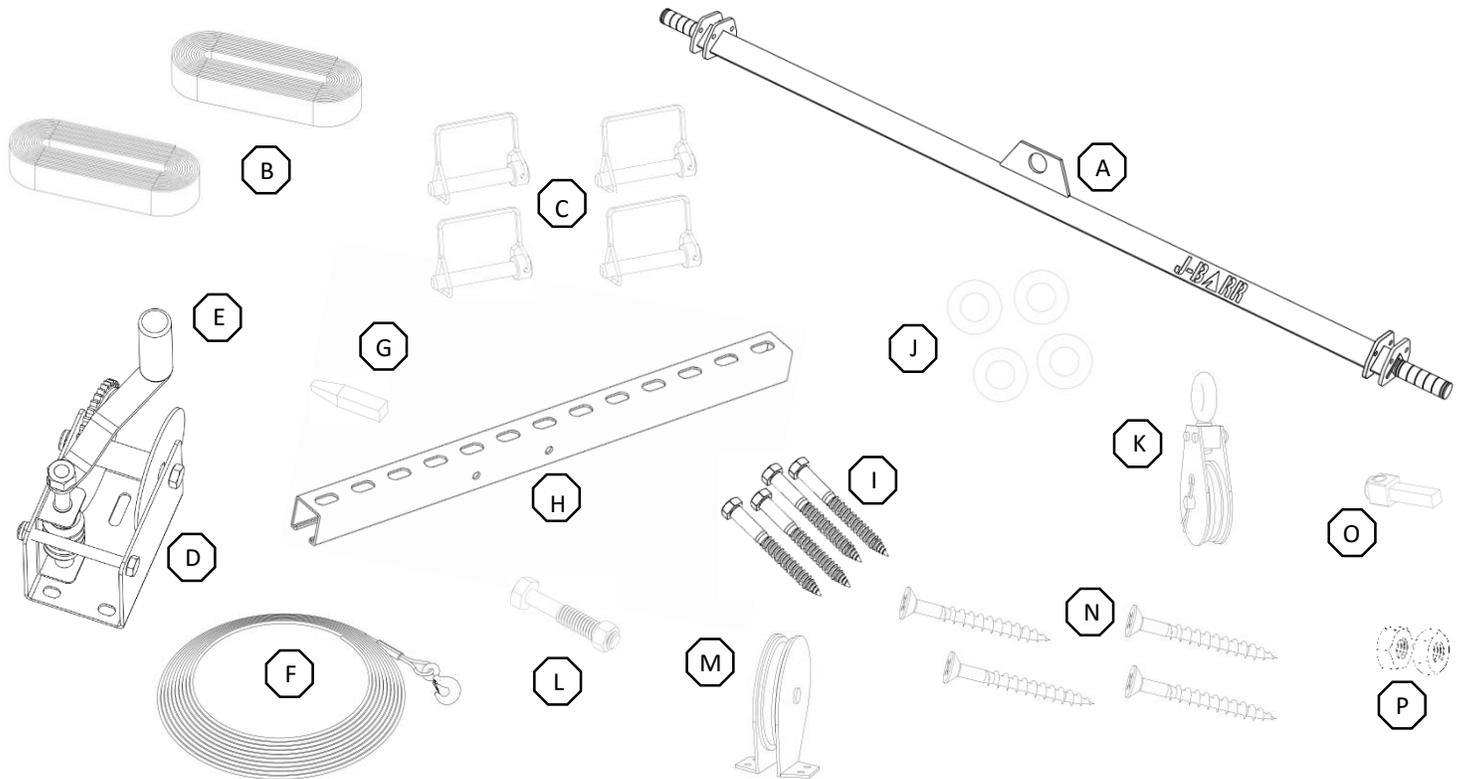


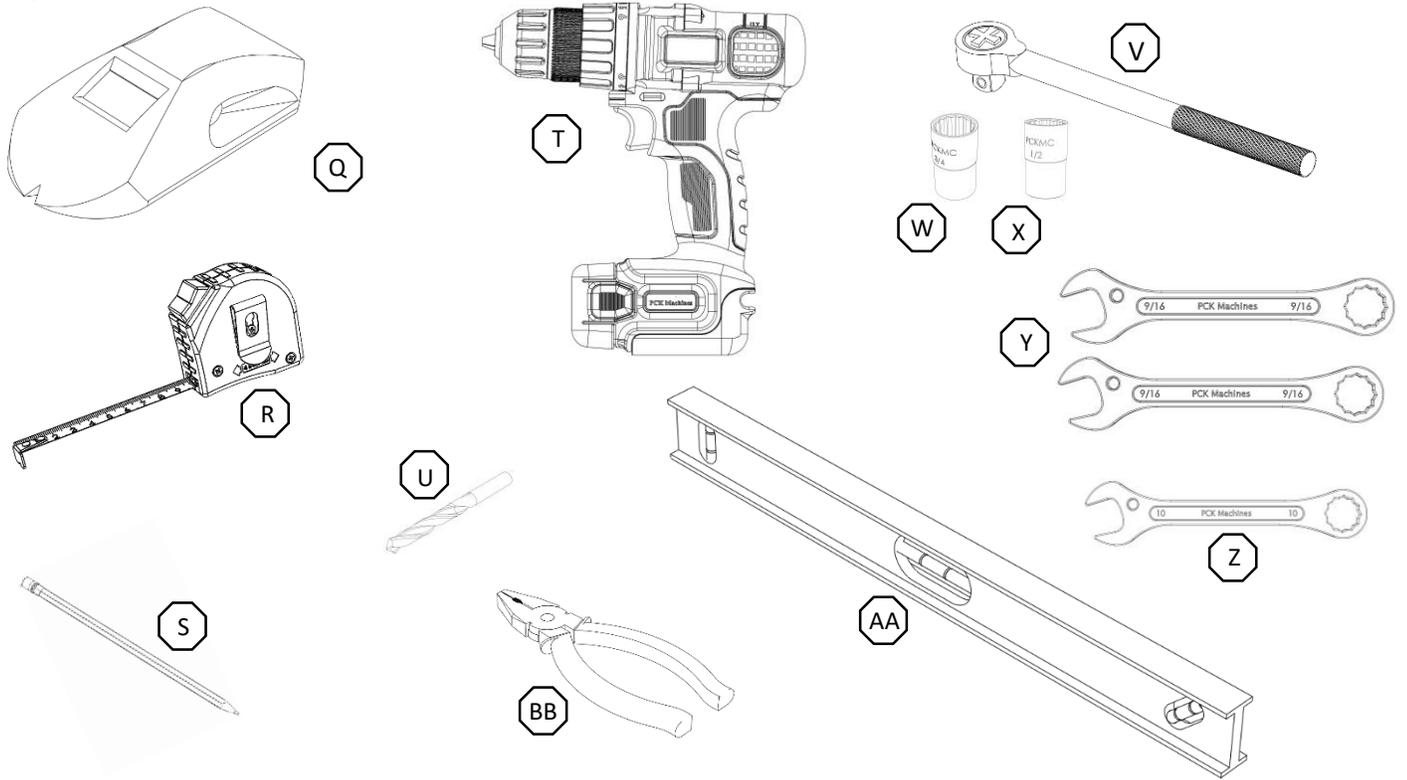
Fits 2007 - Current Jeep Wrangler Models

