

ATLAS

R O A D C A M P

RAM PROMASTER

Rear Door Racks – Driver Side

Tire rack

Tire Rack & Ladder Combo

Multifunction panel



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WARNINGS

SAFETY WARNINGS

****ATLAS Roadcamp is not responsible for any injury during the installation, maintenance and use of an ATLAS Roadcamp product.****

It may take several hours for an accessory to be installed for the first time.

Make sure you always:

- Be 2 people for the installation and/or assembly of an Atlas Roadcamp accessory
- For rack or ladder installation; Be secured with an approved safety harness and an approved anchorage point higher than the vehicle at all times when installing a side ladder. If this is not possible, at least 8-foot scaffolds and/or stepladders must be used on each side of the vehicle in order to work safely. The risk of falling from the top of a vehicle is significant.
- Wear cut-resistant gloves and safety glasses.

If you have any hesitations when installing an ATLAS Roadcamp accessory, stop work and contact ATLAS Roadcamp.

TECHNICAL WARNINGS

****FOR ALL BOLTS ASSEMBLED WITH A NUT, IT IS MANDATORY TO APPLY ANTI-SEIZE (ANTI-SEIZE) SUPPLIED WITH YOUR HARDWARE TO ENSURE THAT THE BOLT/NUT ASSEMBLY DOES NOT SEIZE. ****

If applicable for your accessory: **It is important that the square of the carriage bolts is fully engaged in the square bores before tightening.**

- Before starting the installation, it is advisable to apply a protection on the roof of your vehicle (plastic or cardboard) to protect it.
- All bolts and nuts must be tightened by hand (using ratchets, Allen wrenches and torque wrench).
- DO NOT use impact drivers, as the hardware is made of stainless steel, so it can easily grip and become unusable.
- Nylock nuts are used in the assembly of ATLAS brackets. It is not recommended to tighten and loosen this type of nut repeatedly.
- All assemblies without nylon nuts require the use of a thread blocking adhesive such as LOCTITE 242 or LOCTITE 243 or LOXEAL 54-03. It is important to apply it properly in the areas prescribed in this guide.

GENERAL WARNINGS

- The installation of an ATLAS Roadcamp accessory and any other components (fans, air conditioning, roof boxes, lighting components, etc.) on the exterior of your vehicle may cause or accentuate whistling, turbulence and/or vibrations. ATLAS Roadcamp is not responsible for any noise, hissing, vibration or turbulence caused by the addition of external components to the vehicle.
- ATLAS Roadcamp is not responsible for any increased fuel consumption of your vehicle as a result of the installation of a roof rack or side ladder.
- Respect the maximum roof loads as well as the maximum heights prescribed by the manufacturer of your vehicle.
- ATLAS Roadcamp is not responsible for other unintended uses or facilities.
- Any modification or alteration to an ATLAS Roadcamp accessory not approved by ATLAS Roadcamp may void the product warranty.
- The addition of components not approved by ATLAS Roadcamp may void the product warranty.

INTERVIEW

- All torques must be checked after the first 100 km and 500 km driven with the vehicle following the installation of a ladder.
- At each change of season, check that the hardware is properly tightened and the overall positioning of the ladder.

