



INSTALL GUIDE

VOLKSWAGEN GOLF MK7/MK7.5 GTI-R

COMPETITION SERIES FRONT SPLITTER KIT

DISCLAIMER

aerofabb, LLC is not responsible for damage to you or your vehicle while following this Install Guide and/or installing aerofabb products. Professional install is recommended. aerofabb also encourages you to read through this Install Guide in its entirety ensuring all parts and hardware are present prior to beginning the actual installation process.



WARNING**HARDWARE THREAD GALLING / THREAD LOCK**

We provide Fasteners in Stainless Steel to ensure a long life span. Although Stainless Steel has many benefits like extreme corrosion resistance, threads can be sensitive to Nylon Lock Nuts. We recommend installing hardware with an Anti-Seize thread lubricant to prevent thread galling. Slowing down speed of install and keeping bolts stationary while tightening nuts are common practices to prevent thread galling.

We also recommend installing hardware with hand tools to prevent over tightening and the use of medium threadlocker where fastening locations utilize rivnuts and/or where no locking nuts or mechanical locking type fasteners are used.

BASE KIT HARDWARE

HARDWARE (A)

QTY	DESCRIPTION
4	YLW ZINC 10.9 STEEL M6X20MM BOLT
4	M6 RIVET NUT

HARDWARE (B)

QTY	DESCRIPTION
6	YLW ZINC 10.9 FLANGE M6X25MM BOLT
6	YLW ZINC 10.0 FLANGE M6 LOCKNUT

HARDWARE (C)

QTY	DESCRIPTION
4	BUTTON CAP M6X16MM BOLT
8	M6X18MM WASHER
4	M6 NYLON LOCK NUT

HARDWARE (D)

QTY	DESCRIPTION
2	M6 NYLON LOCK NUTS
2	5/16 FLAT WASHER

HARDWARE (E)

QTY	DESCRIPTION
16	COUNTERSUNK M6X18MM BOLT

HARDWARE (F)

QTY	DESCRIPTION
16	BLK ANOD ALUM COUNTERSUNK M5X12MM BOLT

HARDWARE (G)

QTY	DESCRIPTION
8	BUTTON CAP M6X25MM BOLT
4	M6X18MM WASHER
4	¼" X 1" FENDER WASHER

HARDWARE (H)

QTY	DESCRIPTION
4	BUTTON CAP M6X18MM BOLT

HARDWARE (I)

QTY	DESCRIPTION
4	BUTTON CAP M6X16MM BOLT
4	M6X12MM WASHER

MISC

QTY	DESCRIPTION
1	MEDIUM THREADLOCK

OPTIONAL COMPONENT HARDWARE

COOLING DUCTS

QTY	DESCRIPTION
8	BUTTON CAP M5X20MM BOLT
8	M5X10MM WASHER
8	M5 NYLON LOCK NUT

CENTER SKID PUCKS

QTY	DESCRIPTION
4	BLK ZINC STAINLESS COUNTERSUNK M6X18MM BOLT

ENDPLATE SKID PUCKS

QTY	DESCRIPTION
4	BUTTON CAP M6X25MM BOLT

REARWARD TRAY

QTY	DESCRIPTION
8	BUTTON CAP M6X18MM BOLT
8	M6X18MM WASHER
3	BUTTON CAP M8X30MM BOLT
3	5/16"ID X 3/4"OD WASHER
3	3/8"ID X 3/8"OD SPACER
3	3/8"ID X 1/2"OD SPACER

TIRE SPATS

QTY	DESCRIPTION
4	T-25 TORX 19MM FENDER LINER SCREW
4	1/4"ID X 1/4"OD SPACER

TOOLS NEEDED
BASE KIT

RIVET NUT TOOL (M6X1MM)	CUTTING LUBRICANT
BUBBLE LEVEL OR ANGLE FINDER	DEBURRING TOOL
RATCHET w/ EXTENSION	DRILL BITS (21/64, 23/64, 3/8, 25/64)
10MM / 16MM SOCKET	T-25 TORX
M10 TRIPLE SQUARE	4MM / 2.5MM HEX WRENCH
DRILL	CUT OFF WHEEL (DREMEL)
TOUCH UP PAINT	10MM WRENCH
ANGLE FINDER	

OPTIONAL COMPONENTS
END PLATES

4MM HEX WRENCH

MEDIUM THREAD LOCK

COOLING DUCTS

2.5MM HEX WRENCH

8MM WRENCH

REARWARD TRAY

5MM HEX WRENCH

MEDIUM THREAD LOCK

TIRE SPATS

T-25 TORX

SKID PUCKS

4MM HEX WRENCH

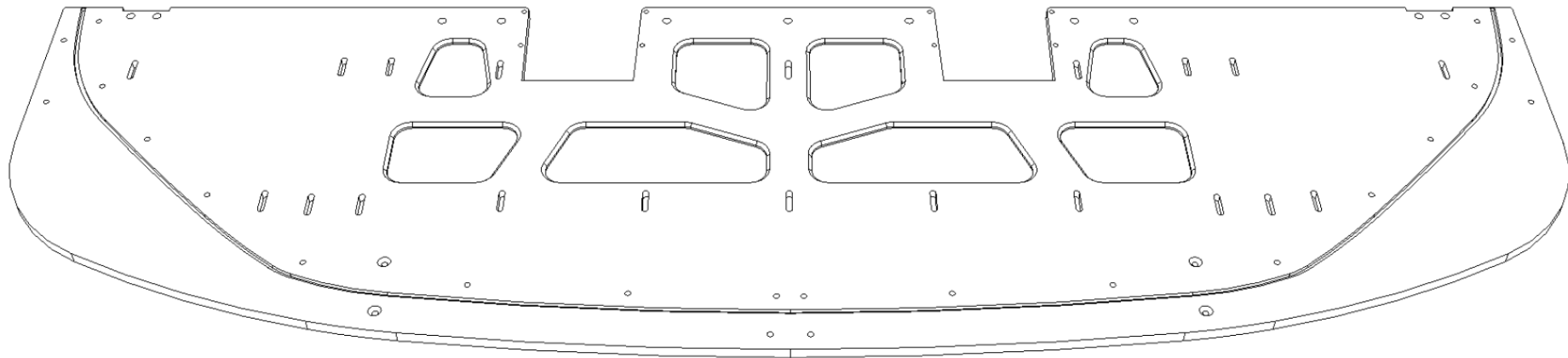
BASE KIT COMPONENTS

QTY	DESCRIPTION
1	SPLITTER BLADE
1	AIR DAM (2 PIECE)
2	MAIN PEDESTALS (1 LEFT / 1 RIGHT)
4	MAIN PEDESTAL FEET (2 LEFT / 2 RIGHT)
2	MAIN PEDESTAL L BRACKETS (1 LEFT / 1 RIGHT)
1	FRONT LATERAL SUPPORT
1	REAR LATERAL SUPPORT
2	WHEEL WELL SUPPORTS (1 LEFT / 1 RIGHT)
2	WHEEL WELL L BRACKET
14	OUTER AIR DAM L BRACKETS
1	CENTER AIR DAM L BRACKET

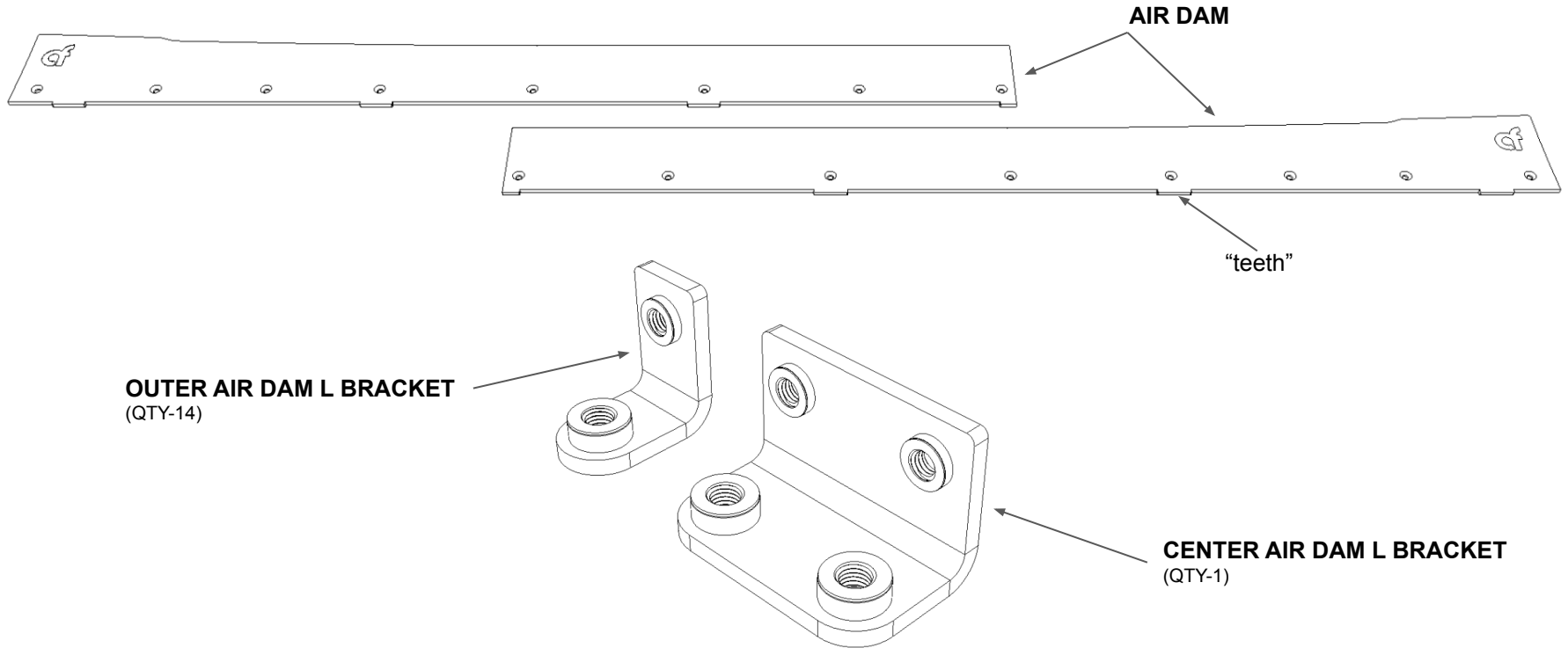
OPTIONAL KIT COMPONENTS

QTY	DESCRIPTION
2	END PLATES (1 LEFT / 1 RIGHT)
2	COOLING DUCTS
1	REARWARD TRAY
2	TIRE SPATS (1 LEFT / 1 RIGHT)
2	CENTER SKID PUCKS
2	OUTER SKID PUCKS

IDENTIFYING BASE KIT COMPONENTS [SPLITTER BLADE]

