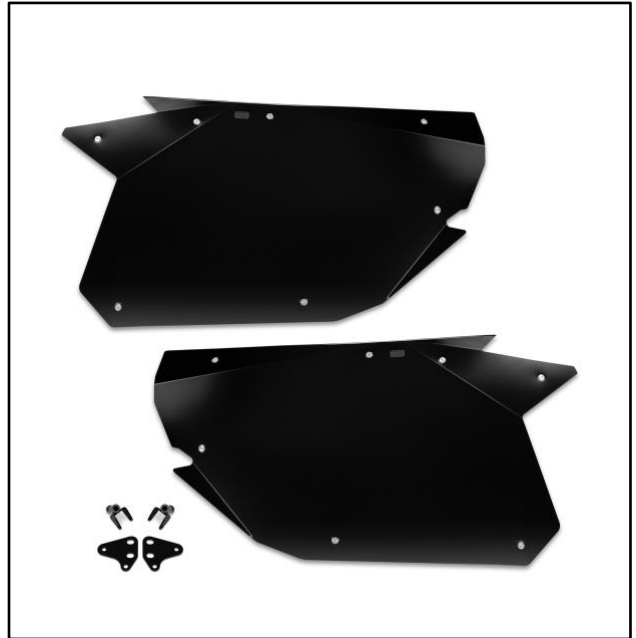




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**INSTALL INSTRUCTIONS:**

Cognito Can-Am 2 Seat  
Opening Door Kit for 17-20  
Can-Am Maverick X3  
SKU: 370-90915



**PARTS LIST FOR SKU: 370-90915**

QTY.	PART #	DESCRIPTION
2	2827	Hinge Plate, Can-Am X3 2 Seat
2	6676	Gas Spring 5/16"-18 Thread Size, 12.2" Extended Length, 20#
1	8726	Door Limit Strap Bracket, Driver, Can-Am X3 2 Seat
1	8727	Door Limit Strap Bracket, Passenger, Can-Am X3 2 Seat
1	HP9288	CANAM X3 2 DOOR HARDWARE
1	-	Pre-Assembled Door, Driver
1	-	Pre-Assembled Door, Passenger

**WARNING**

Please read this entire instruction sheet before beginning installation. Proper installation of these components requires a qualified mechanic. Always wear safety glasses when using power tools, and take appropriate precautions when working under a vehicle. If these instructions are not properly followed you may jeopardize your, and your passenger's safety, and severe frame, suspension or tire damage may also result from improper installation.

**REQUIREMENTS**

- Installation requires a qualified mechanic.
- Read instructions carefully and study the pictures (if included) before attempting installation.
- Check the parts and hardware packages against the parts list to assure that your kit is complete.
- Always wear safety glasses when using power tools.

**TECHNICAL INFORMATION**

- Fits all Can-Am X3 Models
- Completely replaces factory doors
- Includes gas strut to hold doors open
- Billet door handle allows door to be opened easily from inside or outside