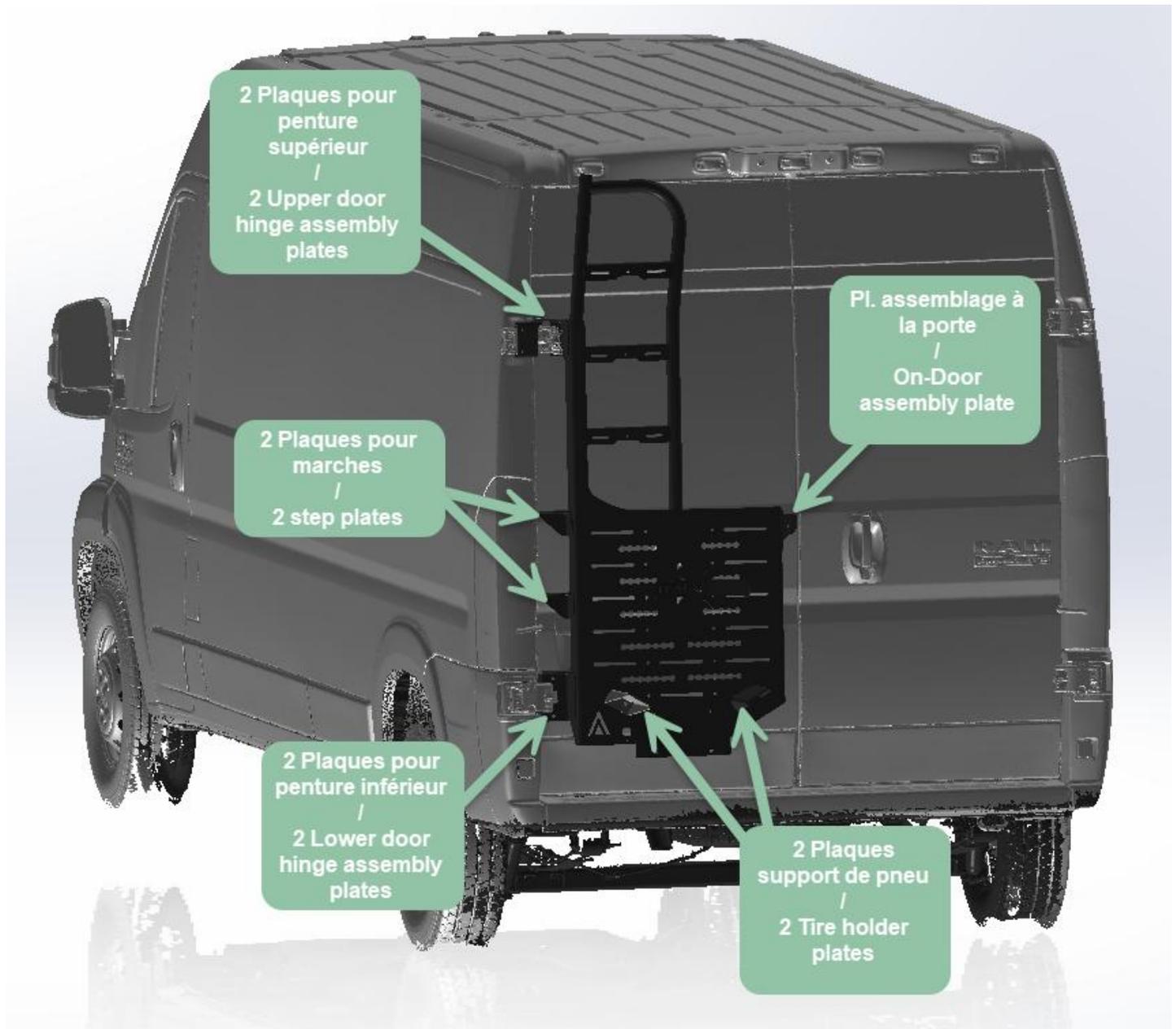
POLICY AND PRIVACY

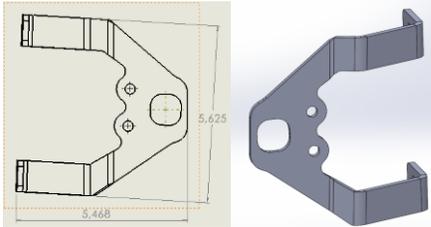
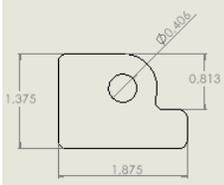
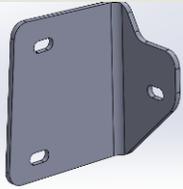
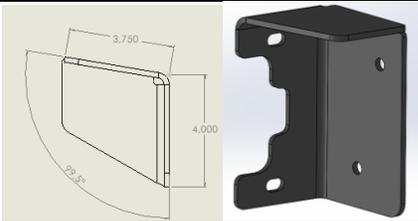
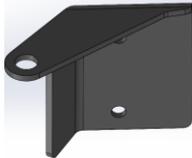
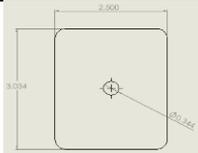
The customer is responsible for being informed of the "policy and privacy" page of the Atlas Roadcamp website:
<https://atlasroadcamp.com/politique-de-confidentialite>

- ATLAS RC Limitations of Liability: ATLAS RC is not liable for any damages resulting from improper use, excessive loading, improper assembly, abuse, accident, neglect, improper installation, theft, or unauthorized modifications.

MATERIALS NEEDED

EQUIPMENT PROVIDED



Quantity	Description	Image	Utility
2	Phibia Neoprene Round 3/8 Thick		For the 3rd point
1	Top hinge plate		Upper hinge connection
1	Bottom hinge plate (Square Hole)		Bottom hinge assembly
2	Shim		
1	On-Door assembly plate		Assembly with the driver's side door
1	Bottom support plate		Bottom hinge assembly
1	Top support plate		To attach after the top hinge plate
1	Reinforcement plate		To come put inside the door in the center plate assembly
3	Square 3M transparent		Protect the paint from hinges
1	Light		

Optional – Only with the tire rack option			
Quantity	Description	Image	Utility
2	Tire supports		
2	Pegs		Serve as steps to climb the ladder
1	Bolt 5/8" x 12"		Tire retaining bolt
1	Bolt Retainer Plate 5/8" x 12"		Pre-assembled on the bolt
1	Urethane hub adapter		Pre-assembled on the bolt
1	Clamping handle		Tighten the tire in place

A pouch of anti-seize.