Included Components:



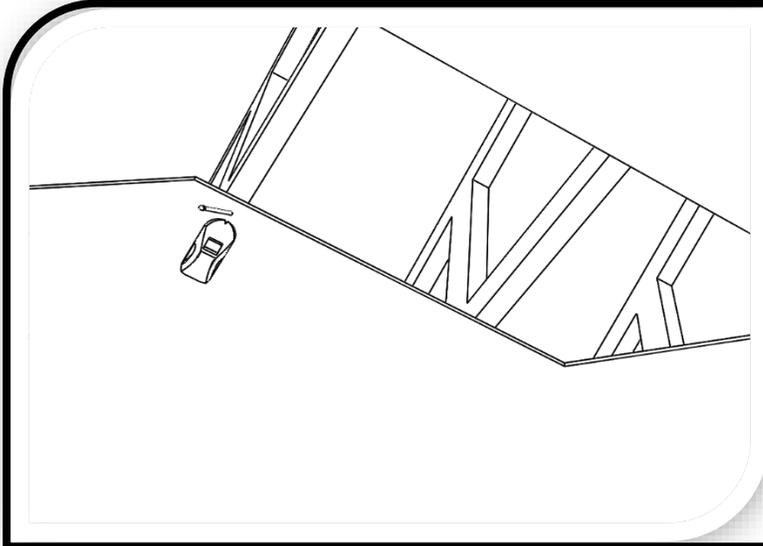
Reference Letter	Description	Qty.
A	J-BARR	1
B	Attachment Straps	2
C	Locking Pin	4
D	Winch	1
E	Winch Handle	1
F	Lifting Cable	1
G	1/4" Square Drive	1
H	26" Ceiling Rail	1
I	Lag Bolt	4
J	Washer	4
K	Ceiling Mount Pulley	1
L	3/8" Bolt and Nut	1
M	Corner Mount Pulley	1
N	Wood Screw	4
O	3/8" Square Drive Drill Adapter	1
P	3/4" Nut – for winch operation	2

Required Tools:



Reference Letter	Description	Qty.
Q	Stud Finder	1
R	Tape Measure	1
S	Pencil	1
T	Power Drill	1
U	3/16" Drill Bit	1
V	Ratchet	1
W	3/4" Socket	1
X	1/2" Socket	1
Y	9/16" Wrench	2
Z	10mm Wrench	1
AA	Bubble Level	1
BB	Pliers (Optional)	1

1

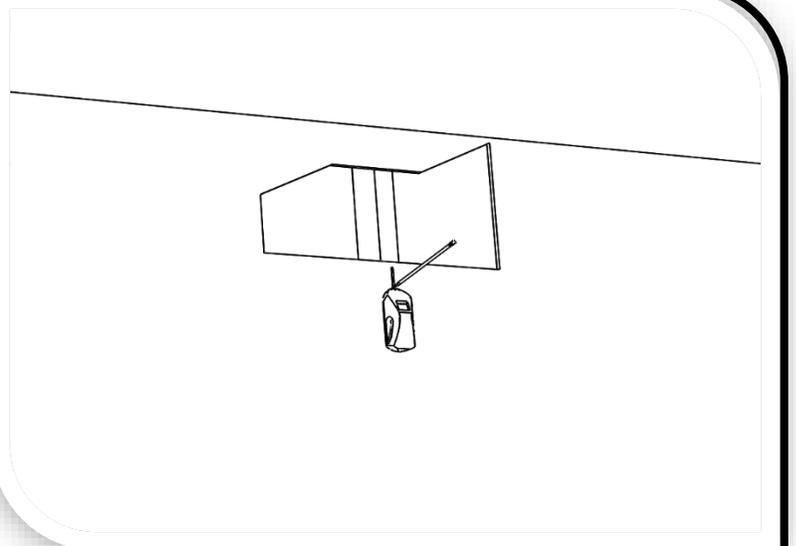


Using the stud finder (Q) and pencil (S), mark the ceiling joists located directly above your parking area.

