



ALLEN

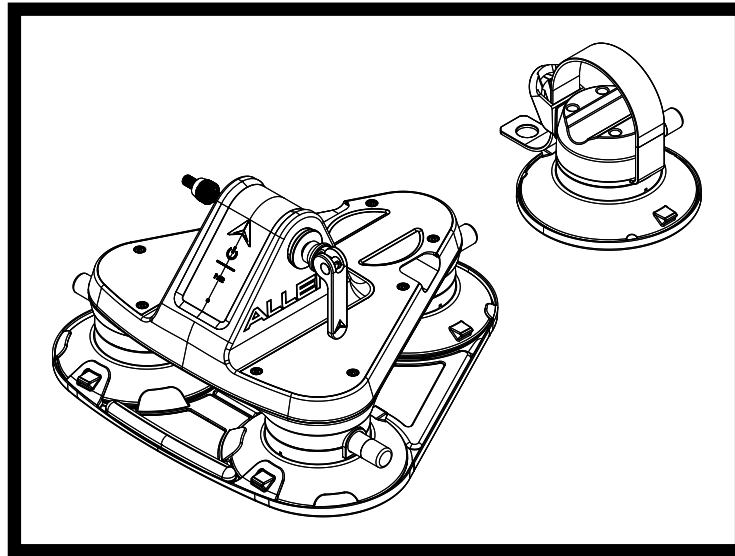
INSTRUCTIONAL OWNER'S MANUAL

PRODUCT REGISTRATION:

MAKE SURE TO REGISTER YOUR PURCHASE AT
<https://allen.bike/pages/register-your-product>
TO QUALIFY FOR PRODUCT WARRANTY AND TO RECEIVE
IMPORTANT PRODUCT NOTIFICATIONS

1

MODEL SB-05 SMART SUCTION™ GO 1-BIKE RACK



Owner's Manual should be kept for future reference

Completely read and understand Owner's Manual before assembling or operating this product.



WARNING:

Bicycles or rack falling in road can cause serious accidents resulting in bodily injury!! Do not use rack on any vehicle on which it can't be properly mounted as described in this instruction sheet.

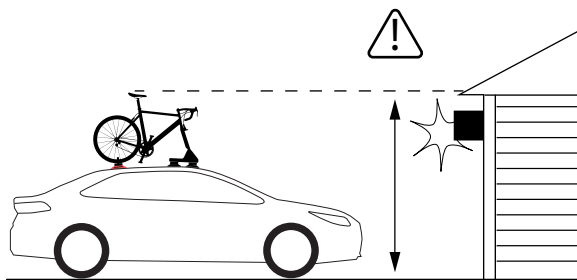
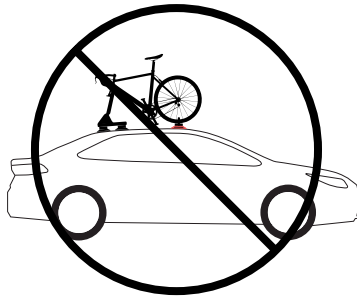
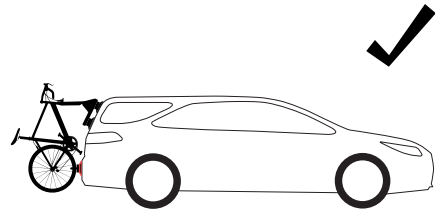
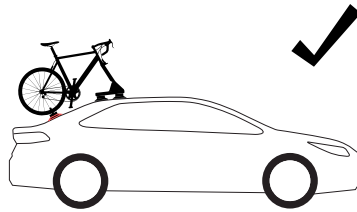
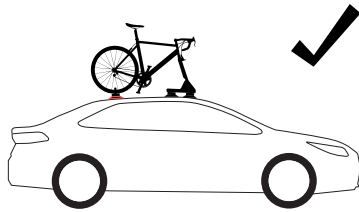
- NEVER MOUNT BICYCLE ON VEHICLE SIDWAYS OR AT ANY ANGLE THAT IS NOT PARALLEL WITH THE CENTERLINE OF VEHICLE. NEVER MOUNT THE BICYCLE FACING BACKWARDS.
- MAX ALLOWABLE BIKE WEIGHT: 35 LB (18 KG).
- NEVER EXCEED POSTED SPEED LIMIT.
- NEVER USE PRODUCT IF ANY PART IS DAMAGED OR MALFUNCTIONING, OR IF ANY SUCTION CUP IS UNABLE TO MAINTAIN FULL VACUUM FOR AT LEAST FOUR HOURS.
- ALWAYS CLEAN SMART SUCTION CUPS AND MOUNTING SURFACE OF VEHICLE BEFORE USING PRODUCT. ANY INTERFERENCE OR DEBRIS BETWEEN SUCTION CUP AND MOUNTING SURFACE CAN IMPACT RACK'S ATTACHMENT AND PERFORMANCE.
- DO NOT USE PRODUCT IF ANY SUCTION CUP IS NOT AT FULL SUCTION, AS INDICATED BY INDICATOR BAND ON THE PUMP – NO RED SHOULD SHOW AT PROPER SUCTION. REGULARLY CHECK INDICATOR BANDS ON SUCTION CUPS DURING USE.
- FORK MOUNT AND REAR WHEEL STRAP MUST BE CORRECTLY INSTALLED AND TIGHTENED TO PROPERLY CARRY THE BICYCLE. REGULARLY CHECK DURING USE TO CONFIRM THAT THE FORK MOUNT AND WHEEL STRAP ARE TIGHT AND BICYCLE IS SECURE.
- CONTACT CUSTOMERSERVICE@ALLEN.BIKE FOR ANY QUESTIONS OR REPLACEMENT PARTS.



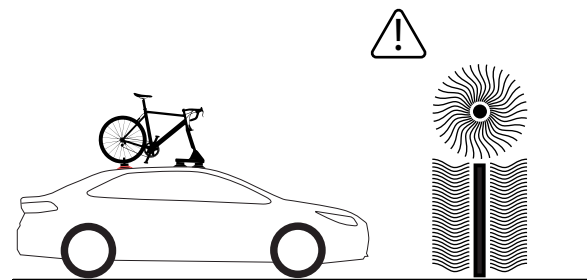
CAUTION:

Only use the Smart Suction™ Go 1-Bike Rack in accordance with local motor vehicle and traffic regulations

- ONLY INSTALL RACK AND LOAD BICYCLES AT A SAFE DISTANCE AWAY FROM MOVING TRAFFIC.
- INSTALLED BICYCLES SHOULD NEVER EXTEND BEYOND SIDE OF THE VEHICLE DURING TRANSPORT.
- MOUNT RACK ON THE PART OF THE ROOF THAT IS LEAST FLEXIBLE, SUCH AS JUST BEHIND THE FRONT WINDSHIELD.
- STRENGTH AND SUITABILITY OF GLASS PANORAMIC ROOF OR GLASS SUNROOF SHOULD BE VERIFIED BEFORE INSTALLING RACK ONTO THIS SURFACE.
- REMOVE RACK FROM VEHICLE WHEN NOT IN USE.
- DO NOT DISCARD RED PROTECTIVE CUP COVERS; RED PROTECTIVE CUP COVERS SHOULD BE CORRECTLY INSTALLED ON VACUUM CUPS WHEN THE RACK IS NOT BEING USED.
- INSPECT, CLEAN, AND LUBRICATE SMART SUCTION PUMPS REGULARLY TO MAINTAIN PEAK RACK PERFORMANCE.
- SMART SUCTION™ GO 1-BIKE RACK SHOULD ALWAYS BE USED IN CONJUNCTION WITH THE ALLEN SPORTS APP.