****IMPORTANT: Put anti-seize on the threads of all bolts before inserting the nuts. ****



HARDWARE PROVIDED

Qty Total	Description	Image	Utility
22	Washer SS 3/8		
12	Nylock SS 3/8		
1	Button Head Bolt SS 3/8 X 2-1/4"		Through the Door
8	Button Head Bolt SS 3/8 X 1-1/4"		
2	Button Head Bolt SS 3/8 X 1-1/2" SEPARATE BAG		
2	Nylock 1/4		
2	Socket head #10 X 3/4		
2	Washer #10		
2	Nylock #10		
2	Button Head Bolt SS 1/4 X 3/4"		
4	Washer 1/4"		
1	Boulon Hex 3/8" Special		
2	Shoulder Washer		
1	Anti-seize		

Optional – Only with spare tire option

Qty Total	Description	Image	Utility
8	Washer SS 3/8		
4	Nylock SS 3/8		
4	Button Head Bolt SS 3/8 X 1-1/4"		
3	Washer SS 5/8		Assembled on the bolt
2	Split washer SS 5/8		Assembled on the bolt
1	NUT 5/8 Zinc plated (NOT NYLOCK and NOT SS)		Assembled on the bolt
1	Hex head 1/4 x 1		Assembled on the bolt
1	Nylock 1/4		Assembled on the bolt
1	Boulon 5/8 SS 14"		Assembled on the bolt

Optional – Only with the Pegs option

Qty Total	Description	Image	Utility
8	Washer SS 3/8		
4	Nylock SS 3/8		
4	Button Head Bolt SS 3/8 X 1-1/4"		

NECESSARY TOOLS AND MATERIALS NOT INCLUDED

EZLINER

Metal Paint



INSTALLATION STEPS

1. COMPONENT ASSEMBLIES ON THE RACK

*****If applicable – option tire holder and footrest, otherwise go to step 2.*****

1.1 Assemble the 2 pegs (TIRE AND LADDER COMBO ONLY)



REQUIRED MATERIALS

- 4 Round Head Bolts 3/8" x 1-1/4"
- 8 x 3/8" washers
- 4 x 3/8" nuts

ASSEMBLY STEPS

- Insert the washers onto the bolts.
- Insert the bolts through the pegs and rack.
- Put anti-seize on the threads.
- Insert a washer and screw in the nut.
- Tighten to a 30 Nm torque.