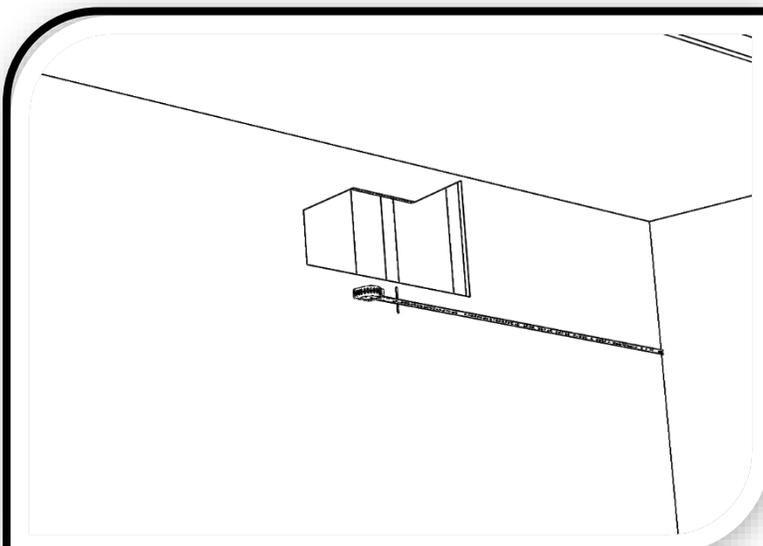
2

Using the stud finder (Q) and pencil (S), mark a wall stud centered on your parking area.

Note: This stud will be used later for installation of the corner mount pulley (M).



3



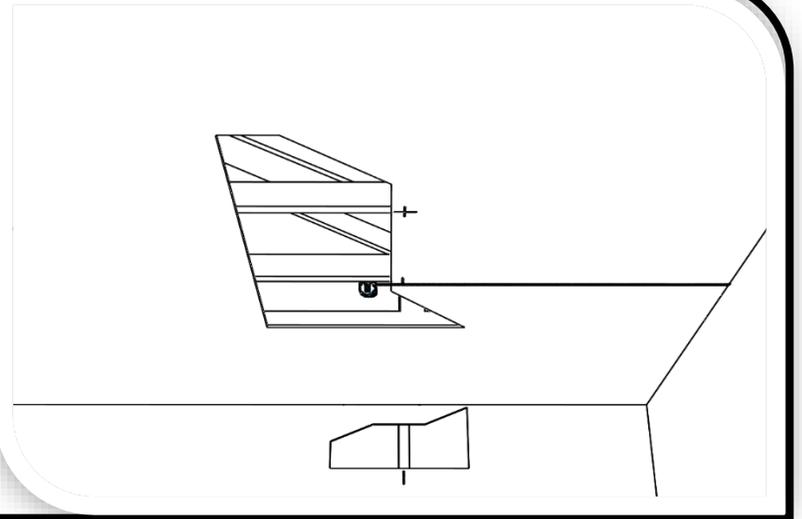
Measure from an adjacent wall to the center of the wall stud measured in Step 2.

Measurement: _____

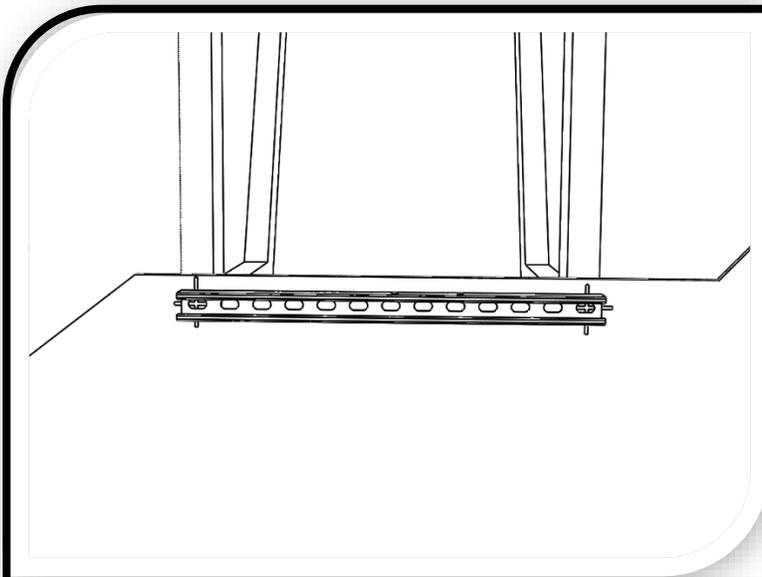
4

Mark pilot hole locations for the ceiling rail (H) using the measurement from Step 3.

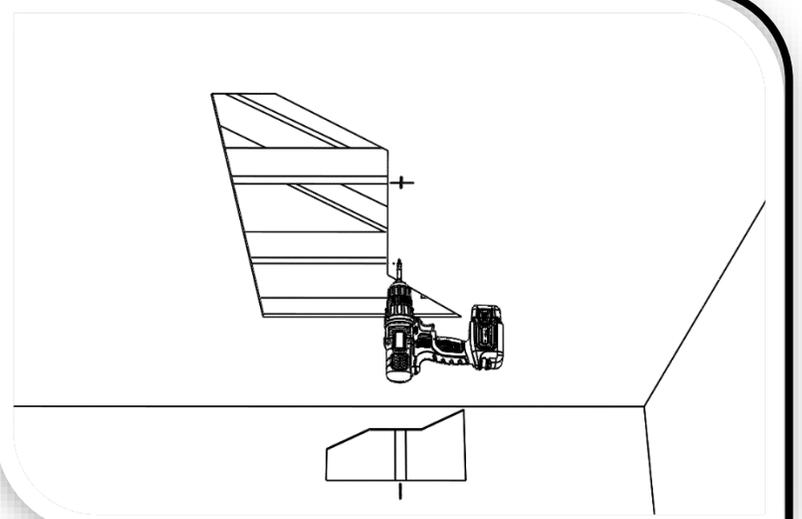
Note: It is recommended to install the ceiling rail (H) in line with the wall stud and across two joists. If a single joist is used, mark pilot holes 18" or more apart and align with ceiling rail slots (H).

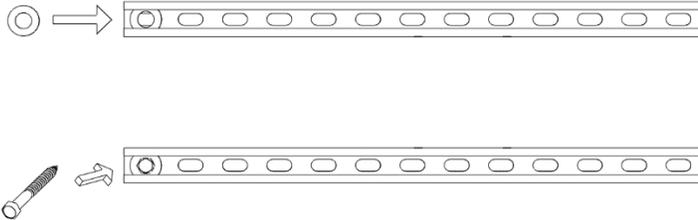
**5**

Hold the ceiling rail (H) up to your marks from Step 4 to ensure they match up with the ceiling rail slots (H).

