

2024/FORD F-150 RAPTOR

ADAPTIVE CRUISE CONTROL RELOCATION KIT

AC1305101NA



TOOLS REQUIRED

- (Box end wrenches) 3/8, 9/16, 3/4, 7/8
- (Sockets) 5/16, 3/8, 7/16, 1/2, 9/16, 7/8
- (Allen wrenches) 8mm, 5mm

- Fastener remover or flathead screwdriver
- Adjustable wrench
- Needle nose pliers
- Trim removal tool
- Razor blade
- Zip ties
- Ratchet



SKILL LEVEL

-Easy/Intermediate

****This installation requires 2 people for best results****



TIME REQUIRED

- 2 hours for OEM Removal/Bumper Install



INCLUDED IN KIT

- 10- 1/4-20 X 3/4 Button Head Bolt
- 1- 1/4-20 X 3/4 Carriage Bolt
- 11- 1/4-20 Nylon Lock Nut
- 12- 1/4 Flat Washers
- 2- 3/8-16 X 3/4 Button Head Bolt
- 2- 3/8 Flat Washer
- 2- 3/8-16 Nylon Lock Nut

⚠️ WARNINGS/CAUTIONS BEFORE STARTING INSTALLATION ⚠️

-BEFORE YOU INSTALL THIS KIT-

Read and understand all instructions, warnings, cautions, & notes contained in this installation instruction guide. Consult your vehicle owner's manual for proper disconnection of electrical and lifting of vehicle if required for installation of this product.

This install may require some technical skills and knowledge of basic mechanical work. If you do not feel that you are capable of performing this install please take this product to a trained professional.

After reading this guide please contact us with any questions or concerns before installing product.
Customer Service (480) 671-0820

Addictive desert designs is *not* responsible for any bodily injury or harm to you or your vehicle as a result of an improper install.

Proper installation of this kit required knowledge of the factory recommended procedures for removal and installation of original equipment components.

We recommend that the factory shop manual and any special tools needed to service your vehicle be on hand during the installation. Installation of this kit without proper knowledge of the factory recommended procedures may affect the performance of these components and the safety of the vehicle.

Inspect all contents of this package to make sure product is not damaged and all installation hardware has been included. If parts are missing from kit, please be prepared to provide the following information:

1. Name of purchase location
2. Bar Code on side of box
3. Date above bar code
4. Date inside box cover

ALWAYS WEAR EYE PROTECTION WHEN OPERATING POWER TOOLS

ADAPTIVE CRUISE CONTROL RELOCATION KIT
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REMOVAL

STEP 1

Remove the 6x bolts to release the OEM skid plate using a (13mm socket).



ADAPTIVE CRUISE CONTROL RELOCATION KIT
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REMOVAL

STEP 2

Remove the skid plate spacer.

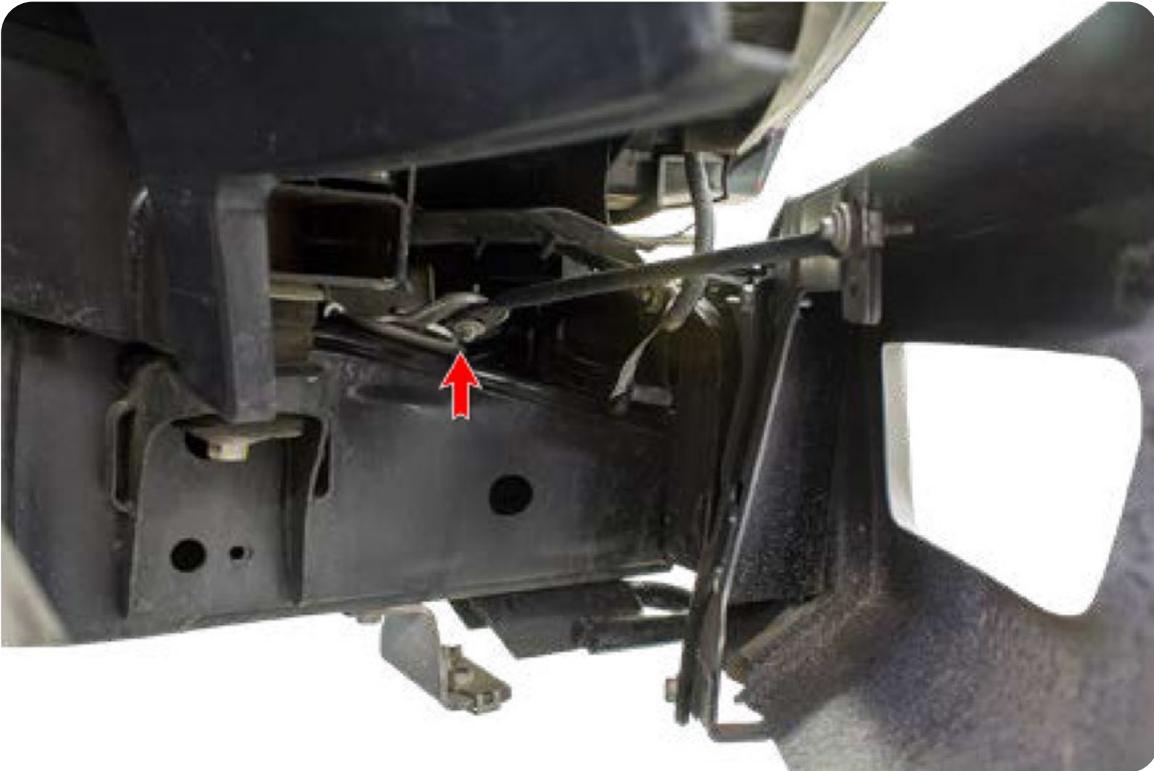


ADAPTIVE CRUISE CONTROL RELOCATION KIT 2024/FORD F-150 RAPTOR

REMOVAL

□ STEP 3

Remove the support brackets holding the bumper to the frame horns using a (8mm socket). (Repeat on other side)