**Max 35 lbs.**

**Warning: Do Not park vehicle in Garage
with Rack or Bicycles installed on vehicle**



**Warning: Never enter Car Wash with
Rack or Bicycles installed on vehicle**

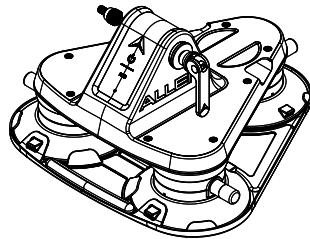


PARTS LIST

* drawings not to scale

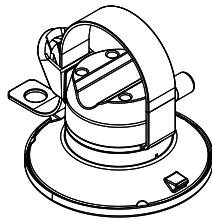
QUANTITY DESCRIPTION

1



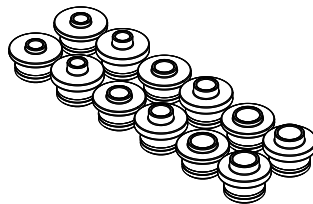
1X - Front Assembly

2



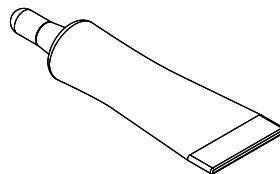
1X - Rear Assembly

3



1X - Thru-Axle Adapter Set

4



1X - Pump Lubricant Tube

5

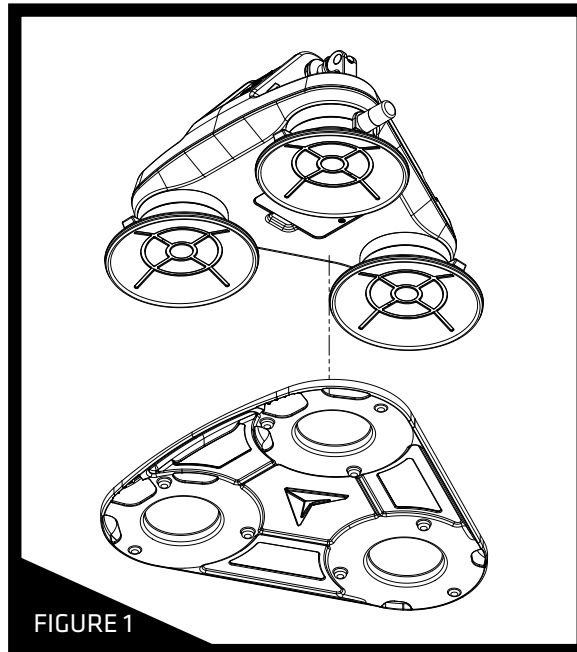


4X - AA Batteries (*NOT INCLUDED*)



SETUP INSTRUCTIONS

STEP 1: Remove red protective suction cup cover as shown in **Figure 1**.



STEP 2: Remove the battery access panel on the underside of the rack and keep the screws on hand as shown in **Figure 2**. Insert 4x - AA Batteries (**NOT INCLUDED**) according to the instructions marked on the rack. Replace the access panel and secure with the screws.

Tools Required: Phillips Head Screwdriver (NOT INCLUDED)

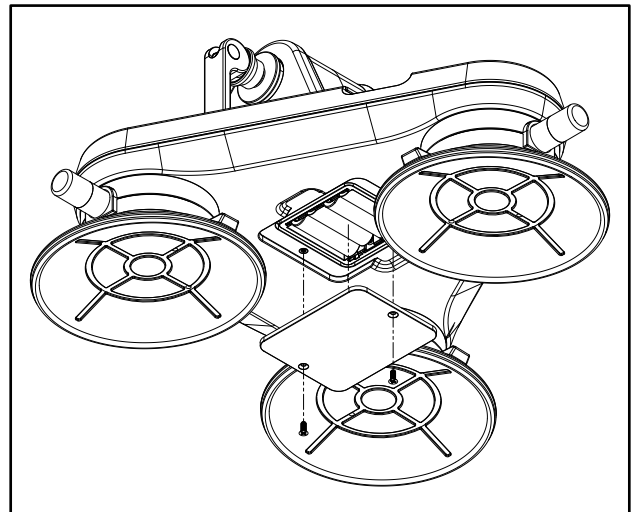
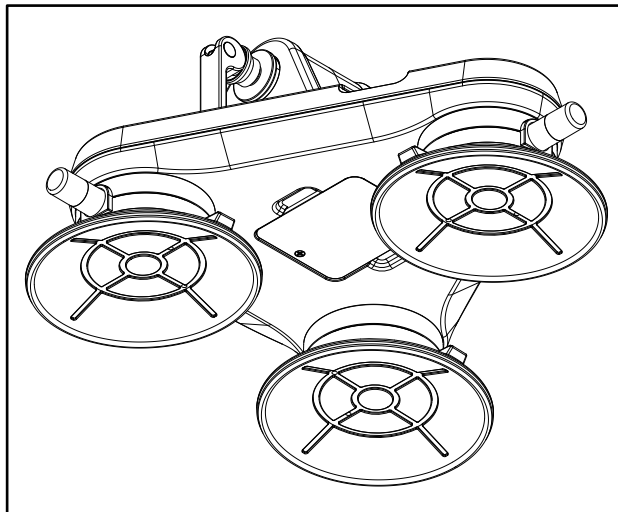


FIGURE 2



STEP 3: Replace the red protective suction cup cover. Reattach the front two cups first by lowering the Front Assembly into place as shown in **Figure 3**.