**6**

Drill two 3/16" pilot holes with the drill (T) and drill bit (U).



7

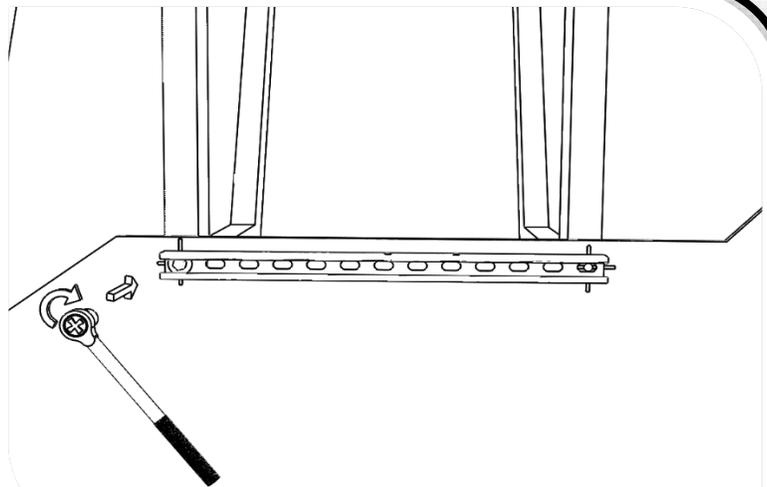
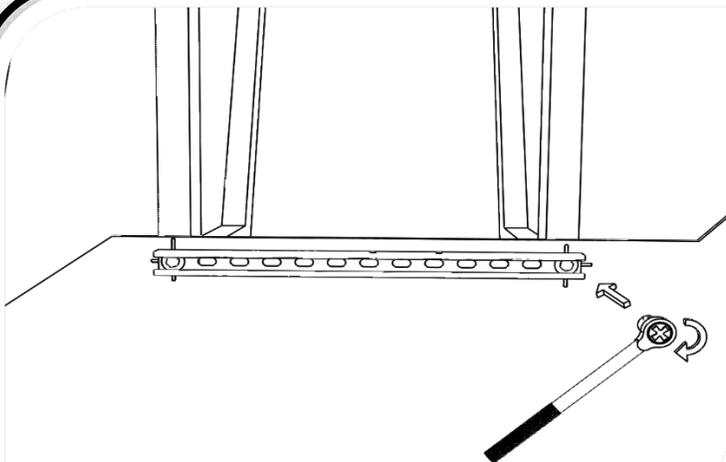
Slide one washer (J) inside the ceiling rail (H) and line up with the correct slot found in Step 5.

Push one lag bolt (I) through both the washer (J) and ceiling rail slot (H).

8

Using the 1/2" socket (X) and ratchet (V) (or 1/2" socket (X), drill (T) and 3/8" square drive drill adapter (O)), screw the lag bolt (I) into the first pilot hole.

Note: Leave the lag bolt (I) loose to allow for adjustment.

**9**

Slide a second washer (J) inside the ceiling rail (H) and line up with the second correct slot.

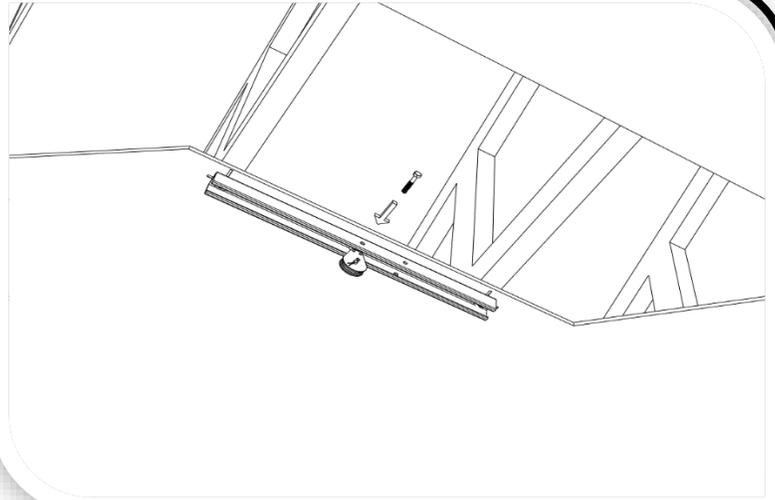
Push the second lag bolt (I) through both the washer (J) and ceiling rail slot (H).

Tighten both lag bolts (I).

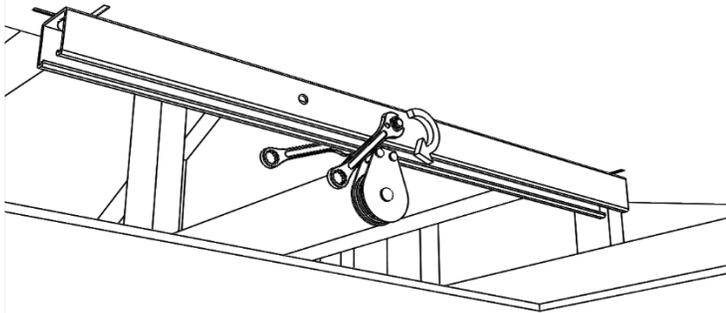
10

Hold the ceiling mount pulley (K) in position between the center set of horizontal holes on the ceiling rail (H) and push the bolt (L) through.

Note: The bolt (L) may need to be screwed through the holes if too tight to push through due to paint.

