INSTALLATION INSTRUCTIONS
YAMAHA RMAX2
FRONT TINTED UPPER DOOR PANELS - VENTED
PART # 252750-LT

IMPORTANT NOTICES

READ AND UNDERSTAND THESE INSTRUCTIONS COMPLETELY BEFORE INSTALLATION TO AVOID INJURY TO YOURSELF, DAMAGE TO THE VEHICLE OR ACCESSORY.

- **For proper installation, TWO people are required.**
- **Torque specifications must be followed when tightening bolts. Over-tightening any and/or all screws will cause cracks around mounting holes which is not covered by any warranty.**
- **As specified on carton label, once protective film on shields is removed, product cannot be returned.**
- **As specified on carton label, damage caused by packaging staples is not covered by warranty. All staples must be removed prior to removing product from carton.**
- **ANY cutting, trimming, drilling or altering of this product as delivered is not covered under warranty.**
- **Failure to follow these installation instructions completely may void any warrantable components and result in product damage or personal injury.**
- **Do not use Loctite/Super Glue or any other similar fastener adhesive. These types of products react to plastics and cause cracking. Not covered by any warranty.**
- **Our windshields are made from the highest quality material providing optimum transparency and clarity. Blurriness and/or extrusion marks may or may not appear when looking through windshield from a wide, side-angle. This is normal for all extruded clear plastic materials.**
- **The application of improper cleaners, abrasive and/or dirty cleaning towels can severely damage the product. Failure to follow cleaning recommendation (provided herewith) may void any warrantable components.**

DEALER

These instructions contain important information for future reference and must be given to the customer at time of purchase or upon completion of installation.

Parts List (parts available with kit only and not available separately)

ITEM		PART NAME	DESCRIPTION	QTY
A		Upper driver door panel	CNC panel cut-out made of ¼" thick tinted GE MR10 polycarbonate or equivalent	1
B		Upper passenger door panel	CNC panel cut-out made of ¼" thick tinted GE MR10 polycarbonate or equivalent	1
C		Driver upper filler assembly	CNC filler cut-out made of ¼" thick tinted GE MR10 polycarbonate or equivalent assembled w/striker plate	1
D		Passenger upper filler assembly	CNC filler cut-out made of ¼" thick tinted GE MR10 polycarbonate or equivalent assembled w/striker plate	1
E		Driver lower panel	Black powder coat steel lower panel	1
F		Passenger lower panel	Black powder coat steel lower panel	1
G		Co-extruded **SIDE** bulb seal (¼")	Includes: 174" Co-extruded **SIDE** bulb seal **[end user to cut to exact length]**	1
INSTRUCTION BAG	H	Edge guard strip (½")	Includes: 75" edge guard strip **[end user to cut to exact length]**	1
	I	Foam cushion	Included: 87" of 1" x 1/8" self-adhesive foam cushion **[end user to cut to exact length]**	1
	J	Driver vent (#LT7)	CNC cut-out made of ¼" thick tinted GE MR10 polycarbonate or equivalent	1
	K	Passenger vent (#LT8)	CNC cut-out made of ¼" thick tinted GE MR10 polycarbonate or equivalent	1
	L	Pull strap	Includes: 2 pull straps 10"	2
	M	Grab Handle	Strap mount molded handle	2
	N	Edge guard strip (⅛")	Includes: 30" edge guard strip **[end user to cut to exact length]**	1
	O	Nuts & bolts #1	Includes: 2 threaded rolling screws M6 x 8, 4 philips truss head screws M6 x 16, 2 philips truss head screws M6 x 24, 2 philips truss head screws M6 x 40, 2 button head cap screws M8 x 100, 4 washers M6 x 25, 20 flanged locknuts M6, 4 round spacers ¼" and 8 round spacers ¾",	1
	P	Nuts & bolts #2	Includes: 14 philips truss head screws M6 x 20, 4 philips truss head screws M6 x 30, 4 philips truss head screws M6 x 65, 18 plastic shoulder washers M6, 4 plastic washers M6, 2 acorn nuts M6, 2 locknuts M8, 2 bushing (.260"), 4 round spacers ½", 4 push type retainers $^5/_{16}$" and 2 rectangular grommets	1
	Q	Magnet holder bag	Includes: 6 nylon magnet holder assemblies	1
	R	Vent hardware	Includes: 4 carriage bolts M6 x 30, 4 thin plastic washers, 8 plastic washers M6, 4 rubber washers M6 and 4 female thread knobs M6	1

SPECIAL NOTE:

OEM doors are not pre-adjusted to accommodate door accessories. It is very common and strongly recommended to adjust door positions **AFTER** installing door accessories.

For easier installation, proceed with the complete upper door installation with the door open. After and only after completing the installation, close the door and adjust OEM hinges/catch if required.

We do provide additional information on how to make adjustments at the end of the installation instructions.

WARNING / STRONG MAGNET!

- **Can be harmful to pacemaker wearers and others with medical implants.**
- **Stay clear.**
- **Keep tools and other metal objects away. This magnet is strong enough to pull them out of your hand.**
- **To avoid damage, keep magnetic media such as computer disks, credit cards and tapes away.**

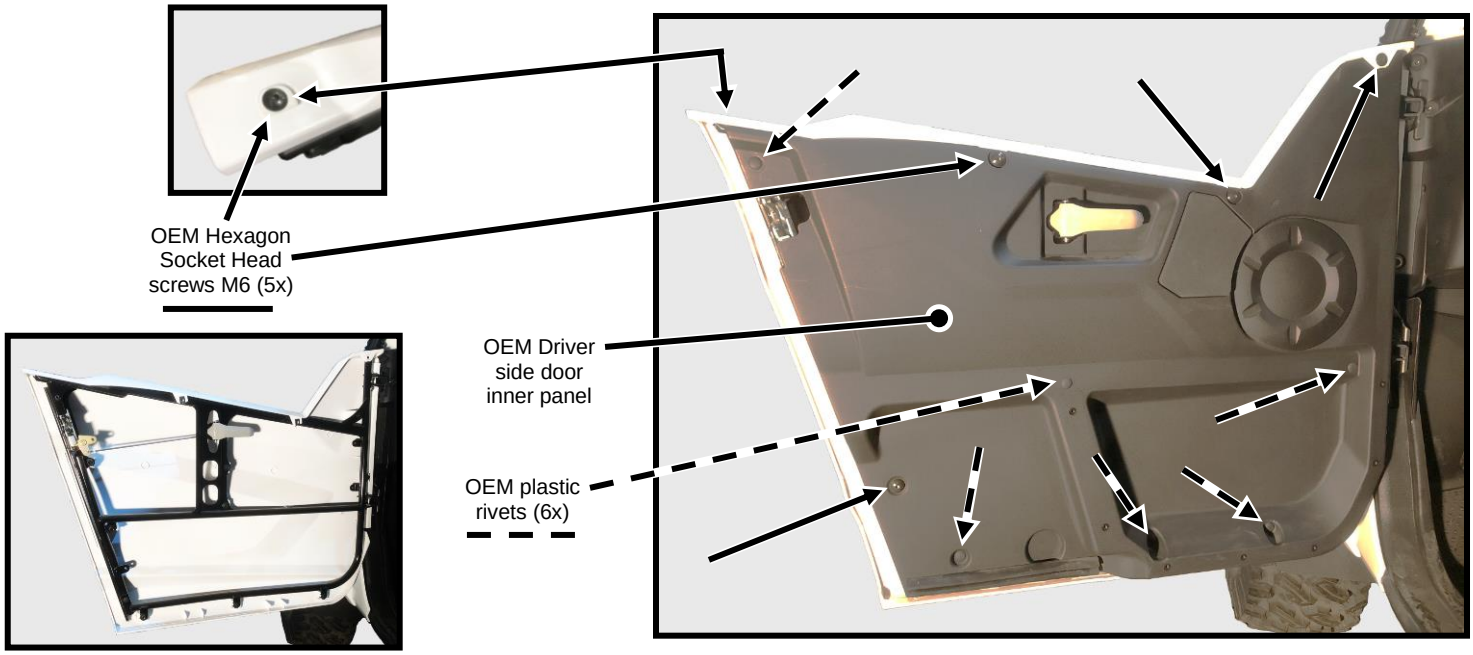
Failure to follow this warning can result in serious injury.