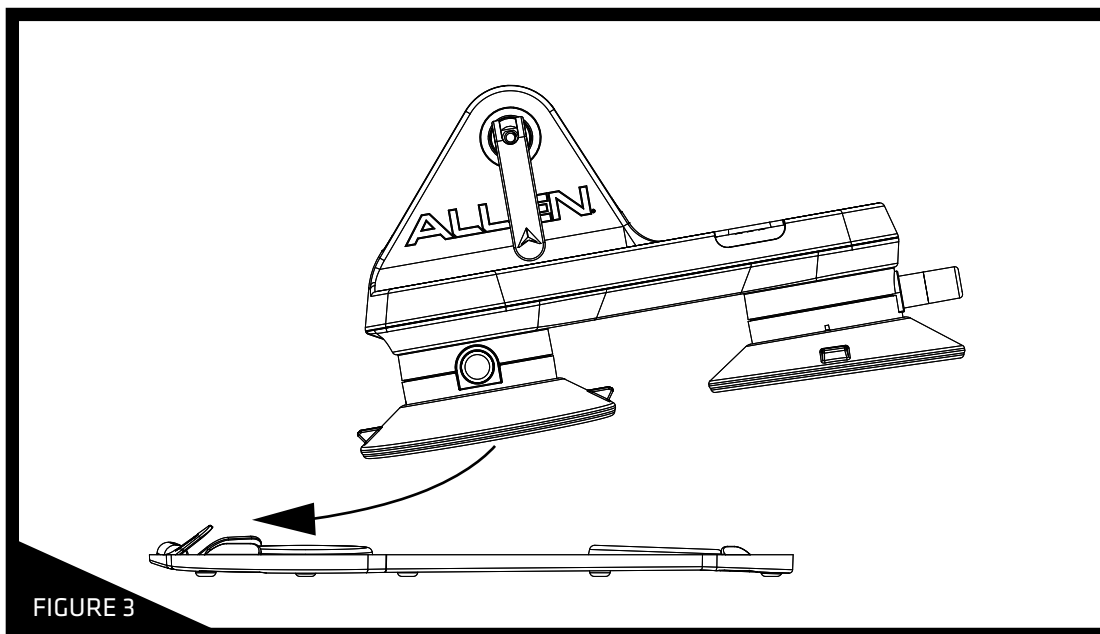


FIGURE 3

STEP 4: Ensure that the front cups are fully seated underneath the 3 overhangs on each side of the red protective suction cup cover. Ensure that the tab on the front of both front cups passes through the window on the middle overhang as shown in **Figure 4**.

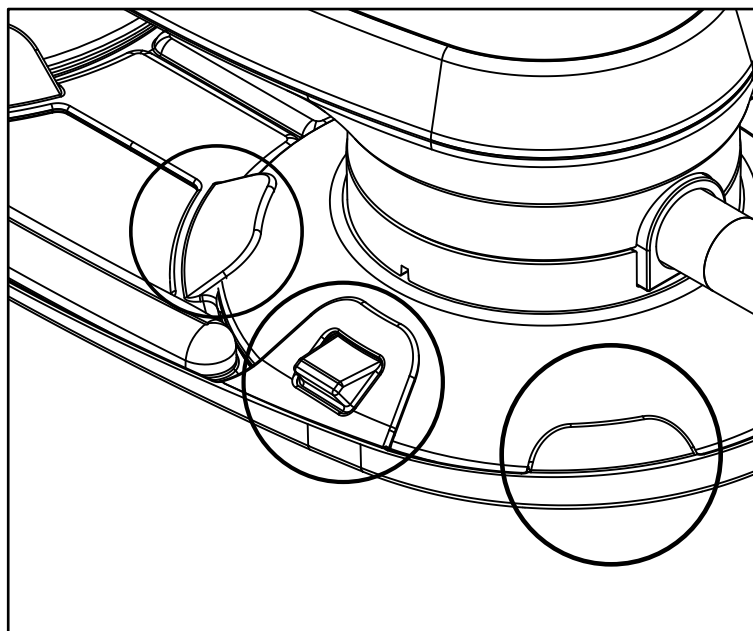


FIGURE 4



STEP 5: Lower the rear cup on the Front Assembly down into place within the red protective suction cup cover. Flex the rear cup beneath the two small overhangs as shown in **Figure 5**.

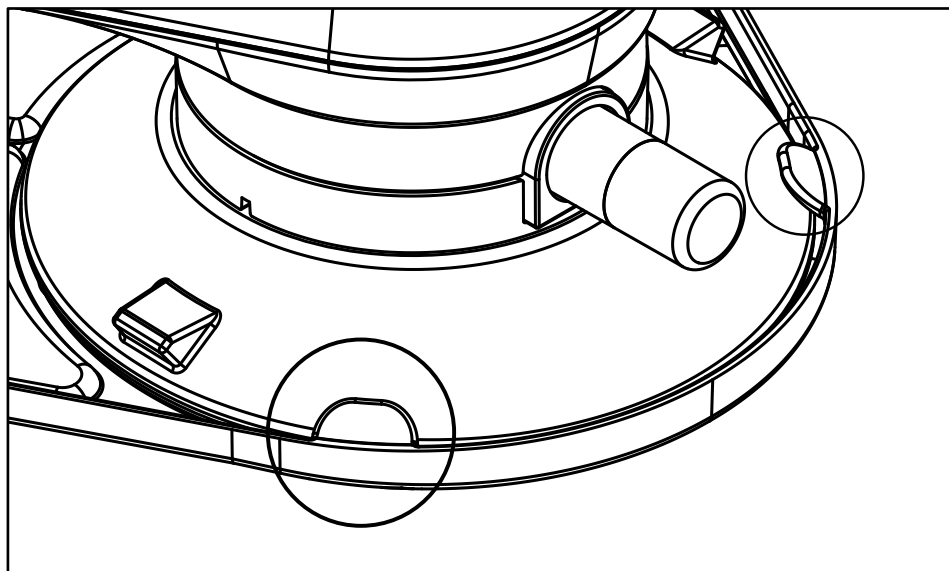


FIGURE 5



ALLEN

INSTRUCTIONAL OWNER'S MANUAL

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STEP 6: Install the Allen Sports App by scanning the QR Code below.

Tools Required: Smartphone (NOT INCLUDED)



<https://app.allen.bike/start>

STEP 7: Pair the Smart Suction™ Go 1-Bike Rack with the Allen Sports App. Ensure your mobile device has Bluetooth turned on and is in range of your bike rack. Sign in to the app using your existing account. If it's your first time, sign up to create a new account. Press and release the power button to turn on the rack, as shown in **Figure 2**. The status light should begin flashing. Add the bike rack to your devices by tapping the plus icon at the bottom of the home screen and then the blue "Detect Using Bluetooth" button on the next screen. Once device is found by the app, tap the green "Connect" button to begin pairing. The status light should change from flashing to solid when rack is paired.

STEP 8: Refer to the app for live updates of the suction system. The app will notify if any of the suction cups drop below the minimum pressure threshold. If you receive notifications that the suction cups have lost pressure, pump the suction cup plunger until the red band is no longer visible.

NOTE: If there is continued loss of pressure, discontinue use of the rack and refer to the trouble shooting guide for further assistance.

