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Contents:














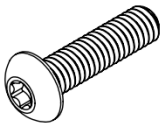







Qty	Description	Part Number	
1	RMAX FRONT DOOR - LHS		
1	RMAX FRONT DOOR - RHS		
1	RMAX REAR DOOR - LHS		
1	RMAX REAR DOOR - RHS		
1	RMAX FRONT SHROUD LHS	P46-1489	
1	RMAX FRONT SHROUD RHS	P46-1490	
1	RMAX MID SHROUD LHS	P46-1491	
1	RMAX MID SHROUD RHS	P46-1492	
2	RMAX CONNECTING SHROUD	P46-1493	
LARGE HARDWARE PACK			
	P46-1325	SMALL LATCH RELEASE PADDLE HANDLE PLASTIC BLACK	2
	P49-1039	LATCH CABLE - 23" STRAIGHT - Z-END AND BARREL	2
	P46-1442	LOCKING DOOR HINGE FOR .625 HOSE CLAMP	6
	P46-1043	CSI-229 HANDLE PC/PET 5.13L BLACK POLYCARBONATE BLEND MATERIAL - CSI-229	2
	P45-1635	GAS SPRING COMPRESSION W/ BALL STUD - STROKE 7.25" - COMP LENGTH 11.25" - EXTENDED LENGTH 18.5" - 20 LB FORCE	2
	P45-1624	RMAX FRONT DOOR FRONT BRACKET LHS	1
	P45-1625	RMAX FRONT DOOR FRONT BRACKET RHS	1
	P45-1626	RMAX FRONT DOOR REAR BRACKET LHS	1
	P45-1627	RMAX FRONT DOOR REAR BRACKET RHS	1

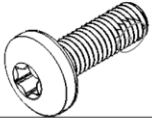
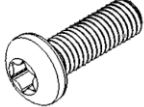

IMAGE	PART NUMBER	DESCRIPTION	QTY
	P45-1628	RMAX FRONT DOOR LATCH CABLE STANDOFF LHS	1
	P45-1629	RMAX FRONT DOOR LATCH CABLE STANDOFF RHS	1
	P45-1631	LRMAX REAR DOOR VEHICLE GS MOUNT BRACKET - A	2
	P45-1632	RMAX REAR DOOR VEHICLE GS MOUNT BRACKET - B	2
N/A	INSTRSHT	GENERIC INSTRUCTION SHEET	1


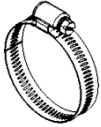





M4 HARDWARE PACKAGE

IMAGE	PART NUMBER	DESCRIPTION	QUANTITY
	P47-1447	M4 x 16 SCREW	4
	P47-1448	M4 LOCKNUT	4

M6 HARDWARE PACK

IMAGE	PART NUMBER	DESCRIPTION	QTY
	P47-1233	SCREW - STEEL - M6-1 X 16 MM - ROUNDED HEAD, HEX - BLACK, ZINC	14
	P47-1231	WASHER - STEEL - M6 FENDER - BLACK	18
	P47-1388	NUT - STEEL - M6-1 - FLANGED, NYLON INSERT - BLACK, ZINC	18
	P47-1400	SCREW - STEEL - M6-1 X 12 MM - ROUNDED HEAD HEX - BLACK	4
	P47-1210	NUT - STEEL - M6-1 - NYLON - BLACK	4
	P47-1318	SCREW - CLASS 10.9 STEEL - M6-1 X 50 MM - ROUNDED HEAD, HEX - BLACK	4

M8 HARDWARE PACK			
IMAGE	PART NUMBER	DESCRIPTION	QTY
	P47-1360	SCREW - STEEL - M8-1.25 X 25 MM LOCKING PATCH - LARGE ROUNDED HEAD, T40 SIX LOBE - BLACK	6
	P47-1327	SCREW - GRADE 8.8 STEEL - M8-1.25 X 25 MM - ROUNDED HEAD, T40 SIX LOBE - BLACK	2
	P47-1223	NUT - STEEL - M8 X 1.25 MM - NYLON - BLACK	6

SMALL HARDWARE PACKAGE			
IMAGE	PART NUMBER	DESCRIPTION	QTY
	P45-1464	SHROUD CLIP, 2" D, SMALL - STEEL BLACK PER CSI-SPEC-002	4
	P47-1477	HOSE CLAMP 1.25" TO 2.13" D FIT 9/16" BAND WIDTH SLOTTED DRIVE STAINLESS STEEL, BLACK	6
	P47-1117	SCREW STUD - BRASS - 8-18 X 0.5" - SIX LOBE - BLACK	2
	P46-1465	SNAP IN PLUG FOR .875" ID / 1" OD, PLASTIC, BLACK	4
	P46-1132	TREE CLIP CHRISTMAS CLIP FASTENER .187 HOLE .480 ROUND FLAT HEAD DIAMETER CLIPXMAS	16
	P47-1519	SCREW - STEEL - M10-1.5 X 18 MM - BUTTON HEAD CAP, HEX DRIVE - GUNMETAL GREY	2
	P10-1066	EPDM CO-EXTRUDED PUSH ON FLAP SEAL, CUT @ 4"	1

Tools Required:

- Safety glasses
- Combination Wrench – 7mm, 10mm, 13mm
- 10 mm socket and ratchet
- Torx Driver – T20, T30, T40
- Torx Driver T40 Tamper Resistant
- Awl
- Heat Gun
- Hand drill

- Drill Bits – 1/8", 5/16", 1/4", 11/64", Step drill up to 7/8" or multiple drill bits increasing in size up to 7/8"
- Rotary Tool (Dremel or similar)
- Soldering iron (if installing a mirror)
- Tree Clip Fastener Removal Tool

Approximate Assembly Time: 3 hours

Safety Information:

- You must wear eye protection and appropriate gloves when installing this kit.
- The engine must be OFF when performing any operation on the vehicle.
- Always be aware of parts that can move, such as wheels, transmission components, etc.
- Some components may be HOT. Always wait for the engine to cool down before performing work.
- Door is not intended to retain and/or protect occupants.
- Subtract the weight of the accessory from the weight limit of the vehicle.

Always:

- o Fasten your seat belt.
- o Fasten lateral net.
- o Keep your entire body inside the cockpit.
- o Latch the door before riding.
- o Transport this vehicle facing forward.
- o Do not rest elbow on door while riding.
- o Never operate UTV without lower doors and nets in place.
- o Inspect for safety problems, loose hardware, and loose buckles and straps before use.

Use and Care Information:

- To clean use sponge with mild soap and cold water, rinse with a hose and allow it to drip-dry.
- Do not machine wash or dry.
- Use mild detergent to remove stubborn stains.
- When not in use, the window roll-up strap can be snapped to itself or otherwise stowed.
- The zipper should be cleaned using a toothbrush with soap and water and rinsed as needed. Once the zipper is cleaned, the teeth should be lubricated using beeswax or zipper specific lubricant.

Important:

- This Spike Power Sports Door Set is exclusively designed for use with the Yamaha RMAX vehicle.
- Before beginning, read the installation instructions carefully, completely and verify that all components are included in this kit.
- Installation is easiest if the vehicle is clean and free of debris.
- The instructions are written, and the photos show installation to the Left side of the vehicle. All steps must be performed on both sides of the vehicle.
- The illustrations/photos in this document show typical construction of the different assemblies and may not reproduce the full detail or exact shape of the parts; however, they represent parts that have the same or similar functions.
- Install all fasteners to the torque specified in the factory service manual.



Vehicle Preparation:

1) Uninstall the roof and its fasteners as instructed in the User's Manual.

NOTE: Retain the removed hardware for later re-install.