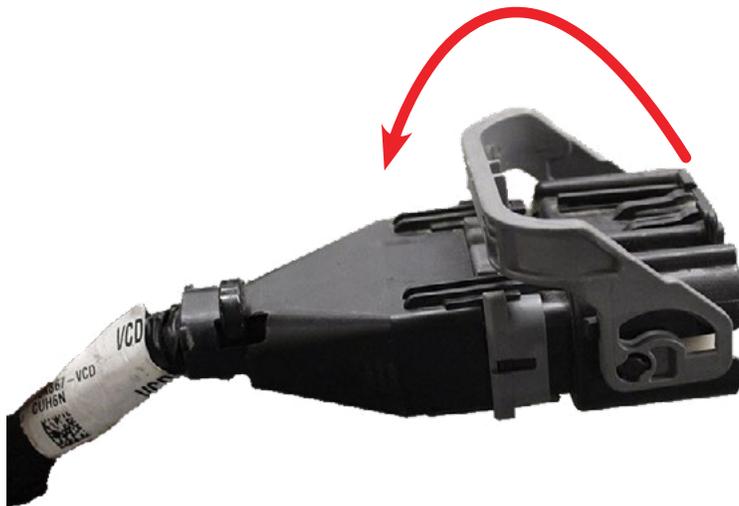
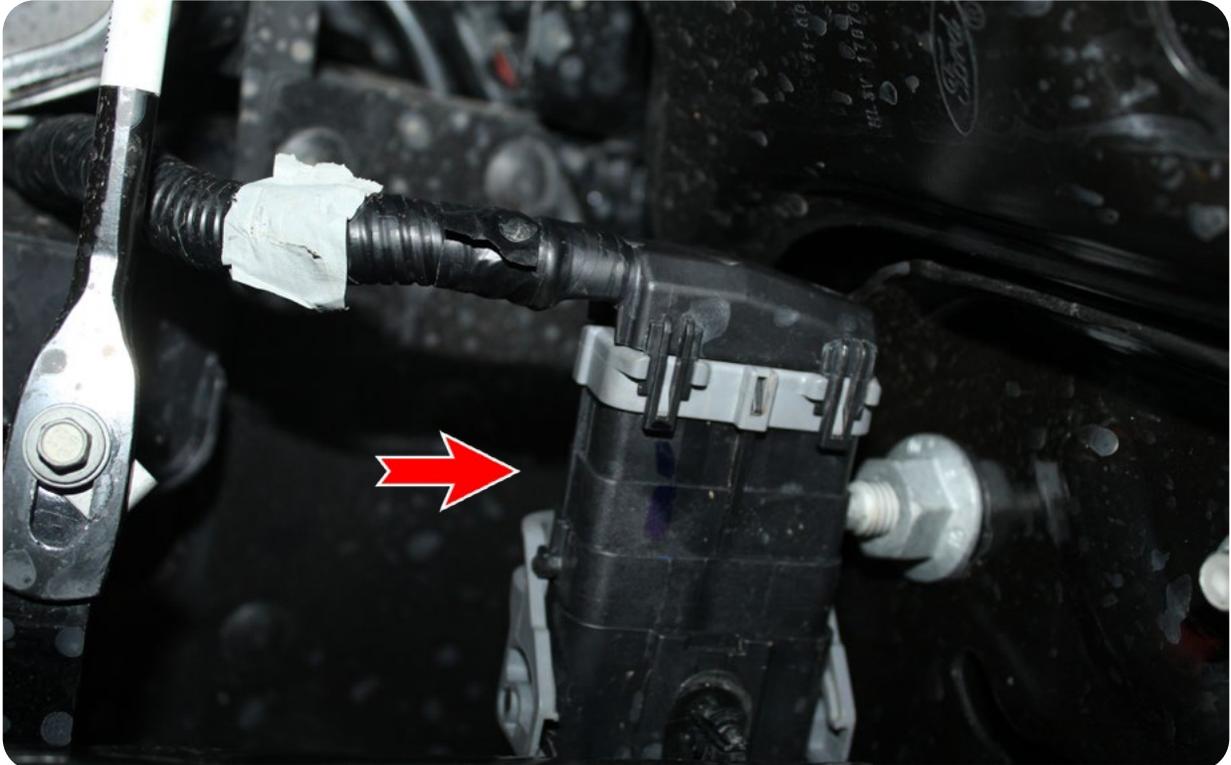


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REMOVAL

□ STEP 4

Unplug the main wiring harness plug in located on the passenger side by pulling the gray tab back as shown below.