1.2 Assemble the 2 Tire Mounts (Tire Rack Only)



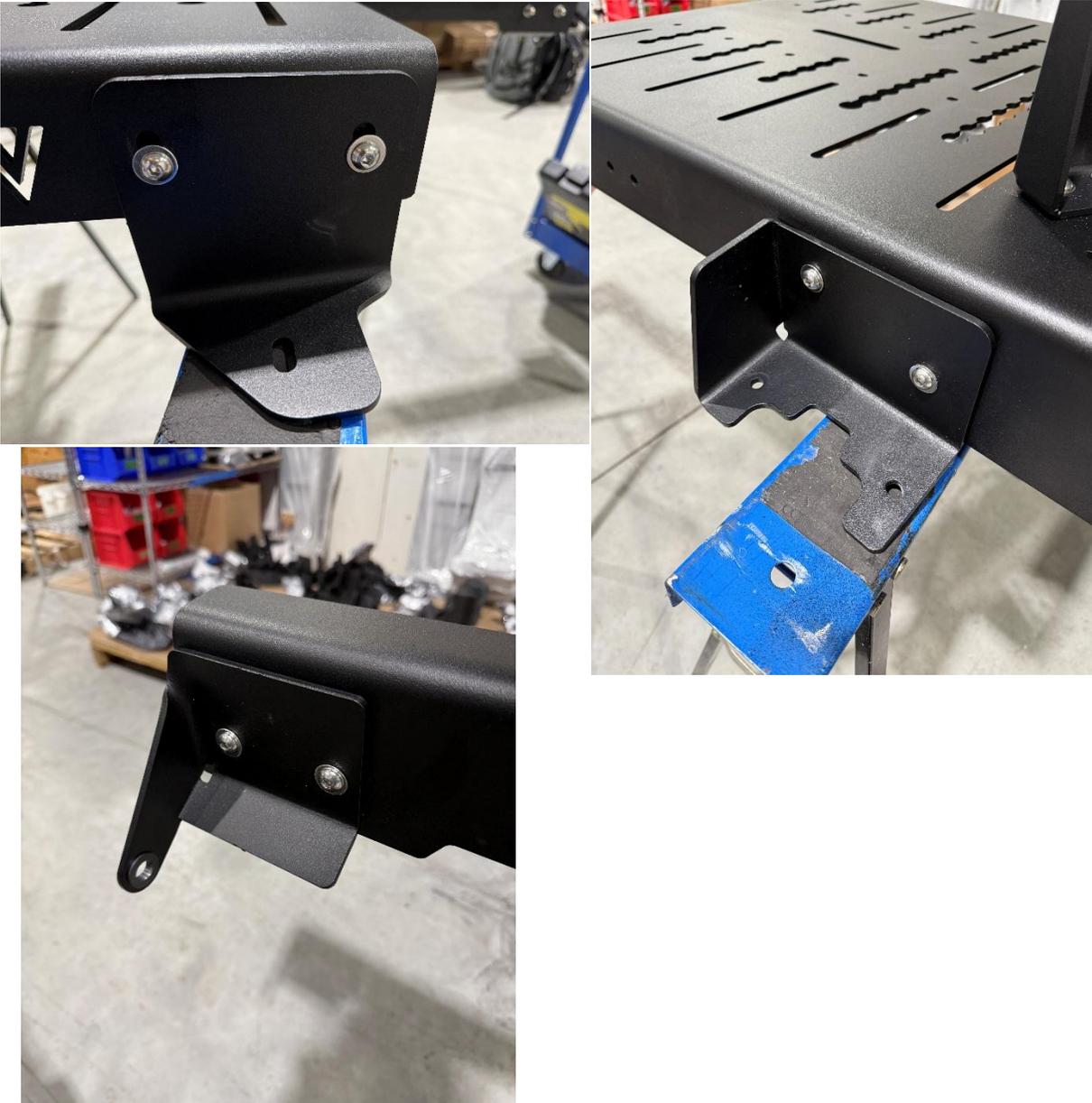
REQUIRED MATERIALS

- 4 Round Head Bolts 3/8" x 1-1/4"
- 8 x 3/8" washers
- 4 x 3/8" nuts

ASSEMBLY STEPS

- Insert the washers onto the bolts.
- Insert the bolts through the tire supports and rack.
- Put anti-seize on the threads.
- Insert a washer and screw in the nylock.
- Tighten to a 30 Nm torque.

1.1. Assemble the support plates on the rack (Top and Bottom)



REQUIRED MATERIALS

- 6 Round Head Bolts 3/8" x 1-1/4"
- 12 x 3/8" washers
- 6 x 3/8" nuts
- Insert the washers onto the bolts.
- Insert the bolts through the support plates (Top and Bottom).
- Put anti-seize on the threads.
- Insert a washer and screw in the nut.
- Behind slightly, make sure there is some movement between the plates for adjustment.

1.2. Assemble the light on the panel



REQUIRED MATERIALS

- 2 #10 x 3/4" Socket Head Bolts
- 2 rounds #10
- 2 #10 Nylon Nuts

- Insert the bolts through the light.
- Put anti-seize on the threads.
- Insert a washer and screw in the nut.
- Tighten to 3 Nm.

2. REMOVE THE PLASTIC PANEL INSIDE THE VEHICLE DOOR

- Simply pull gently on the panel so as not to break the plastic anchors.
- Remove all plastic anchors from the door.
- Reposition the door panel so that it can be clipped on again at the end of the installation



3. PLACEMENT OF PLATES ON HINGES

3.1 BOTTOM HINGE

REQUIRED MATERIALS

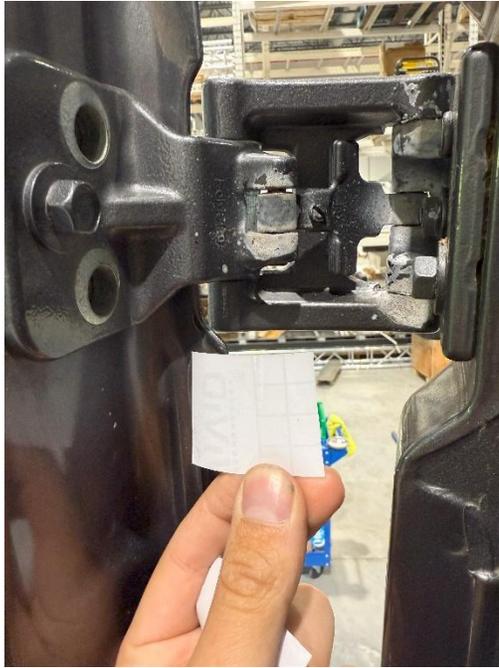
- Remove the bolts (top and bottom) from the bottom hinge



- Insert the washers onto the bolts.
- Insert the bolts through the bracket.
- Install the bottom hinge plate.
 - Make sure you have between 1/16" and 1/8" of clearance between the arms of the stand and the door.
 - Use 5/16" washers to space as needed.
- Put anti-seize on the threads.
- Tighten to a torque of 24 Nm.



- Protect the paint with vinyl by sticking it to the indicated areas.