Installation Tools Required:

- **Safety Glasses**
- **Adhesive tape**
- **Cutting tools (Ex: Scissor, knife, …)**
- **Awl**
- **Drill, drill bit ¼ in and drill bit $^{5}/_{16}$ in.**
- **Screwdriver and/or socket set:**
  - **Phillips #3**
  - **T40 Security Torx**
  - **T30 Torx**
  - **4mm Hex key**
  - **5mm Hex key**
- **Wrench or socket set:**
  - **10mm**
  - **13mm**
- **Tree Clip Fastener Removal Tool**

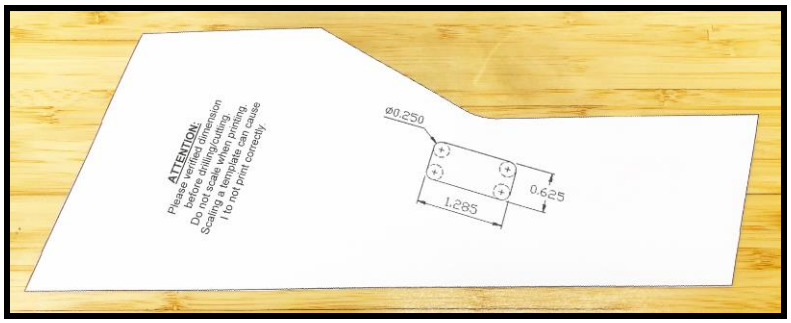
1. Door preparation and outside pull strap installation (Driver side shown)

a) Temporarily remove the OEM Inner Panel from the driver side lower door as shown below.



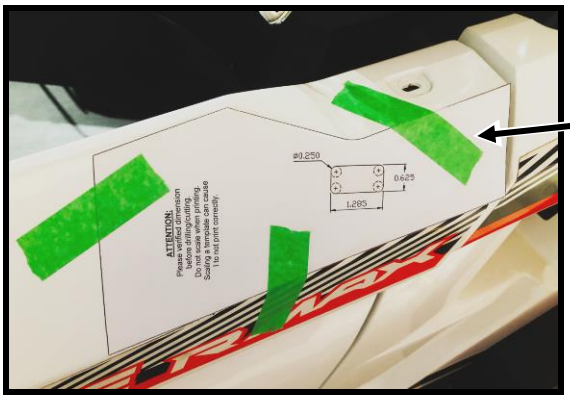
b) Driver side lower door Outer Panel latch hole cut-out steps:

1. Cut out the Driver Side Drilling/Cutting Template by cutting along the exterior lines of the template sheet (provided on page 13) as shown below. **Do not cut the interior holes/lines.**



ATTENTION:
Please verify dimensions before drilling/cutting.
Do not scale when printing.
Scaling a template can cause incorrect printing/size.

2. Using adhesive tape, place and tape the cut-out Driver Side Drilling/Cutting Template to the outside of the OEM outer panel of the driver side lower door following the panel lines as shown below.

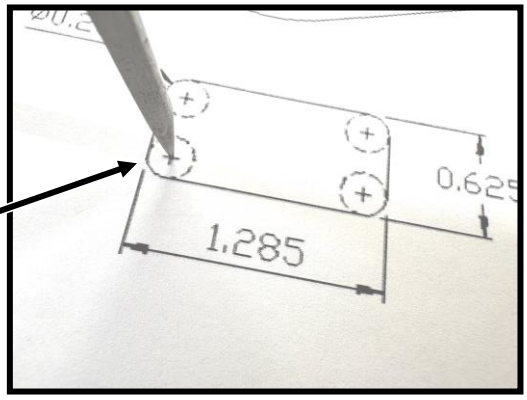


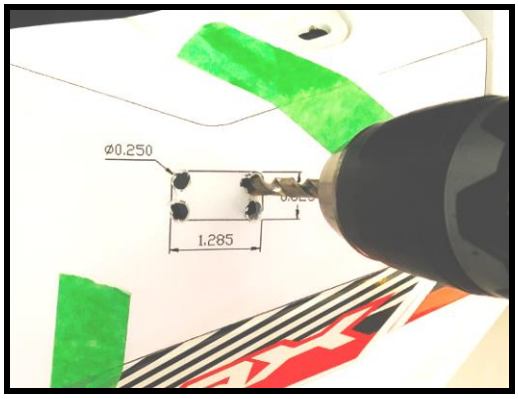
Use adhesive tape to hold the cut-out template in place

3. Mark the center of all 4 holes using an awl. With a ¼" drill bit, pierce 4 holes through the outer panel of the driver side lower door using the Driver Side Drilling/Cutting Template as a guide as shown below.

Warning: Be sure to use proper tool size and follow guides. If the hole/opening is too large, the finishing grommet will simply not hold in place. Take your time to do it correctly to ensure proper fitment. Smaller holes can always be re-worked and enlarged if needed.
Drilling plastic requires care and caution. To avoid damaging the doors, use light drill pressure to avoid tearing or damaging the outer panel.

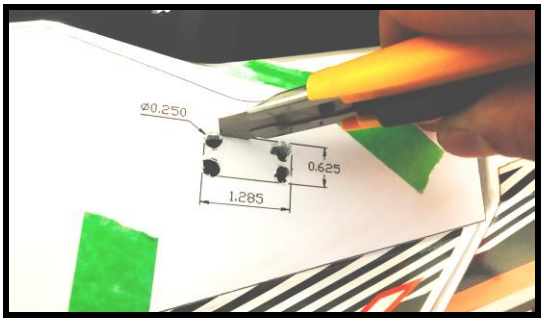
Mark the center of the hole using an awl.



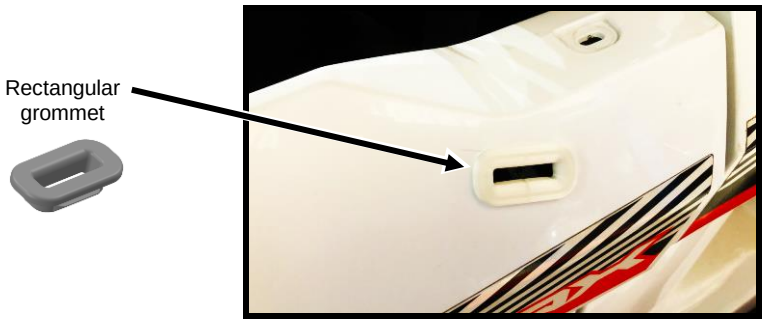


4. Cut out the remaining section of the rectangular latch hole opening by following the Driver Side Drilling/Cutting Template lines as shown below. This operation can be achieved using different cutting tools (Knife, jigsaw, rotary tool, files, …). Clean/deburr the rectangular hole and ensure that the hole size is +/- 0.625" x 1.285". Rework the hole size, if needed.

   <u>Warning:</u> Be sure to use proper tool size and follow guides. If the hole/opening is too large, the finishing grommet will simply not hold in place. Take your time to do it correctly to ensure proper fitment. Smaller holes can always be re-worked and enlarged if needed.



5. Install the rectangular grommet (Item P) supplied through the cleaned and deburred opening. It should simply snap/clip onto the outer door panel and hold in place. If not, rework the hole size and reinstall the rectangular grommet to ensure secure fit.