Tools Required: Smartphone (NOT INCLUDED)

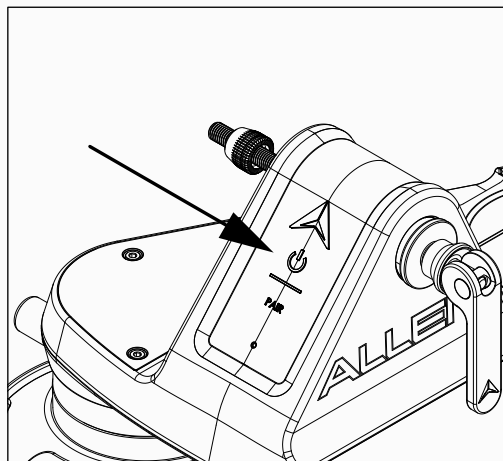


FIGURE 6

**FOR QUESTIONS REGARDING WARRANTY SERVICE, ASSEMBLY,
INSTALLATION, OR USE, PLEASE CONTACT**

ALLEN SPORTS USA

CUSTOMERSERVICE@ALLEN.BIKE

Please note that all returns and exchanges are subject to the return policy of the retailer where the product was originally purchased



R.A. ALLEN CO., INC. - 500 Beachland Blvd., Suite 1 - 1002; Vero Beach, FL 32963 - USA
customerservice@allen.bike

www.allen.bike

Product Designed in USA, Made in Shanghai, China



THRU-AXLE ADAPTER SIZING INSTRUCTIONS

STEP 1: The rack will come installed with [x2] 9mm x 100mm (Black) Thru-Axle Adapters by default, but this size can be swapped out with the appropriate pair of Thru-Axle Adapters below that fit your bike's thru-axle as shown in **Figure 8**.

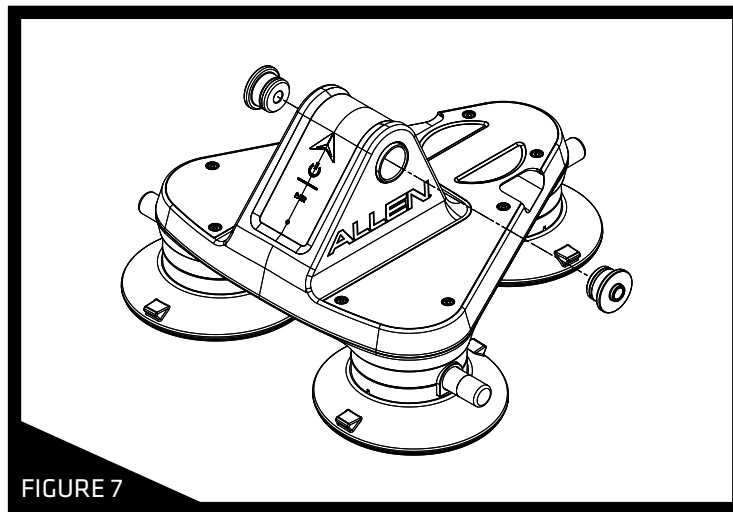


FIGURE 7

NOTE: The following pairs of Thru-Axle Adapters are also included:

- [x2] 9mm x 110mm (Red)
- [x2] 12mm x 100mm (Grey)
- [x2] 12mm x 110mm (Orange)
- [x2] 15mm x 100mm (Blue)
- [x2] 15mm x 110mm (Green)

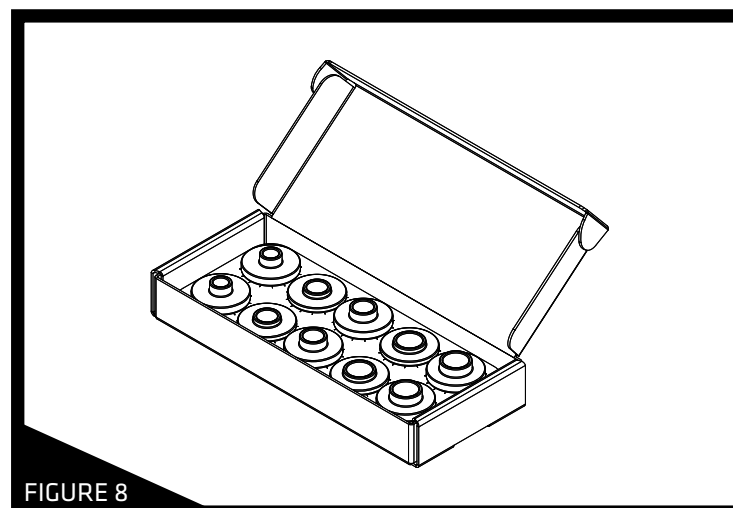


FIGURE 8

STEP 2: Test mount the bike to the rack.

With the front tire removed, lift the bike onto the rack. Depending on your bike's front axle system, follow the appropriate instructions below:

- *For bikes with quick release front wheels:*
Insert the front fork onto the supplied quick release skewer, as shown in **Figure 9**. Holding the lever in the "open" position, tighten the lock nut on the opposite end until snug. Once the front fork is securely in place, flip the lever to the "closed" position. Confirm that the skewer is tight and cannot rotate.
- *For bikes with thru axles:*
Making sure that you have the correct Thru-Axle Adapter for your bicycle installed onto the rack, use your bike's thru axle to secure the fork to the rack. Place the fork mounts onto the Thru-Axle Adapters installed in the rack. Insert the thru axle through the fork and rack mount, then tighten according to your bike manufacturer's specifications. Ensure the axle is fully seated and secured before continuing.

IMPORTANT: Do not remove red protective suction cup covers until instructed (Page 9).

NOTE: When the lever at the end of the skewer is full closed, or the thru-axle is fully secured, the bicycle fork must be completely tight and free of any movement inside of the clamp. The fork mount system functions similar to that of a normal quick release mechanism.

Tools Required: NONE

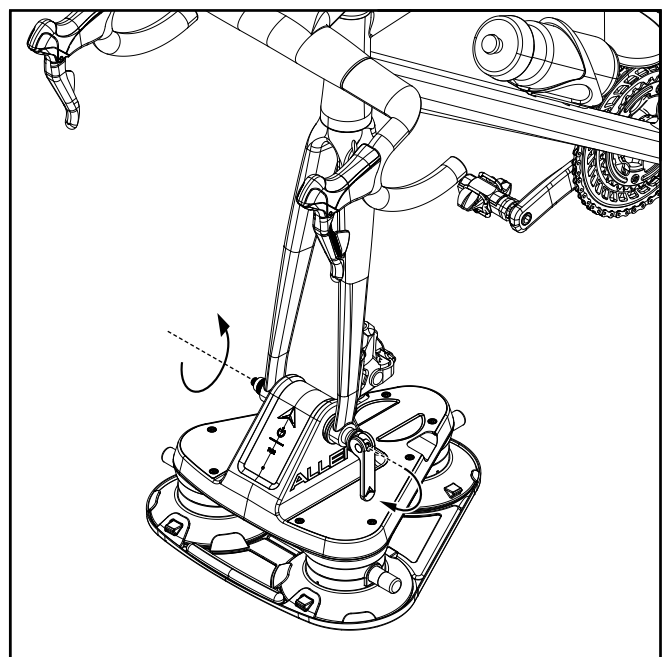
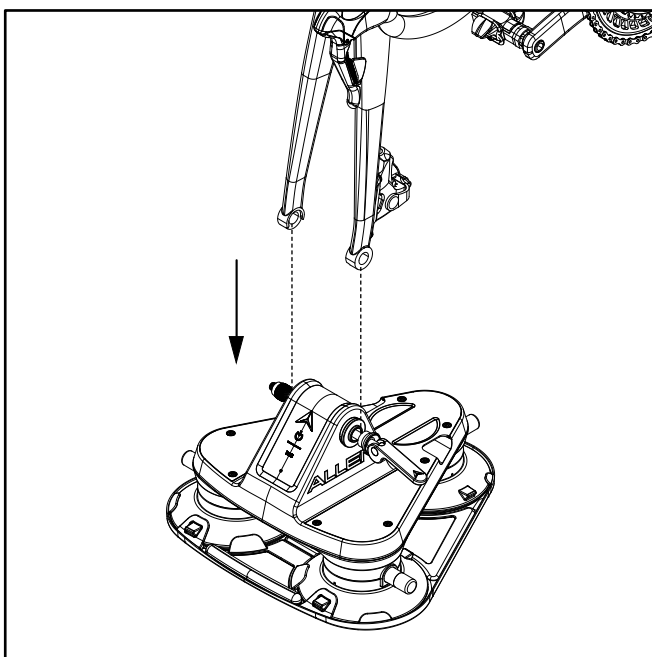