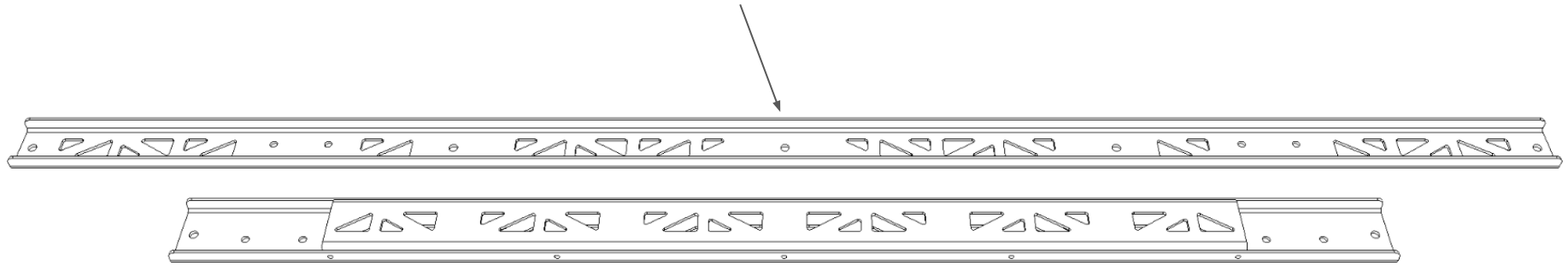


IDENTIFYING BASE KIT COMPONENTS [AIR DAM / AIR DAM L BRACKETS]



IDENTIFYING BASE KIT COMPONENTS [LATERAL SUPPORTS]

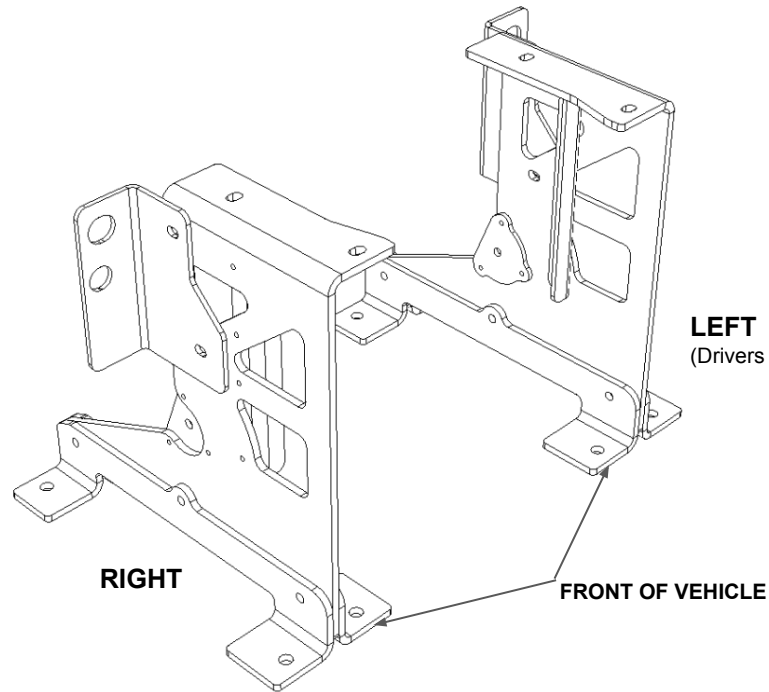
REAR LATERAL SUPPORT



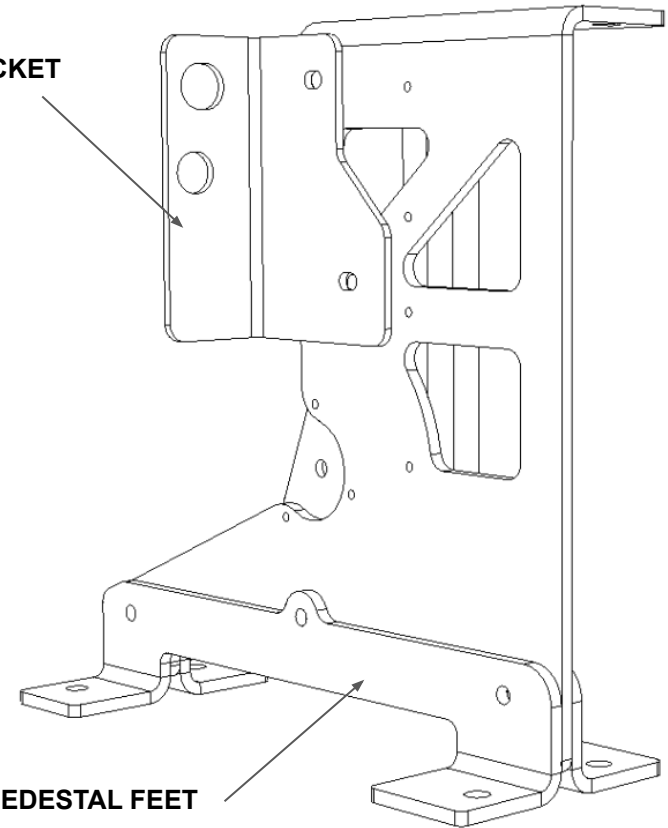
FRONT LATERAL SUPPORT

IDENTIFYING BASE KIT COMPONENTS

[MAIN PEDESTALS]

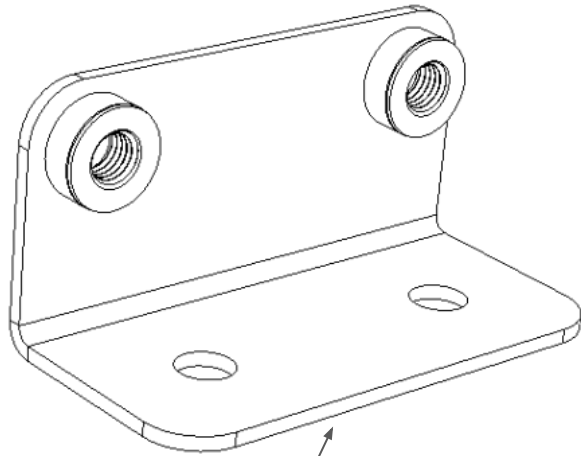


MAIN PEDESTAL L BRACKET



IDENTIFYING BASE KIT COMPONENTS

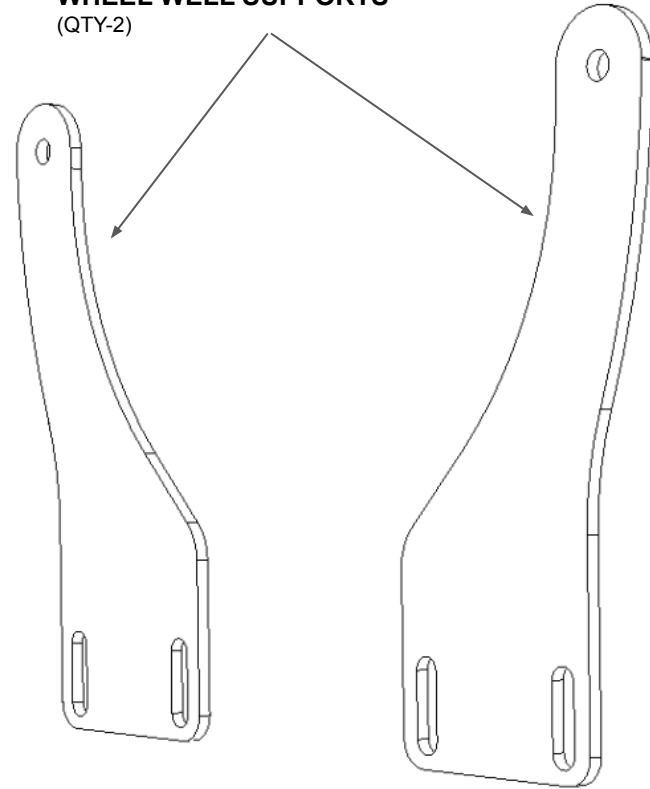
[WHEEL WELL SUPPORTS / WHEEL WELL L BRACKETS]



WHEEL WELL L BRACKET
(QTY-2)

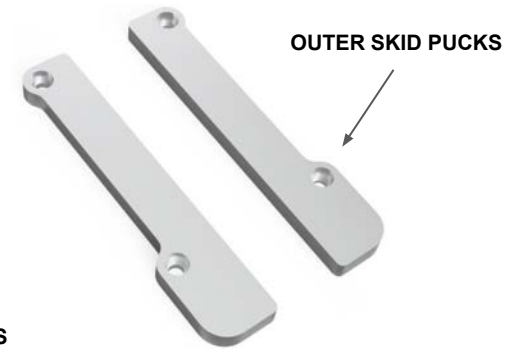
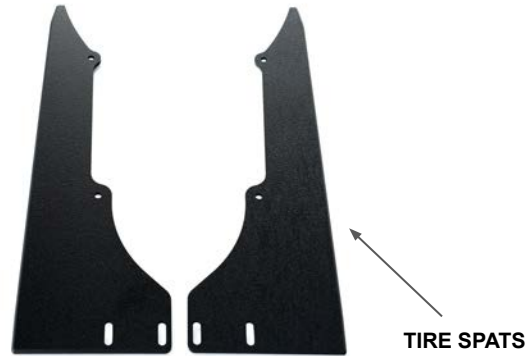
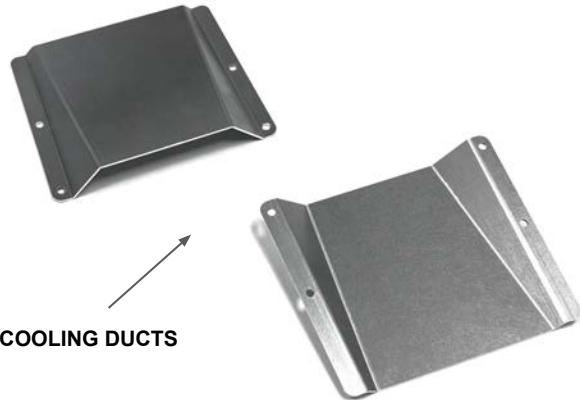
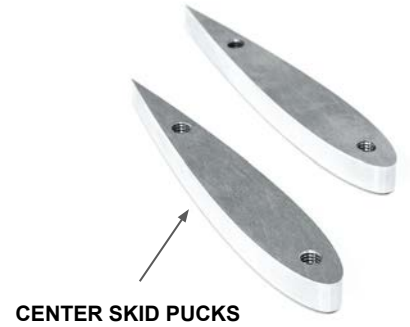
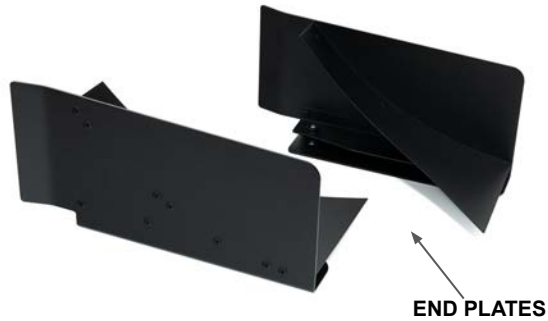
WHEEL WELL SUPPORTS

(QTY-2)



IDENTIFYING OPTIONAL KIT COMPONENTS

[END PLATES / COOLING DUCTS / REARWARD TRAY / TIRE SPATS / SKID PUCKS]