2) Uninstall the windshield and its fasteners as instructed in the User's Manual.

NOTE: Retain the removed hardware for later re-install.

3) Uninstall the M6 Screw and Washer shown.

NOTE: Retain the removed hardware for later re-install.

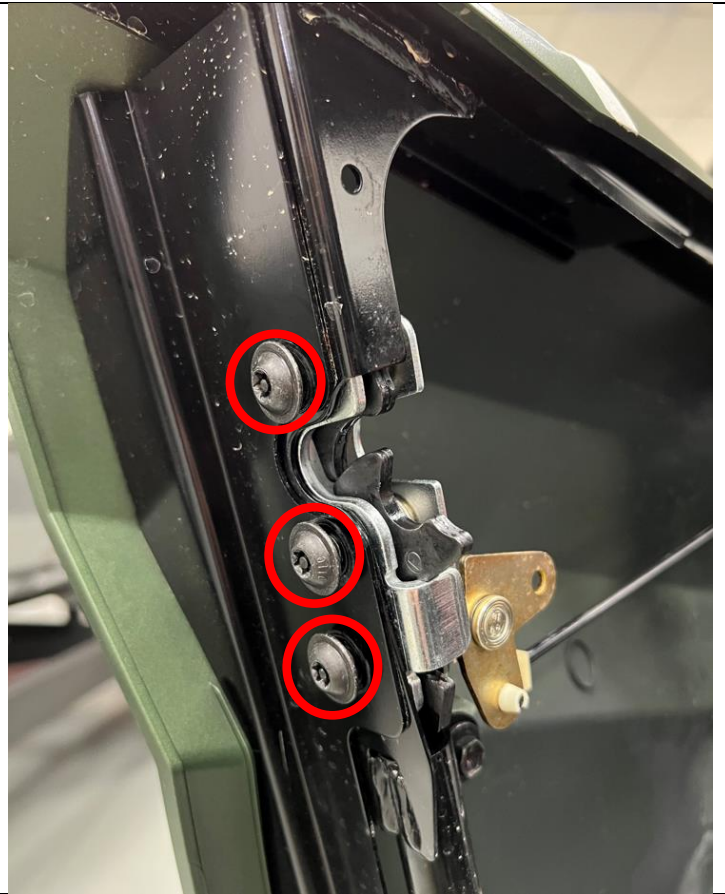


4) Uninstall the Inner Plastic panel on the Lower Door including screw fasteners (4) and tree clip fasteners (6) as instructed in the User's Manual.

NOTE: Retain the removed hardware for later re-install. Additional Replacement Tree Clips are provided in the small hardware pack in case the stock clips get damaged during the uninstall process.



5) Uninstall the Latch on the lower door.



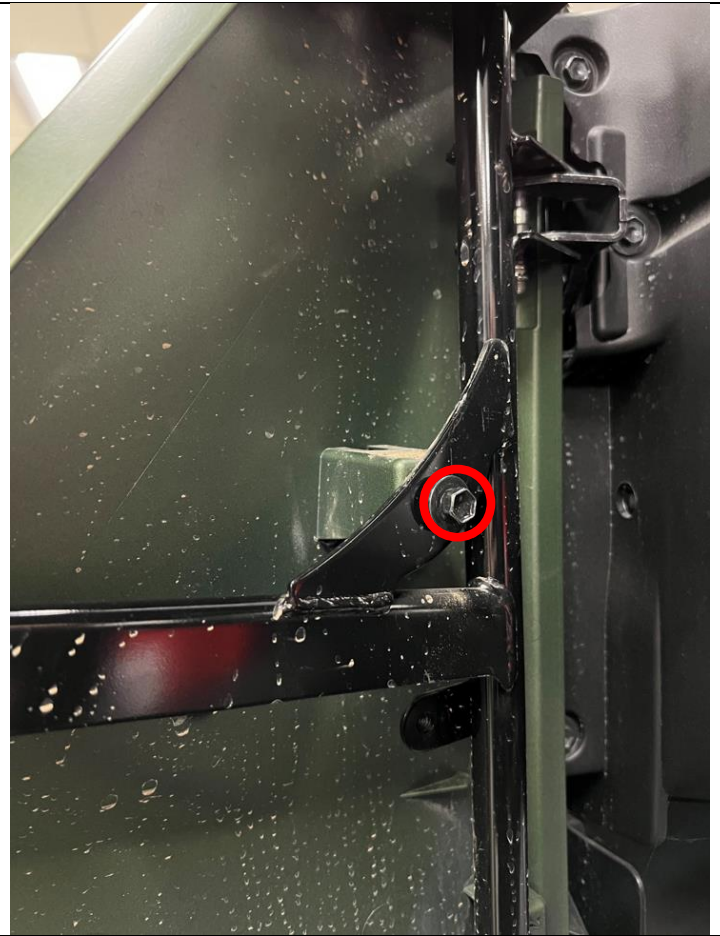
6) Uninstall the tree clip fastener shown. This will allow the metal close off plate to hang loose from the frame.

NOTE: Retain the hardware for later re-install.



7) Uninstall the M6 bolt and washer shown.

NOTE: Retain the removed hardware for later re-install.

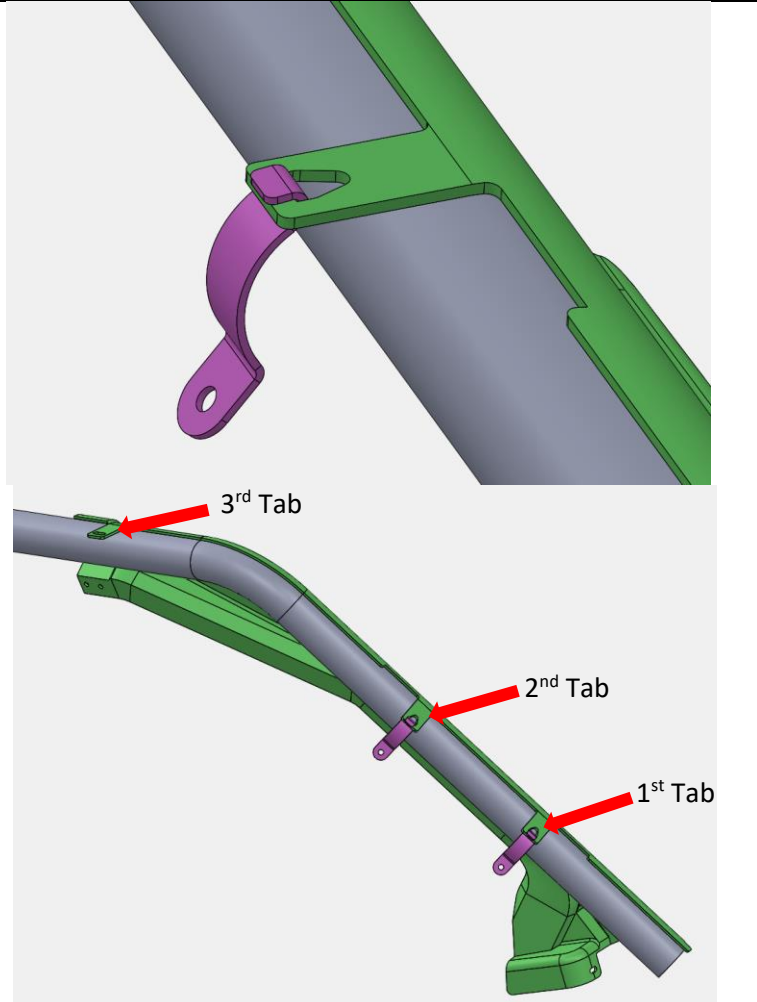


Shroud Installation Instructions:

- 1) Align front shroud with the ROPS. Slide the lower corner tab of the plastic along the ROPS into the opening in the front fender.