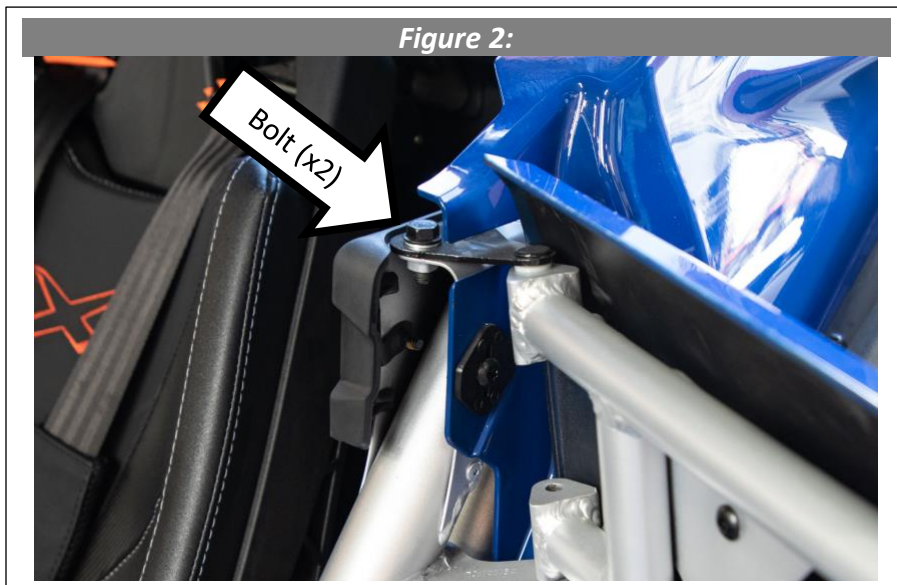
<b>PARTS LIST FOR HP9288</b>		
<b>QTY.</b>	<b>PART #</b>	<b>DESCRIPTION</b>
4	HARDWARE-1/4X1-1/4-SB	Shoulder Bolt 1/4" Diameter X 1-1/4" Long 10-24 Thread Pitch Stainless Steel
4	HARDWARE-10-24-LOCKNUT	10-24 Flanged Nylock Nut Zinc Plated
2	5815	Tether Strap XP1K Opening Doors
2	HARDWARE-15057	5/16"-18 X 1-1/4" G8 YZ Hex Cap Screw
6	HARDWARE-33080	5/16 Sae F/W Z
6	HARDWARE-37262	5/16-18 Grade C Zinc Plated Top Lock Nut
2	HARDWARE-15114	3/8"-16 X 2-3/4" Yellow Zinc Finish Sae J429 Grade 8 Hex Cap Screw
4	HARDWARE-33082	3/8 Sae F/W Z
2	HARDWARE-37264	3/8-16 Lock Nut Gr C

## INSTALLATION

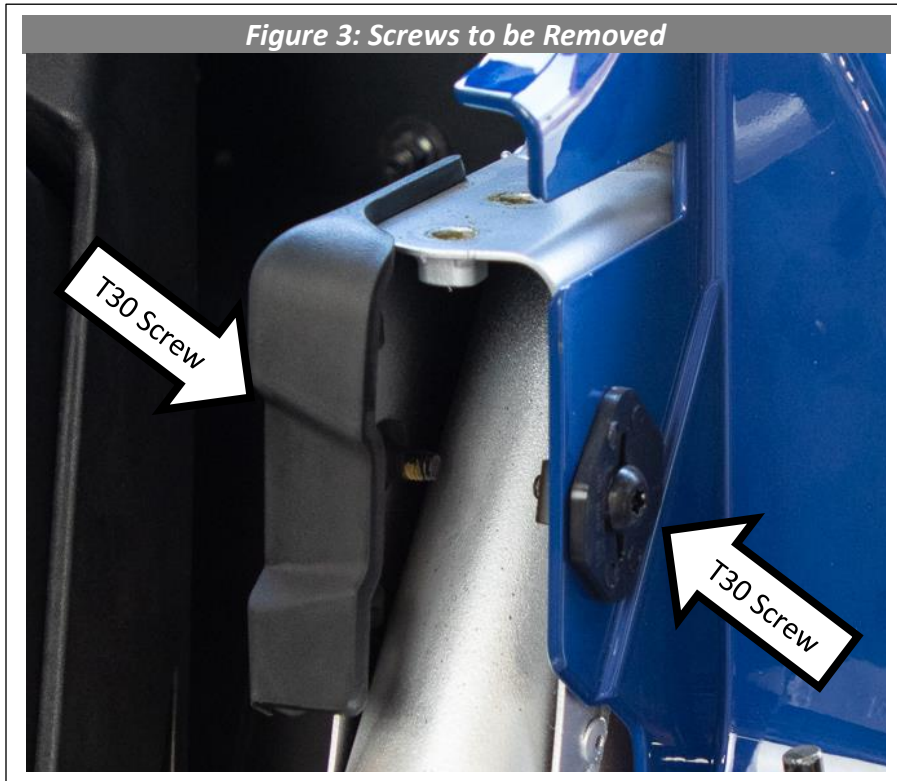
1. To begin the installation process, use a 3/16" drill bit to drill out the rivet which holds the factory door limit strap to the chassis. If the rivet turns while drilling, use a pair of vice-grips to hold the rivet from the back.