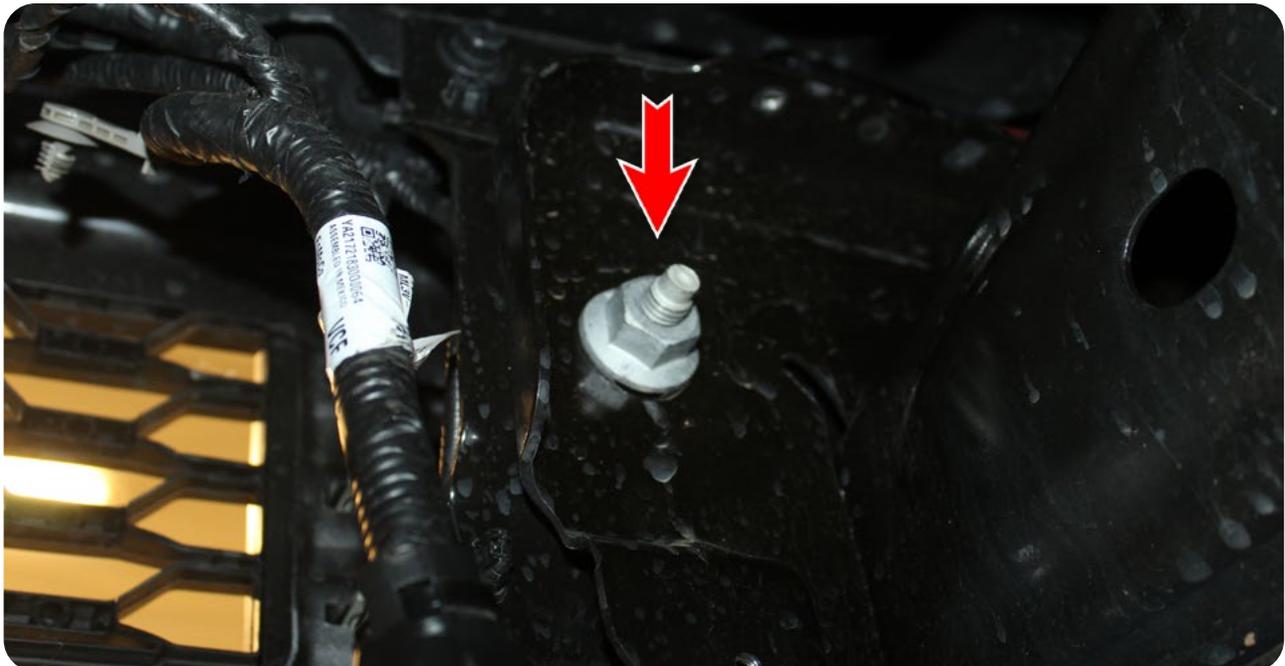
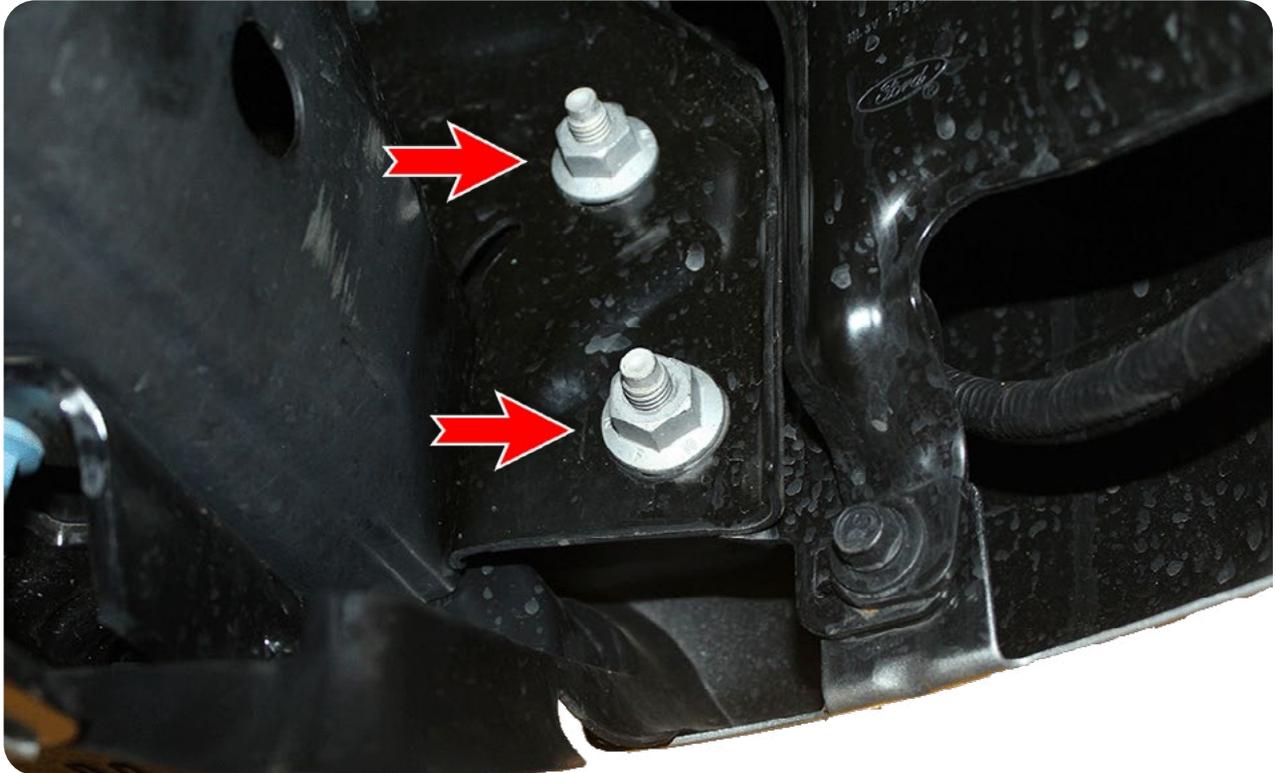


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REMOVAL

□ STEP 5

Remove the mounting bolts located on the frame horn using a (21mm Socket). (Repeat on other side)

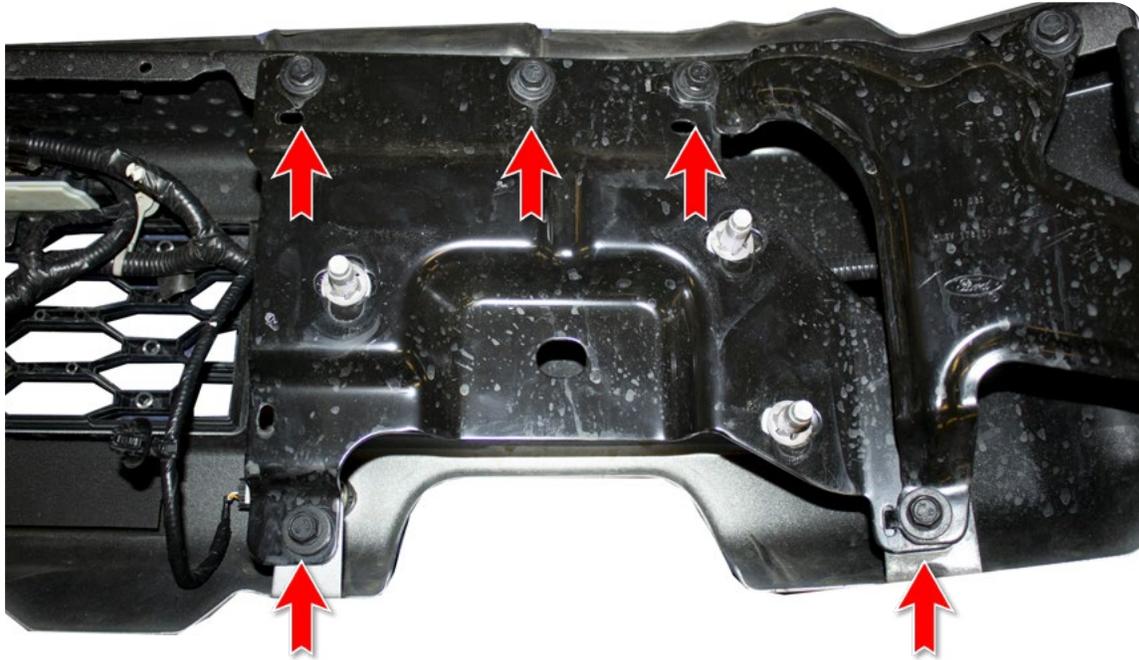


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REMOVAL

□ STEP 6

Using a (10mm socket), remove the covers to expose the wire harness.