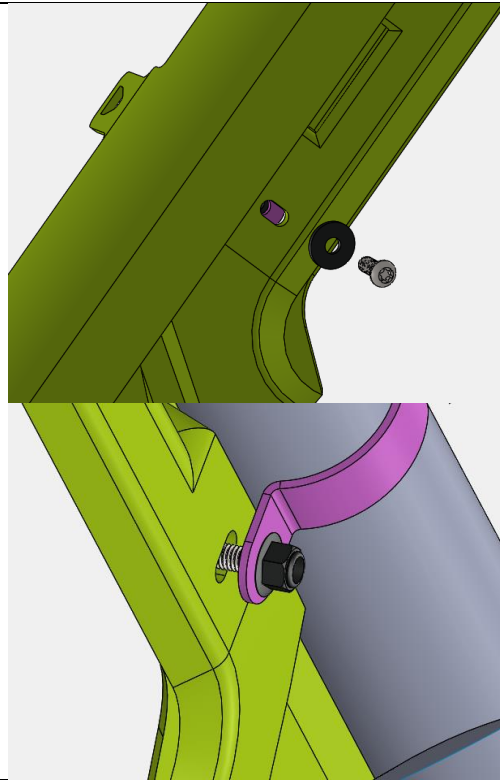


- 2) Hook each Shroud Clip 1 and Clip 2 to the tabs on the shroud as shown. The 3rd tab will be fastened in a later step (Step 10).



- 3) Fasten the plastic shroud to the clips using M6 x 16mm bolts (2), M6 Fender Washers (2), and M6 Flange Nuts (2) as shown.

Do not fully tighten the bolts at this time. The shroud should be secure, but still be able to move for adjustment later.



- 4) Fasten the slot on the lower section of the Front Shroud to the hole on the vehicle reusing the M6 Screw and Washer removed in a previous step.

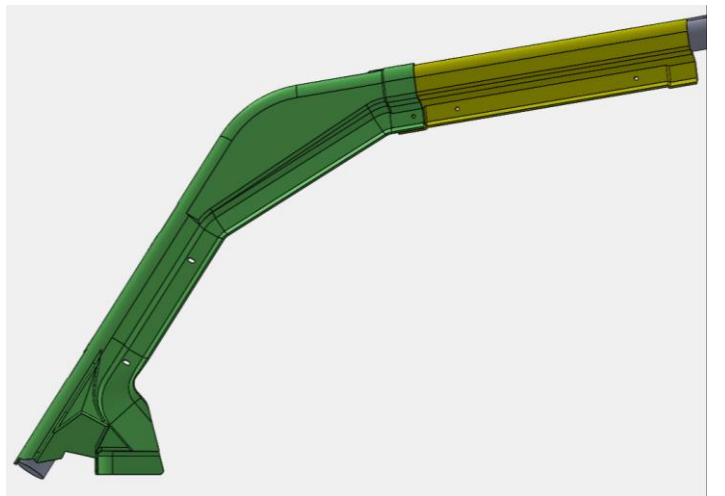
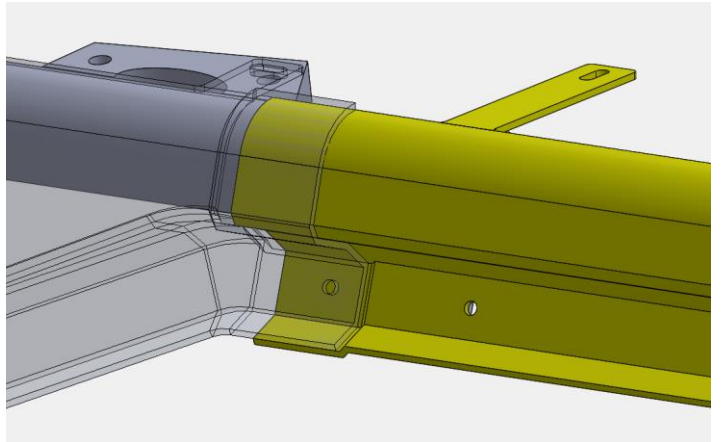


- 5) Trim the supplied seal (P10-1066) to same length (Approximately 2'') as the edge of the shroud as shown.

Install the seal on the edge of the shroud.

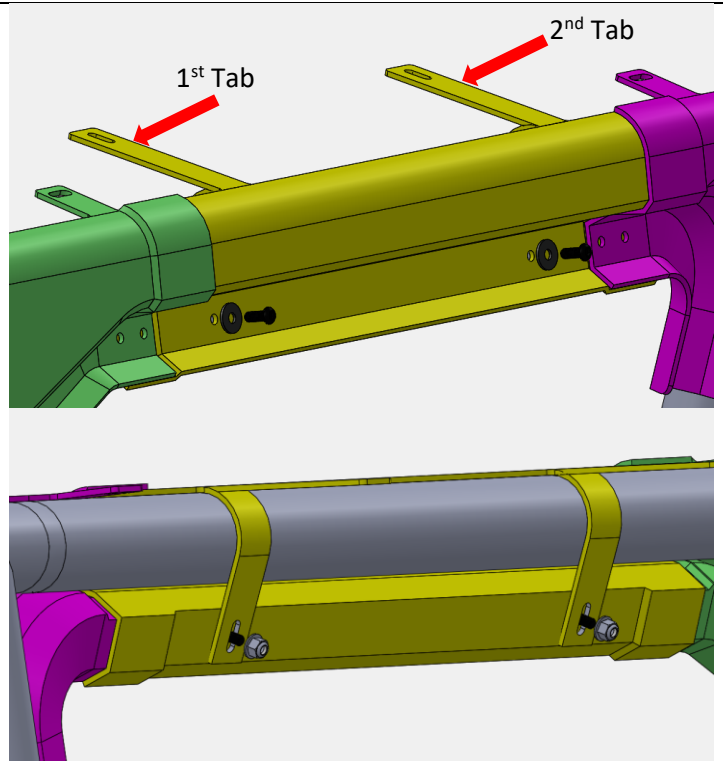


- 6) Slide the front stepped section of the Connecting Shroud under the top lip of the Front Shroud as shown.

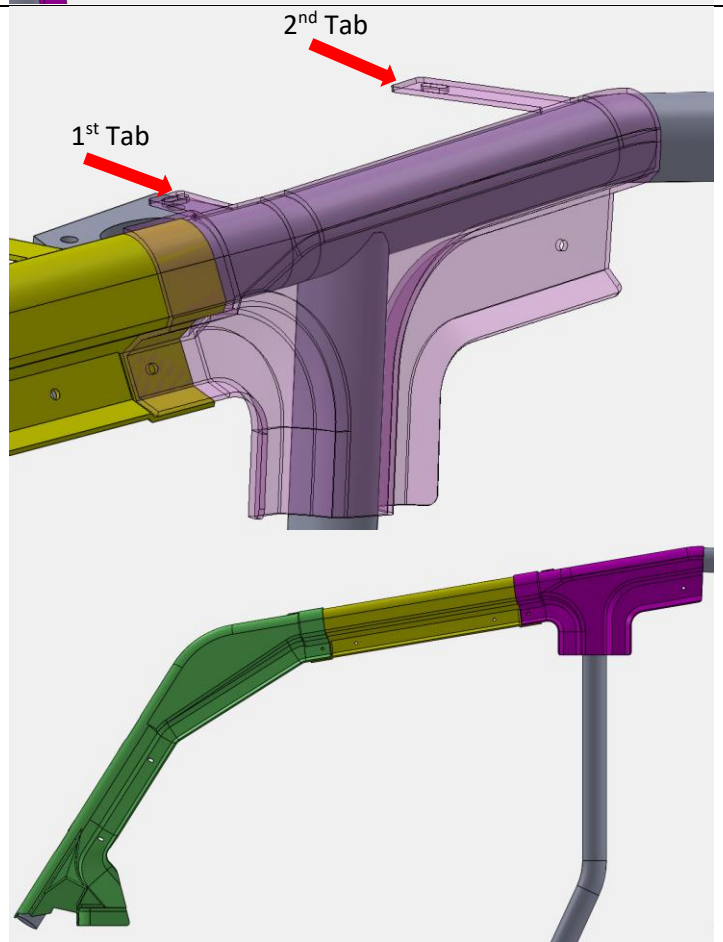


7) Curl the tabs (2) around the tube frame and fasten to the hole using M6 x 16mm bolts (2), M6 Fender Washers (2), and M6 Flange Nuts (2) as shown.