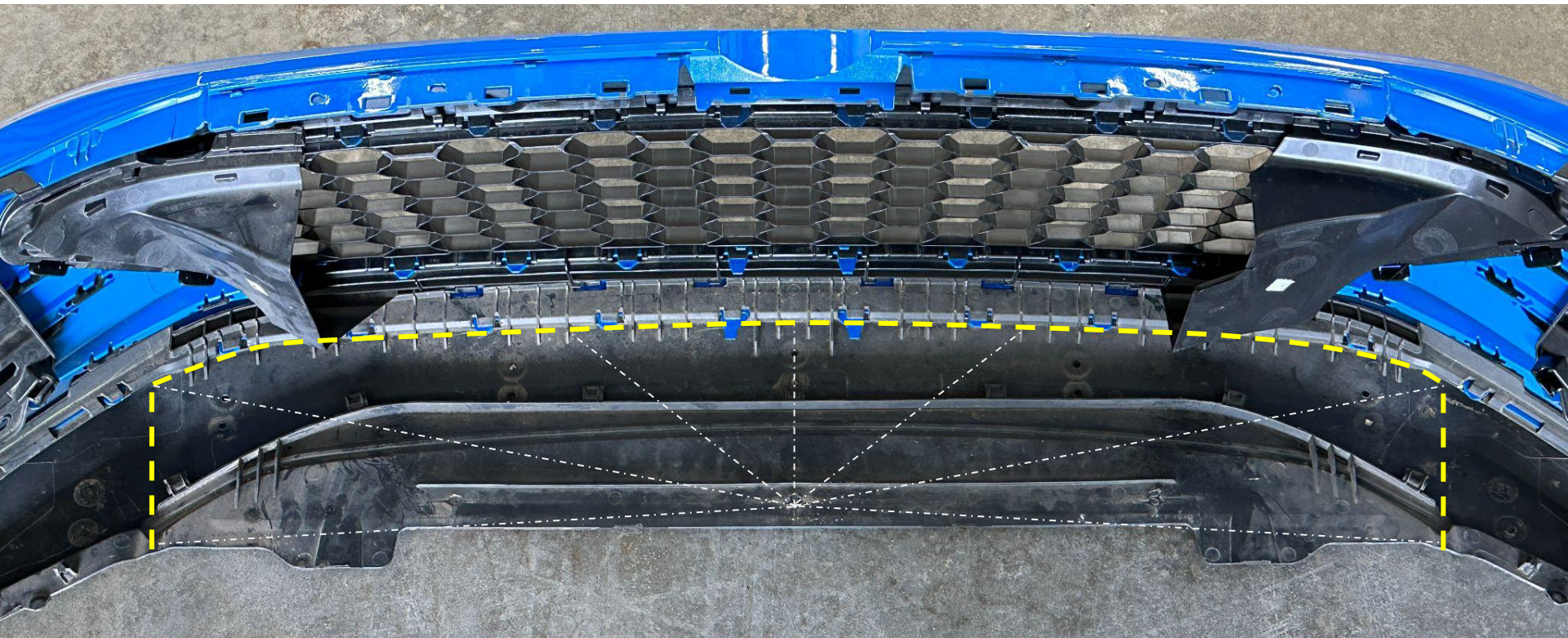


1. Safely raise the vehicle off of the ground.
2. Trim both the left and right wheel well air guides flush with undertray. Trim line shown in yellow on figure to the right.



3. Remove front bumper.

4. Trim and remove the highlighted portion of your lower splash pan. Trim line is shown in yellow below.



5. Ensure your vehicle is on an even surface. Place a **Bubble Level** or **Angle Finder** on top of your crash bar and check for levelness. If the crash bar is not level, slightly loosen the eight 16mm factory crash bar bolts (4 on each side). Tap crash bar in proper direction to make adjustments. Retighten the eight bolts and check level. Repeat this process until proper levelness is achieved.



CRASH BAR BOLT LOCATIONS

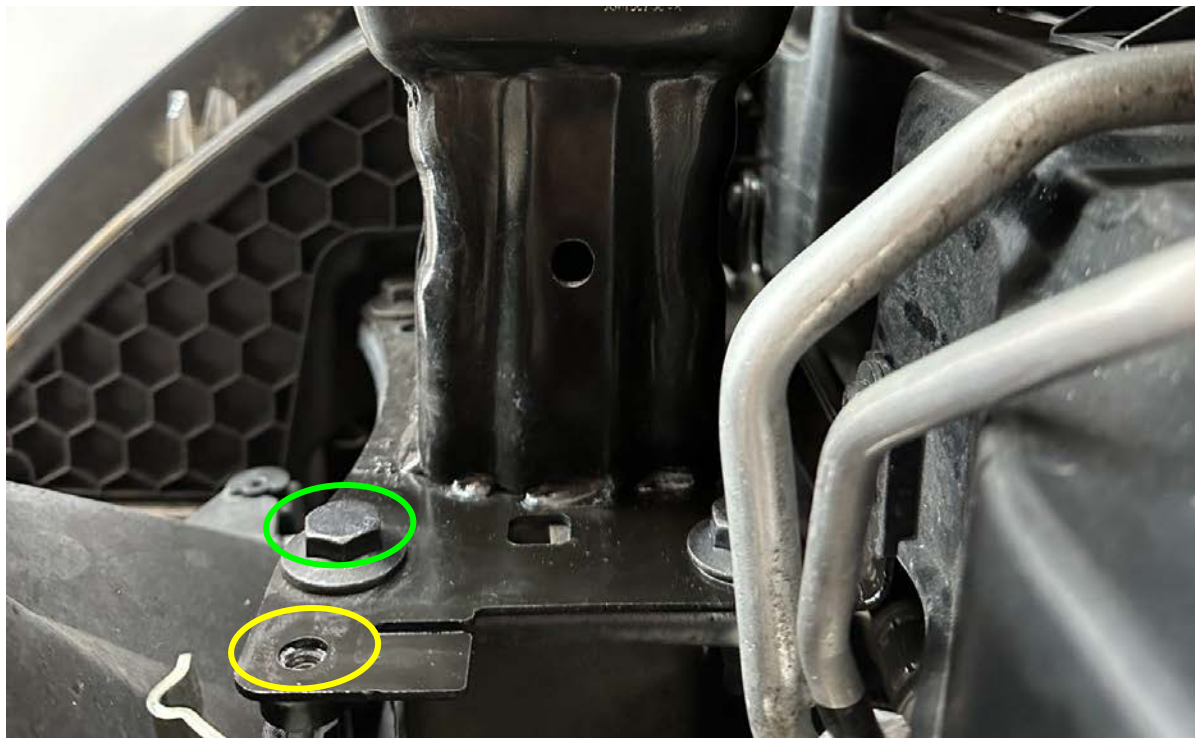
6. Locate the four pre existing holes on the bottom side of your crash bar (two per side). Using a **Drill, 21/64 Drill Bit**, and some **Cutting Lubricant**, enlarge all four holes. Continue this process stepping up in sizes **23/64** to **3/8** to the final size of **25/64**. Clean up holes with a **Deburring Tool** and apply some **Touch Up Paint** to prevent rust.

7. Use a **M6x1mm Rivet Nut Tool** to install the **M6X1mm Rivet Nuts** from **HARDWARE (A)** into the holes you drilled. Put the four bolts aside for use later in Step 13.



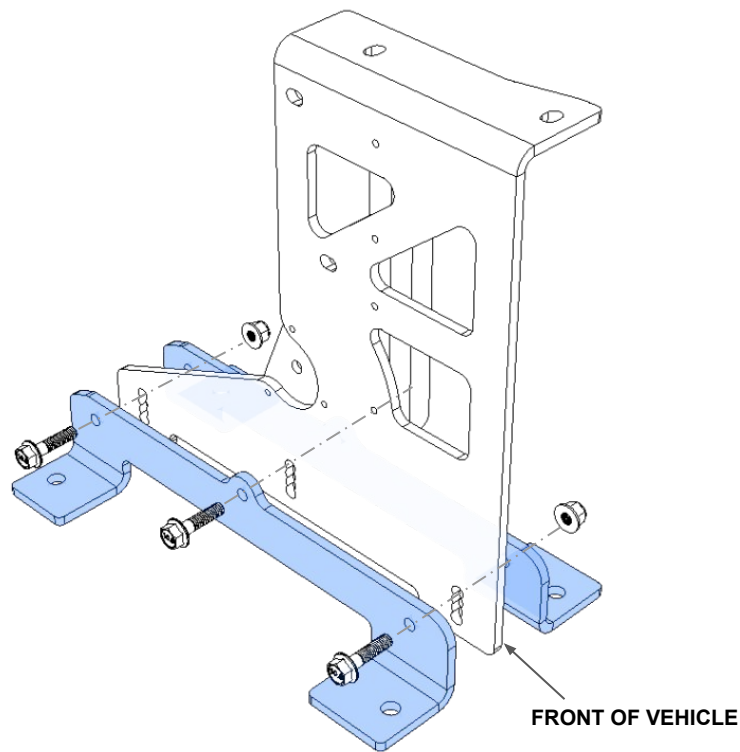
8. Use a **Ratchet** and **16mm Socket** to remove the two bottom outermost crash bar bolts. (one on each side circled in green)

9. Disconnect both horn electrical connectors. Use a **10mm Socket** to remove horns from brackets. Use a **M10 Triple Square** to remove the horn bracket from crash bar. (one on each side circled in yellow)

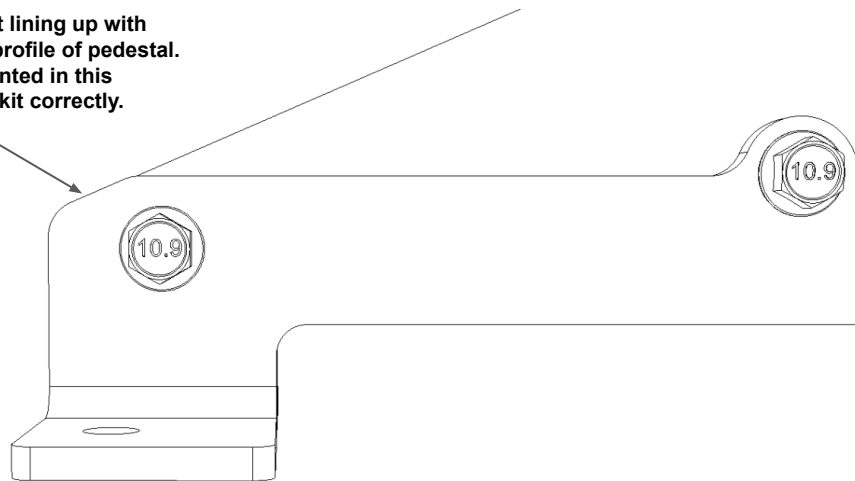


10. To assemble the Pedestal Feet onto your Main Pedestals, install **HARDWARE (B)** and **tighten** using a **Ratchet** and **10mm Socket** as shown below.