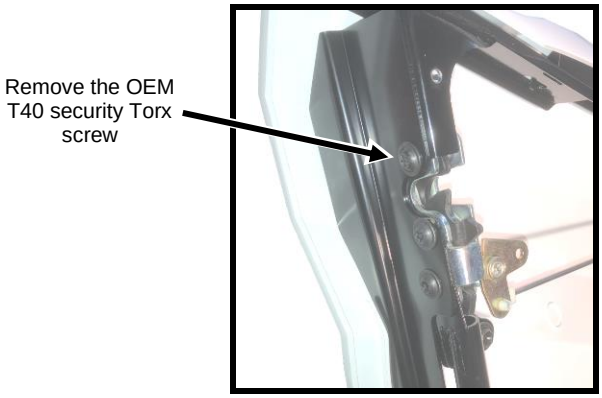


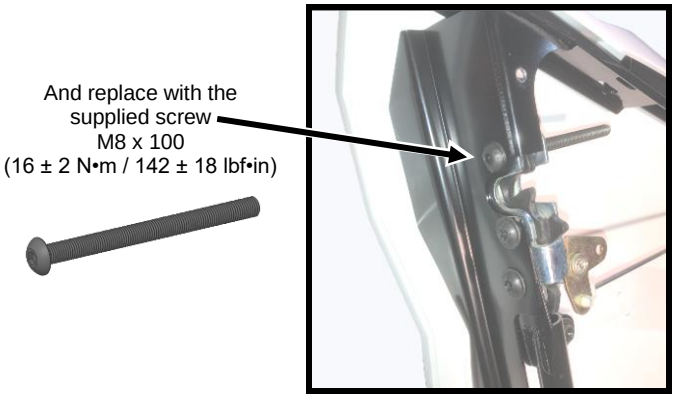
IMPORTANT NOTICES

Torque specifications must be followed when tightening bolts.
Over-tightening any and/or all screws will cause cracks around mounting holes which is not covered by any warranty.

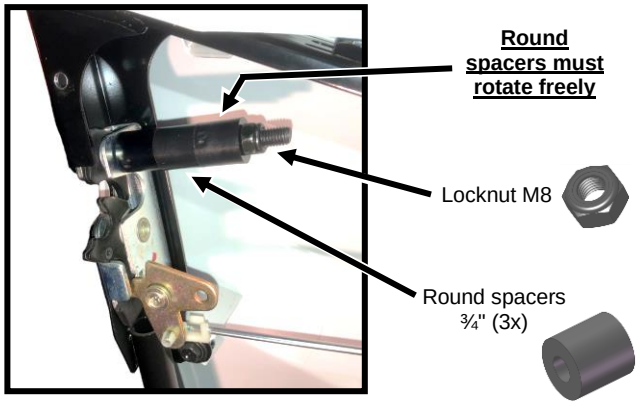
c) Install pull strap mechanism to the driver side lower door by following steps below.

1. Uninstall the upper OEM T40 security Torx screw from the door rotary latch and replace it by the supplied screw M8 x 100 (Item O) using a M5 hex key as shown below. **<u>Tighten to specified torque 16 N•m / 144 lbf•in.</u>**





2. Place 3 of the supplied round spacers ¾" (Item O) onto the remaining length of the screw (M8 x 100 previously installed) followed by 1 locknut M8 (Item P) supplied. Fasten the locknut without applying force onto the spacers.
Do not overtighten. Spacers must rotate/spin freely.



IMPORTANT NOTICES

Torque specifications must be followed when tightening bolts.
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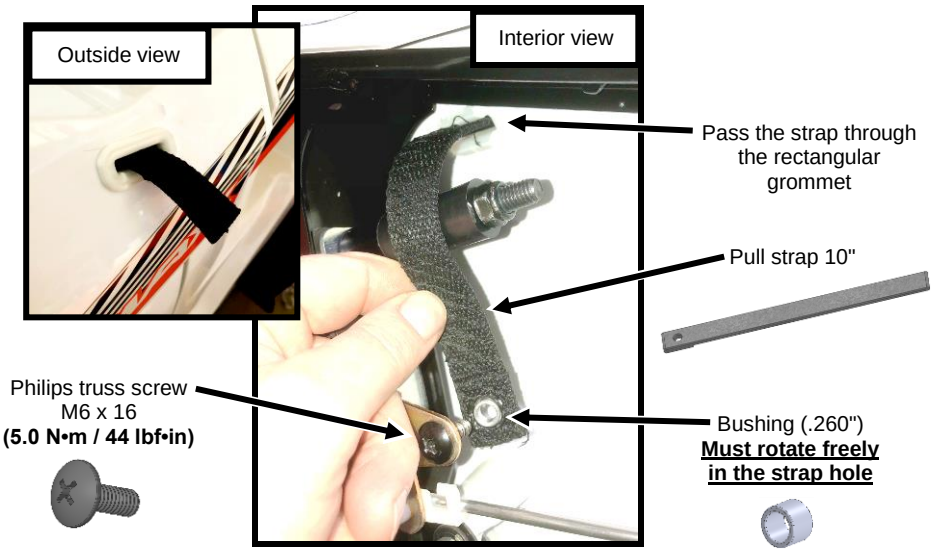
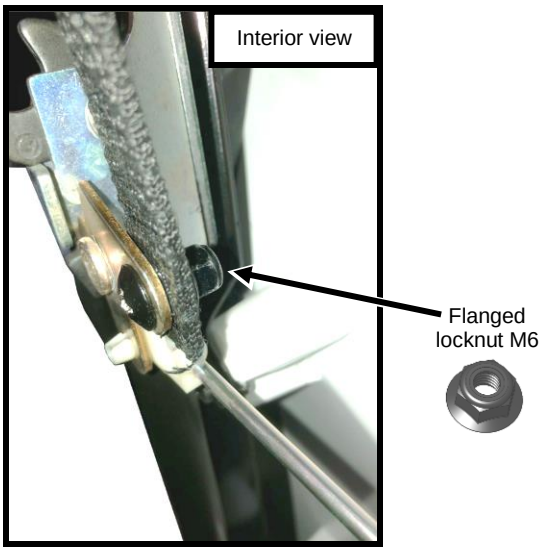
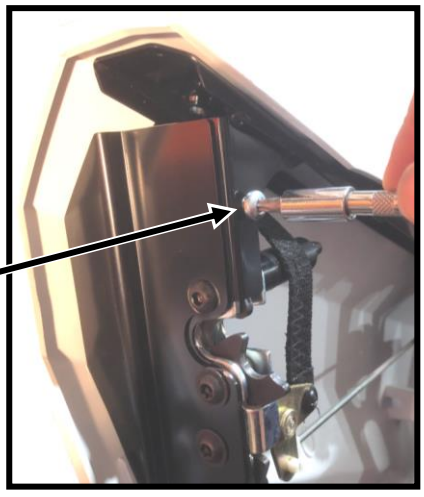
3. Install the pull strap (Item L) with supplied hardware (Item O & P) to the rotary latch bracket as shown below.
Tighten to specified torque 5.0 ± 0.5 N•m / 44 ± 4 lbf•in.





d) Use the supplied thread rolling screw M6 x 8 (Item O) to tap the OEM hole located over the rotary latch. Simply screw it in and out with a T40 Torx as shown below.

This will provide an additional solid mounting point for the upper door panel.