3.2 TOP SUPPORT

**We suggest protecting the front panel from the top hinge to prevent damage to the hinge.



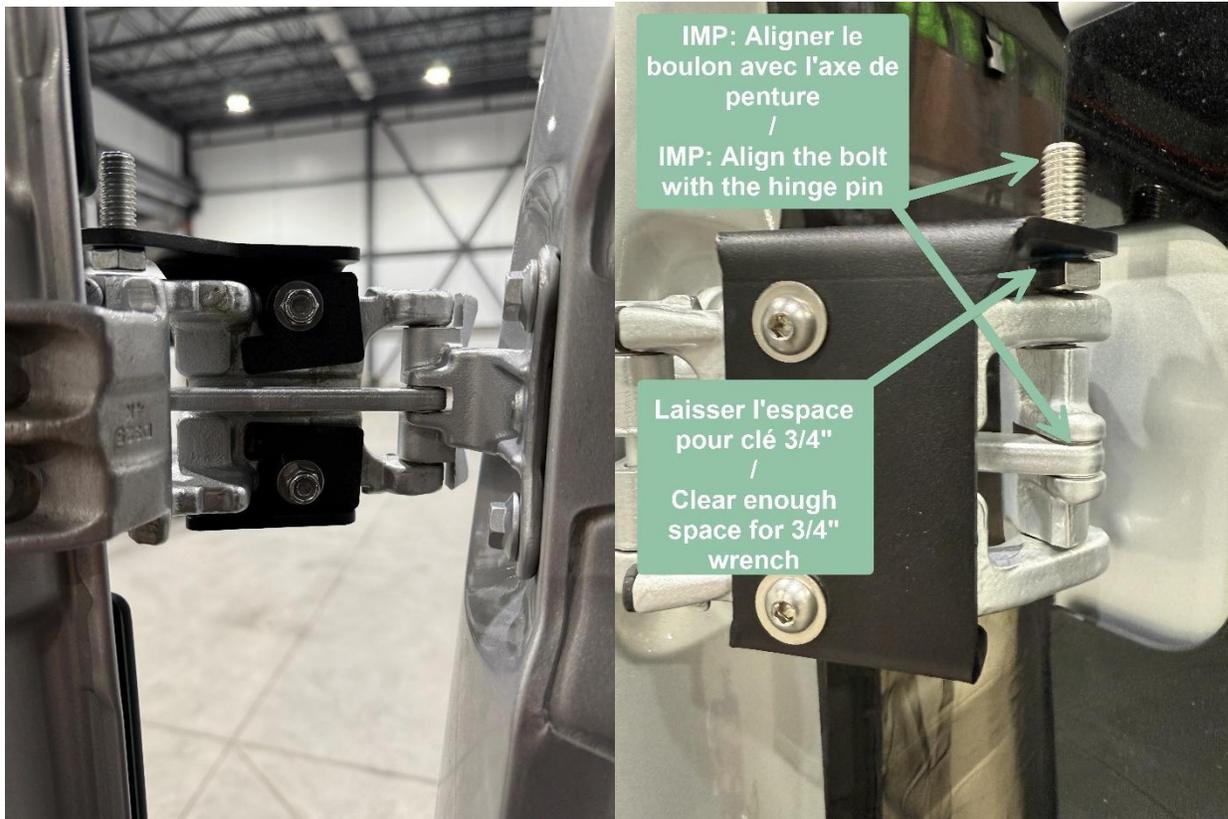
- Place the bolt with shoulder and the bearing on the upper hinge plate.



- Position the upper hinge plate on the upper hinge using a 3/8" X 1.5" bolt, 2 washers and a nut. Tighten the nut by hand only.



- Repeat for the bottom bolt and tighten both bolts tightly while making sure to place the shoulder bolt as close to the hinge rod as possible. Make sure to leave a space for your 3/4" wrench and place the plate horizontally.