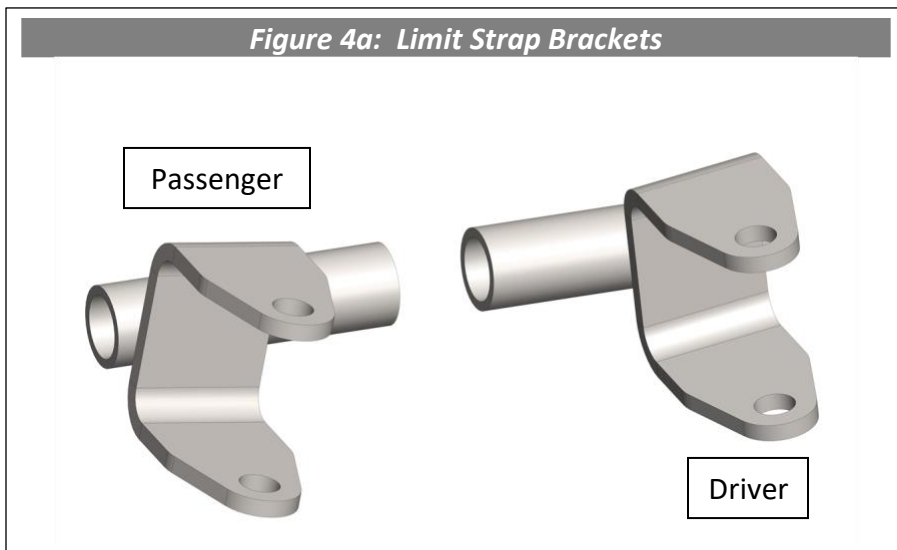
2. Close the door, then use a 13mm wrench to remove the two bolts holding the upper hinge mount to the car. Save these bolts, they will be reused later. Then swing the upper hinge mount up against the door skin so it won't catch on the plastic, unlatch the door, and lift the door up off the lower peg.



- Next, use a Torx T30 screwdriver to remove the two screws shown below. Use pliers or a flat-blade screwdriver to remove the clip nuts.



- Install the limit strap bracket into the chassis using the 3/8" bolt and the washers and lock nut. It is easiest to remove the rubber cover, insert the bracket, then reinstall the cover and install the bolt. Do not tighten the bolt fully yet.