IMPORTANT NOTICES

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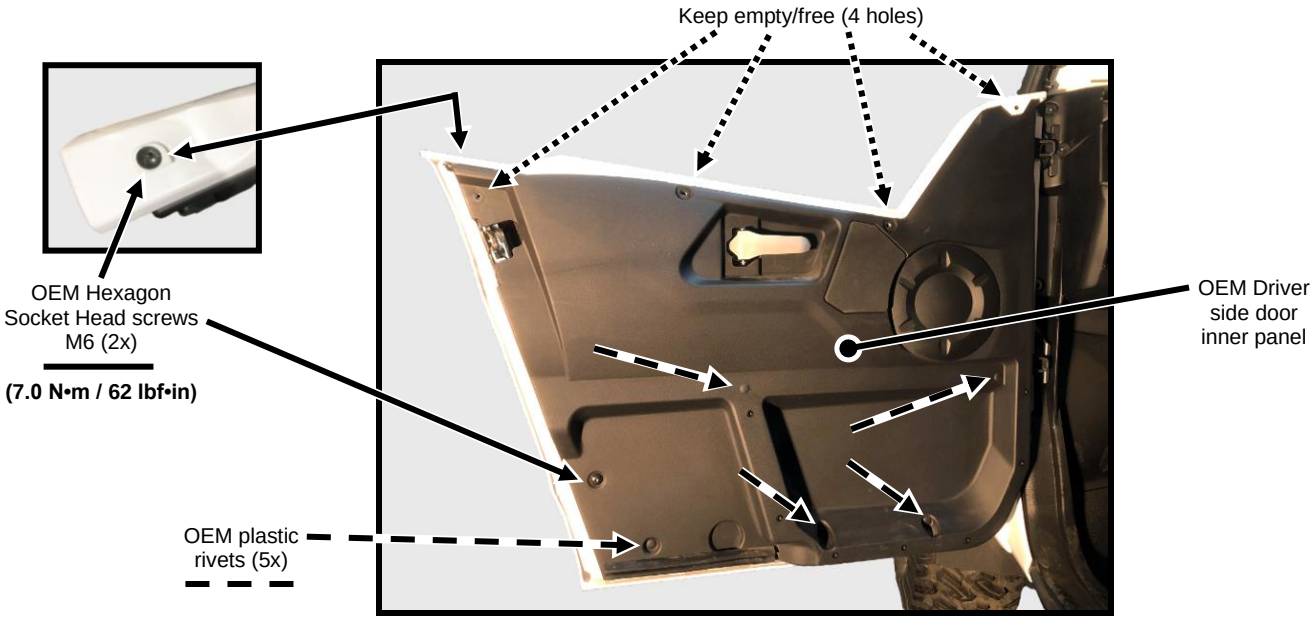
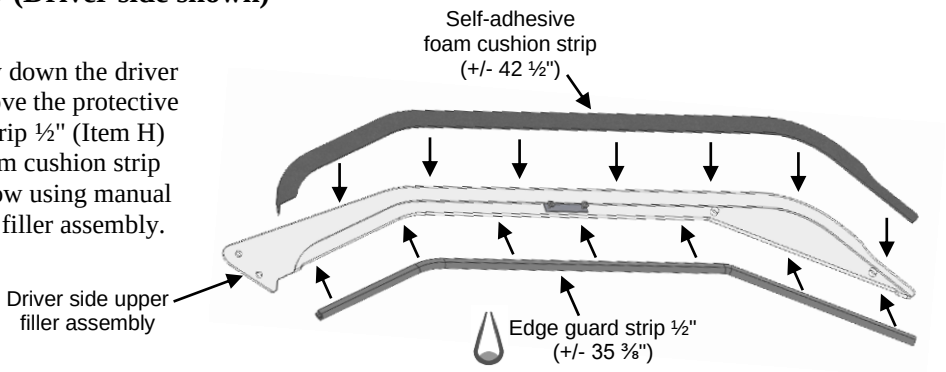
e) Ensure that the door opening mechanism is working properly by opening and closing the door a few times and reinstall the OEM front door inner panel with OEM hardware previously removed in step a) as shown below.
Please note that, as shown below, some identified holes must remain empty/free at this time.

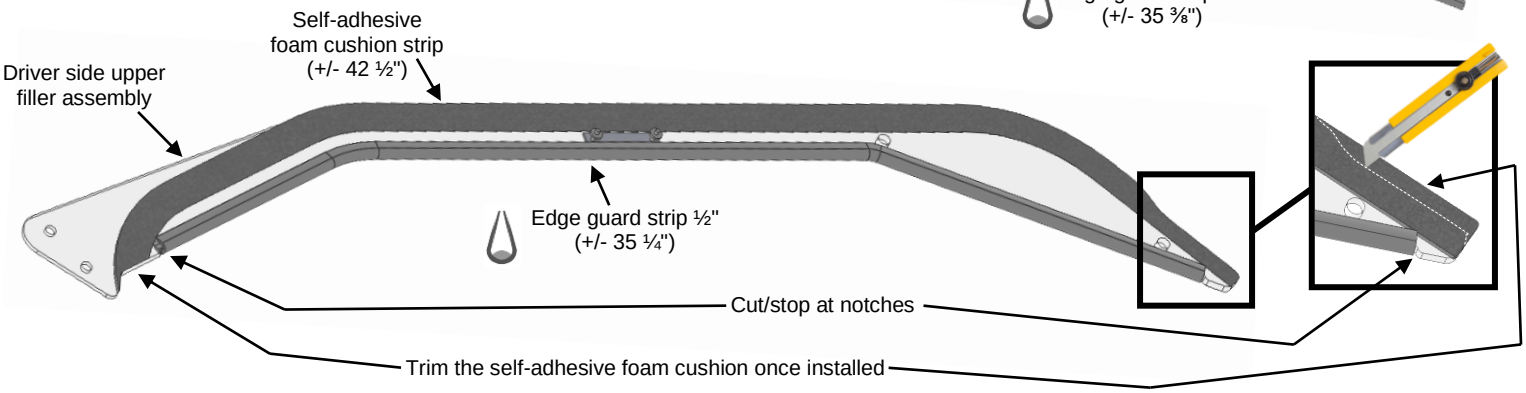


f) Repeat steps a) to e) for the passenger side door.

2. Installation of the upper filler assembly (Driver side shown)

g) Find a clean flat area where you can safely lay down the driver upper filler assembly (Item C). Partially remove the protective film on both sides and apply the edge guard strip ½" (Item H) between the notches and the self-adhesive foam cushion strip (Item I) to the recessed sections as shown below using manual pressure to ensure good adhesion to the upper filler assembly. Cut any excess.

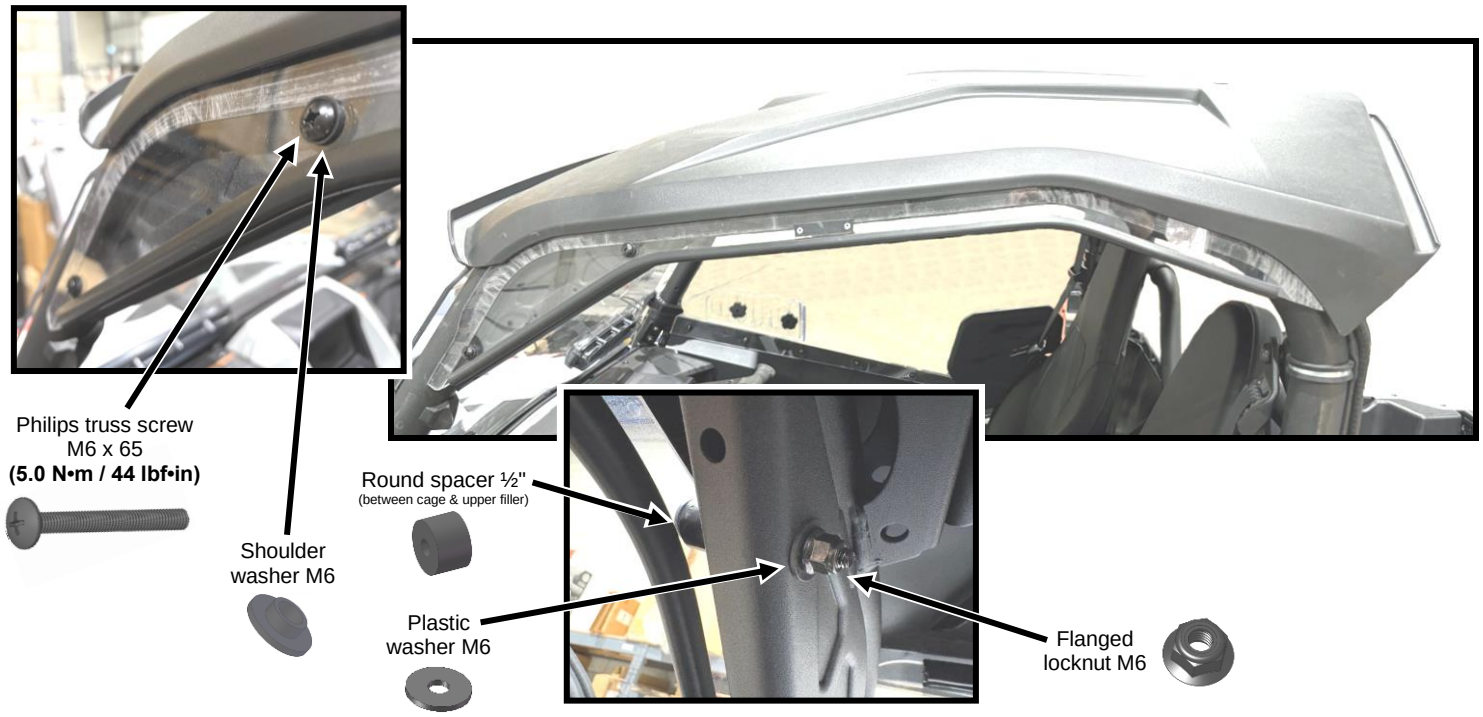




IMPORTANT NOTICES

Torque specifications must be followed when tightening bolts.
Over-tightening any and/or all screws will cause cracks around mounting holes which is not covered by any warranty.

h) Insert the upper filler assembly between the roof side edges and roll cage and secure the front section using supplied hardware (Item O & P) as shown below. Ensure proper position and tighten.



i) With a $^{5}/_{16}$" drill bit, pierce 2 holes through the roof side edge using the upper filler assembly rear holes as guide as shown below.