4. ASSEMBLE THE RACK ON THE HINGE PLATES



REQUIRED MATERIALS

- 2 Round Head Bolts 3/8" x 1-1/4"
- 2 x 3/8" pucks
- 2 x 3/8" nuts

4.1. Take the complete rear door bracket and pass it through the top bolt.



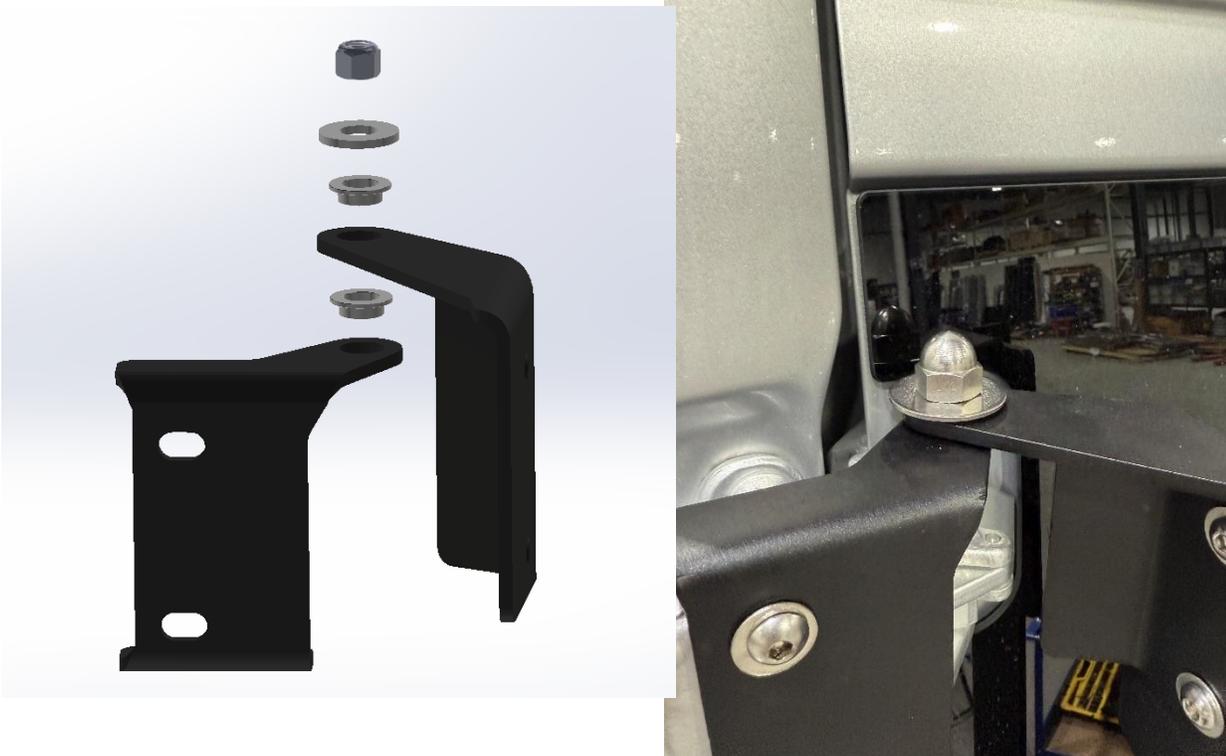
4.2. Insert the washer onto the bolt. Insert the bolt through the bottom support plate and the rack.



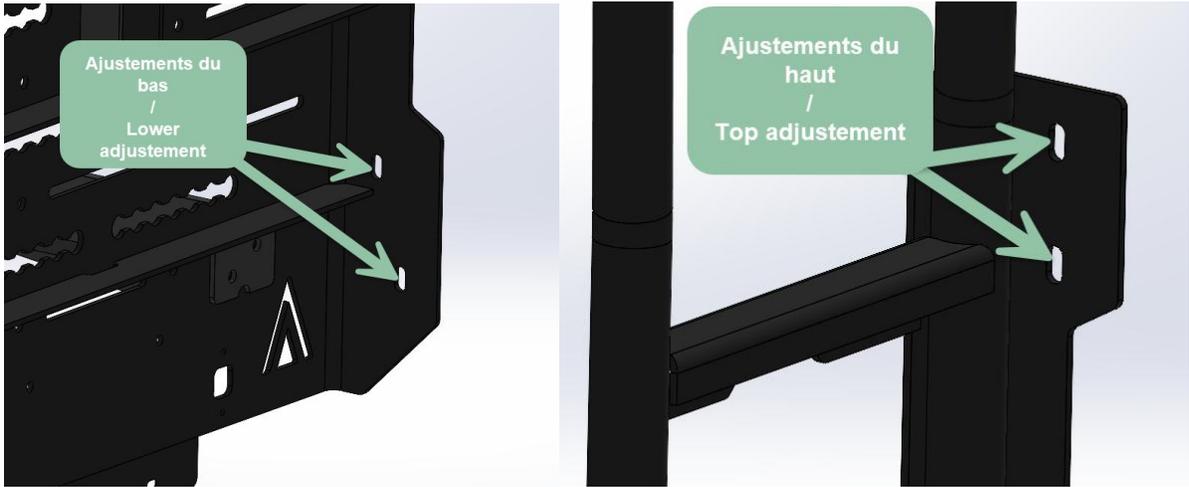
4.3. Insert a washer and screw in a nut manually.



4.4. Place the washer and nut on the top shoulder bolt. Tighten to 10 Nm.



4.5. Repeat the previous steps to add the 2nd bolts and make sure the load is evenly distributed between the two plates. Otherwise, use the adjustments in the door bracket plate.



4.6. Tighten the 4 bolts connecting the bracket to the 2 hinge plates to a 30 Nm torque with Allen wrench and ratchet wrench.

5. INSTALL THE LIGHT



- Remove the light of your choice from its location (the one on the right is easier since it gives you more cable for the future).