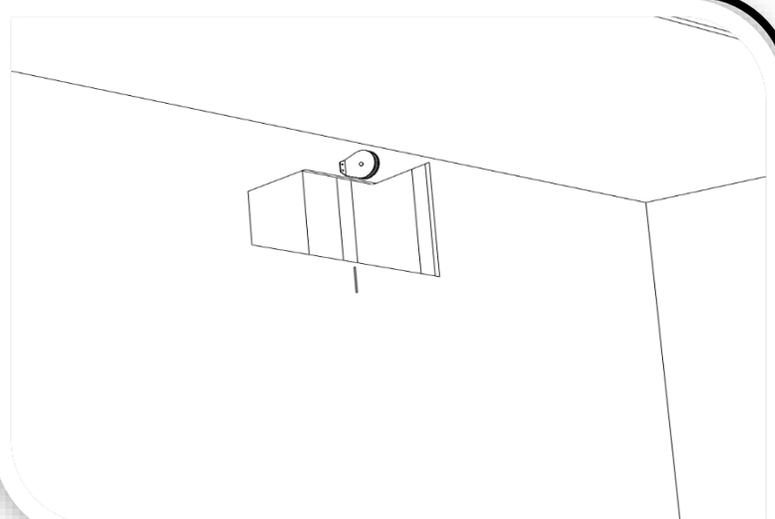
**11**

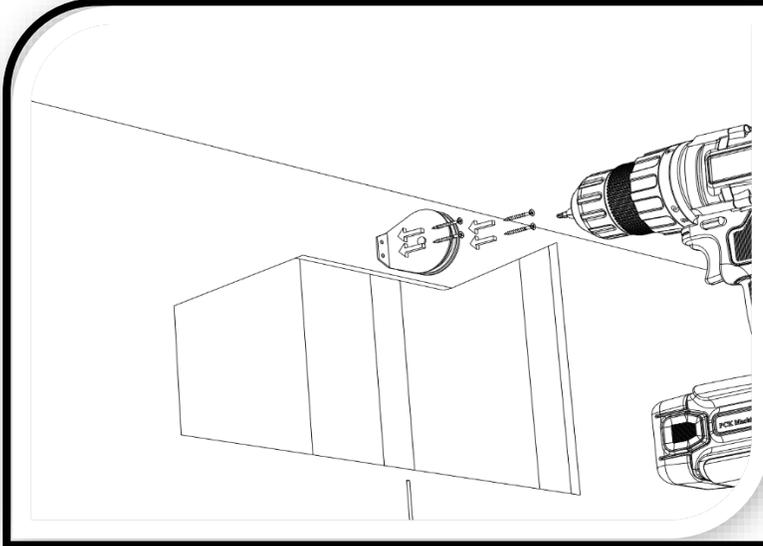
Tighten the nut (L) onto the bolt (L) using two 9/16" wrenches (Y).

**12**

Hold the corner mount pulley (M) along the top edge of the wall at the stud marked in Step 2.

Note: It is recommended to install the corner mount pulley (M) at the same height as the ceiling mount pulley (K) so that the lifting cable will be horizontal.



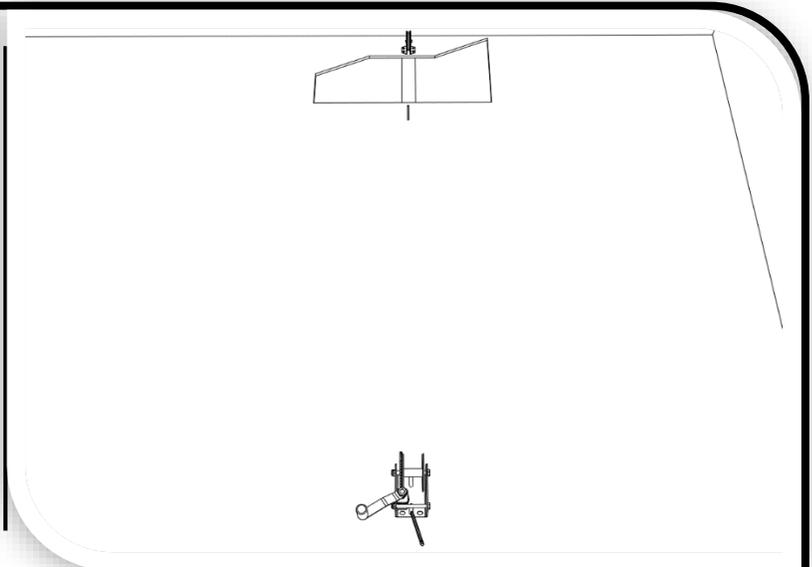
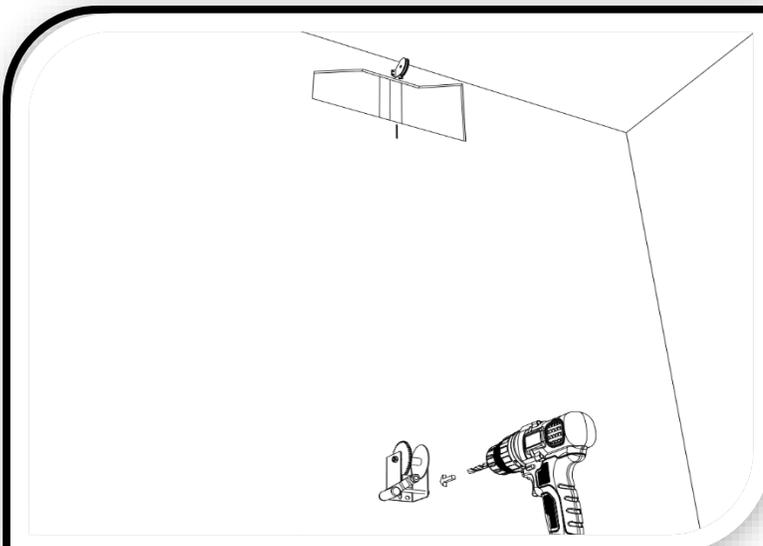
13

Install the corner mount pulley (M) using the drill (T), 1/4" square drive (G) and the four self-starting wood screws (N).

14

Hold the winch (D) at a comfortable height centered on the stud used in Step 13.

