (E) relative to the crossbar (F).

6

FRONT CROSS BAR ASSEMBLY

1. Insert the crossbar (F) into the channels of the cantilever arms (C). See Image H. Align the t-bolts (M, P) under the slots in the cantilever arm (C) and using the self locking nuts (J, Q), bolt the crossbars (F) to the cantilever arms (C). Torque To 13.5 lb-ft.



NOTE: Make sure the crossbar (F) is centered relative the cantilever arms (C) and the other two crossbars.

1. Bolt the aluminum corner brace (D) to the cantilever arm (C) using a $\frac{3}{8}$ "-16 x 1" HHCS (H) and $\frac{3}{8}$ -16 self locking nut (J). Tighten using a $\frac{9}{16}$ " socket to 14 lb-ft.
2. Attach the opposite end to the remaining t-bolt (M) in the crossbar (F) and locking nut (J). Torque to 13.5 lb-ft. Repeat on opposite side.
3. Tighten all hardware.