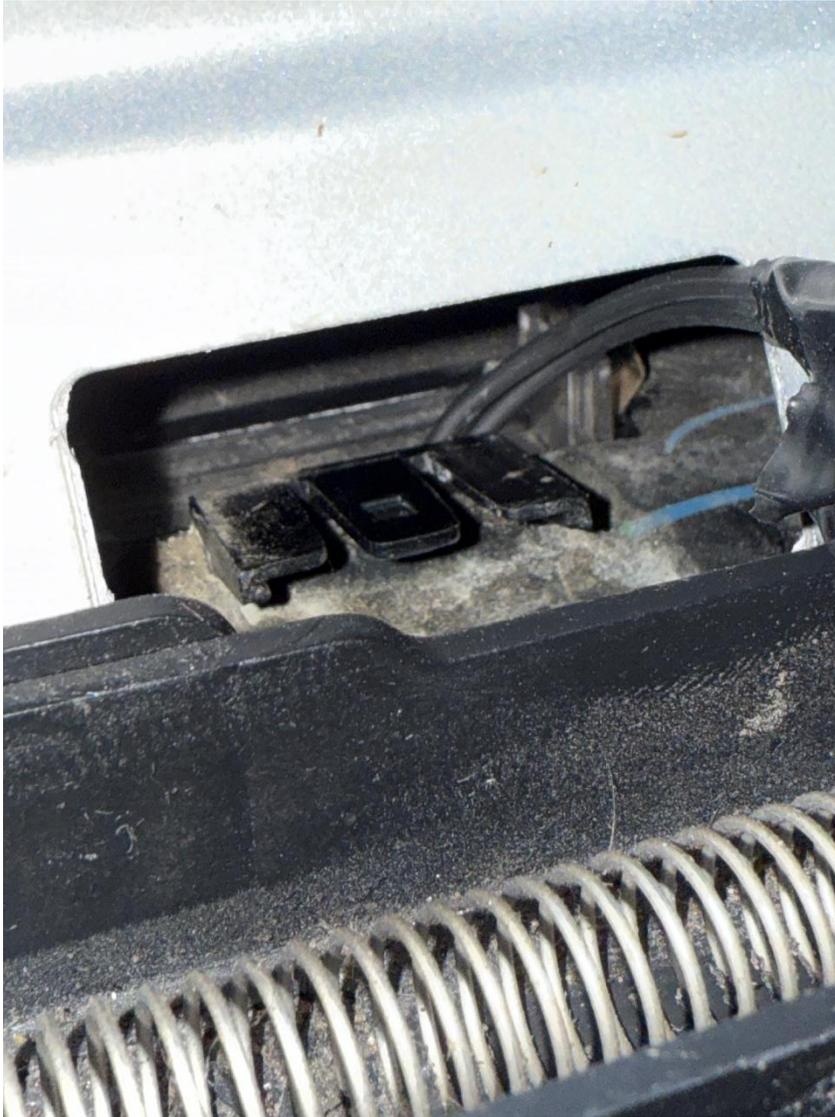
- Remove the light protector using a flat screwdriver.



- Pass the cable through the hole in the protector.



- Cut the light cable from the Promaster and join it to the light cable from the rear door bracket.
- Replace the protector and wedge the cable in between.



6. INSTALL THE ON-DOOR ASSEMBLY PLATE



REQUIRED MATERIALS

- 2 Round Head Bolts 3/8" x 1-1/4"
- 1 round head bolt 3/8" x 2-1/2"
- 6 3/8" pucks
- 3 x 3/8" nuts
- On-Door assembly plate
- Reinforcement Plate
- 2 neoprene 3/8" round

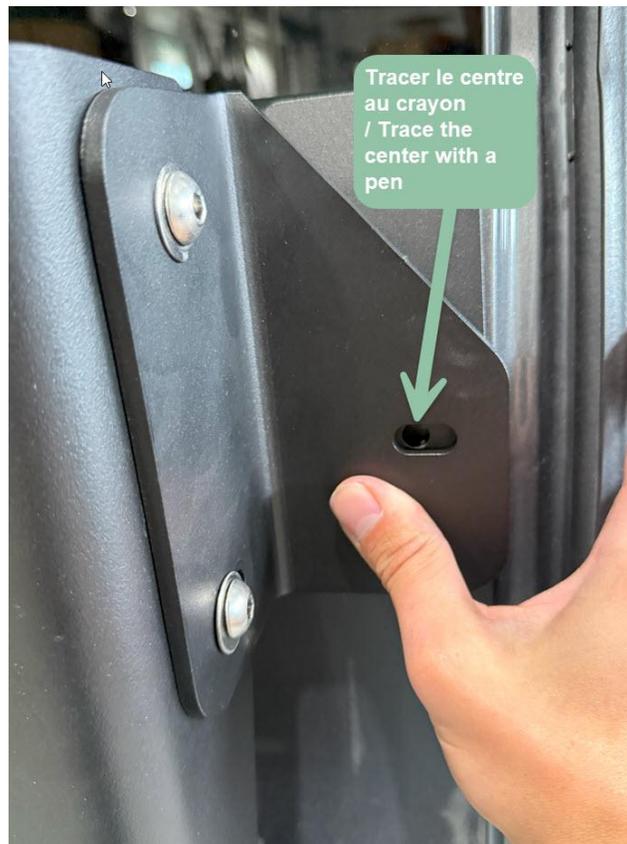
6.1. Insert the washers onto the bolts and insert the bolts through the On-Door assembly plate. Then insert the assembly into the holes in the rack.