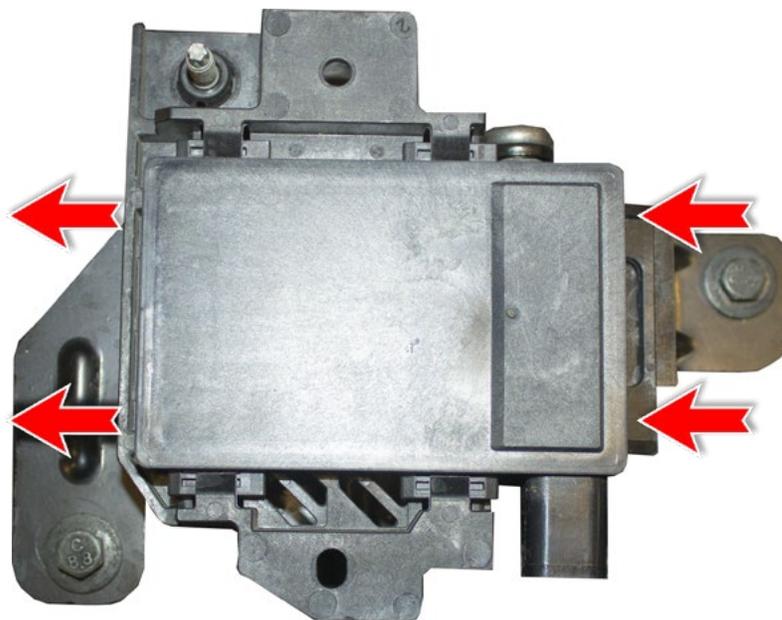


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REMOVAL

□ STEP 7

Remove the pin from the adaptive cruise control bracket and slide the module down to remove.

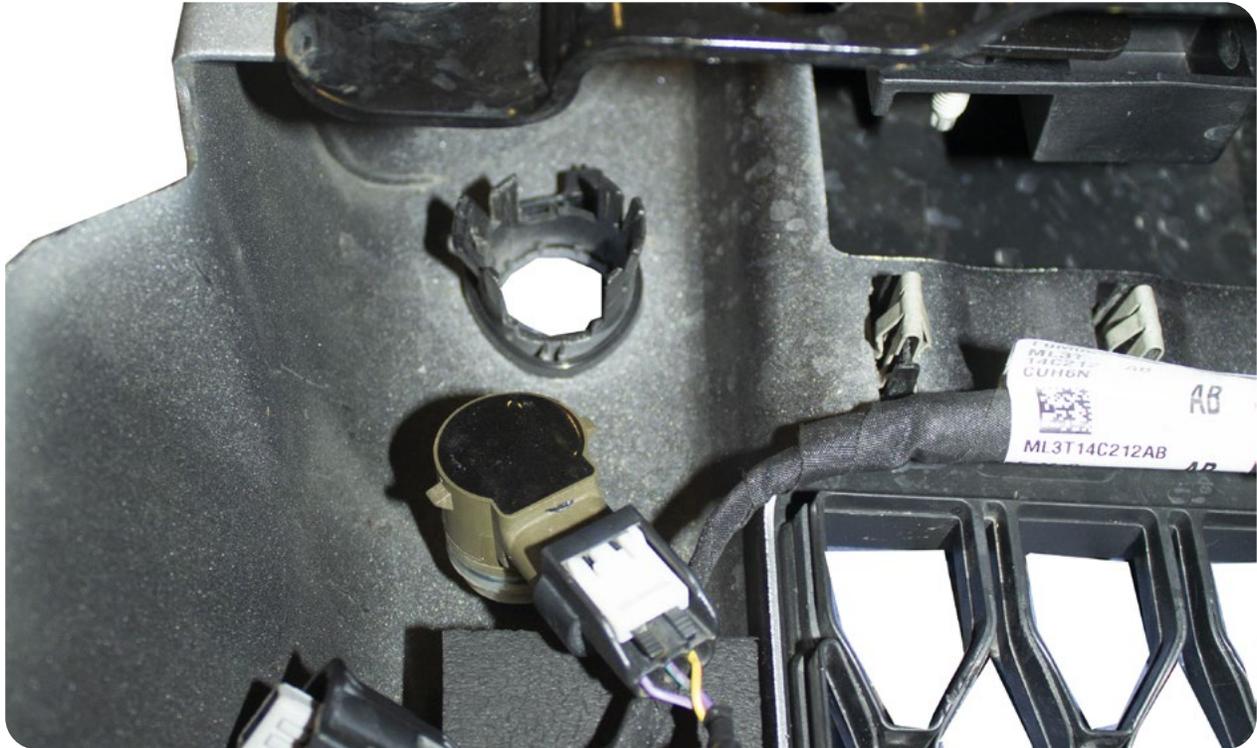


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REMOVAL

□ STEP 8

Remove all four parking sensors and bezels from the stock bumper and remove wire harness.



Spread these two tabs to release the sensor from its mounting ring.



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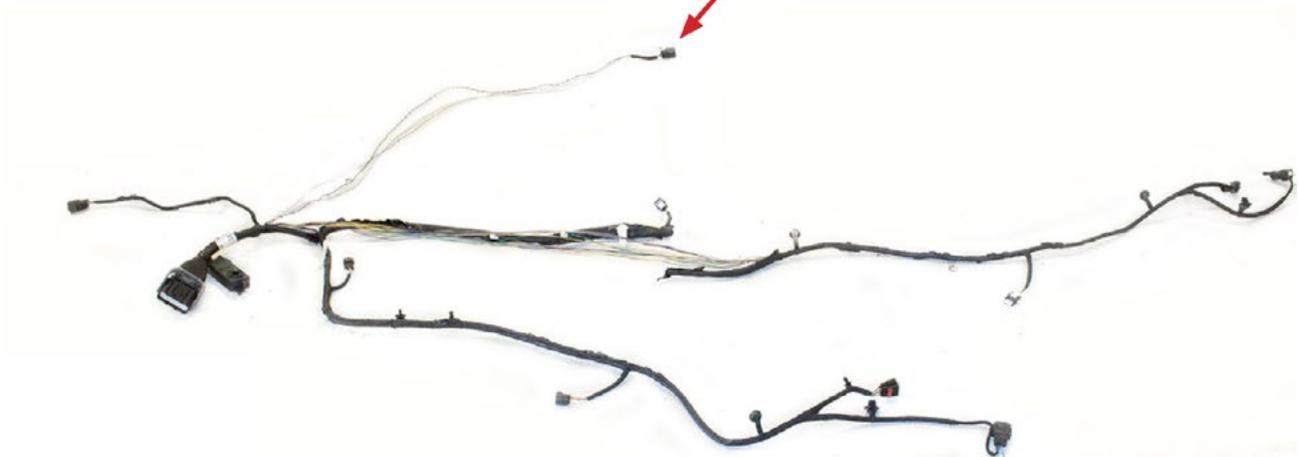
REMOVAL