Do not fully tighten the bolts at this time. The shroud should be secure, but still be able to move for adjustment later.



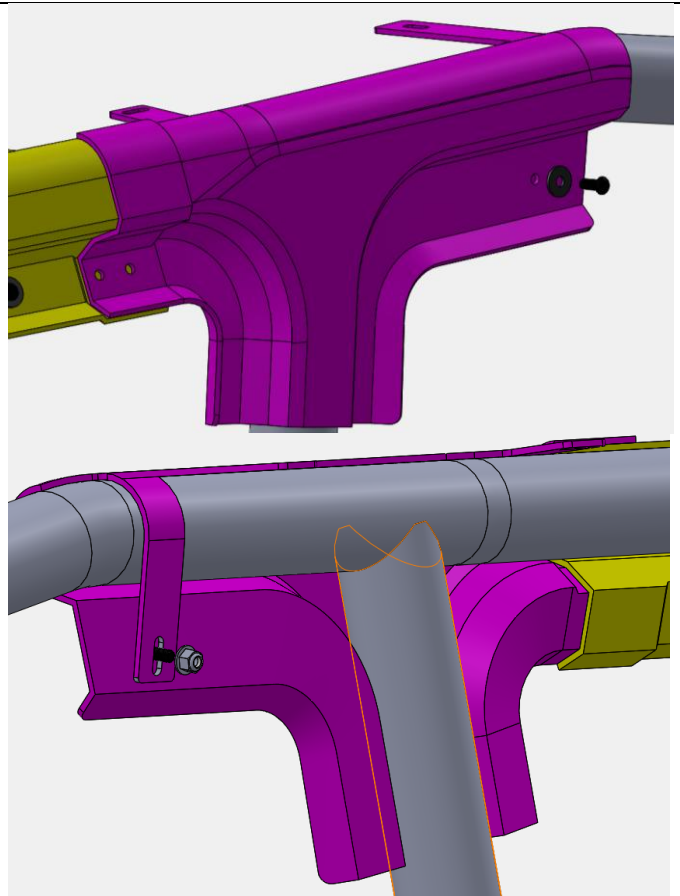
8) Position the Mid Shroud over the Connecting Shroud as shown.



9) Curl the 2nd Tab around the tube frame and fasten to the hole using M6 x 16mm bolts (1), M6 Fender Washers (1), and M6 Flange Nuts (1) as shown.

The 1st tab will be fastened in a later step (Step 11).

Do not fully tighten the bolts at this time. The shroud should be secure, but still be able to move for adjustment later.



10) Fasten the 3rd Tab on the Front Shroud to the weldment using M6 x 50mm bolts (1), M6 Fender Washers (1), and M6 Flange Nuts (1) as shown.



11) Fasten the 1st Tab on the Mid Shroud to the weldment using M6 x 50mm bolts (1), M6 Fender Washers (1), and M6 Flange Nuts (1) as shown.



12) Use the hole on the top section Front Shroud as a guide to drill out holes in the connecting shroud using a ¼" Drill Bit.
Fasten the two shrouds together using M6 x 16mm bolts (1), M6 Fender Washers (1), and M6 Flange Nuts (1)



13) Use the hole on the front section Mid Shroud as a guide to drill out holes in the connecting shroud using a ¼" Drill Bit.
Fasten the two shrouds together using M6 x 16mm bolts (1), M6 Fender Washers (1), and M6 Flange Nuts (1)

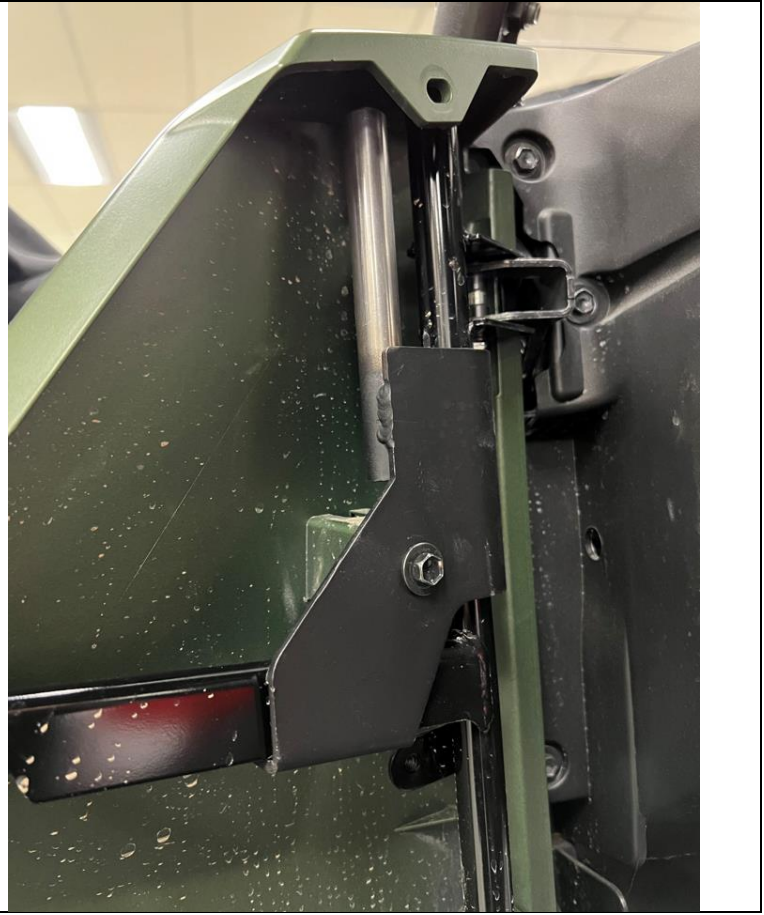


14) Tighten down all the shroud fasteners.