<u>Warning:</u> Drilling plastic requires care and caution. Use light drill pressure to avoid tearing or damaging the roof.

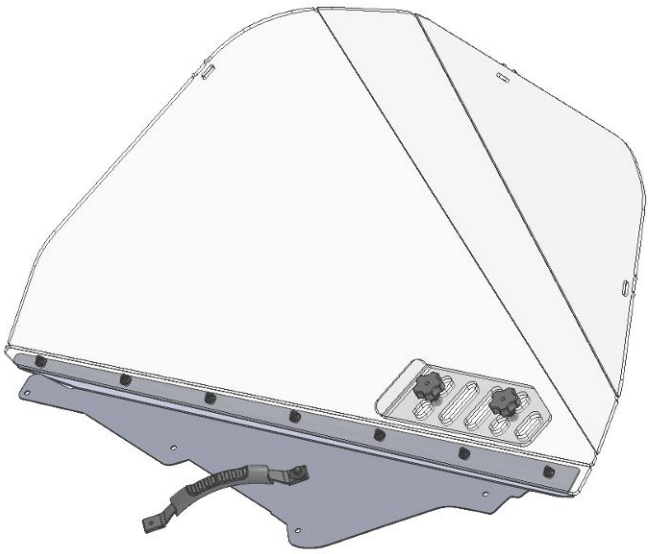
j) Repeat steps g) to i) for the passenger upper filler assembly.

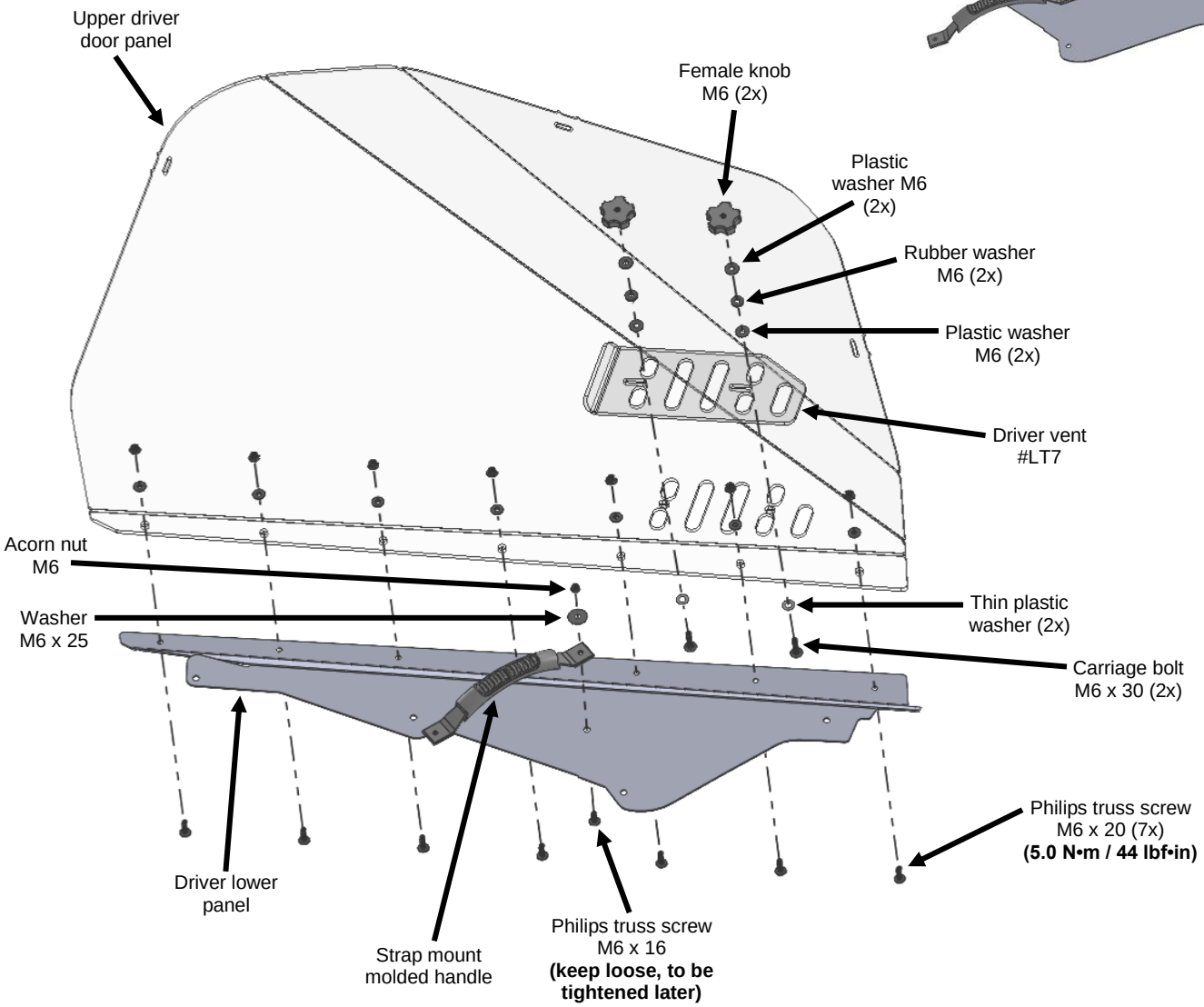
IMPORTANT NOTICES

Torque specifications must be followed when tightening bolts.
Over-tightening any and/or all screws will cause cracks around mounting holes which is not covered by any warranty.

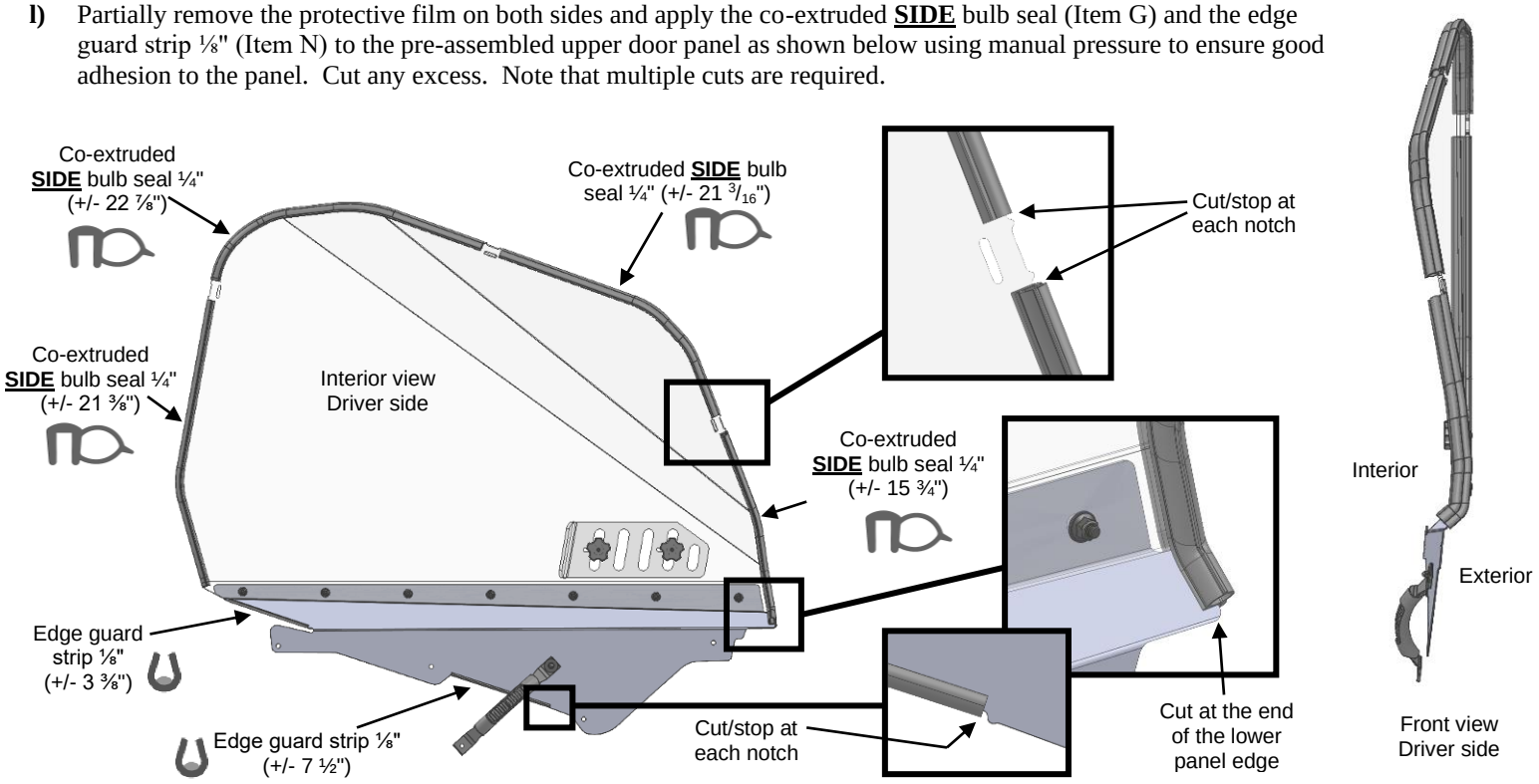
3. Installation upper door panel (Driver side shown)