*Figure 4b: Limit Strap Bracket Installed*

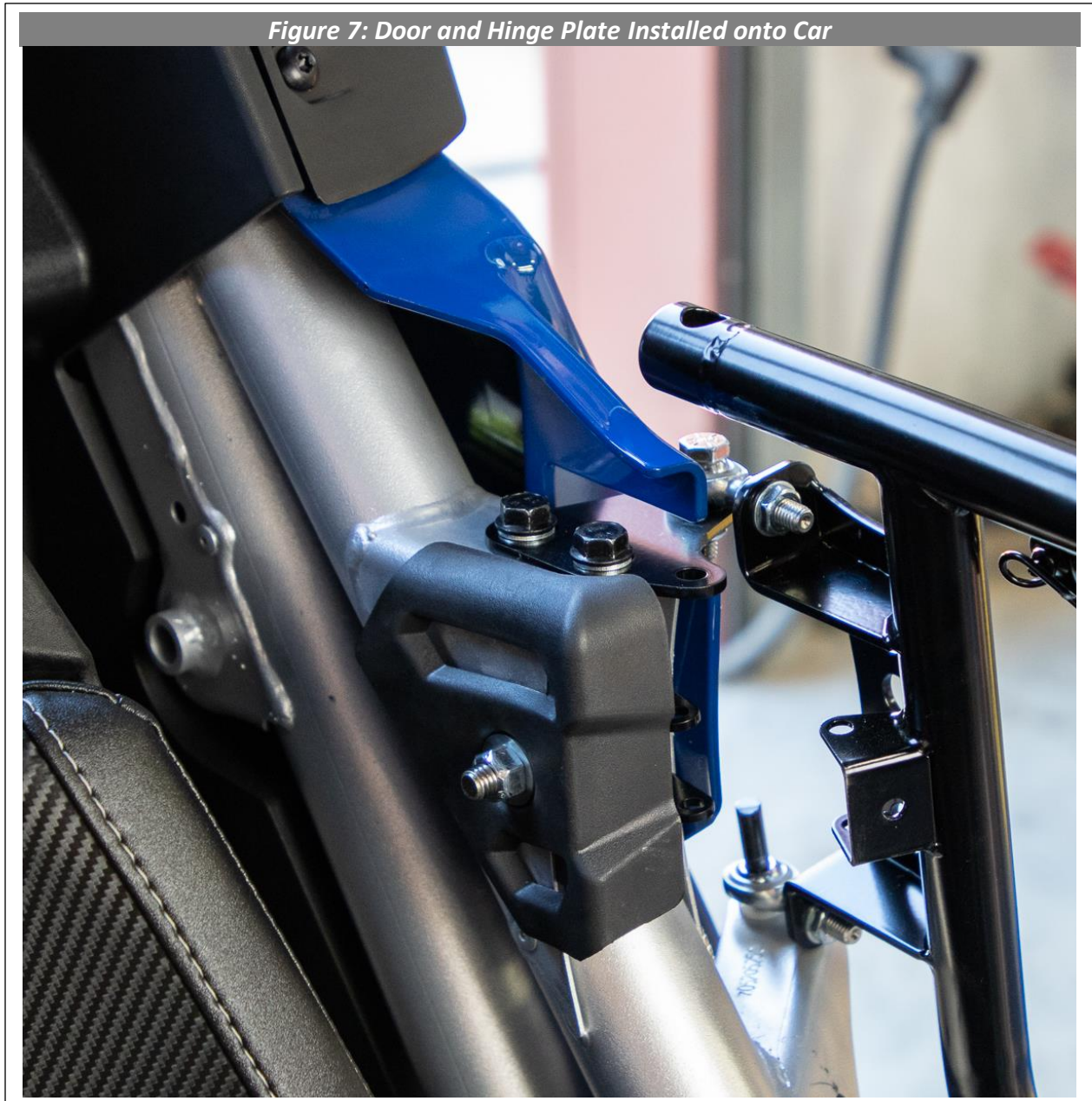


5. Remove the door skin from the door using a Dzus tool or large flat-bladed screwdriver. Be careful not to scratch the door skin!
6. Install the upper hinge plate onto the door using the 5/16" bolt, washer and lock nut. The plate attaches beneath the rod end, and there is no washer underneath the bolt head. The third hole must face forward. See photo of driver's side below.