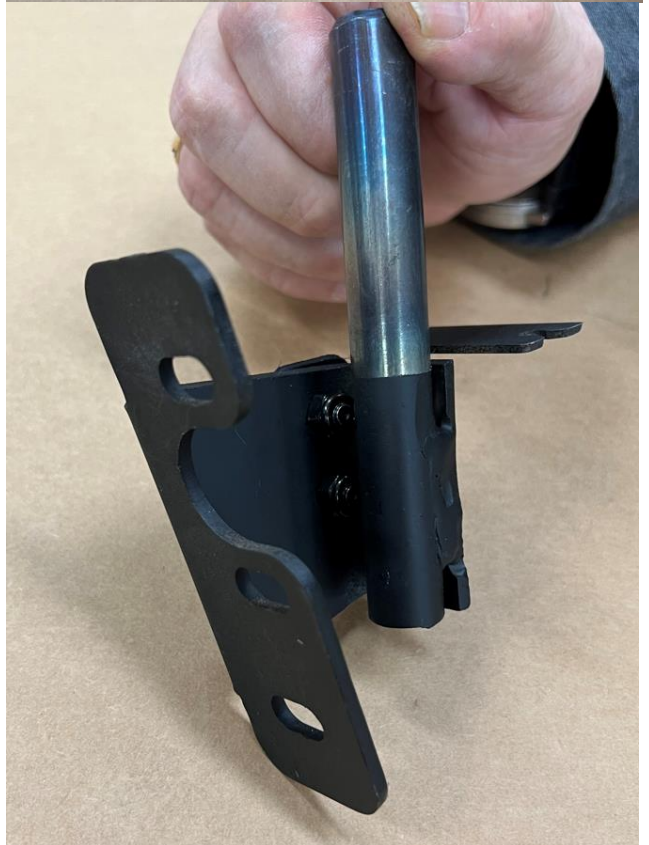
Front Door Installation:

- 1) Install the front receiving bracket reusing the hardware removed in Step 7 on Page 8.

Do not fully tighten the bolts at this time. The bracket should be secure, but still be able to move for adjustment later.



- 2) Assemble the Rear Receiving bracket to the Latch Cable Standoff bracket using M6x12mm Screws (2) and M6 Nyloc Nut (2).



3) Position the assembled rear receiving bracket to line up with the holes on the lower door frame as shown.

Mount the close off plate back in place and fasten using the supplied M8x25mm (3) Bolts with locking patch(P47-1360).

Do not fully tighten the bolts at this time. The bracket should be secure, but still be able to move for adjustment later.

Reinstall the tree clip fastener that was removed in Step 6 on Page 7.

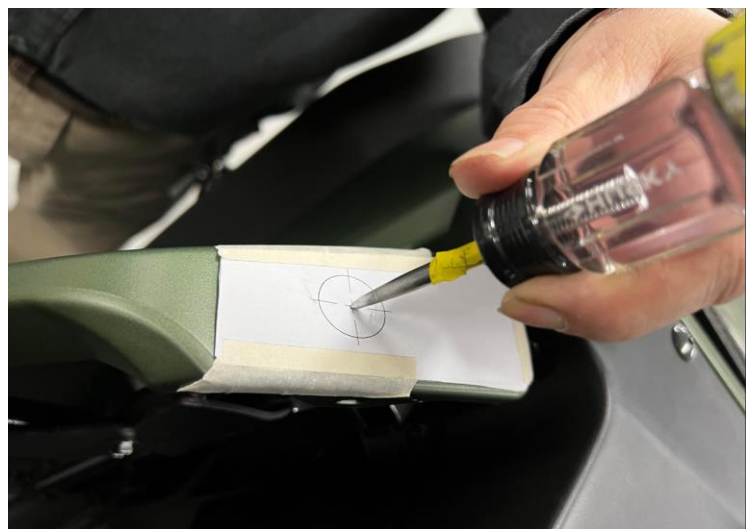
NOTE: Replacement Tree Clips are provided in the small hardware pack that may be used if the stock clips get damaged during the uninstall process.



4) Print the drill hole templates and Handle Template provided at the end of the document. Cut the templates out.

IMPORTANT: Templates must be printed at 1:1 scale!

5) Place the Template for the front mount location on the outside plastic panel and line it up as shown. Mark the center of the hole using an awl.



- 6) Trim the exterior Plastic Panel for the front mount position. Begin with drilling a small (approximately 1/8th) hole in the marked location. Visually confirm that the hole is centered above the front receiving pin.

Important: The bracket might have to be temporarily removed for drilling based on the tool being used.

Widen the hole to 7/8" diameter either using a step drill or by using increasingly larger drill bits. Be sure that the hole remains centered at the starting location.

Note: Drilling plastic requires care and caution to avoid damaging the doors. Use light drill pressure to avoid tearing or damaging of the plastic outside of the intended hole area.



- 7) Place the Template for the rear mount location on the outside plastic panel and line it up as shown. Mark the center of the hole using an awl.



8) Trim the exterior Plastic Panel and internal metal panel for the rear mount position. Begin with drilling a small (approximately 1/8th) hole in the marked location. Visually confirm that the hole is centered above the front receiving pin.

Important: The bracket might have to be temporarily removed for drilling based on the tool being used.

Gradually increase the drill size to 7/8" diameter bit, while confirming the hole remains centered. Can use a step drill for ease.

If the doors are removed during warmer weather, the holes can be covered with the supplied (P46-1465) 7/8" plastic caps.

Note: Drilling plastic and metal requires extra care and caution to avoid damaging the doors. Use light drill pressure to avoid tearing or damaging the plastic and metal frame outside of the intended hole area.



9) Place the Handle Template on the outside plastic panel and line it up as shown.



10) Drill out the corners of the rectangular hole using a 1/4" drill bit. Use a Rotary cutting tool (such as a Dremel with a cut-off wheel) to finish cutting the rectangular hole. Deburr the edges of the cutout.

11) Insert the Handle.
IMPORTANT: Be sure the handle is oriented correctly. The hinging trigger should be facing the front of the vehicle and the empty space should be facing the rear.



12) Mark the centers of the two holes in the handle on the plastic panel using an awl. Use a 11/64" bit to drill out the two circular holes.

13) Install the handle using M4x16mm Screw (2) and M4 Nyloc Nut (2).



14) Reinstall the Front and Rear Brackets loosely if they were removed for the drilling operation.

Install the upper door by sliding the legs through the holes drilled in the lower door.

Make sure webbing with snap and rubber handle are towards the inside of the vehicle.

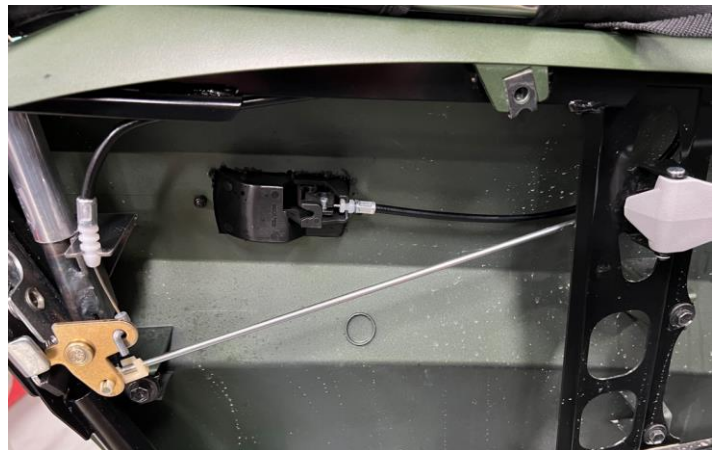
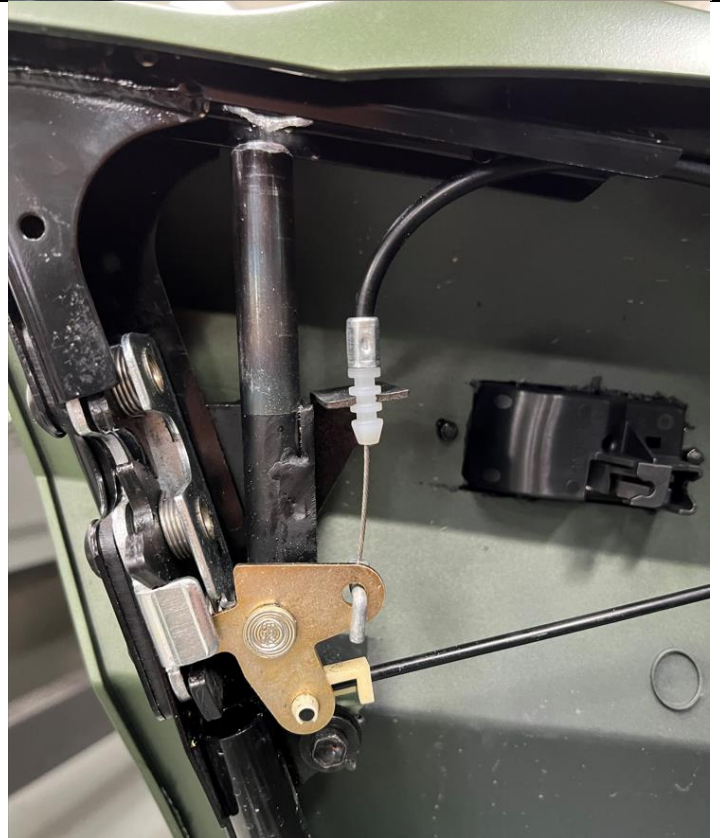