k) Find a clean flat area where you can safely lay down the upper driver door panel (Item A). Partially remove the protective film on both sides and assemble with the driver lower panel (Item E) and the driver vent #LT7 (Item J) with supplied hardware (Item M, O, P & R) as shown below.





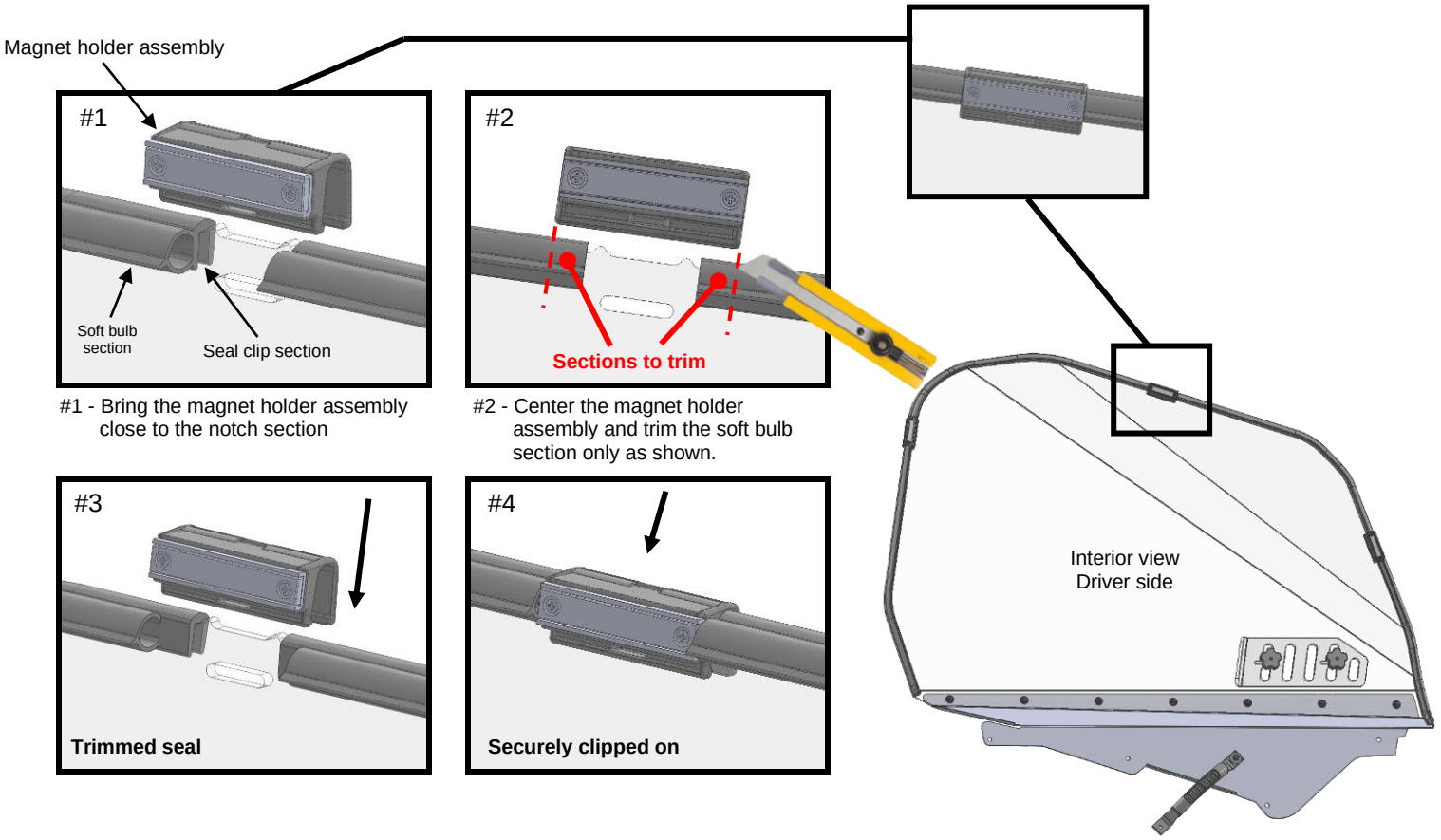
l) Partially remove the protective film on both sides and apply the co-extruded **SIDE** bulb seal (Item G) and the edge guard strip ⅛" (Item N) to the pre-assembled upper door panel as shown below using manual pressure to ensure good adhesion to the panel. Cut any excess. Note that multiple cuts are required.



m) As shown below, align the magnet holder assembly (Item Q) close to the notched sections without the seal (image #1), center it and trim the soft bulb sections of the seal (bulb part only), on both sides (image #2), allowing magnet holder assembly to slide-in.

<u>WARNING</u>: <u>DO NOT</u> trim wider than needed. <u>DO NOT</u> trim the seal clip section. Trim bulb only.

Once bulb is trimmed, clip the magnet holder assembly (1x) onto the upper driver door panel using manual pressure (Image 3 & 4). Ensure the magnet holder assembly is properly clipped on the same side as the bulb. Repeat for upper passenger door panel.