NOTE: There is 15mm of height adjustment in increments of 5mm depending on which holes you choose. We recommend starting with the second from bottom holes. If you wish to run at the highest setting, some additional trimming of your front bumper may be necessary to make room for your rear lateral support.



Notice the rear of feet lining up with seamlessly with the profile of pedestal. The feet must be oriented in this manner to install the kit correctly.

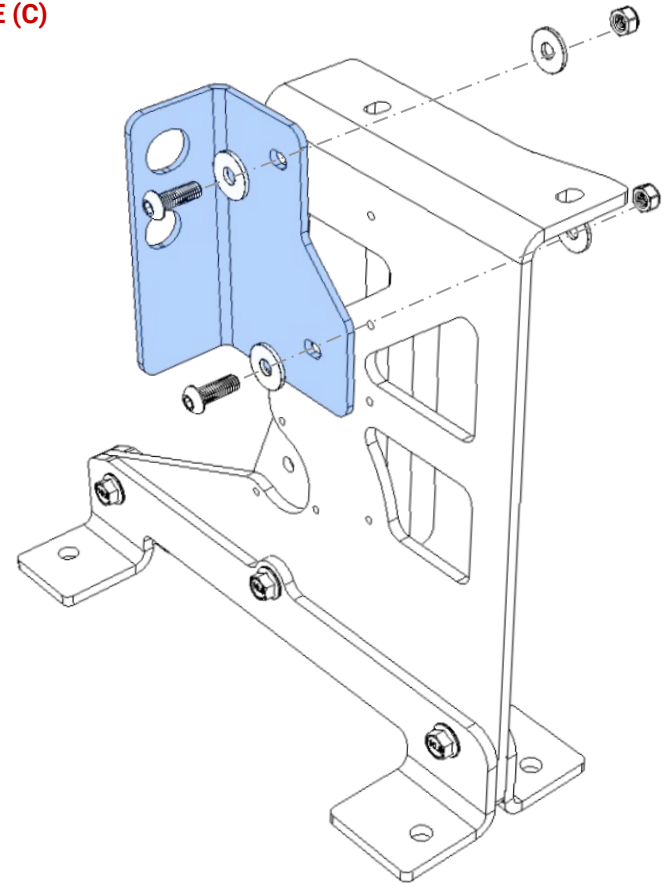
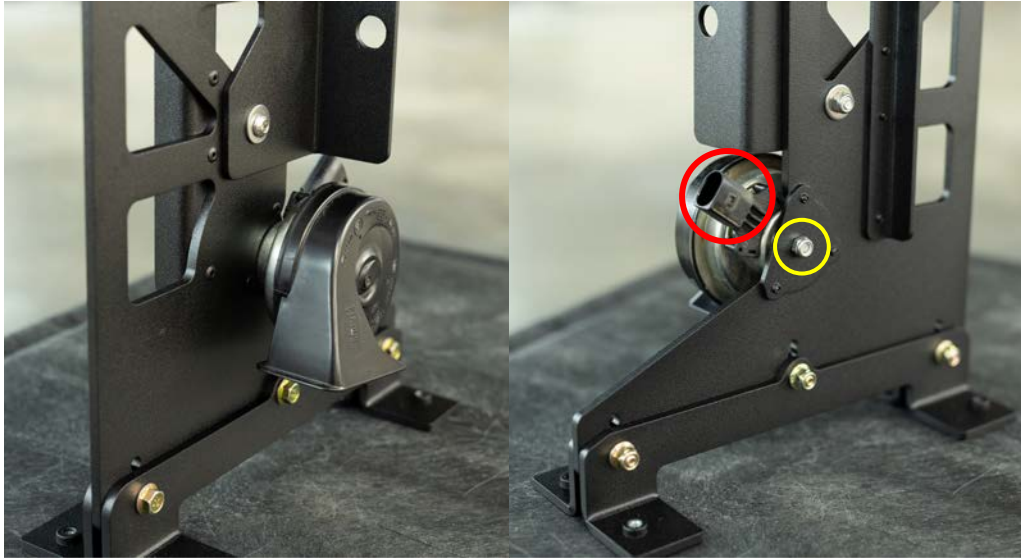


11. To assemble the Pedestal L Brackets onto your main pedestals, **loosely** install **HARDWARE (C)** using a **4mm Hex Wrench, Ratchet, and 10mm Socket** as shown to the right.

NOTE: You will fully tighten in step 15.

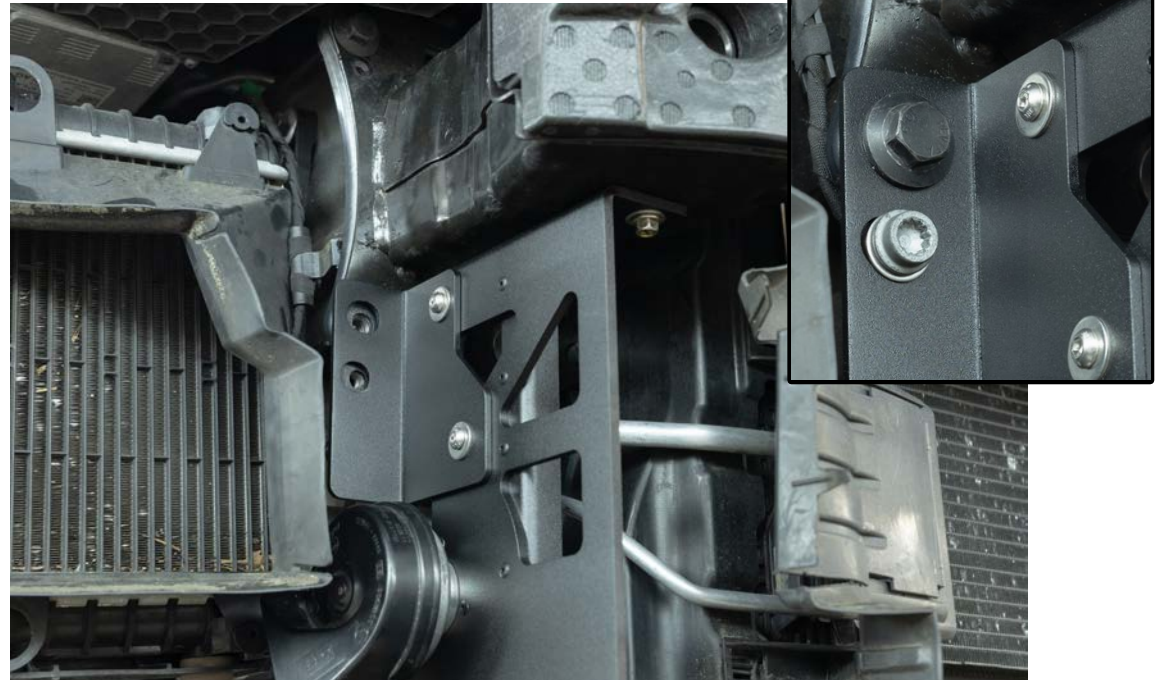
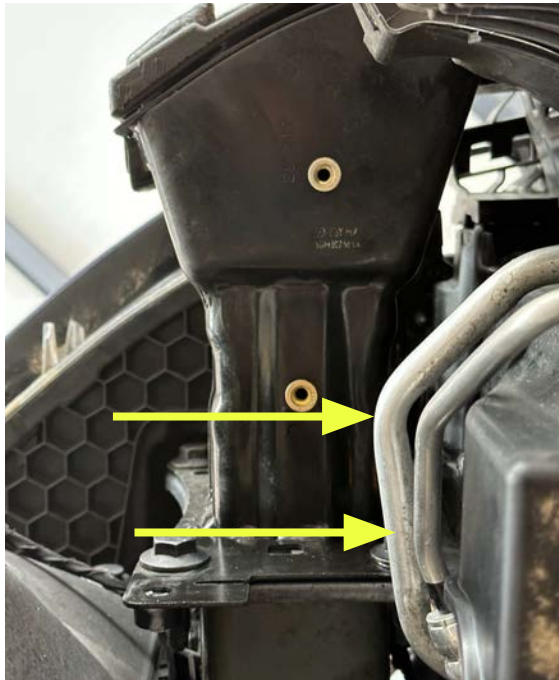
12. **Loosely** install your factory horns onto the Main Pedestals with **HARDWARE (D)** using a **Ratchet and 10mm Socket**.

NOTE: Rotate your horns as shown below so that the connector faces the rear. You will fully tighten in step 13.

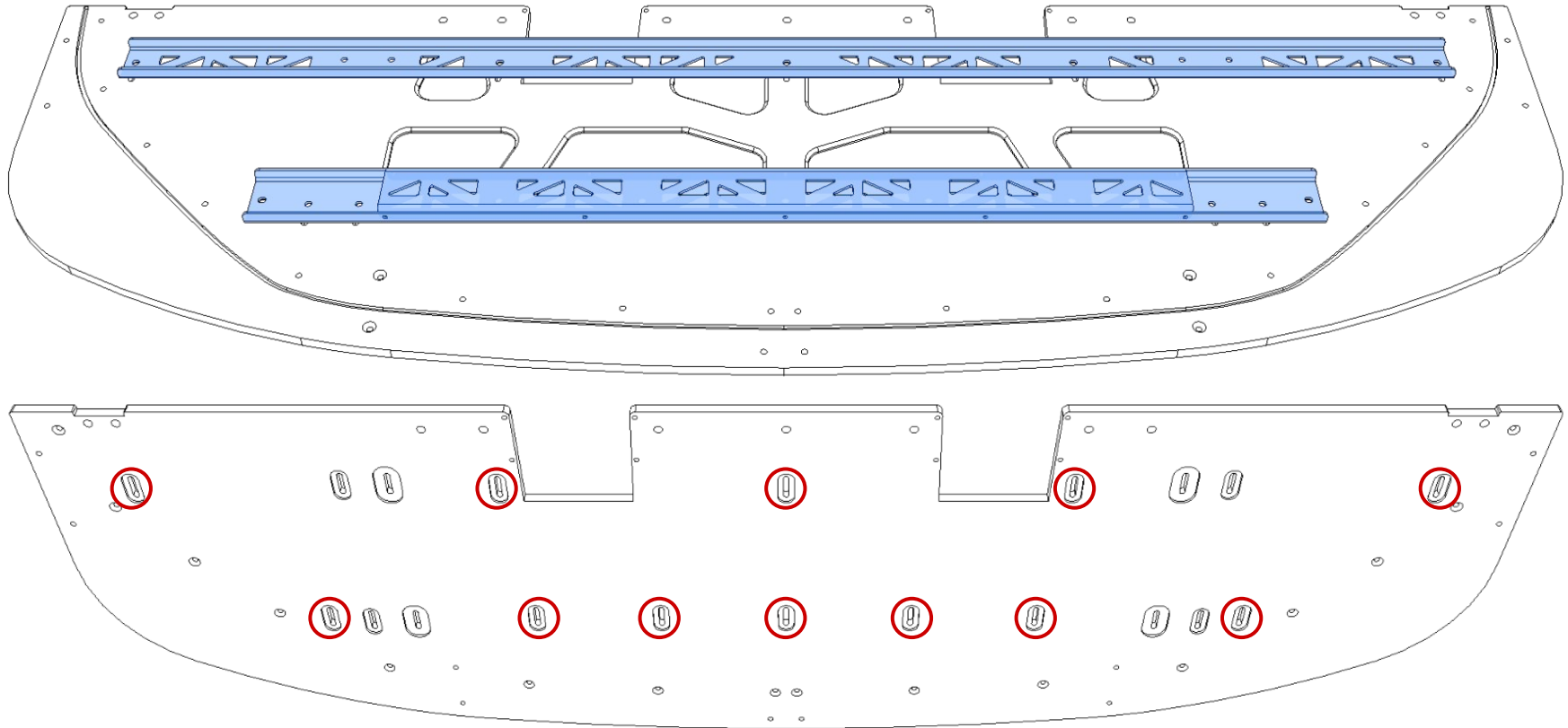


13. Using a **Ratchet w/ Extension, 10mm Socket, and Medium Threadlock**, use the leftover bolts from **HARDWARE (A)** to **loosely** install your Main Pedestals into the rivet nuts on the bottom side of your crash bar. **Loosely** reinstall your two factory bottom outermost crash bar bolts. Use the two remaining 5/16 washers from **HARDWARE (D)** to **loosely** reinstall your two factory triple square horn bracket bolts. Reconnect your horns (rotate if necessary) and **tighten** the M6 Locknuts with a **10mm Wrench**.