15) Tighten down all the bracket fasteners. Once the fasteners are tightened the upper door can be removed again to ease the remaining installation steps.

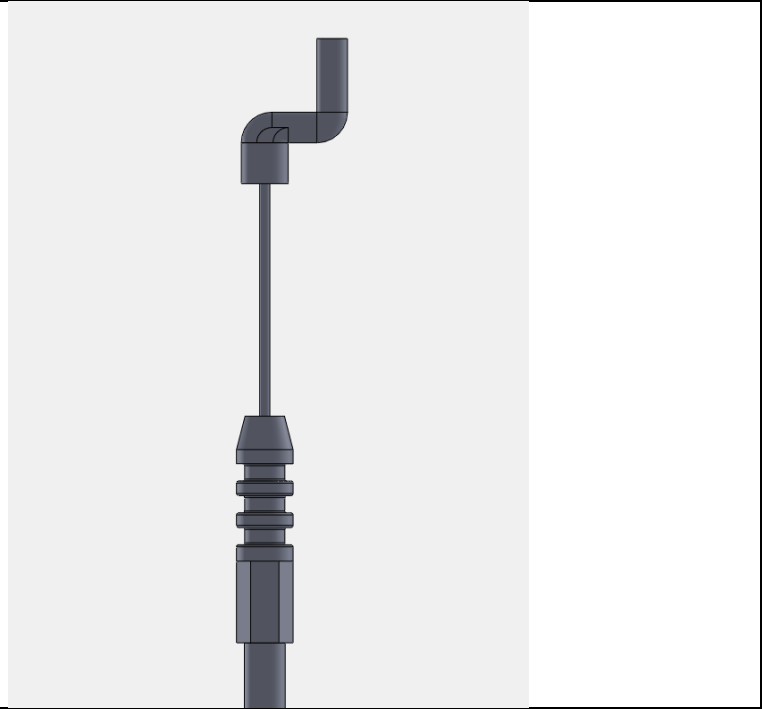
16) Install the Cable Barrel End Fitting to the handle by sliding the cylindrical portion into the hole and snapping the ring on the end cap casing into circular cutout.



17) Mount the Z end of the cable through the hole in the latch lever and snap the cable in the middle position of the Latch Cable Standoff.



18) Test the latching system to make sure the setup works correctly. Adjustments can be made to by changing the snapping position on the 3 Ring Fitting End Cap Casing.



19) Reinstall the Inner Plastic panel on the Lower Door using the screw fasteners (4) and tree clip fasteners (6) as instructed in the User's Manual.

NOTE: Additional Replacement Tree Clips are provided in the small hardware pack in case the stock clips get damaged during the uninstall process.

20) The open end of the loosely hanging Rubber handle is installed to lower door frame using the existing bolt as shown.



21) Pull the webbing tab down tightly and mark the center of the Snap Head on the Inner Plastic Panel installed in the previous step.

Install Screw Stud at the marked location.

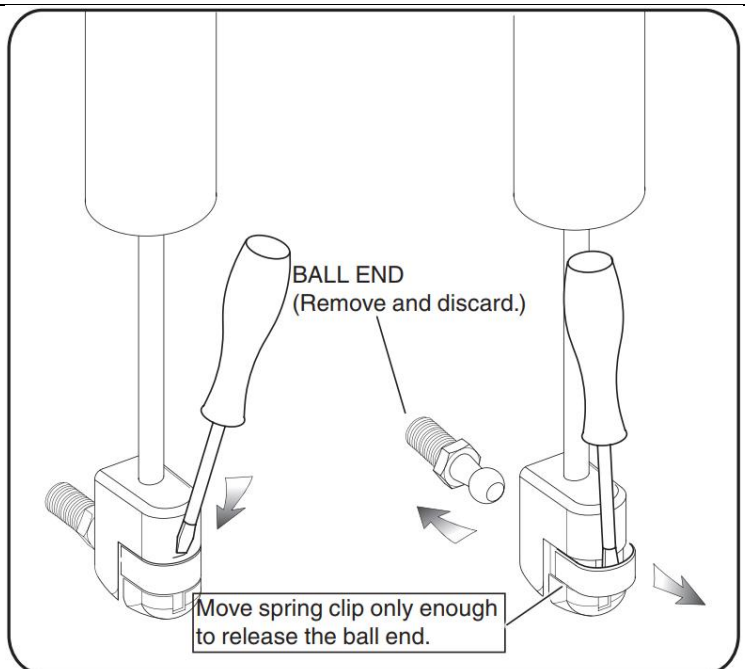
Snap the Cap to the stud.

Note: Care must be taken when installing the screws to the plastic panel. Use a handheld Torx driver to install the screw. Over torque of the screw could result in failed threads.



Rear Door Installation:

1) Remove the Ball Ends (2) from the body and rod end of the gas spring as instructed.



2) Install one of the Ball End to the hole on the Gas Shock Bracket stamped **L** as shown.

IMPORTANT NOTE: When installing the right-hand side door, the Ball End will be installed to Gas Shock Bracket stamped **R**



3) Install the other Ball End to the hole on the Gas Shock Tube Bracket on the rear fabric door as shown.

NOTE: Make sure the Balls Ends are installed in the correct orientation as it is critical to the functioning of the door.



4) Mount the Gas Shock Mount Bracket L & R on the rear seatbelt retractor weldment as shown.

IMPORTANT: The Bracket stamped L is on the bottom for the Left-Hand Side Rear Door Installation. For the Right-Hand Side Rear Door, the Bracket stamped R will be on the bottom.

Fasten the two components using M8x25mm Screw and M8 Nyloc Nut.

Do not fully tighten the bolts at this time. The bracket should be secure, but still be able to move for adjustment later.



- 5) Loosely install the locking hinges on the upper rear cab frame using the hose clamps as shown. The locking hinge should have the opening facing down and the hinge portion to the inside of the vehicle.



- 6) Install the rear fabric door frame to the locking hinges so that the middle hinge is between the two plastic buttons on the door frame as shown.

Note: Unzip the clear window for easy access during installation.

Adjust the hinges so that the door frame is centered inside of the cab frame and the fabric door nests well in the Mid Shroud and swings open and close without interference.

Tighten the hose clamps once the door is correctly aligned.

NOTE: Do not over tighten the hose clamps.



7) Tuck the fabric flaps over the ROPS and underneath the roof and attach to Hook and Loop Fastener on the rear as shown.



8) **Door Handle Installation:**
Install the T-Handle by sliding cylindrical portion through the hole on the handle cup installed on the lower section of the door as shown. The handle must be flush with the cup surface.