IMPORTANT NOTICES

Torque specifications must be followed when tightening bolts.
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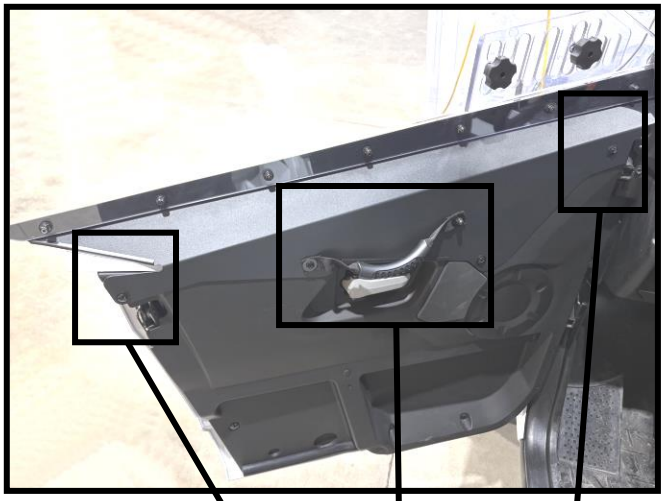
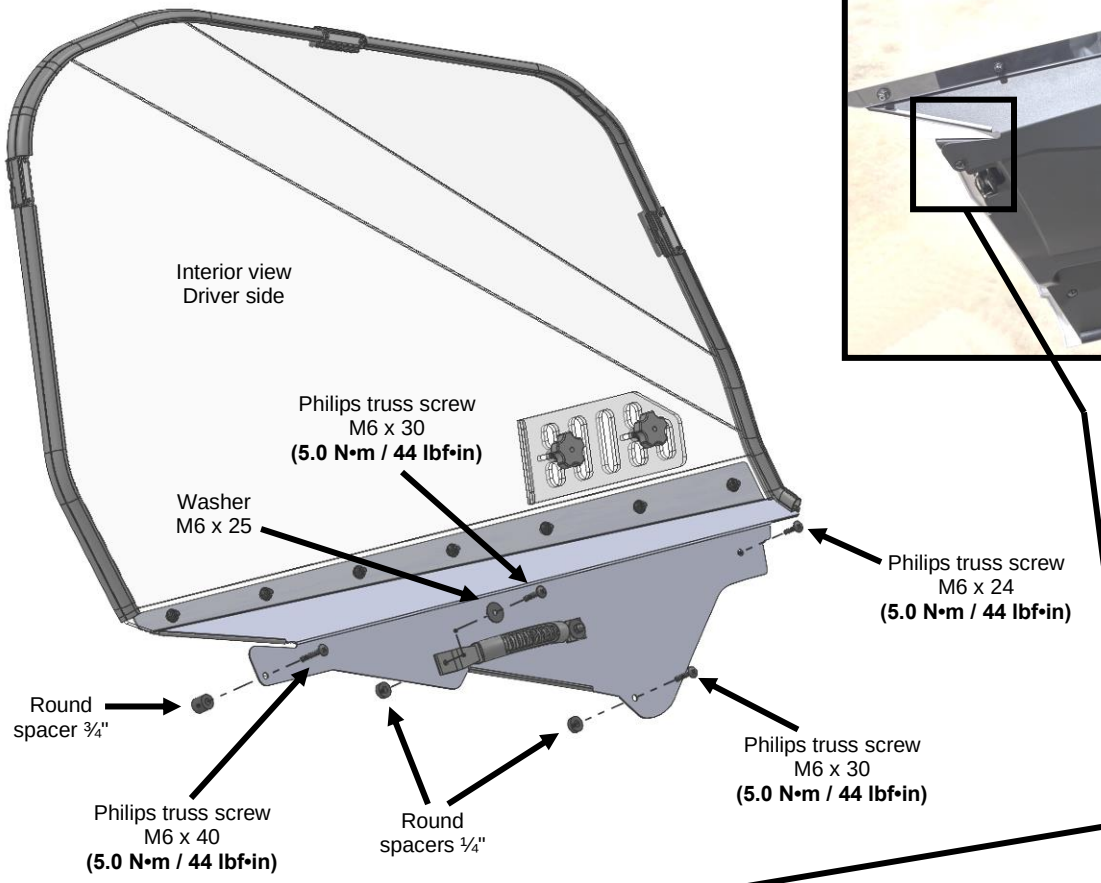
n) Install the pre-assembled front upper driver door panel to the vehicle using supplied hardware (Item O & P) as shown below.
<u>Do not overtighten.</u> Over tightening could cause parts failure.



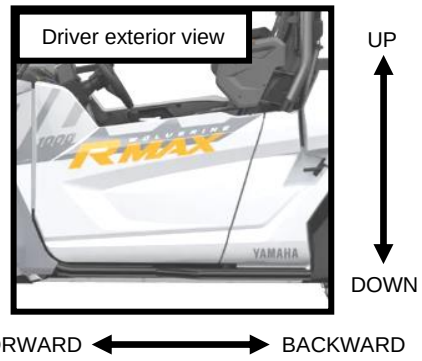


o) Repeat steps k) to n) for the passenger side door.

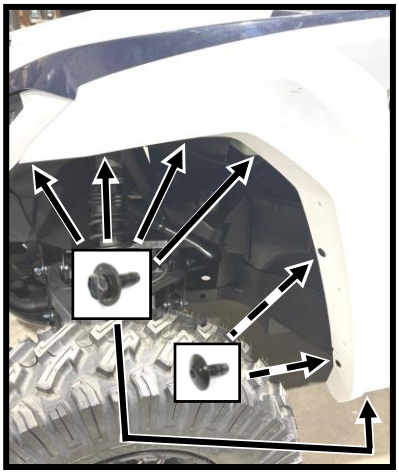
IMPORTANT NOTICES

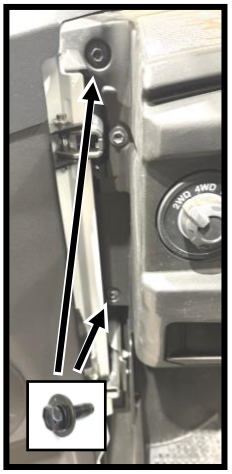
Torque specifications must be followed when tightening bolts.
Over-tightening any and/or all screws will cause cracks around mounting holes which is not covered by any warranty.

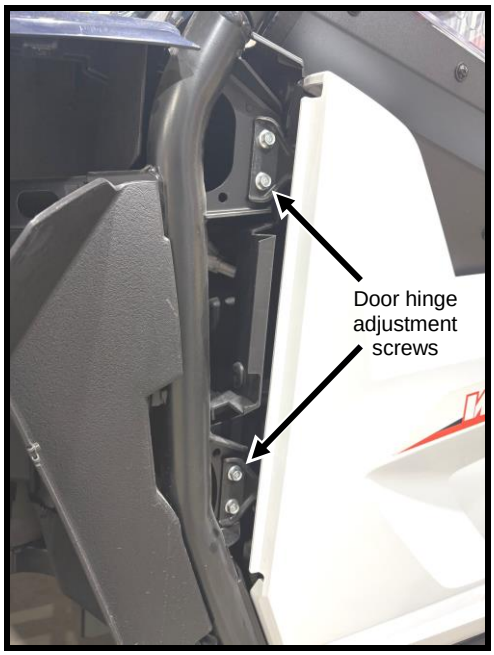
p) After completing the installation, open and close both doors a few times.
For any door adjustments see tips below:

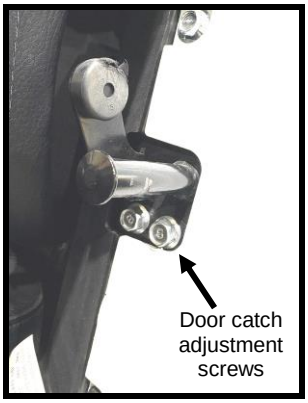


1. OEM doors are not pre-adjusted to accommodate door accessories. It is very common and strongly recommended to adjust door positions after installing door accessories.
2. The assistance of a second person can be very helpful. One person can hold the door while the other person performs adjustments.
3. Note that the door can be adjusted forward, backward and the rear portion of the door can also be adjusted up and down. The door catch can also be adjusted inward, outward, up and down as shown below.
4. In order to process any adjustment, you will need uninstall the vehicle front fender, see hardware location beside. Hex key 4mm and socket/wrench 10mm are required.
5. To adjust the door, loosen door hinge and/or the door catch screws, adjust position and tighten. Try closing and opening the door a few times. Repeat until proper adjustment is complete and tighten to OEM recommended torque of **37 N•m / 27 lbf•ft**.









6. Driver side shown, repeat for passenger side.

ATTENTION: With the upper door installed, the required force necessary to properly close the door may be increased. It is the responsibility of the end-user to ensure that the doors are properly closed prior to vehicle use. As a reference, when closing the doors slowly, the door latch must click twice. If not, pull the door until you hear the double click. CAUTION: Riding while doors are not closed properly can cause major injury.

2. Maintenance and Care

Tighten all hardware after first use and periodically thereafter.
See cleaning instructions on following page.

Cleaning Instructions for Polycarbonate Products

General Purpose Polycarbonate Products-GP will mar easily with wiping action. To minimize the risk of damage, use only compatible cleaners, a soft, clean cloth, (no paper towels!) and follow proper cleaning procedure as outlined below.

Hard coated Polycarbonate Products-HC offer a higher degree of both surface hardness and abrasion resistance, providing superior protection against unintentional chemical attack/damage. However, the use of abrasive, gritty cleaners or aggressive cleaning should be avoided to eliminate the possibility of scratching or damaging the coating. PLEASE NOTE: Trailering on an open trailer can cause windshield damage due to anti-freeze, brake fluid, oil, gasoline and even battery acid from other vehicles.