NOTE: The AC Lines on the passenger side (U.S. Spec) may need slight massaging towards the center of vehicle in order to install Main Pedestal. BE VERY CAREFUL NOT TO KINK OR DAMAGE LINES AS THEY ARE FRAGILE AND MADE FROM ALUMINUM. Test fit prior to moving AC Lines. See yellow arrows for reference.



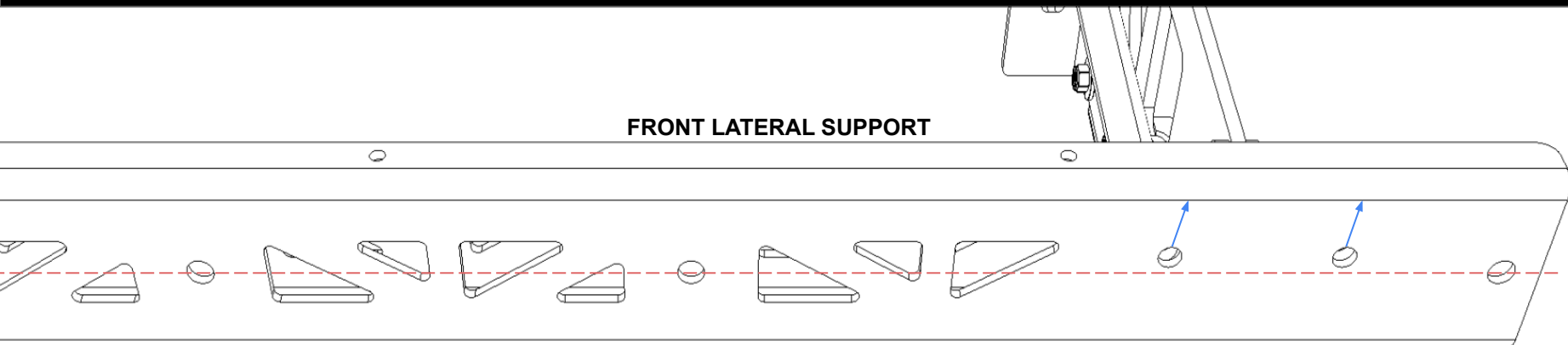
14. Use a **4mm Hex Wrench** to remove the twelve bolts and twelve washers from both the Front and Rear Lateral Supports. Set hardware aside.



15. The goal here is to “square” your bracketry. Use a **4mm Hex Wrench** to install eight of the bolts from step 14 through lateral supports, into your main pedestals, and **tighten**. With both lateral supports installed and brackets squared, **tighten** all main pedestal hardware connecting to crash bar. Remove lateral supports and set aside.

NOTE: Slight rotation of pedestals may be needed in order get all brackets in line. Lateral Supports are directional (see diagram ON NEXT PAGE to identify and understand).

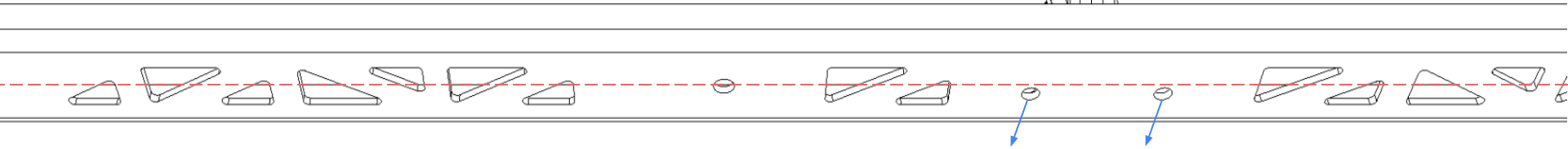


FRONT LATERAL SUPPORT


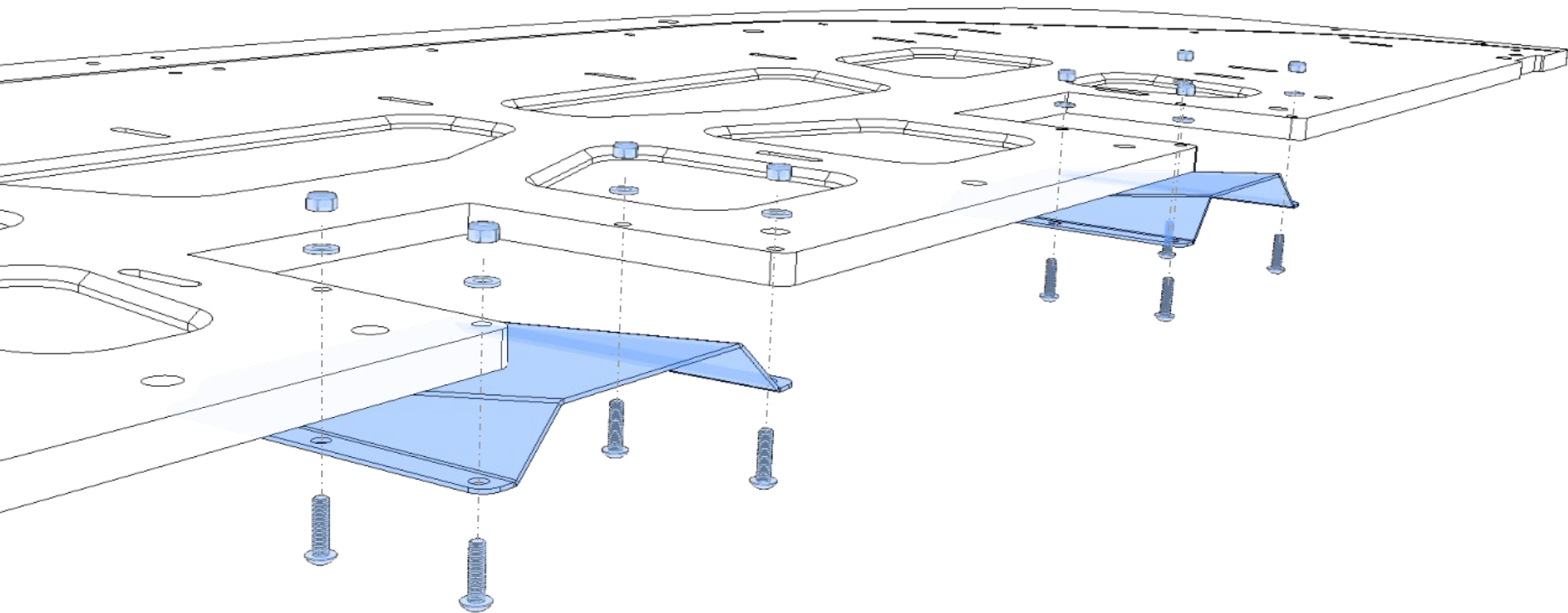
--- CENTERLINE

Note how the Main Pedestal mounting points on both Lateral Supports are offset from the centerline.

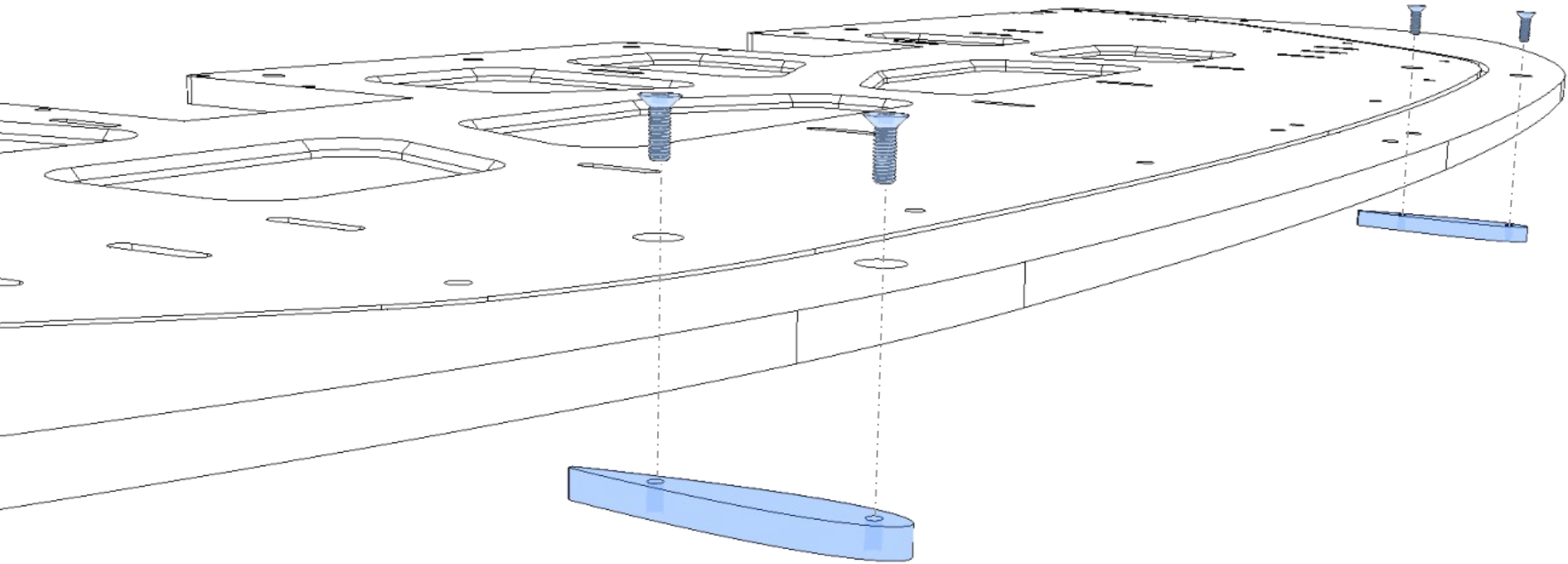
The Front Lateral Support has the holes closer to the front of the vehicle where the Rear Lateral Support has the holes closer to the rear.