*Figure 6: Upper Hinge Plate Installed on Driver's Side*

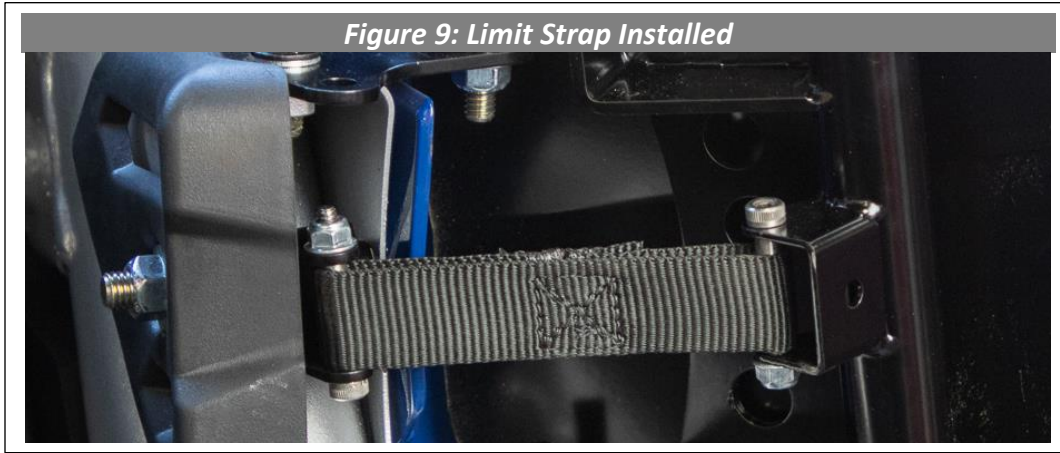


7. Lift the door up and place the lower rod end onto the mounting peg on the car. Then install the two bolts previously removed to hold the upper hinge plate to the car. We recommend setting these in the center of the slot to start, and make sure the bolts are tight or the hinge plate will rotate while you are aligning the door.



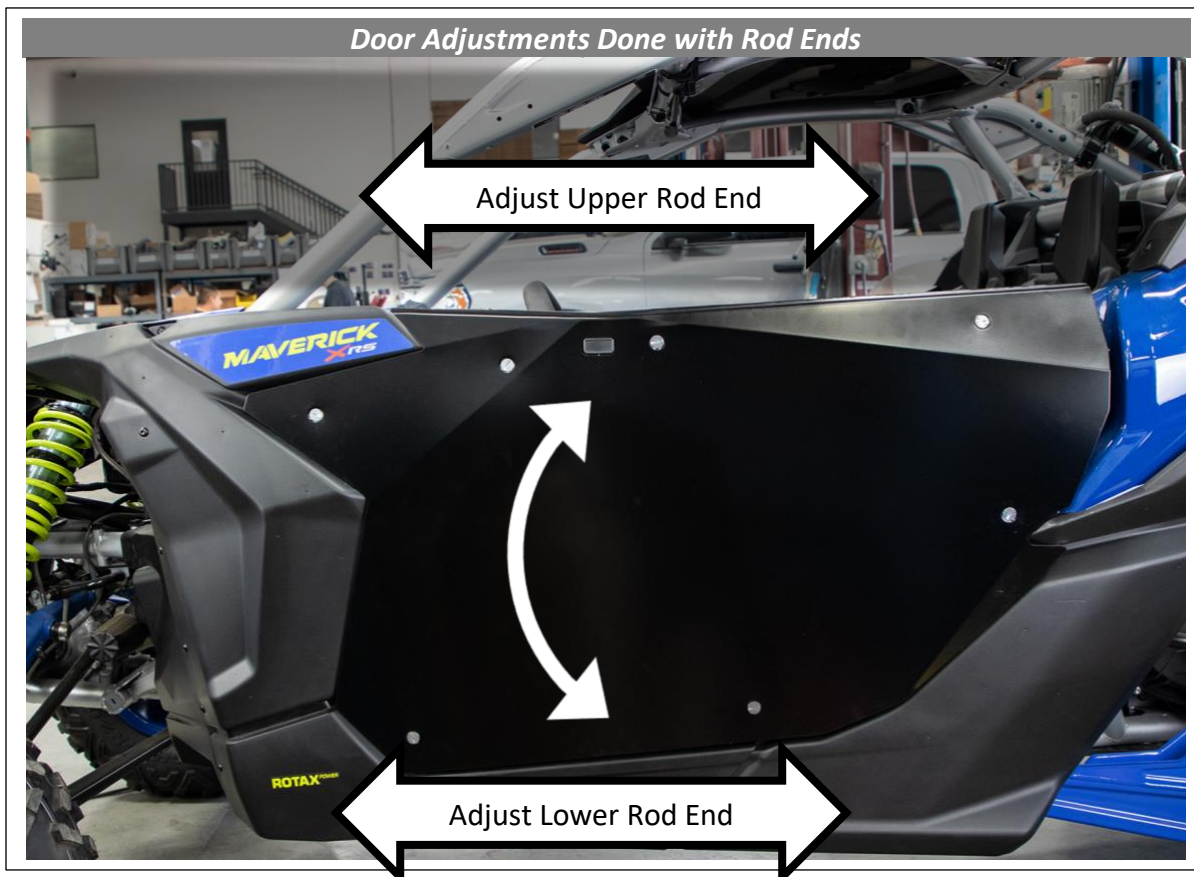
8. To make adjustment easier, remove the two lock nuts from the rod ends, (shown removed in figure 7).