Door Latched Configuration:

Bring the T-Handle to vertical position. Install the Inside Handle vertically by sliding the round opening onto the tube.
Hold the two assembled pieces together and tighten the setscrew on the top of Inside Handle.

Door Unlatched Configuration:

Turning the T-Handle forward must rotate the Inside Handle out of the way to clear for the upper door to swing open.

Door Latched Configuration



Outside View

Inside View

Door Unlatched Configuration



Outside View

Inside View

9) Gas Shock Installation:

Snap the ends of the gas spring over the ball ends.



10) Swing the door open and closed to make sure the door and gas shock work smoothly.

Front Door Accessory Mirror Installation (Optional, mirrors are not included with this kit):

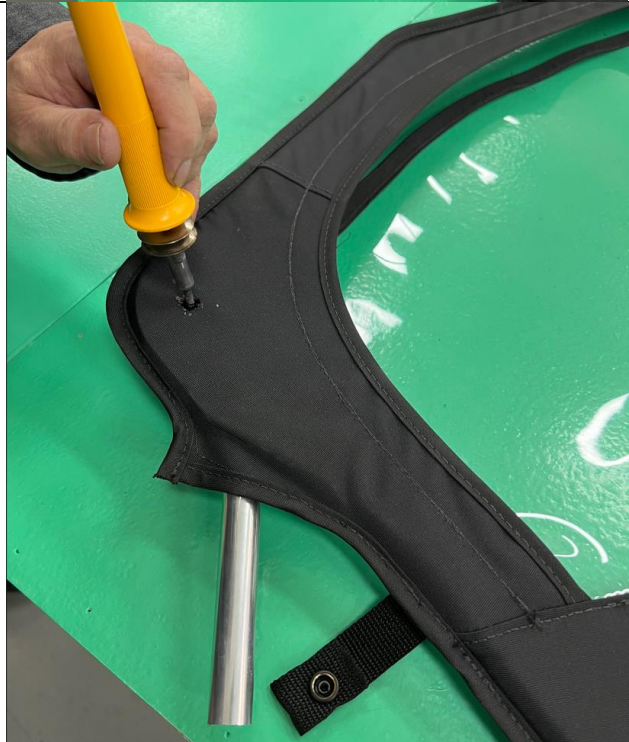
1) With all zippers closed, locate the mirror installation hole on the front bracket by feel, as shown. Mark the center of the hole on the fabric door.



2) Unzip the clear window and the inner zipper. Use a soldering iron to burn a hole through the door skin.

IMPORTANT – This step requires extra care in order to not damage the fabric door skin.

NOTE – A razor knife may be used instead of a soldering iron.

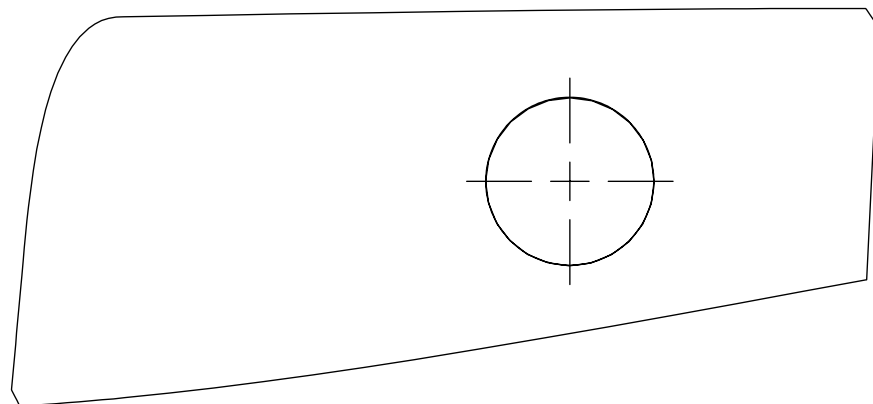


3) Install the mirror using the M10 x 18mm Screw. The rear side of the skin has a buttonhole for ease of installation of the screw.

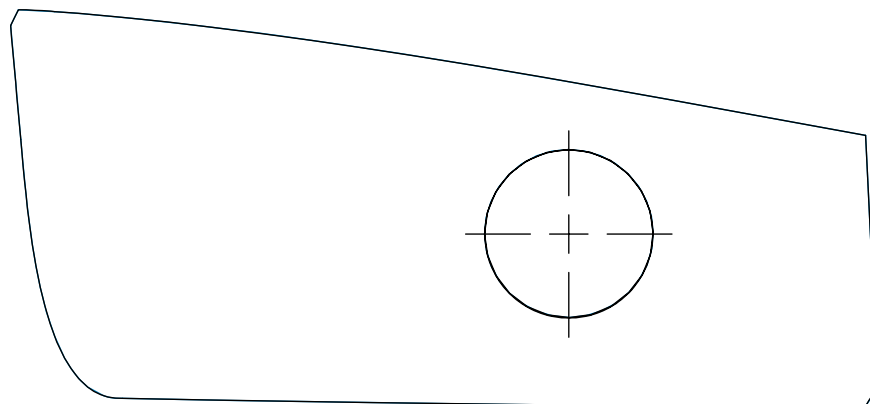


4) Close all zippers.

FRONT MOUNT DRILL HOLE TEMPLATE



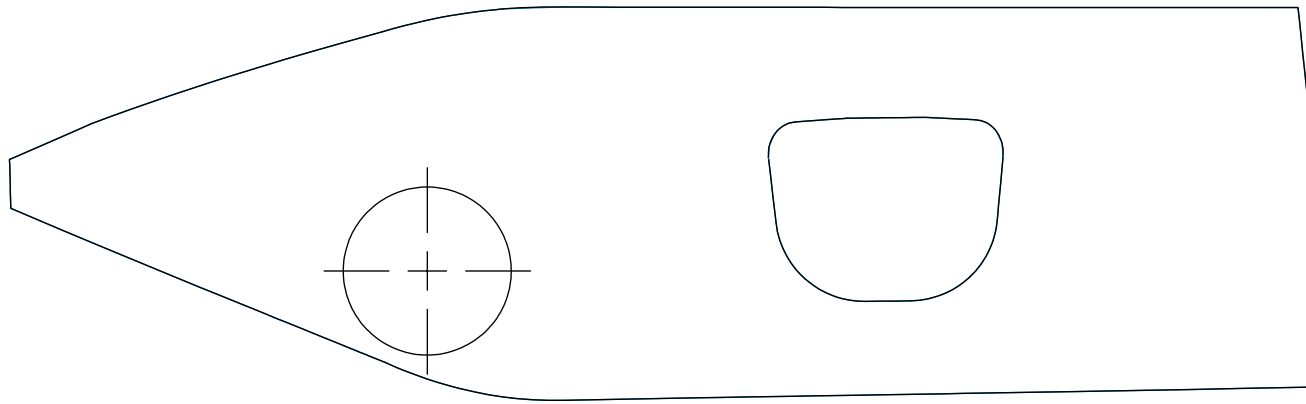
LEFT SIDE DOOR
(DRIVER SIDE)