FIGURE 9



INSTALLATION INSTRUCTIONS

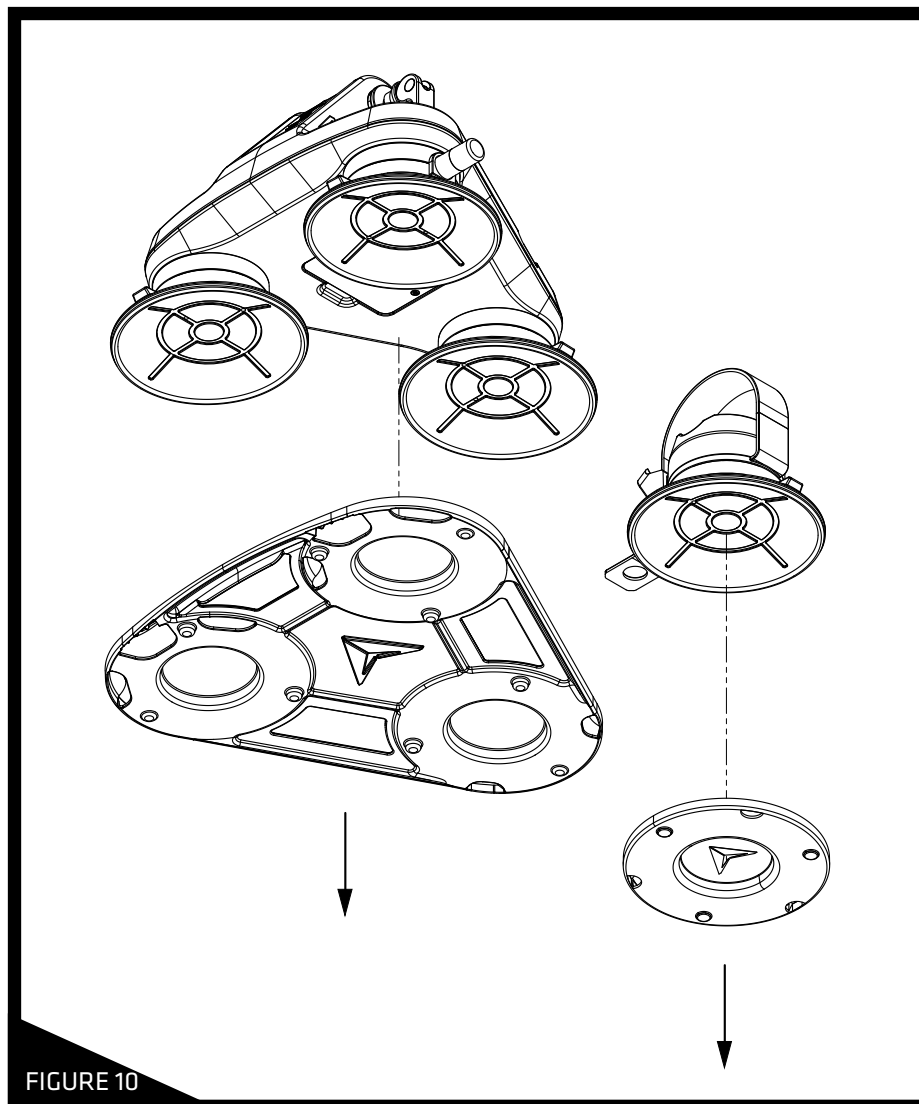
STEP 1: Ensure that the vehicle mounting surface(s) are clean and free from dirt or debris for optimal suction cup adhesion prior to installation.

STEP 2: Remove the red protective suction cup covers from the Front Assembly and Rear Assembly as shown in **Figure 10**. Ensure that the suction cups are clean and free from debris.

NOTE: It is recommended that the suction cups are cleaned with soap and water periodically to remove any dirt or debris. * See Section on Rack Maintenance for further instruction.

NOTE: Do NOT discard red protective suction cup covers.

Tools Required: NONE





STEP 3: Place the Front Assembly onto the vehicle facing forward in the desired location as shown in **Figure 11**.