- Using a 1/8" Allen key and a 3/8" wrench, install the door limit strap with the shoulder bolts. Open the door fully to make sure the limit strap is aligned with the bracket, then tighten the 3/8" bolt to 45 Ft.-lbs.

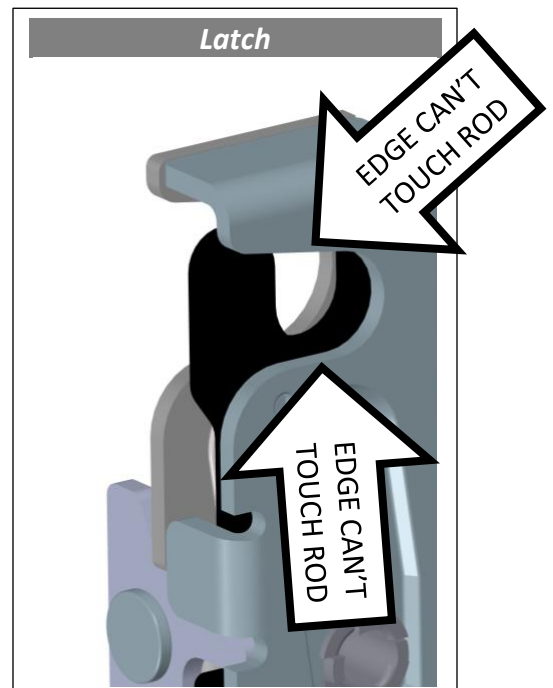


Because no two cars are exactly alike, there are several ways to adjust the doors to make them fit your car.

To move the door forwards and backwards, or to rotate the door clockwise or counterclockwise, adjust the rod ends. Make sure to snug the jam nuts after each adjustment!



To tilt the top or bottom of the door in or out, adjust the upper hinge mount.  
To adjust the whole front edge of the door in and out, adjust the latch.





## Aligning the door perfectly can be time consuming, but we have found the following order to be the fastest and easiest:

10. With the door skin removed, loosen the jam nuts on the upper rod end so the door can rotate freely. Then loosen the two upper hinge mounting bolts. Tilt the door so that the door frame touches the roll cage in the bottom front corner, then tighten the upper door hinge bolts. This gives the doors a very solid feel when closed. The door frame should sit just above the plastic rocker panel. Then rotate the door so that the latch lines up with the frame and closes. Now tighten the upper rod end jam nuts.



11. Install the door skin. Now open the door slowly and watch the back edge of the door. Make sure it does not contact the plastic behind the door before the limit strap stops the door from opening any further. If it does, adjust both upper and lower rod ends to push the door forwards.
12. Next, loosen the door mount bolts slightly using a 5/32" Allen key, then use the rod ends to rotate the door as shown above. **If the door latch is too high or too low, the door will be pushed up or down when closed.**
13. Now, adjust the latch to move the front edge of the door in or out. The latch used on the door is a 2-stage latch, so it clicks twice when fully closed. Make sure it is fully closed when the door is closed. **If the door latch is too high or too low, the door will be pushed up or down when closed.** Sometimes the latches need a little bit of lubrication. Almost any grease will do, a spray-on white lithium grease is recommended and can easily be found at most hardware stores.