□ STEP 9

Find the section of the wire harness that goes to the adaptive cruise control bracket. Remove the wire loom from this point all the way back to the main connector so you can separate the adaptive cruise wires from the rest of the harness. Once you have all the wires separated re-loom the exposed wire.



Strip back the wire loom starting at this connector and ending at the main harness connector so it looks like below when you are complete.

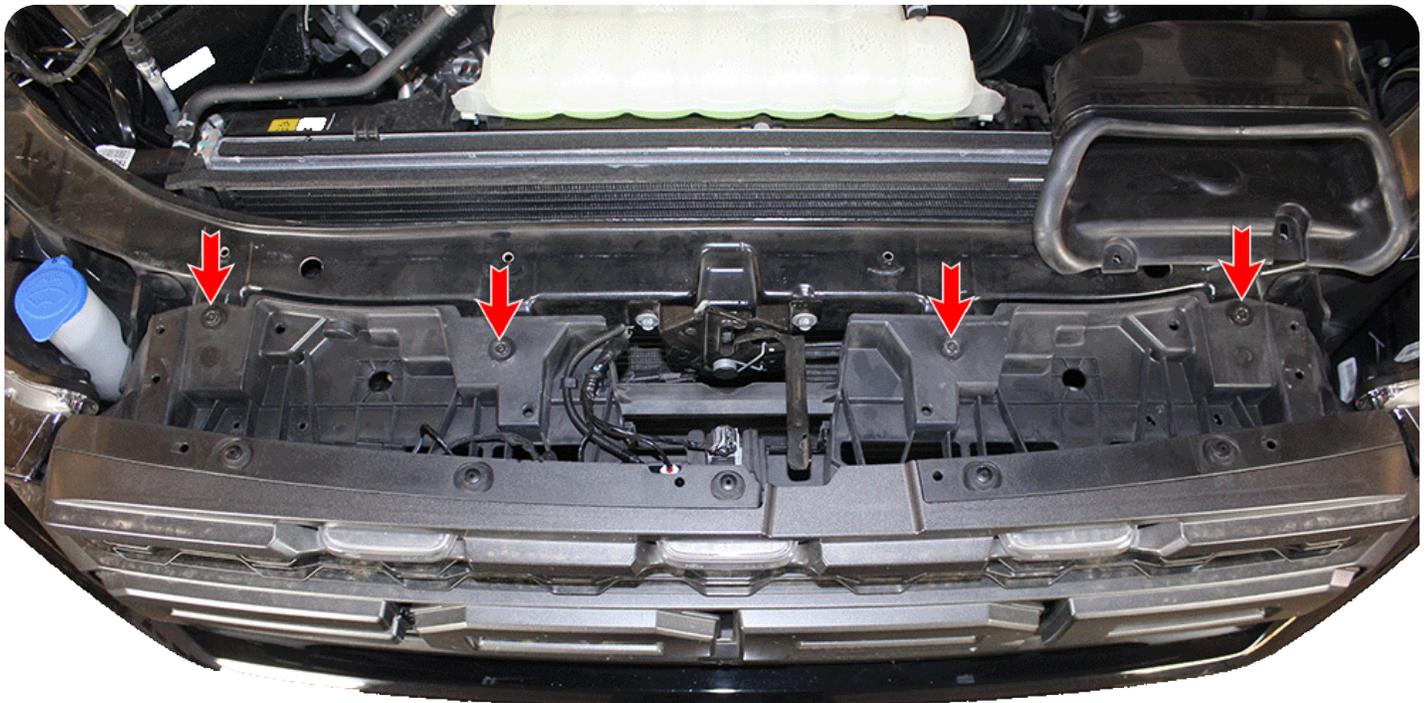
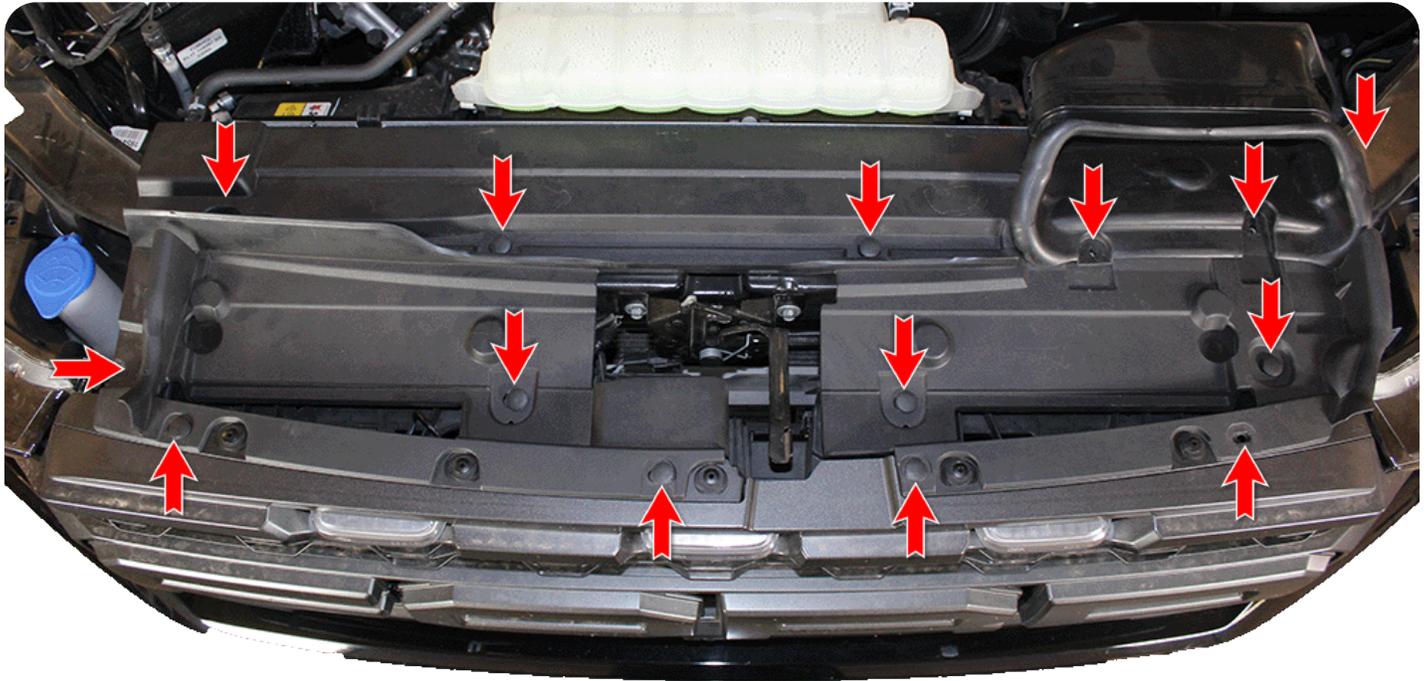