Tools Required: NONE

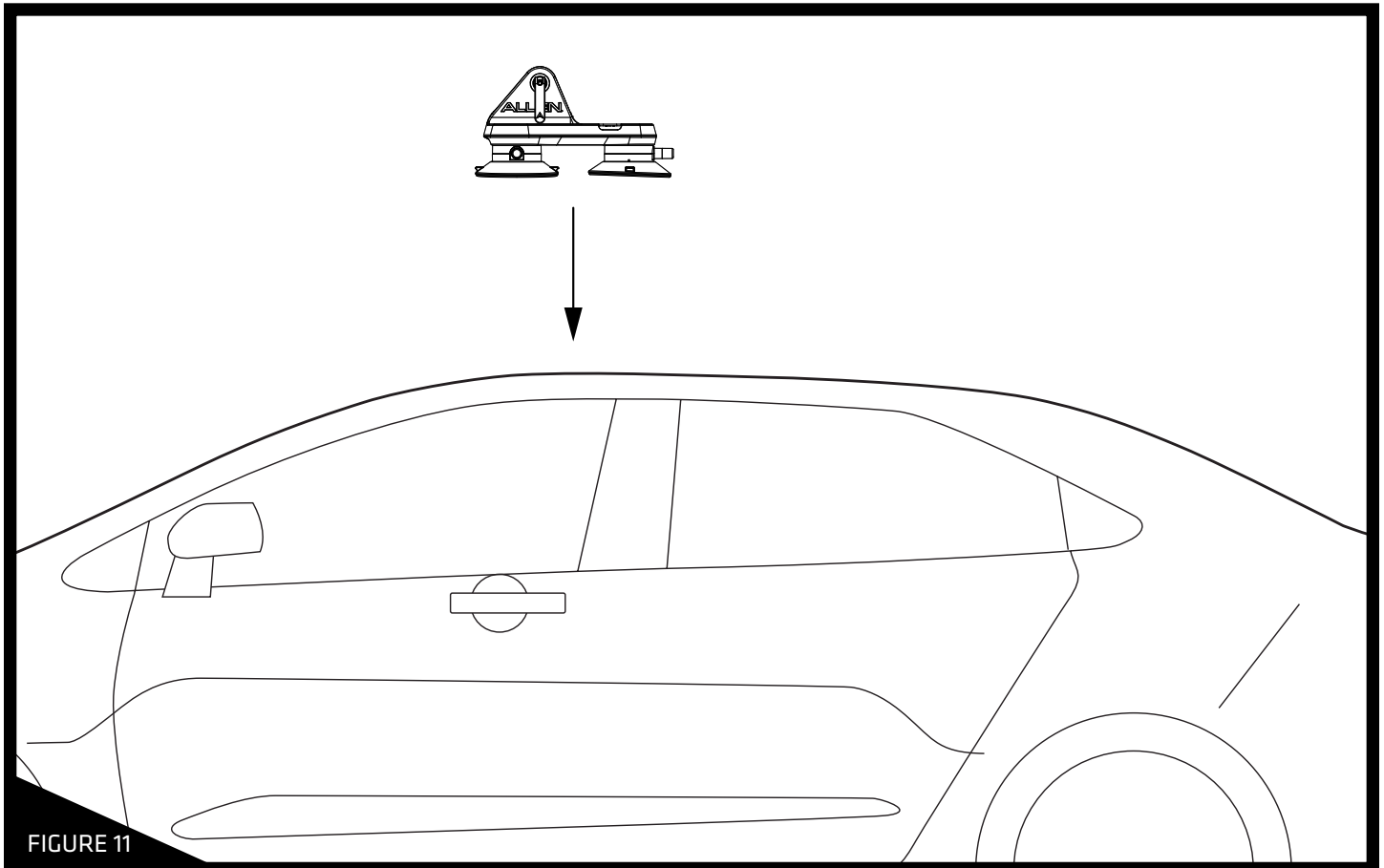


FIGURE 11

STEP 4: Create a suction seal by applying downwards pressure to the top of each cup and manually pumping each suction cup button as shown in **Figure 12**. Once the red barrel indicator on the button is no longer visible, the suction cup is properly sealed to the vehicle.

NOTE: Be sure to align the rack parallel with the centerline of the vehicle prior to sealing to mounting surface.

Tools Required: NONE

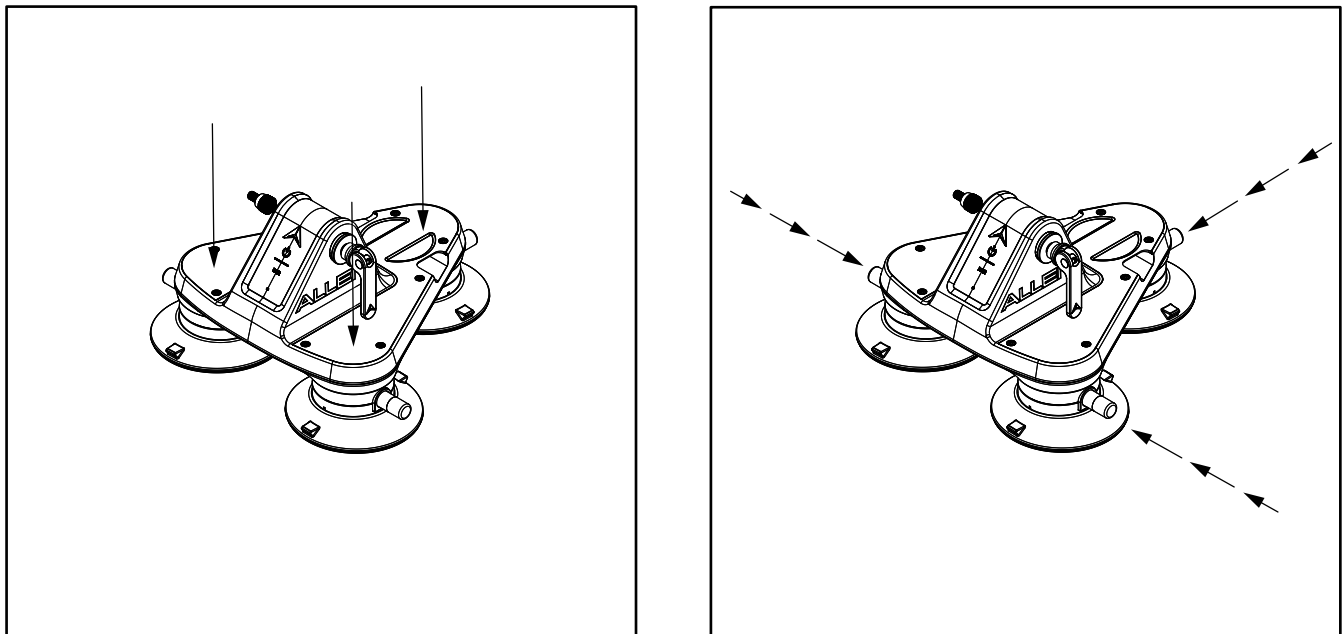


FIGURE 12

STEP 5: Mount the front fork of the bike onto the rack, as done previously when testing fit on the ground.

IMPORTANT: Bicycle cranks should be horizontal when placing the bicycle onto the rack to avoid potential damage to the vehicle from the pedals.

STEP 6: Place the Rear Assembly underneath the center of the rear tire of the bike in either orientation shown below in **Figure 13**. Feed the rear wheel strap through the spokes and the end of the strap down through the ratchet on the opposite side. Pull down tightly to secure the rear wheel in place.

NOTE: The Rear Assembly can be mounted either in a right or left orientation depending on which makes the strap more accessible for tightening. Mount the Rear Assembly based on whether you will be accessing the rack from the left or right side of your vehicle.

NOTE: To release your bike, press the button on the ratchet buckle and pull out the strap.