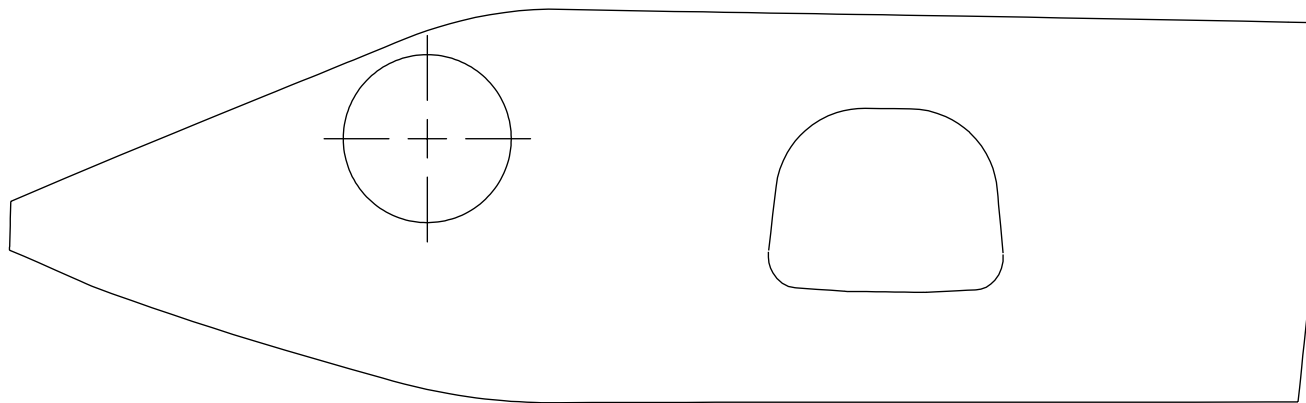
RIGHT SIDE DOOR
(PASSENGER SIDE)

IMPORTANT: TEMPLATE MUST BE PRINTED AT 1:1 SCALE.

REAR MOUNT DRILL HOLE TEMPLATE



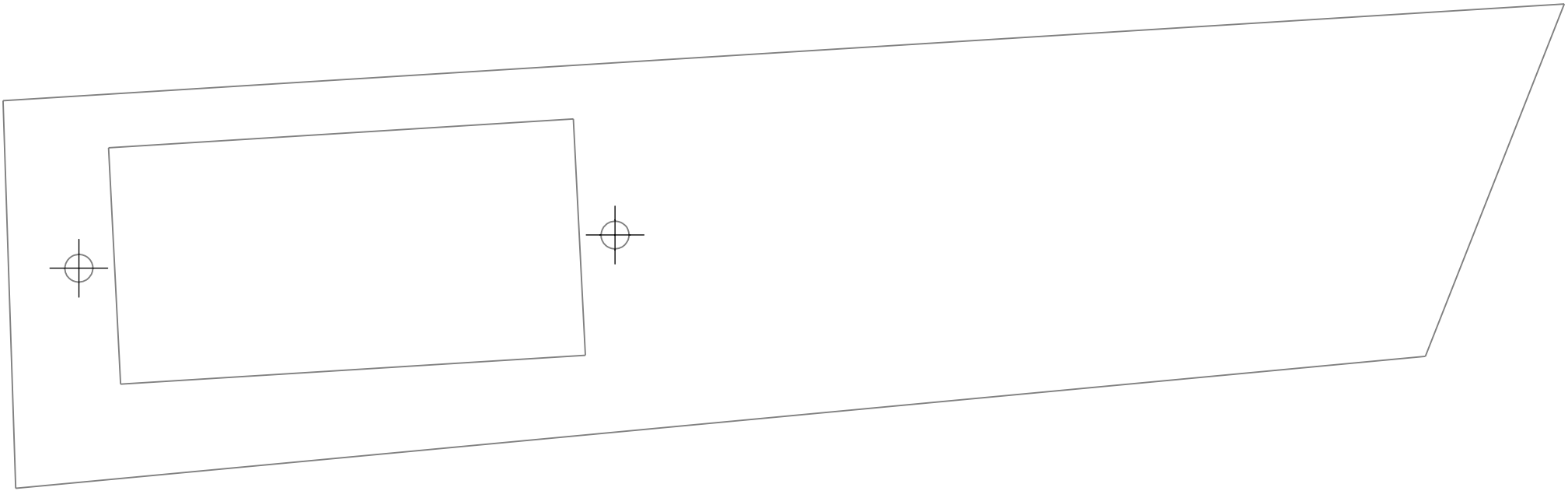
LEFT SIDE DOOR
(DRIVER SIDE)



RIGHT SIDE DOOR
(PASSENGER SIDE)

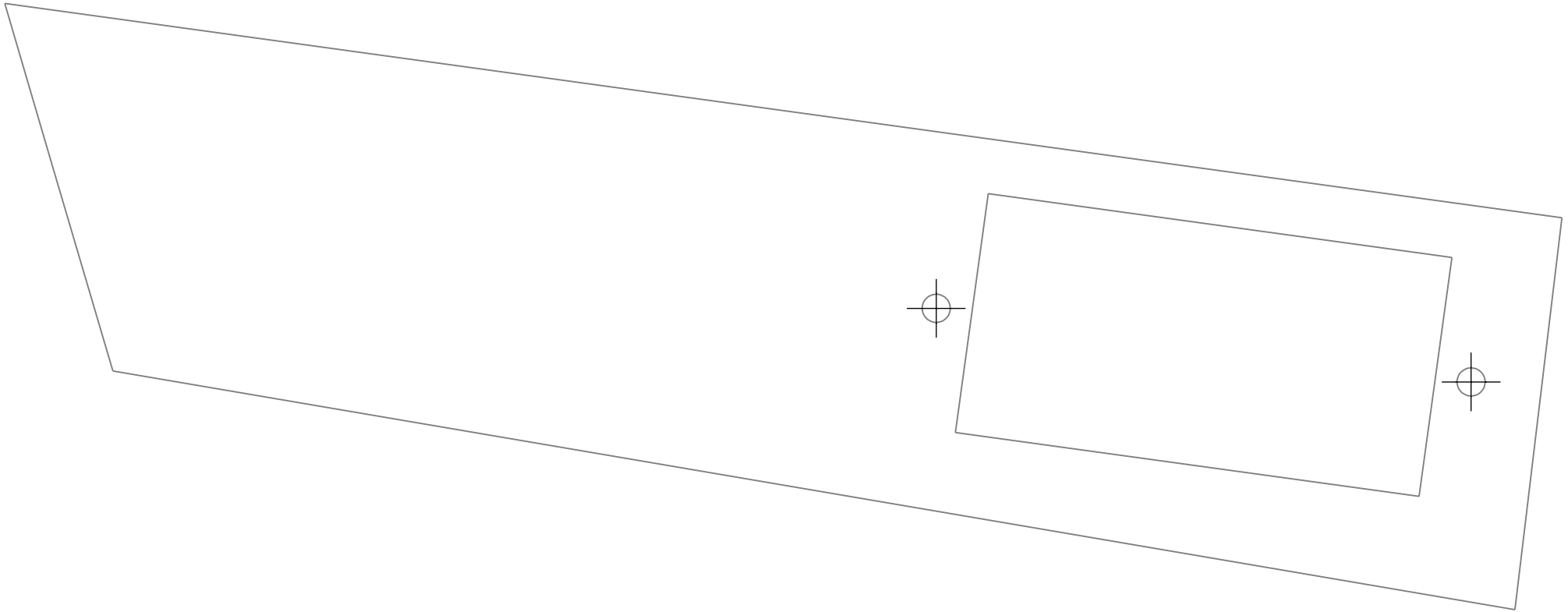
IMPORTANT: TEMPLATE MUST BE PRINTED AT 1:1 SCALE.

HANDLE TEMPLATE FOR
LEFT HAND SIDE DOOR
(DRIVER SIDE)



IMPORTANT: TEMPLATE MUST BE PRINTED AT 1:1 SCALE.

HANDLE TEMPLATE FOR
RIGHT HAND SIDE DOOR
(PASSENGER SIDE)



IMPORTANT: TEMPLATE MUST BE PRINTED AT 1:1 SCALE.