ADAPTIVE CRUISE CONTROL RELOCATION KIT 2024/FORD F-150 RAPTOR

REMOVAL

□ STEP 10

Using a (fastener remover/flathead) remove the pushpins holding the cover on top of the grill. Next use a (10mm) to remove the bolts holding the grill.

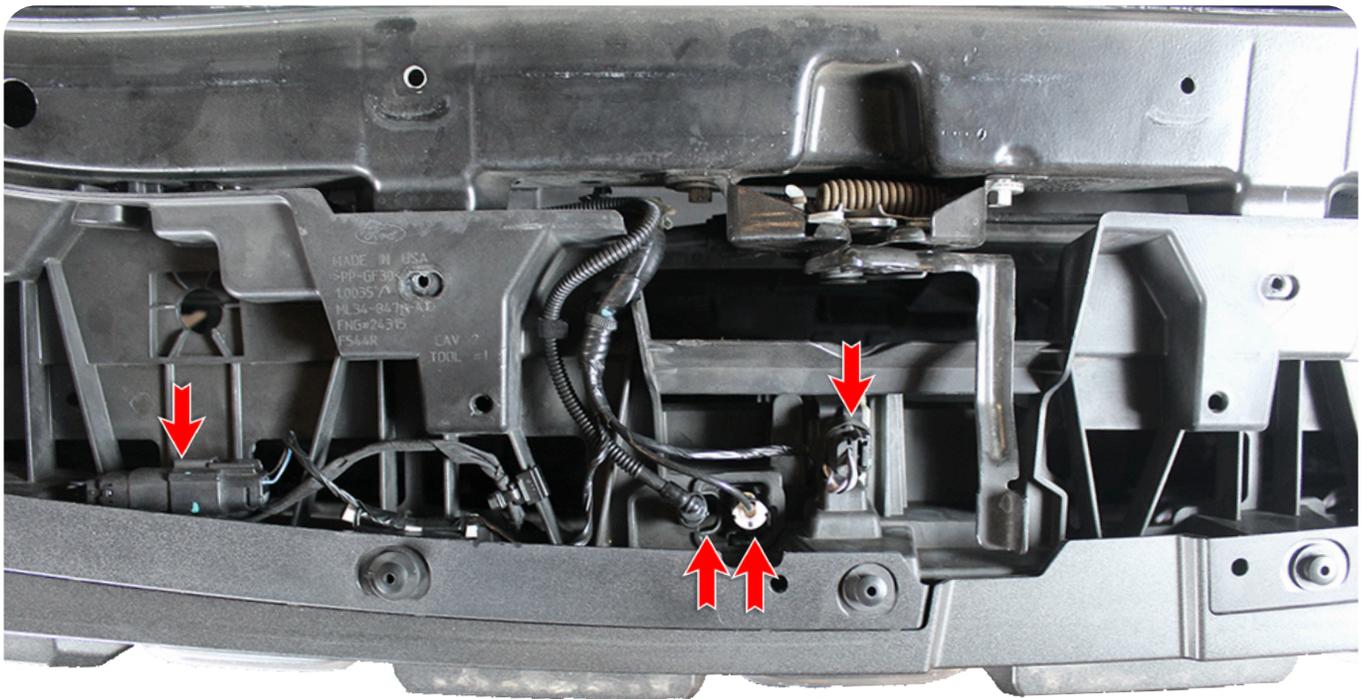


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REMOVAL

STEP 11

Unplug all four plug-ins on top of the grill.

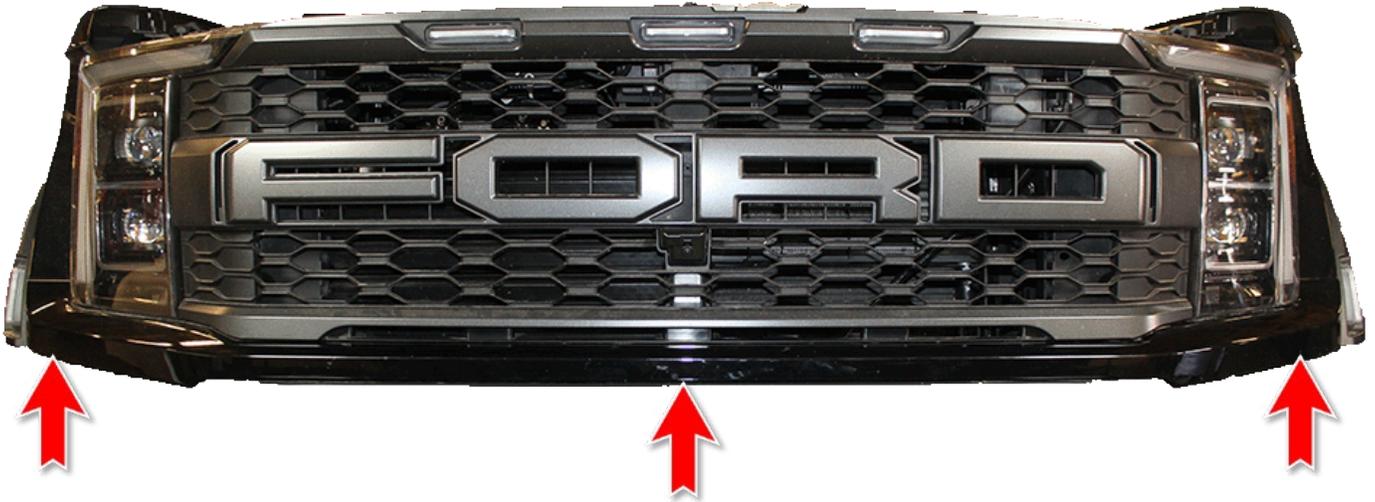


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REMOVAL

□ STEP 12

Remove the valence located on the bottom of the grill. Pull the outside trim outwards and pull the valence off on each side.