REAR LATERAL SUPPORT


16. If you purchased the optional Cooling Ducts, you will install them at this time.
 Use a **3mm Hex Wrench** and **8mm Wrench** to install your cooling ducts. **Tighten** hardware.

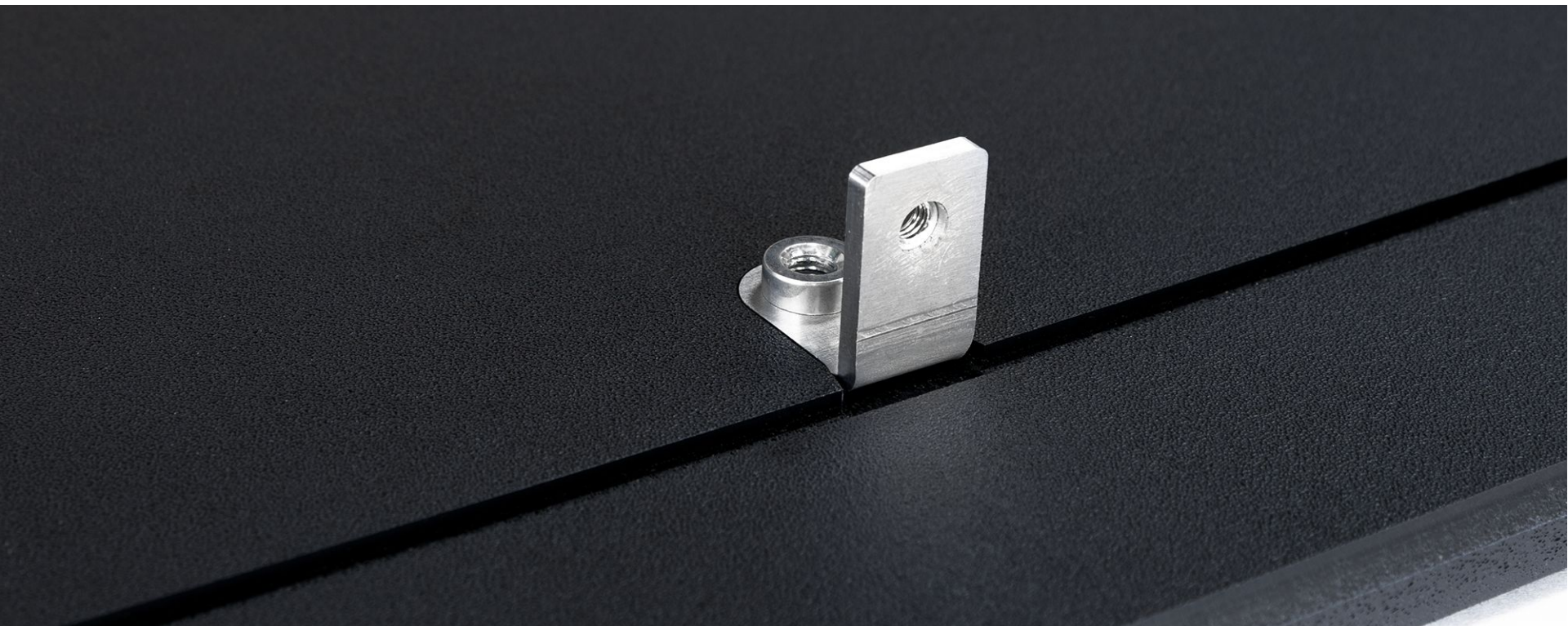


17. If you purchased the optional Center Skid Pucks, you will install them at this time. Use a **4mm Hex Wrench** and **Medium Threadlock** to install your Center Skid Pucks. **Tighten** hardware.



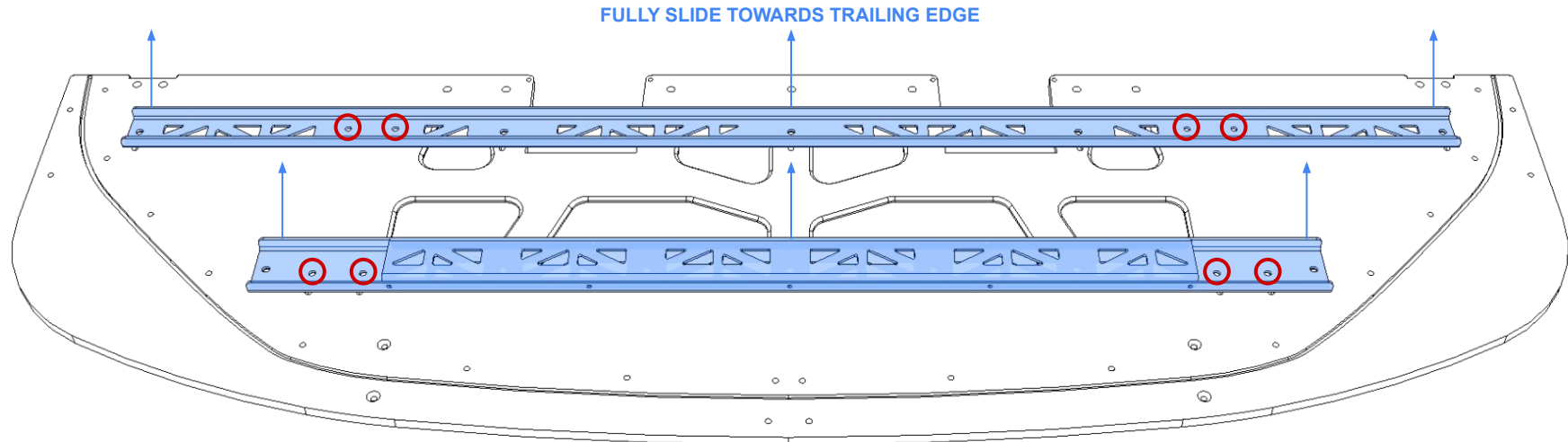
18. Use a **4mm Hex Wrench, Medium Threadlock**, and **HARDWARE (E)** to install your Outer and Center Air Dam L Brackets. **Tighten** hardware.

NOTE: Fully tighten hardware at this time.



19. Using a **4mm Hex Wrench** and **Medium Threadlock**, **loosely** reinstall both the Front and Rear Lateral Supports back onto your Splitter Blade with the twelve bolts and twelve washers that you set aside during step 14. Slide both supports all the way towards the trailing edge (rear) of Splitter Blade.

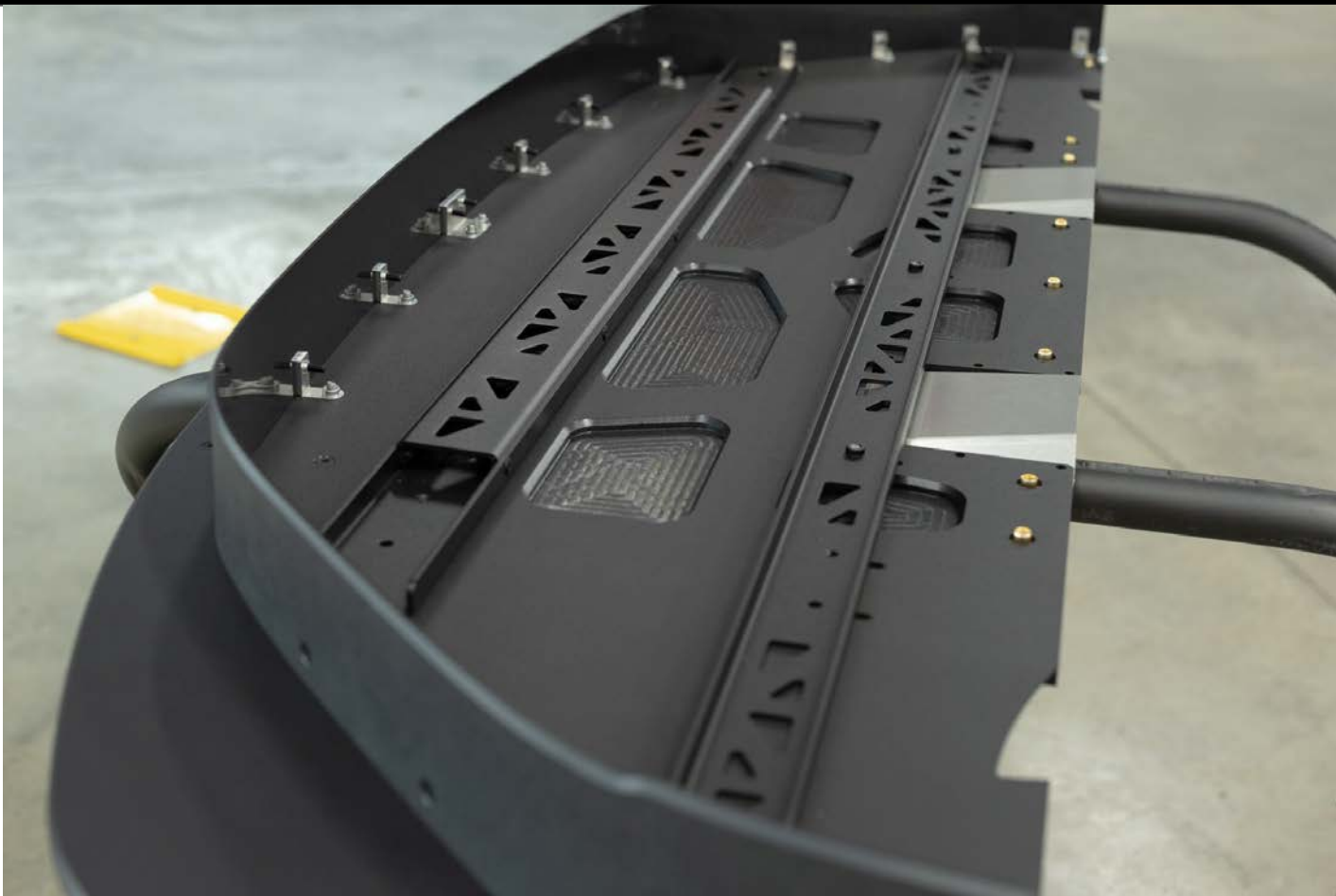
NOTE: *REMEMBER - LATERAL SUPPORTS ARE DIRECTIONAL* Use the same approach as step 15 (pages 23-24) to ensure that the Main Pedestal mounting holes (circled in red) are on the appropriate side off the centerline of supports. Hardware should be loosely installed with just enough tension to allow for lateral supports to slide freely.



20. Starting with either side, line up the the hole of Center Air Dam L Bracket with the Air Dam as show. Be sure to fit the teeth within the channel on Splitter Blade. Using a **2.5mm Hex Wrench** and **Medium Threadlock**, **loosely** install **HARDWARE (F)** through Air Dam and into the Air Dam L Brackets. Repeat process on opposite side. See next page for visual reference of Air Dam fully installed.