Mark two pilot hole locations.

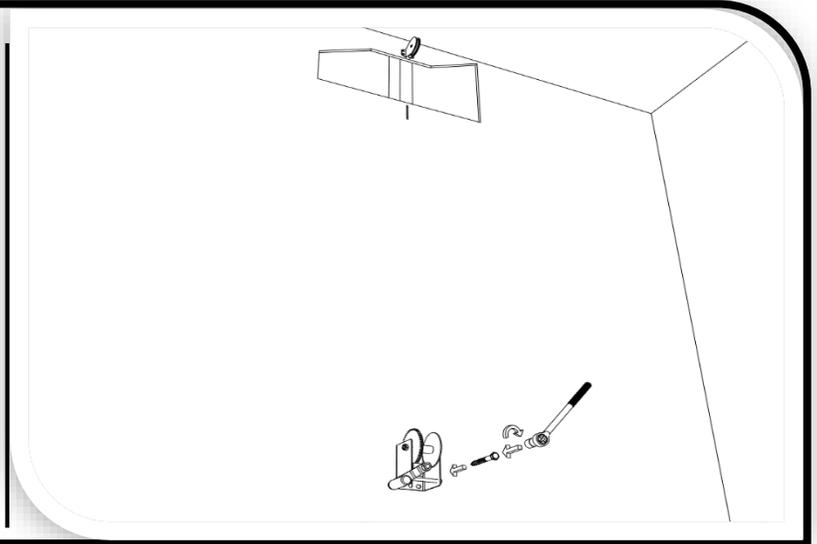
**15**

Drill two 3/16" pilot holes at the locations marked in Step 14 with the drill (T) and drill bit (U).

16

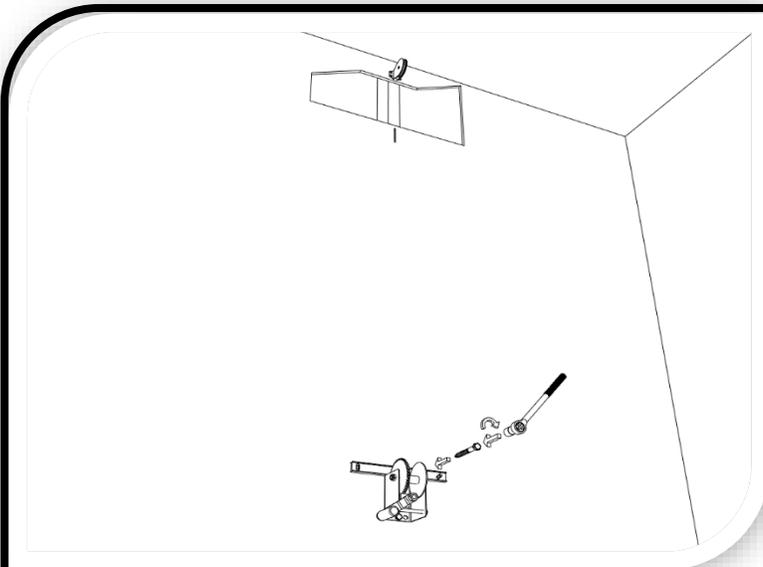
Using the 1/2" socket (X) and ratchet (V) (or 1/2" socket (X), drill (T) and 3/8" square drive drill adapter (O)), screw the lag bolt (I) into the bottom pilot hole.

Note: Leave the lag bolt (I) loose to allow for adjustment.

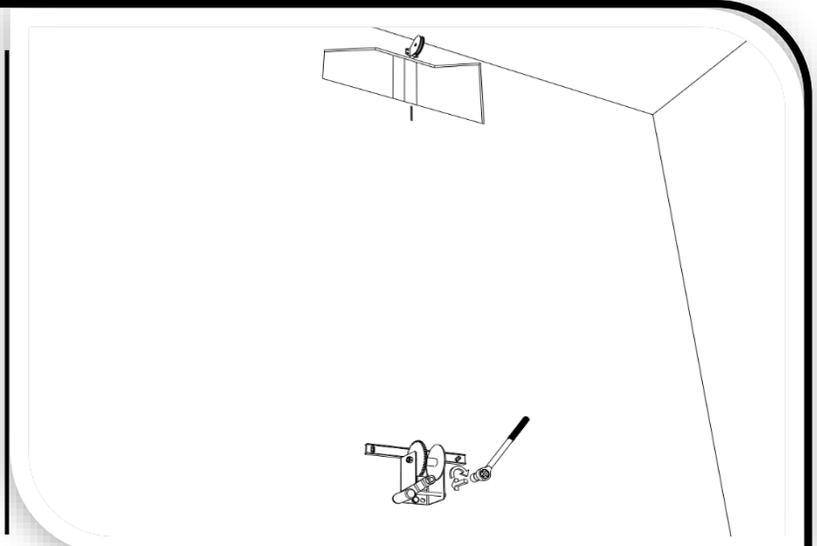
**17**

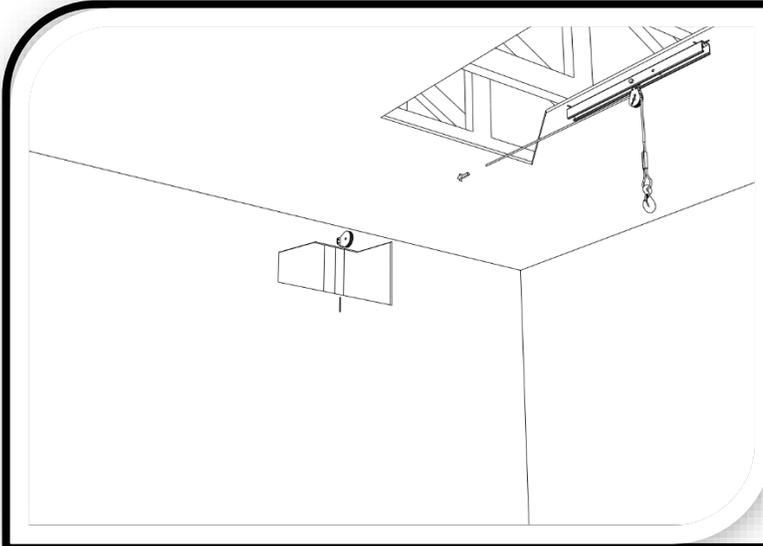
Place the bubble level (AA) on the top edge of the winch (D).