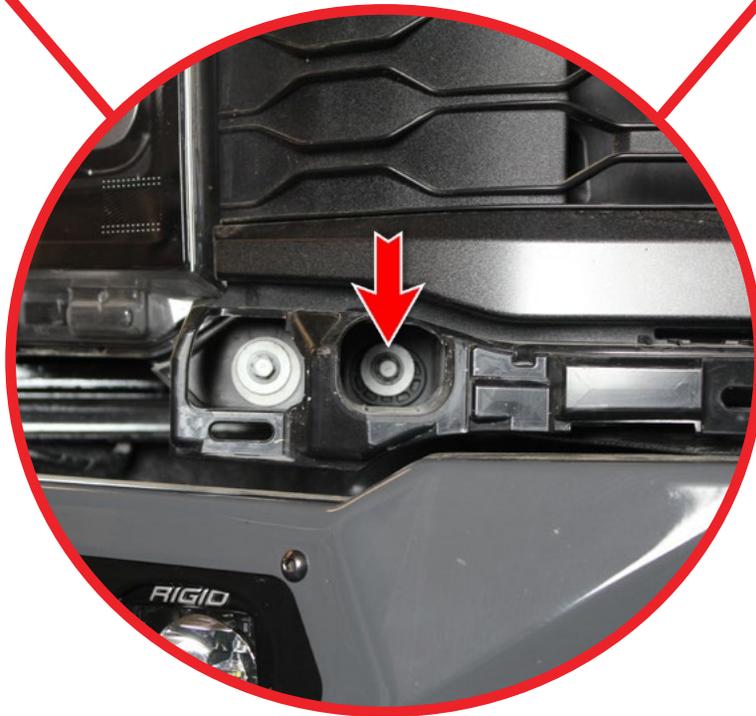
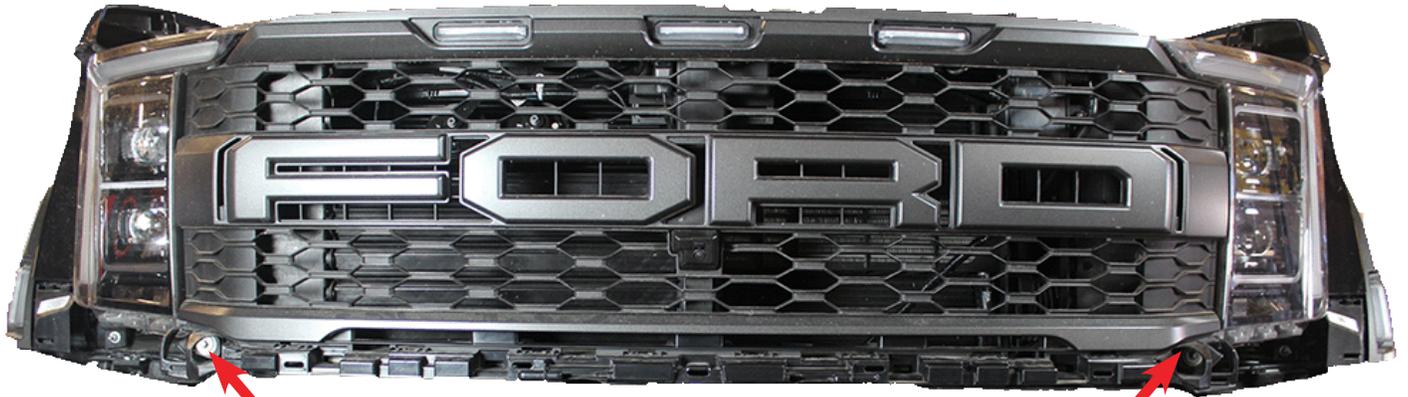


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REMOVAL

STEP 13

Remove the bolts holding the grill from the bottom using a (8mm). You can now remove the grill.