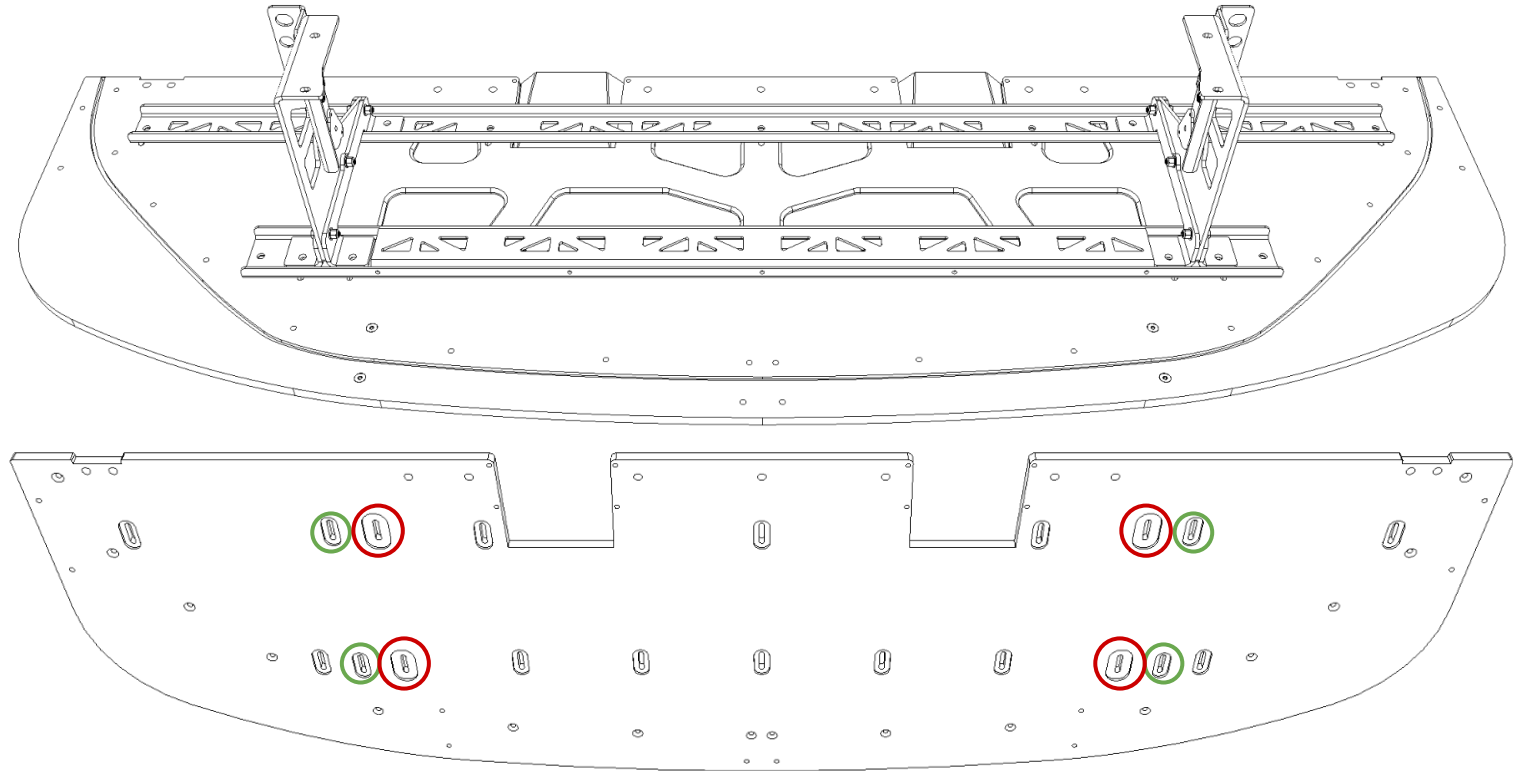
*NOTE: **DO NOT FORCE BOLTS AT ANGLE OR IF YOU FEEL APPARENT TENSION. BOLTS ARE ALUMINUM AND CAN STRIP IF YOU USE EXCESSIVE FORCE.** Take your time and start all bolts by hand working your way from center to outside. You will need to press the Air Dam into place one section at a time. Once all bolts are threaded and Air Dam is properly seated in the channel, fully tighten starting from the center and working your way outward. Continue to page 30 to view a visual representation of the Air Dam fully installed.*





21. Raise your Splitter Blade up to the vehicle lining up the eight unused holes on Lateral Supports to your Main Pedestal Feet. Using a **4mm Hex Wrench** and Medium Thread Lock, **loosely** install **HARDWARE (G)** through Splitter Blade, Lateral Supports, and into your Main Pedestal Feet.

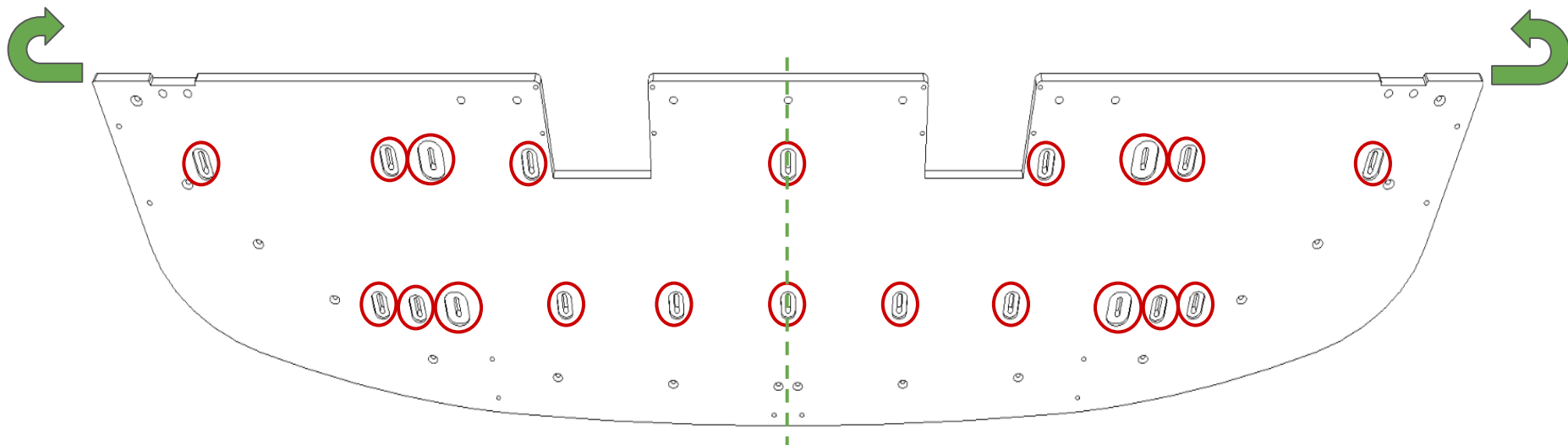
NOTE: 1" FENDER WASHERS ARE USED FOR LARGER INSIDE POCKETS (RED) / 18MM WASHERS ARE USED FOR SMALLER INSIDE POCKETS (GREEN). If needed, you can partially thread one bolt on each side and let the blade rest before installing the remaining six. Continue to next page for a visual representation of this step.



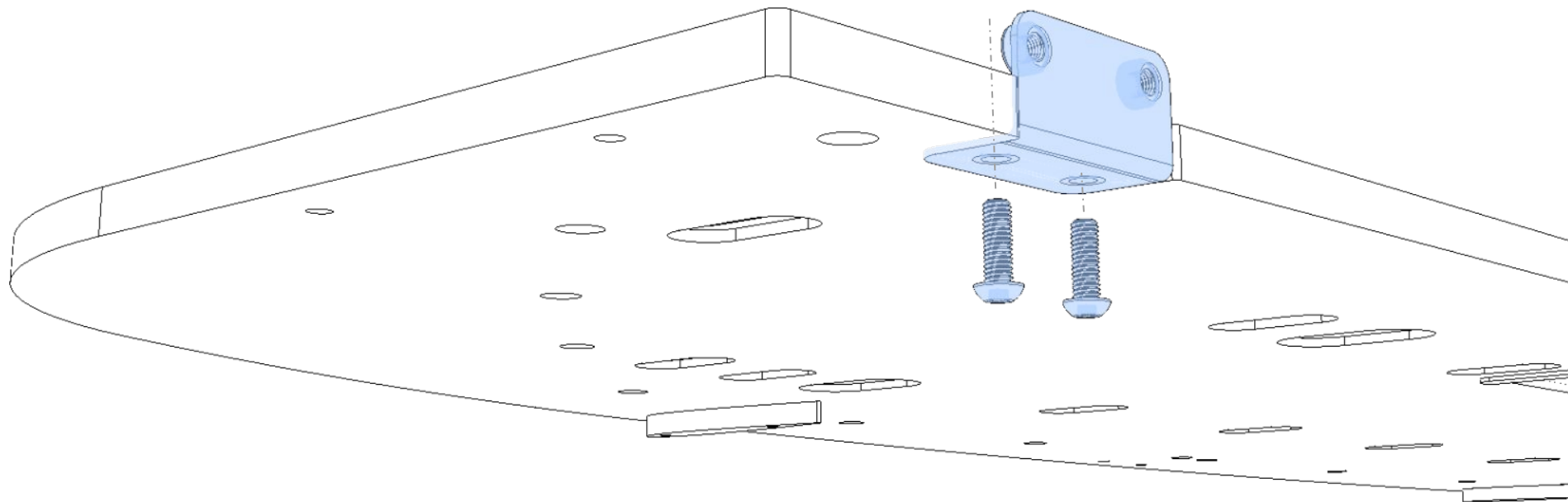


22. This bracket system allows for the Splitter Blade to slide forward and backwards in order to achieve the tightest possible fit between the Air Dam and your Front Bumper. Slide your Splitter Blade towards the rear of the vehicle closing the gap between your Air Dam and Front Bumper. Using a **4mm Hex Wrench, fully tighten** all twenty fasteners circled in **(RED)**.

NOTE: It may be necessary to rotate the splitter blade (pivot at the center line) in order to line up your Air Dam evenly with the edges of your Front Bumper closest to wheels. There is enough tolerance within the slots to allow for this adjustment (see illustration notes in green).