Screw in the top lag bolt (I) and tighten, making sure the bubble level (AA) shows the winch (D) is level.

**18**

Tighten the bottom lag bolt (I), making sure the winch (D) stays level.



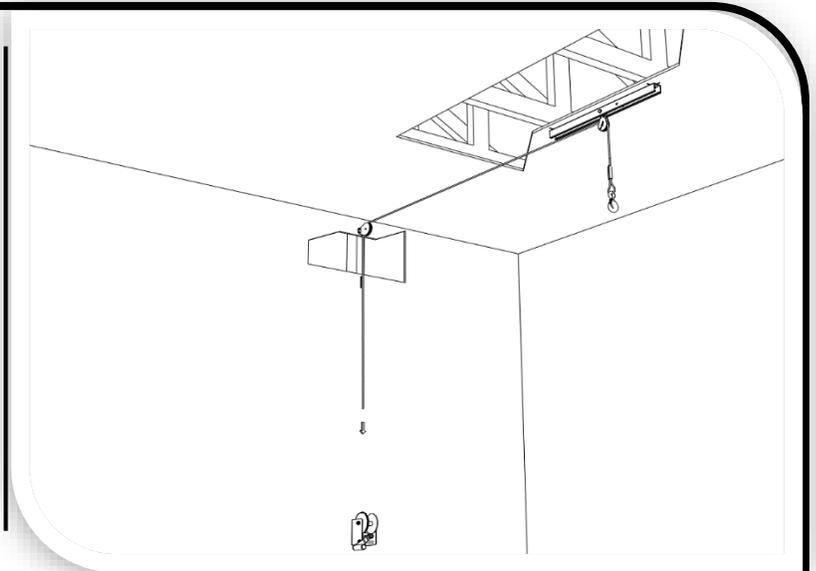
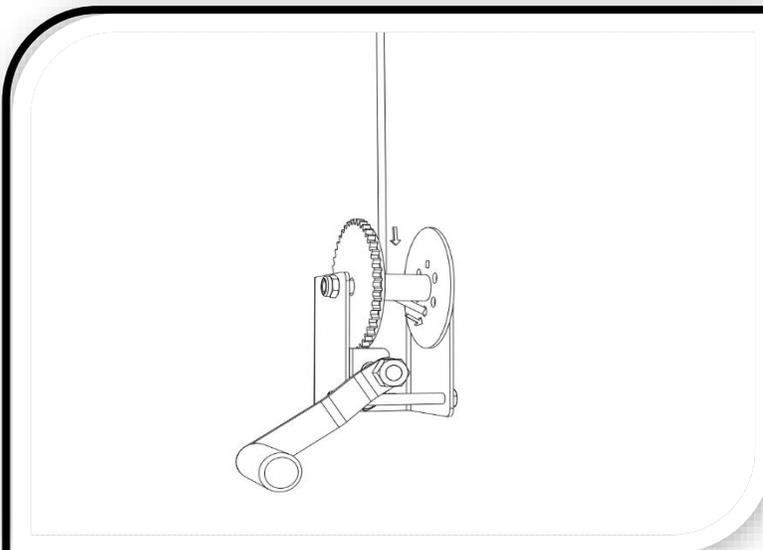
19

Feed the lifting cable (F) through the ceiling mount pulley (K) toward the corner mount pulley (M).

20

Feed the lifting cable (F) through the corner mount pulley (M) toward the winch (D).

Note: The pin and wheel may need to be removed temporarily to thread the cable through.

**21**

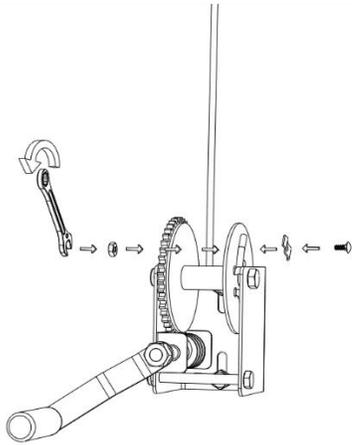
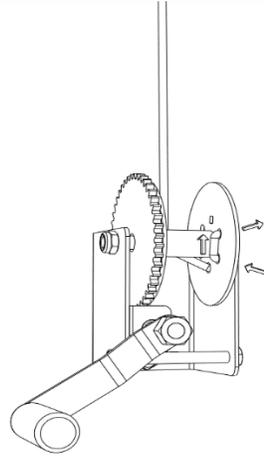
Feed the lifting cable (F) down the back side of the winch spool (D).

Pull the lifting cable (F) toward you along the bottom of the winch spool (D) and feed it out through one hole on the edge of the spool.

22

Feed the lifting cable (F) back in through a second hole on the edge of the winch spool (D).

Feed the lifting cable (F) back out through a third hole on the edge of the winch spool (D).

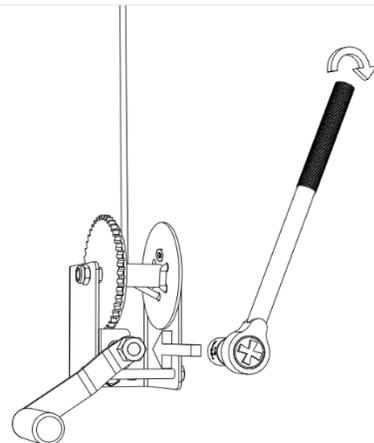
**23**

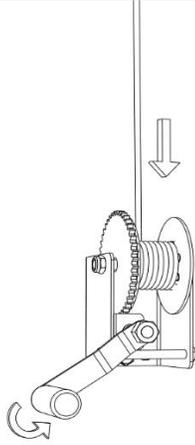
Place the cable clamp -- included with the winch (D) -- over the end of the lifting cable (F) and tighten the nut onto the bolt with the 10mm wrench (Z).