Tools Required: NONE

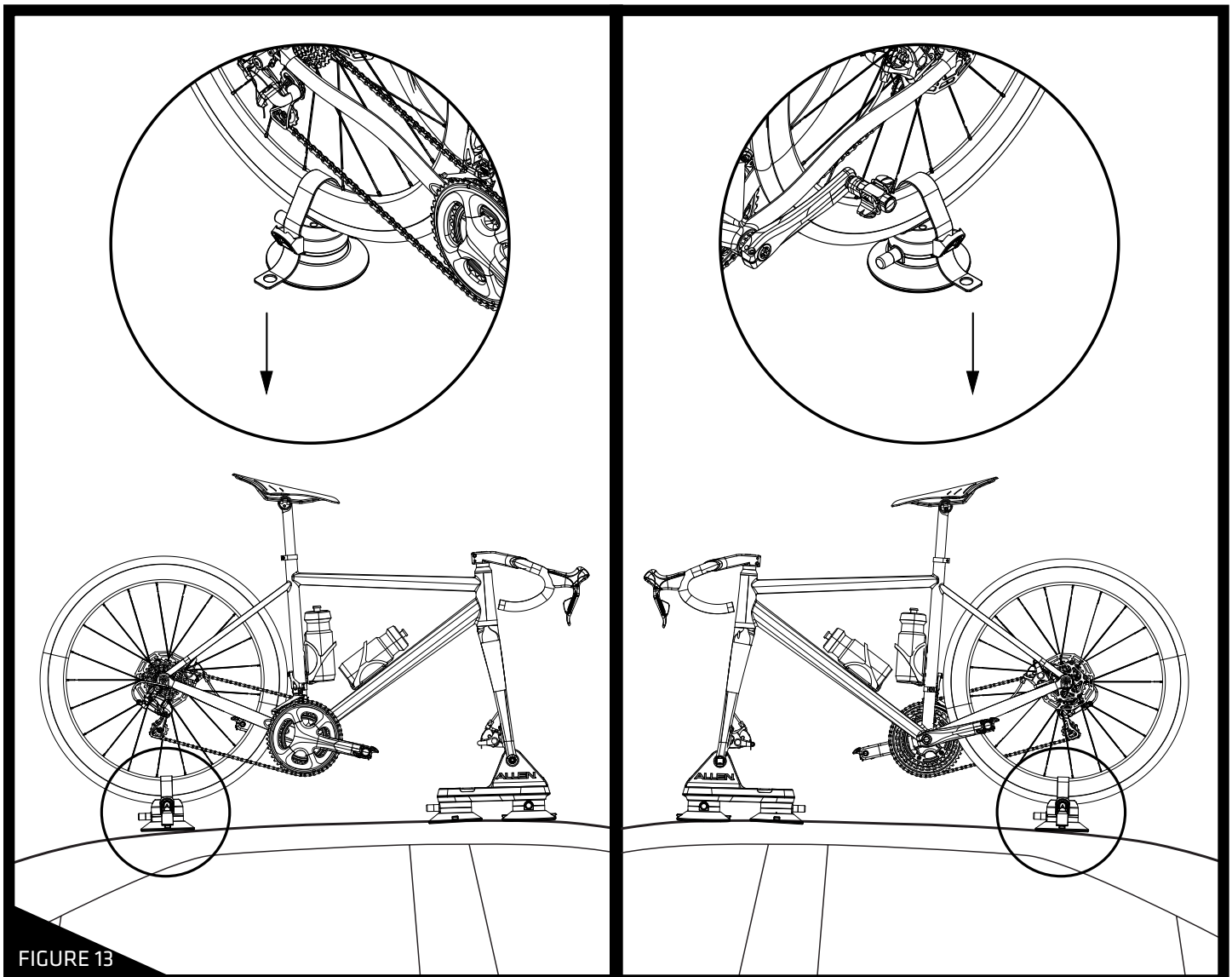


FIGURE 13

STEP 7: Create a suction seal by applying downwards pressure to the top of the Rear Assembly and manually pumping the button on the suction cup as shown in **Figure 14**. Once the red barrel indicator on the button is no longer visible, the suction cup is properly sealed to the vehicle.

IMPORTANT The Rear Assembly is not monitored by the Allen Sports App, so it will not provide live updates or notify if it drops below the minimum pressure threshold. Check on the Rear Assembly periodically to confirm that suction is still present. If needed, pump the suction cup plunger until the red band is no longer visible.

Tools Required: NONE

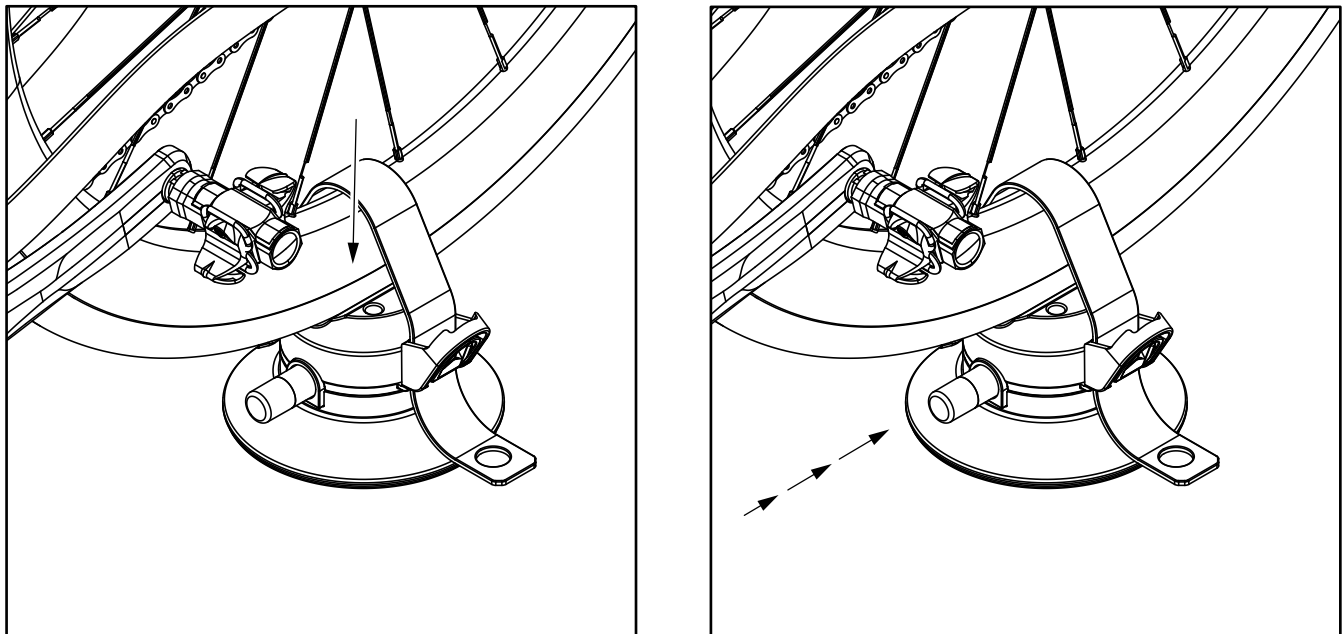


FIGURE 14



STEP 8: Remove the Smart Suction™ Go 1-Bike Rack from the vehicle as shown in **Figure 15**. Locate the tabs on the outer sealing edge of each suction cup. Lift up on the tabs to release pressure and break the suction seal on each of the four suction cups. The rack is now free to remove from the vehicle. Replace the red protective suction cup covers.

NOTE: It is recommended that the Smart Suction™ Go 1-Bike Rack be stored indoors to preserve electronic components and increase the longevity of the suction cups.