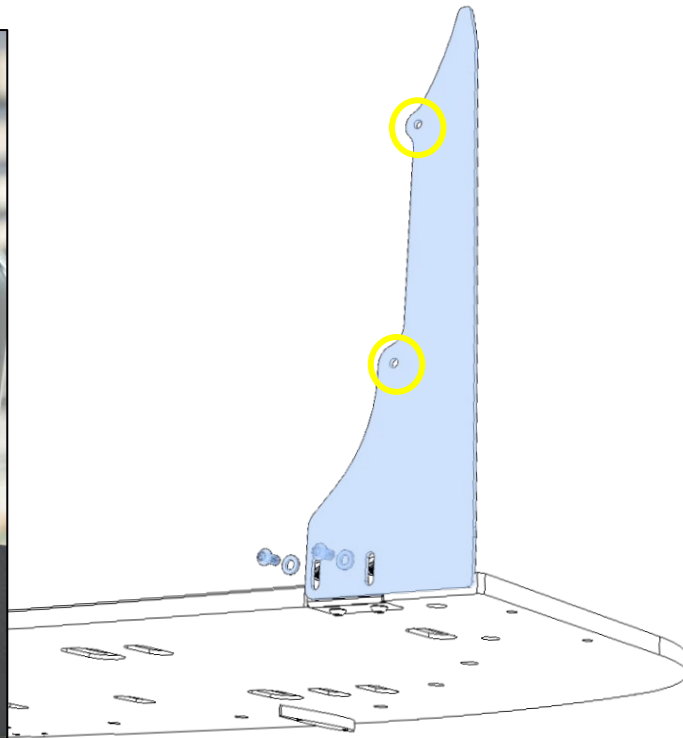
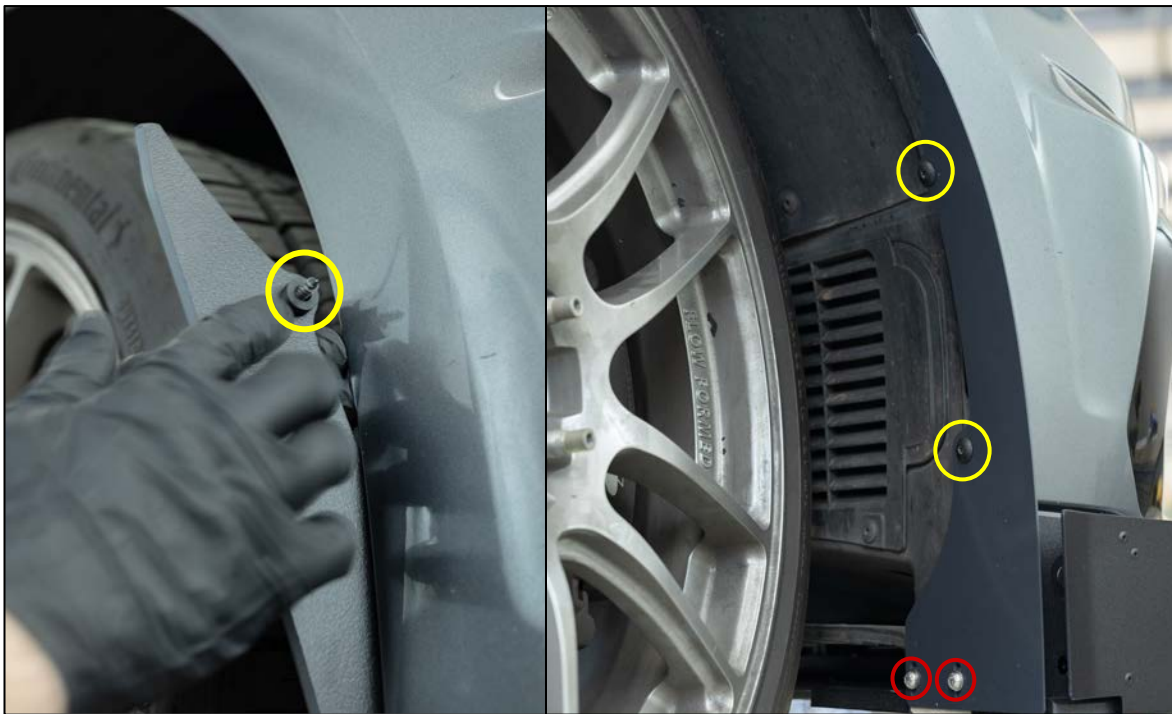


23. Install your **Wheel Well L Bracket** with **HARDWARE (H)** using a **4mm Hex Wrench** and **Medium Threadlock**. **Fully tighten.**



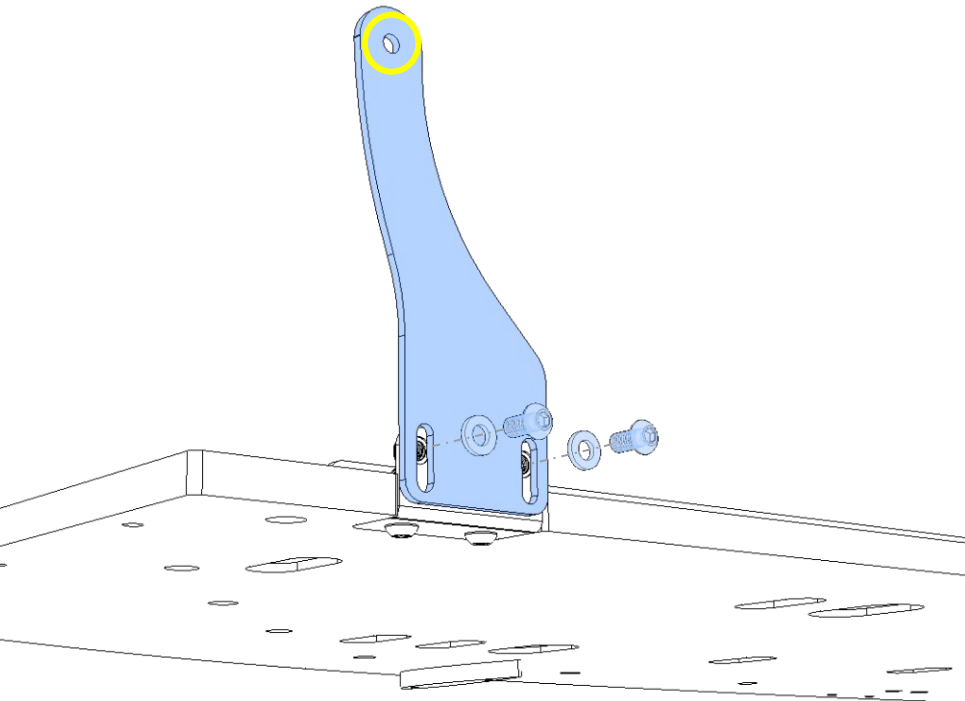
24. If you purchased the optional **Tire Spats**, you will install them at this time. Use a **T-25 Torx** to remove the four factory T-25 Torx fender liner screws (two on each side). Use a **4mm Hex Wrench** and **Medium Threadlock** to **loosely** install **HARDWARE (I)** as shown. Using a **T-25 Torx**, **loosely** install the four Tire Spat T-25X19mm screws and Spacers (two on each side) as shown. **Fully tighten** all Tire Spat Hardware.

NOTE: You will be applying slight pressure to bend your tire spats so that they take shape of your wheel arch. HARDWARE (I) must be loosely installed in order to line up the remaining T-25X19mm Fender Liner Screws. The slots are present for height adjustability at your Main Pedestal feet.



25. If you did not purchase the optional spats, you will install the **Wheel Well Supports** at this time. Starting with either the left or right side, Use a **T-25 Torx** to remove the lower factory T-25 Torx fender liner screw (one on each side). Align the top single hole of your Wheel Well Support with the lower fender liner hole and reinstall the factory T-25 screw. Install **HARDWARE (I)** using a **4mm Hex Wrench** and **Medium Threadlock**. **Fully tighten all hardware.**

NOTE: The slots are present on the Wheel Well Supports for height adjustability at your Main Pedestal feet.



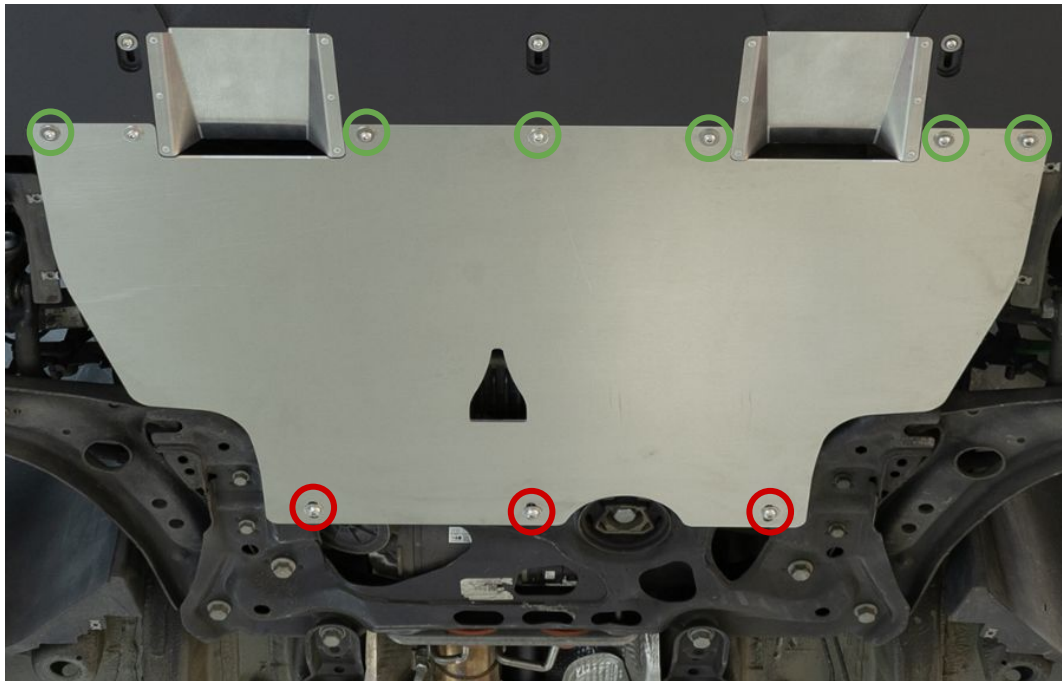
26. If you purchased the optional Splitter **End Plates**, you will install them at this time. Slide the opening of the End Plates over the recessed pockets on the bottom side of Splitter Blade. Using a **4mm Hex Wrench** and **Medium Threadlock**, install the the M6X25mm Bolts and **tighten**.

NOTE: The End Plates will lock into place when properly seated inside pocket.



27. If you purchased the optional **Rearward Tray**, you will install it at this time. Use a **4mm Hex Wrench** and Medium Threadlock to install the eight M6X18mm Bolts and 18mm washers (circled in green) and **tighten**. Use a **5mm Hex Wrench** and **Medium Threadlock** to install the three M8X30MM Bolts and 3/4" washers (circled in red) with appropriate spacers (check note). **Fully Tighten**.

NOTE: If you are running the splitter at its highest setting, you will not use spacers. Lowest setting requires a 1/2" spacer. Second from lowest requires a 1/2" spacer. Third from lowest requires a 3/8" spacer. Highest setting requires no spacer. Be sure to check the surface transition from underside of blade to rearward tray for levelness. Different spacers at different heights may be needed depending on rake. Overall unit AoA (angle of attack) should be roughly 1.5deg. If your AoA reads much higher north of 2deg, we recommend adjusting your suspension in order to reduce forward rake or possibly shimming your rearward pedestal feet mounting points. Between the five MQB Golfs that we have test fit this system on, they were all within .5deg from one another.



28. CHECK ALL HARDWARE FOR TIGHTNESS TO COMPLETE INSTALLATION.