24

Using the 3/4" socket (W) and ratchet (V), tighten the nuts (P) -- included with the winch (D) -- onto the worm gear.

Note: If you plan to use the included winch handle (E), install it onto the worm gear between the nuts (P).



25

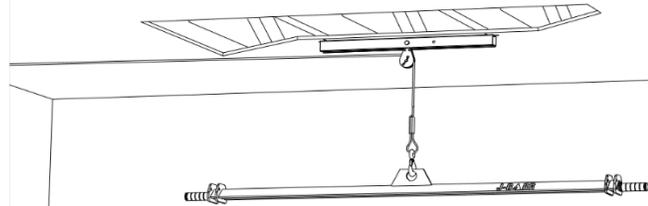
Wind the lifting cable (F) onto the winch spool (D) using either the winch handle (E) or power drill (T).

Note: Winding the cable in neat rows will ensure smooth operation.

26

Clip the J-BARR (A) to the lifting cable (F).

Enjoy!

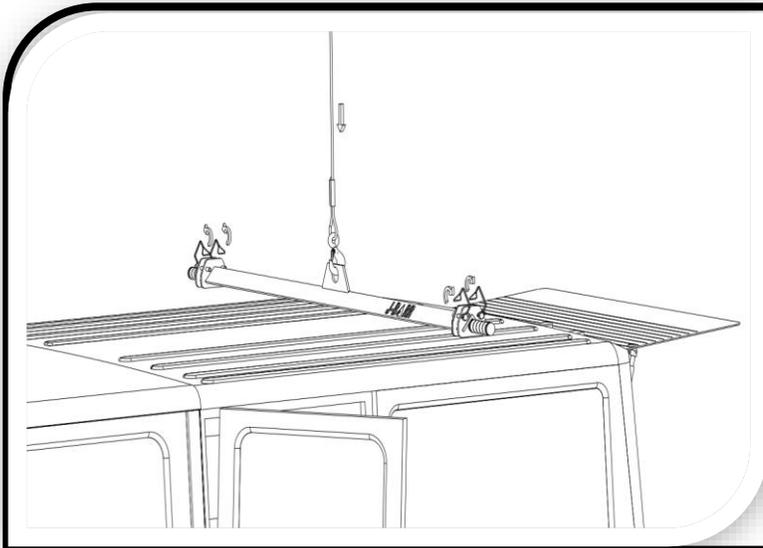


Questions?

Please visit our website www.j-barr.com

or

email us at service@j-barr.com

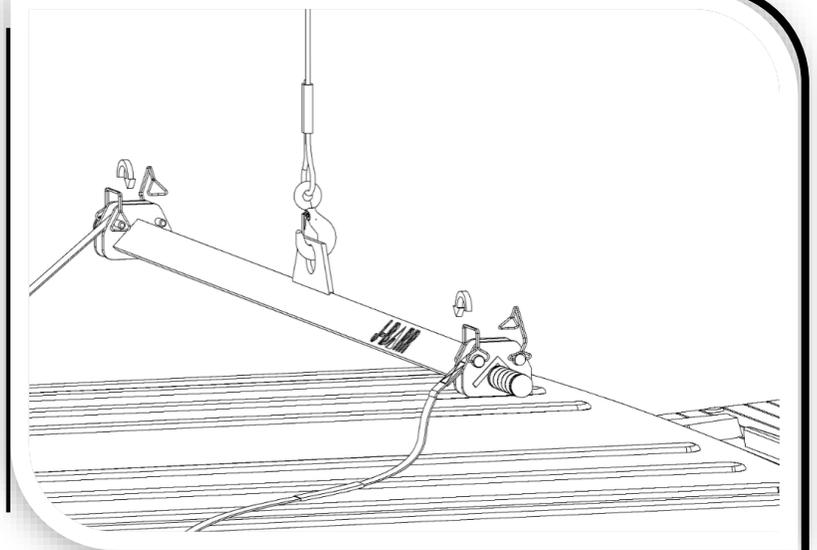
**A**

Lower the J-BARR (A) to just above the hardtop.

Open the four locking pins (C).

B

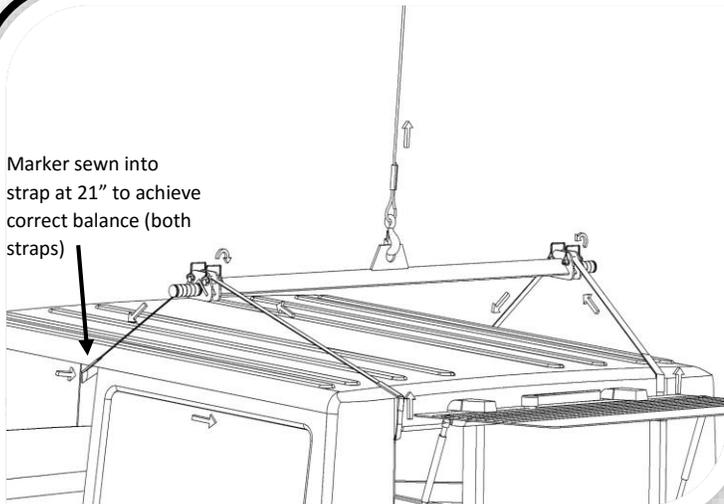
Slip one end of each attachment strap (B) into place on two of the locking pins (C) and close those two locking pins (C).



Feed the attachment straps (B) to the underside of the hardtop – through the rear door opening and rear window opening – and back up to the two open locking pins (C). Use the marker sewn in to the straps as a starting balance point.

Close the last two locking pins (C) and raise the hardtop using the winch (D).

Marker sewn into strap at 21" to achieve correct balance (both straps)

**C**