Tools Required: NONE

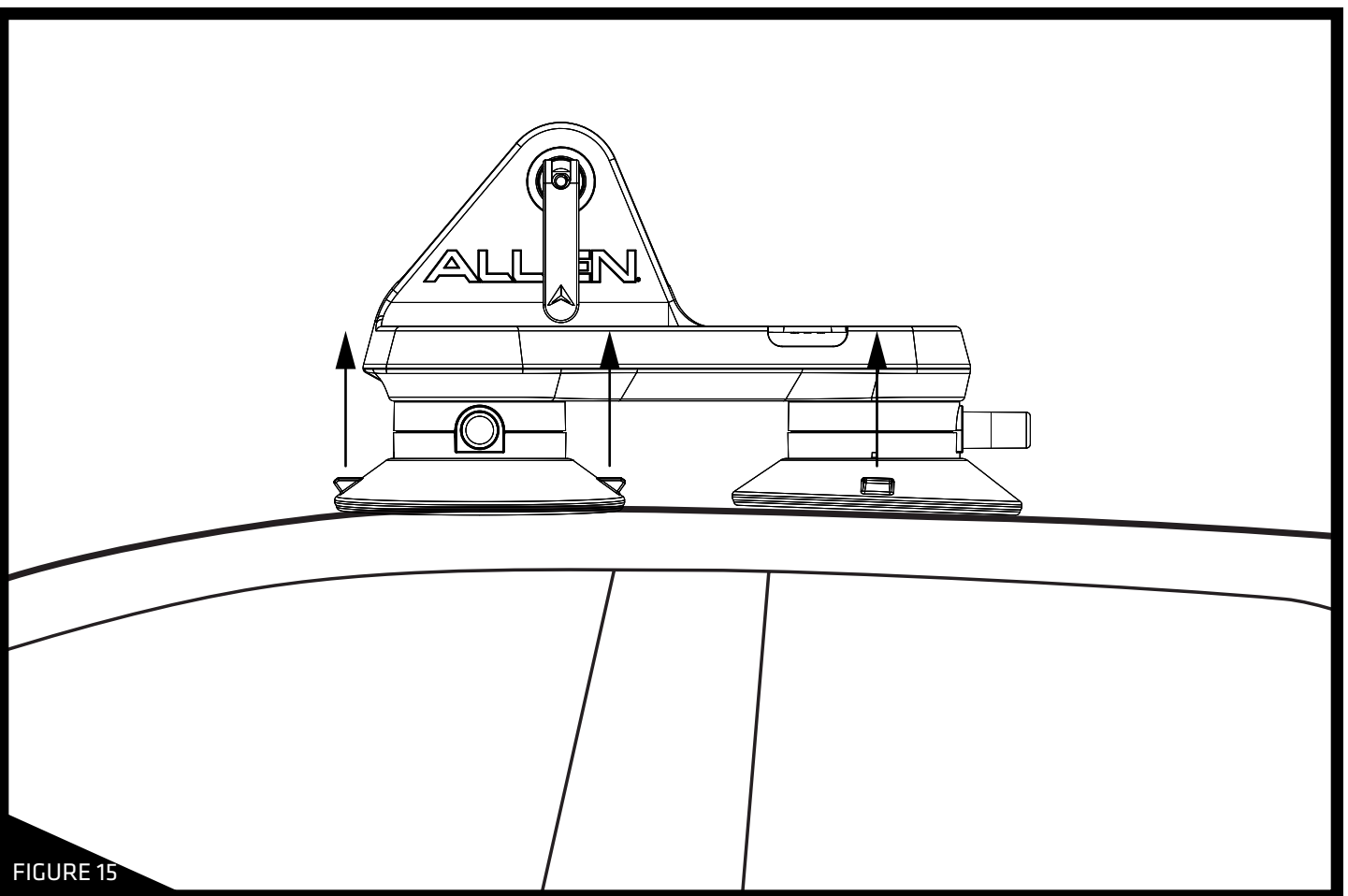


FIGURE 15

STEP 9: Turn off the Smart Suction™ Go 1-Bike Rack by pressing the power button located on the front prior to storing.



TROUBLESHOOTING GUIDE

PROBLEM	POTENTIAL CAUSES	HOW TO FIX
Slow Leakage	Dry mounting surface or suction cup	Apply water to the mounting surface or the sealing edge of the suction cup
	Cuts or damage on the edge of suction cups	Replace the Suction Cups
	Dirt in pump	Clean the plunger assembly and the inside of the pump cylinder
	Dry pump	Apply a light coating of the lubricant provided to the seal on the tip of the plunger
	Scratches on the inside of the cylinder	Replace the pump
	Dirty suction cup	Clean the mounting surface or move your Rack to a smooth, clean, flat surface, or apply water to the mounting surface or the sealing edge of the suction cups
Severe Leakage	Cuts or damage on the edge of suction cups	Replace the suction cups
	Damaged pump	Replace the pump
	Dirty or uneven mounting surface	Clean the mounting surface or move the rack to a smooth, clean, flat surface
Jammed or Sluggish Pump	Dry pump	Apply a light coating of the lubricant provided to the seal on the tip of the plunger
	Clogged or obstructed valve stem	Remove the obstruction
	Dirt in pump	Clean the plunger assembly and the inside of the pump cylinder
Suction Cup Slipping	Dirty mounting surface	Clean the mounting surface
	Dirty suction cup	Clean the vacuum pad



RACK MAINTENANCE GUIDE

- Examine the rack before each use for any debris and any missing or damaged parts.
- If debris is present, clean the suction cups with soap and water. Do not clean the suction cups with an abrasive cleaning pad as this can cause damage and compromise their efficacy.
- After each use make sure to replace the red protective suction cup covers.
- Store in a dry area when not in use.

CLEANING THE PUMPS

- To clean the pump, separate the plunger from the pump body.
- Apply the included lubricant to the rubber plug at the end of the plunger as shown in **Figure 16**.

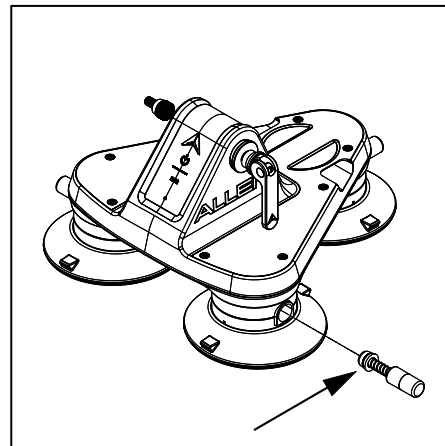
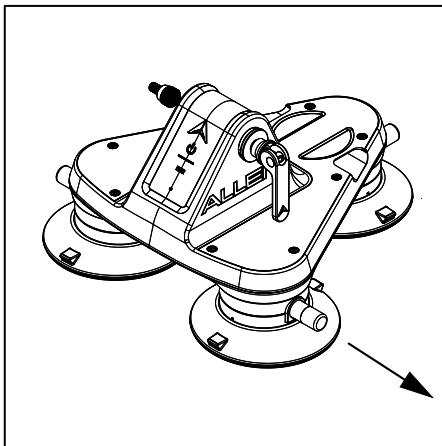


FIGURE 16

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Product Designed in USA, Made in Shanghai, China