6.2. Put anti-seize on the threads of the bolts.

6.3. Put a washer on the other side of the bolt and tighten the nuts firmly.

6.4. Mark the position of the slotted hole on the door with a pencil



6.5. Use a 3/16" drill bit to drill the outside wall + the 2nd wall inside the door (so there are 2 sheets to drill 3/16")



6.6. Drill the wall with a 3/8" drill bit ** WATCH OUT FOR THE CABLES ON THE OTHER SIDE**



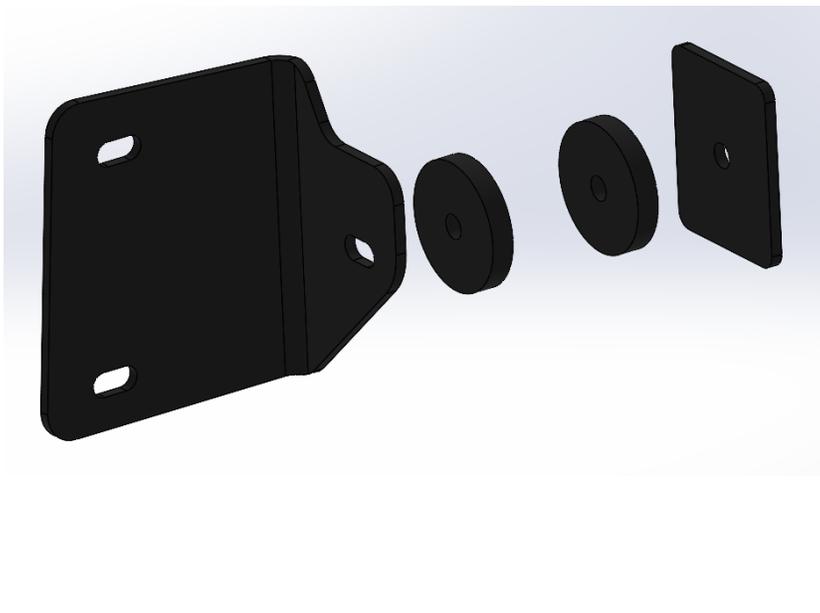
6.7. Paint the 2 pierced sheets with appropriate metal paint and wait for it to dry.



6.8. Position the 3/8" neoprene in front of the bore and wedge it between the On-Door assembly plate and the van.



6.9. On the other side, insert the neoprene and the reinforcement plate on the bolt in this order.



6.10. Insert a washer over the 3/8" x 2 1/4" bolt.



6.11. Tighten the assembly until the outer neoprene is slightly domed. Approximately 12-16 Nm.



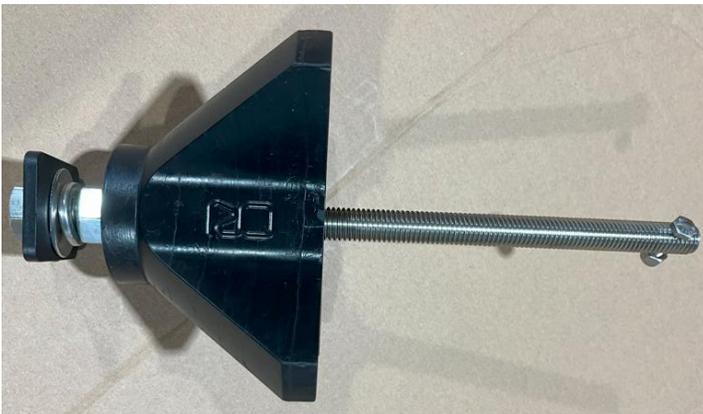
6.12. Tighten all bolts of the assembly to a torque of 30 Nm.

7. TIRE ASSEMBLY



REQUIRED MATERIALS

- The pre-assembled kit
- The ATLAS engraved clamping handle



7.1. Insert the bolt with a washer and the black plate behind the rack



7.2. Insert a flat washer, a lock washer and screw in the nut completely.



7.3. Position the bolt according to the radius of your tire and tighten the assembly firmly in place



7.4. Place your tire on the tire supports and insert through the 5/8" bolt



7.5. Insert the urethane hub adapter

****NOTE: If needed, you can easily cut the urethane adapter if it is too deep for your tire****



7.6. Screw the ATLAS clamping handle firmly



7.7. Screw the 1/4" bolt into the hole at the end of the 5/8" bolt and screw the nut onto the bolt to lock everything in place