Cleaning / Preventing Scratches-ALL Shields:

- Pre-rinse the polycarbonate product with water to loosen and remove surface residue, grit and grime thoroughly. Pressure-washer spray is fine but at a safe distance with a fan spray nozzle – not jet spray mode.
- Using a clean sponge, microfiber sponge or soft cloth gently wash the polycarbonate product with lukewarm water. While cleaning - Keep the sponge clean of dirt, grit and debris. Rinse it frequently and keep it loaded with soap suds. MILD, diluted car wash soap is acceptable. **Do not apply cleaners under direct sunlight or during high temperatures!**
- Immediately rinse thoroughly with water, **DO NOT** allow cleaners to dry on the shield!
- Thoroughly dry using pressurized air, a chamois or moist cellulose sponge to prevent water spots.
- Protect using a quality product such as Plexus plastic cleaner, Rain X Plastic **(not standard RainX)**, or liquid car wax and a soft cloth. Plexus is a registered trademark of B.T.I chemical.

Compatible Cleaners for General Purpose Polycarbonate and Hard coated Polycarbonate Products:

The following cleaning agents have been found compatible with polycarbonate products. Follow the manufacturer's recommendations and instructions.

Compatible Cleaners: Joy®, Palmolive liquid®, or mild car wash soap diluted appropriately. **Do NOT use in sunlight or let dry!** Joy is a registered trademark of Procter & Gamble; Palmolive is a registered trademark of Colgate Palmolive.

Compatible Organic Solvents: Butyl Cellosolve, Kerosene, Naphtha (VM&P) grade.
Use these solvents only in extreme cases-All residual organic solvents should be removed with a second rinse.

Compatible Alcohols: Isopropyl Alcohol.
All residual organic alcohols should be removed with a second rinse.

Repairing Hairline Scratches (General Purpose Polycarbonate" Products Only):

Deep scratches and gouges made by sharp objects such as keys, screwdrivers, and knives cannot be repaired.
Hairline scratches and minor abrasions may be minimized by using a buffing/ polishing compound. We suggest testing a small area of the product first using a compatible polish following the manufacturer's instructions, prior to using the polish on the entire product. **ALWAYS** use a soft cloth and **NEVER** use paper towels.

Compatible buffing compound: Novus Plastic Polish #1 & #2, Mirror Glaze Clear Plastic Polish.
Cleaning and protecting, we recommend Plexus® plastic cleaner, Rain X Plastic **(not standard RainX)** or Liquid Car Wax.
Plexus is a registered trademark of B.T.I chemical.

For HARD COATED products, buffing the surface is not recommended. Buffing scratched areas may worsen the condition and further damage the coating. Once the coating is removed, it cannot be repaired and buffing may optically distort the polycarbonate product. Quick Spot cleaning on the trail can be done with water or window cleaner such as Sparkle etc., and a soft cloth. Rain-X can be used on HC Polycarbonate but **NOT** on GP Polycarbonate.

Some Important "Do NOT's":

- **DO NOT use abrasive or high alkaline cleaners on polycarbonate products!**
- **DO NOT scrape polycarbonate products with squeegees, razor blades or other sharp instruments.**
- **DO NOT use gasoline, benzene, acetone, or carbon tetrachloride on polycarbonate products.**
- **DO NOT clean polycarbonate products in direct sunlight or at elevated temperatures.**
- **DO NOT leave cleaners on polycarbonate products for a long period of time. Rinse IMMEDIATELY.**
- **DO NOT clean polycarbonate products with gasoline.**
- **DO NOT** use any cleaners other than those specified on the approved and compatible list included in this guide.
- **DO NOT** use **Super glue or thread lockers such as Loctite-immediate damage to the polycarbonate will result!**

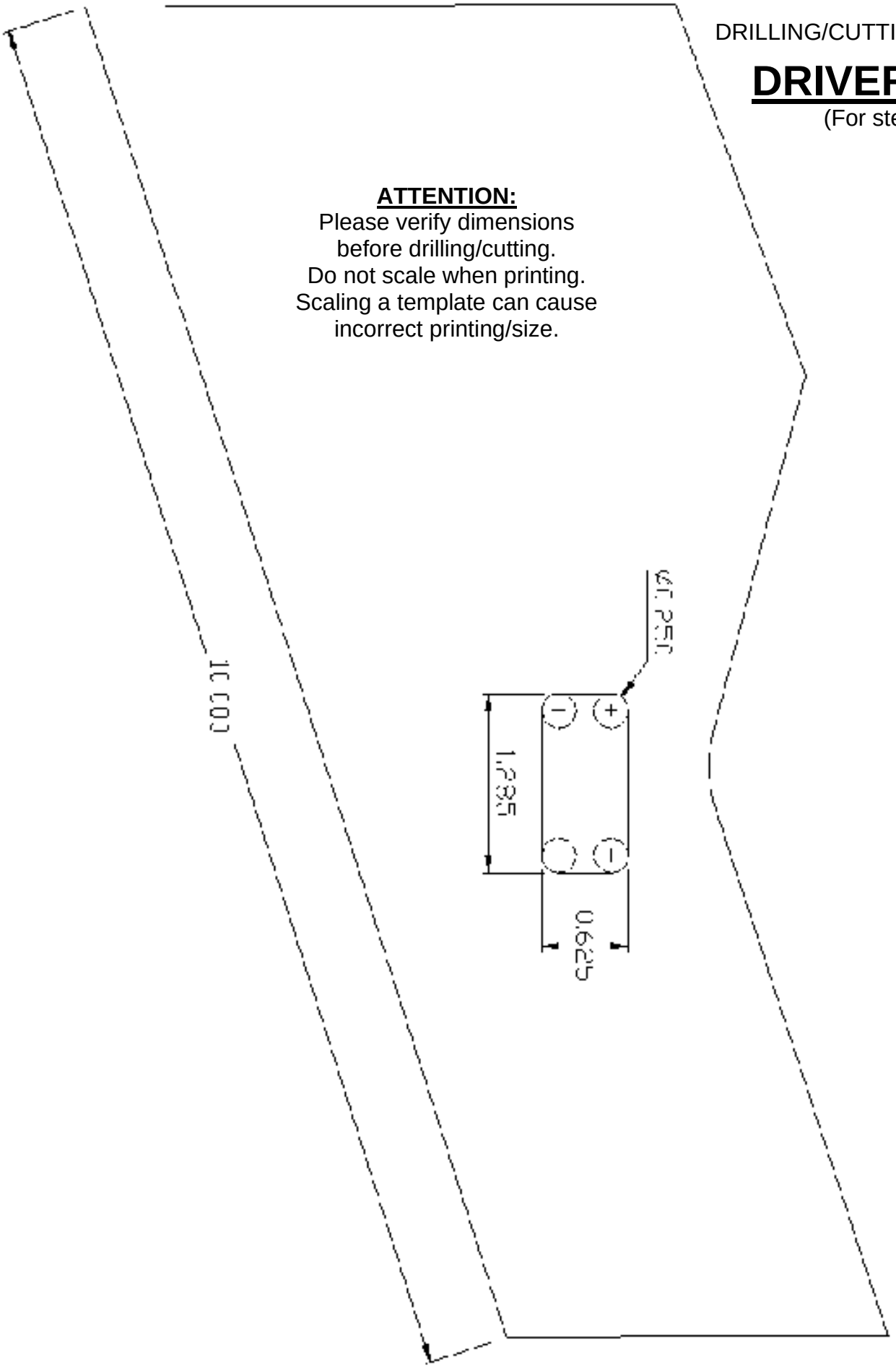
DRILLING/CUTTING TEMPLATE

DRIVER SIDE

(For step b))

ATTENTION:

Please verify dimensions
before drilling/cutting.
Do not scale when printing.
Scaling a template can cause
incorrect printing/size.



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DRILLING/CUTTING TEMPLATE

PASSENGER SIDE

(For step b))

ATTENTION:
Please verify dimensions
before drilling/cutting.
Do not scale when printing.
Scaling a template can cause
incorrect printing/size.