14. Now that the door is mostly aligned, make any small tweaks needed to position your door perfectly. If you run out of adjustment on the rod ends, the upper hinge plate is probably rotated. Loosen the upper hinge plate bolts and the upper rod end jam nuts, rotate the hinge plate and then tighten down the upper rod end jam nuts.
15. Once you're done adjusting the doors, tighten down the jam nuts and the upper hinge mount bolts to 18 Ft.-lbs. Then install the m8 lock nuts removed earlier and tighten to the same torque. If there isn't enough thread left on the rod ends for the lock nuts, remove the front jam nut and replace with the lock nut.
16. *This step can be done with the door skin on, but it is easiest to remove the skin and reinstall after this step.* Let the door swing out, then install the gas strut to the hinge mount and door frame as shown below using the 5/16" lock nut and washers. Hold the gas strut mounting stud with a 13mm wrench and use a 1/2" socket to tighten the nuts to 24 Ft.-lbs.



## WARRANTY / RETURN POLICY / SAFETY

### **Cognito Limited Lifetime Warranty**

Cognito Motorsports, Inc. hereinafter “Cognito,” warrants to the original retail purchaser, that its suspension products are free from workmanship and material defects for as long as the purchaser owns the vehicle on which the product(s) were originally installed. This warranty will be void if any modifications are made to the components, including alterations to the surface finish, i.e.; painting, powder coating, plating, and/or welding, or if they are improperly installed. Cognito truck suspension products are not designed nor intended to be installed on “competition” vehicles used in race applications, stunt or for exhibition purposes that are outside of the intended operating conditions specified by the manufacturer. Racing and competition are defined as any contests between two or more vehicles; or vehicles competing individually on off road circuits in timed events (whether or not such contests are for an award or prize).

This warranty does not include coverage for police, taxi, government or commercial vehicles, and the warranty does not cover Cognito products sold outside of the USA. Cognito’s obligations under this warranty are specified and applied at its sole discretion, and warranty coverage is limited to repair or replacement of the defective product(s). Any and all costs of removal, installation or reinstallation; freight charges, incidental or consequential damages associated with the covered products are expressly excluded from this warranty.

The following items are exempt from Cognito limited warranty coverage: bushings, bump stops, tie-rod ends (Heim joints) and limiting straps. These parts are “consumables” and designed to wear as a normal part of their duty cycle, therefore they are not considered defective when worn. The aforementioned products are warrantied separately against defects in workmanship, for 60 days from the date of purchase. As a condition of warranty validation, respective Cognito suspension components must be installed as a complete system (not combined with non-Cognito hardware or ancillary parts). Any substitutions or omission of required components will void the warranty. Some minor cosmetic wear and imperfections may occur to parts during shipping, which is not covered under this warranty. This limited warranty does not apply to any components that have been subjected to collision damage, negligence, alteration, abuse, or misuse, and coverage does not extend to products manufactured by third-party companies. Cognito reserves the right to supersede, discontinue, or change the design, finish, part number and/or application of its parts when deemed necessary, without notice.

### **Return Policy**

Product returns will not be accepted without prior written approval from an authorized Cognito representative. All products being returned must be shipped via trackable, prepaid freight. Returned products are subject to a 25% percent restocking fee. The eligible return period for products purchased directly from Cognito is 30 days from the verified date when the product(s) were originally received by the purchaser.

### **Product Safety Advisory**

The installation of Cognito steering and suspension components will modify your vehicle’s original factory equipment and geometry, which may cause it to handle differently than a stock (unaltered) vehicle. Installation of these components is not intended to strengthen nor reinforce the vehicle’s frame, nor are they designed to increase rollover protection. It is necessary to periodically inspect all suspension and drive train components for proper attachment, torque specifications, operation, and for any potential unusual wear or damage. Installation of these parts will modify the height of the vehicle and may raise the center of gravity. Modifying vehicle height combined with off road operation may increase your vehicle’s susceptibility to rollover conditions, which may cause serious injury or death. Many states regulate allowable vehicle height modifications, and it is your responsibility to know and comply with the legal requirements specified by the laws where you reside. Modifications to your vehicle’s ride height may also affect the ride quality, driver input response, trackability and handling, and wear to your vehicle’s suspension components and tires.