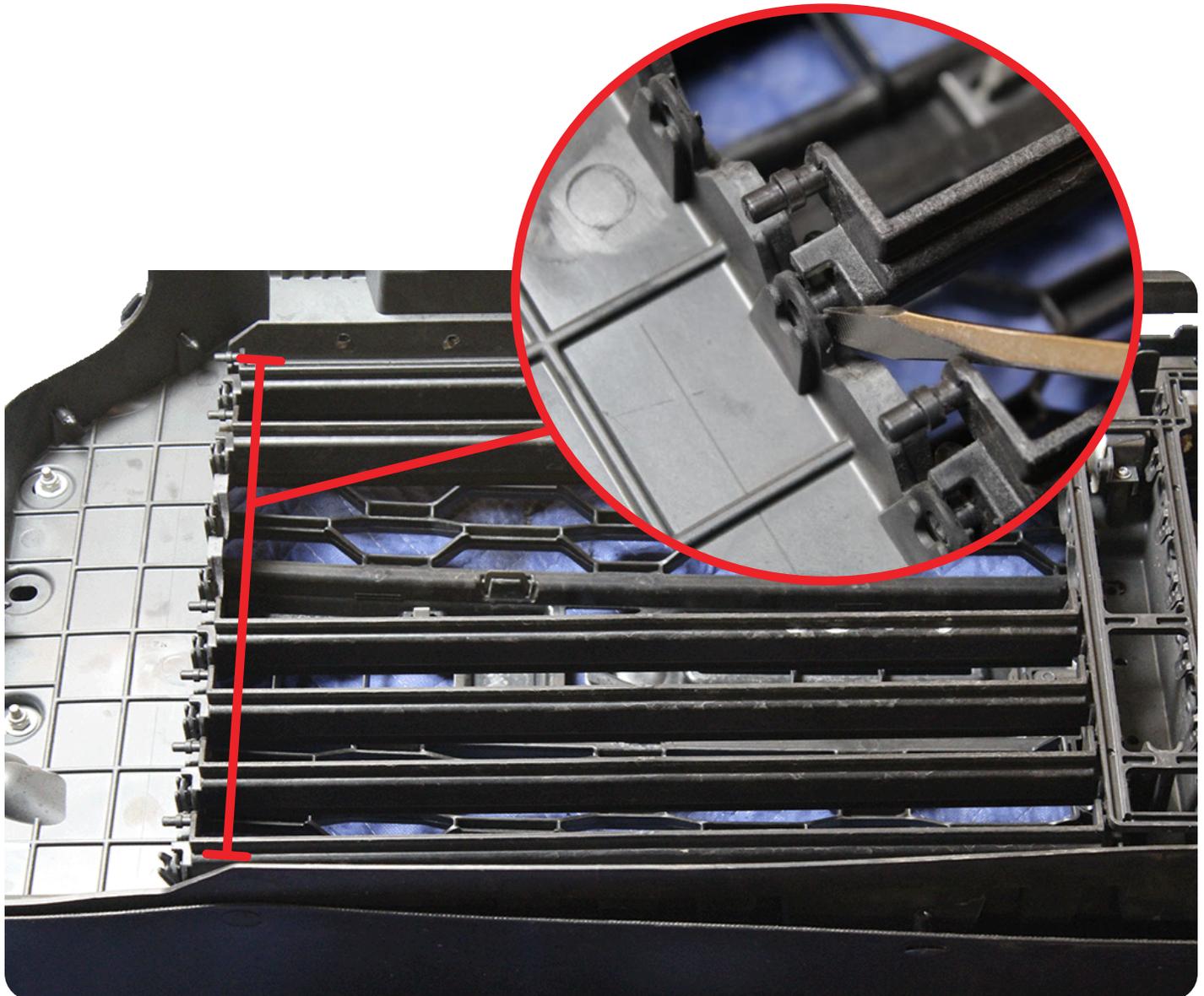


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REMOVAL

STEP 14

Using a (flathead) remove all the shutters on the driver side of the grill.

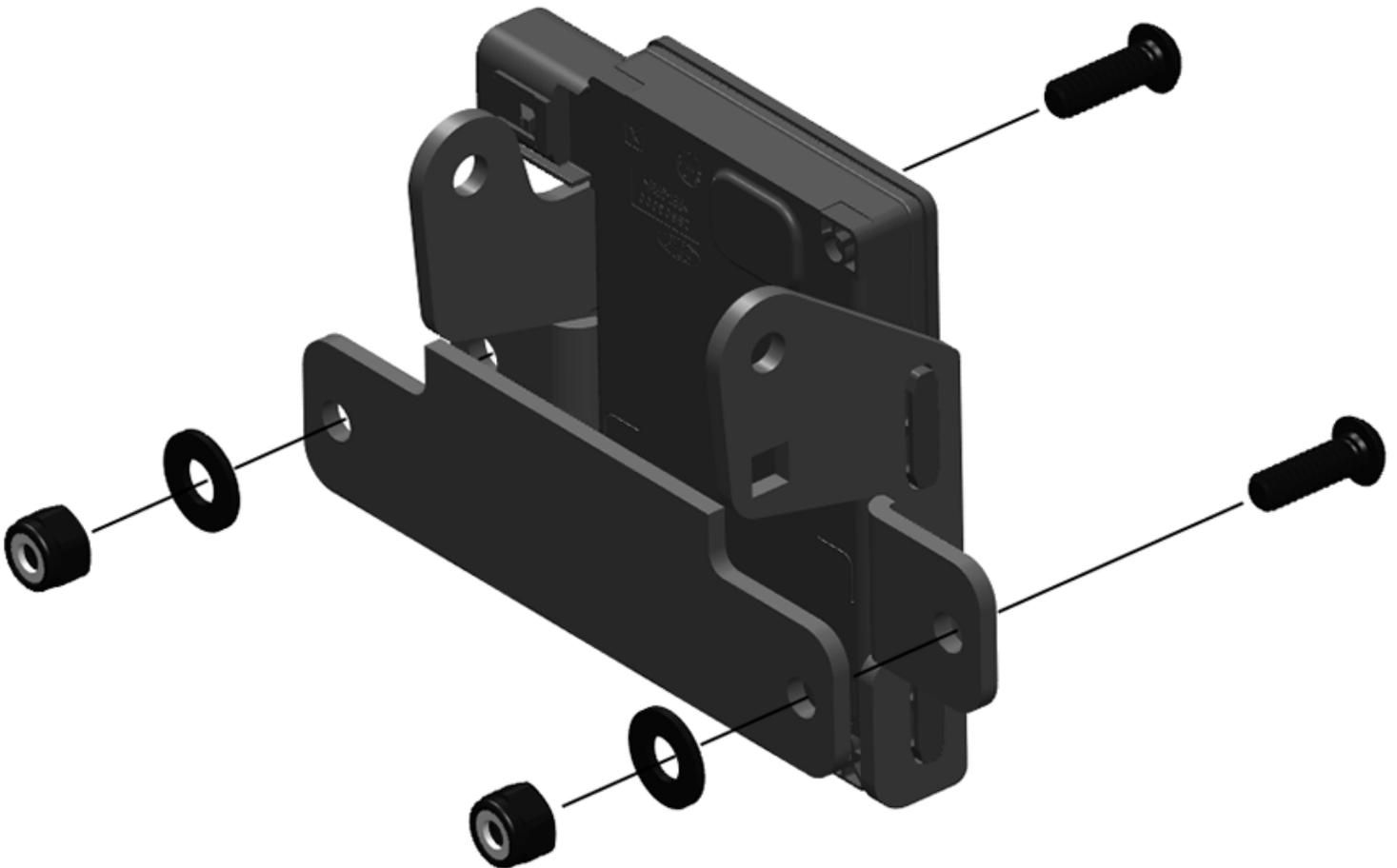


ADAPTIVE CRUISE CONTROL RELOCATION KIT
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INSTALL

STEP 15

Using a (5/32 allen) and a (7/16 wrench), install the ACC module with the provided brackets shown below using the 1/4" hardware.

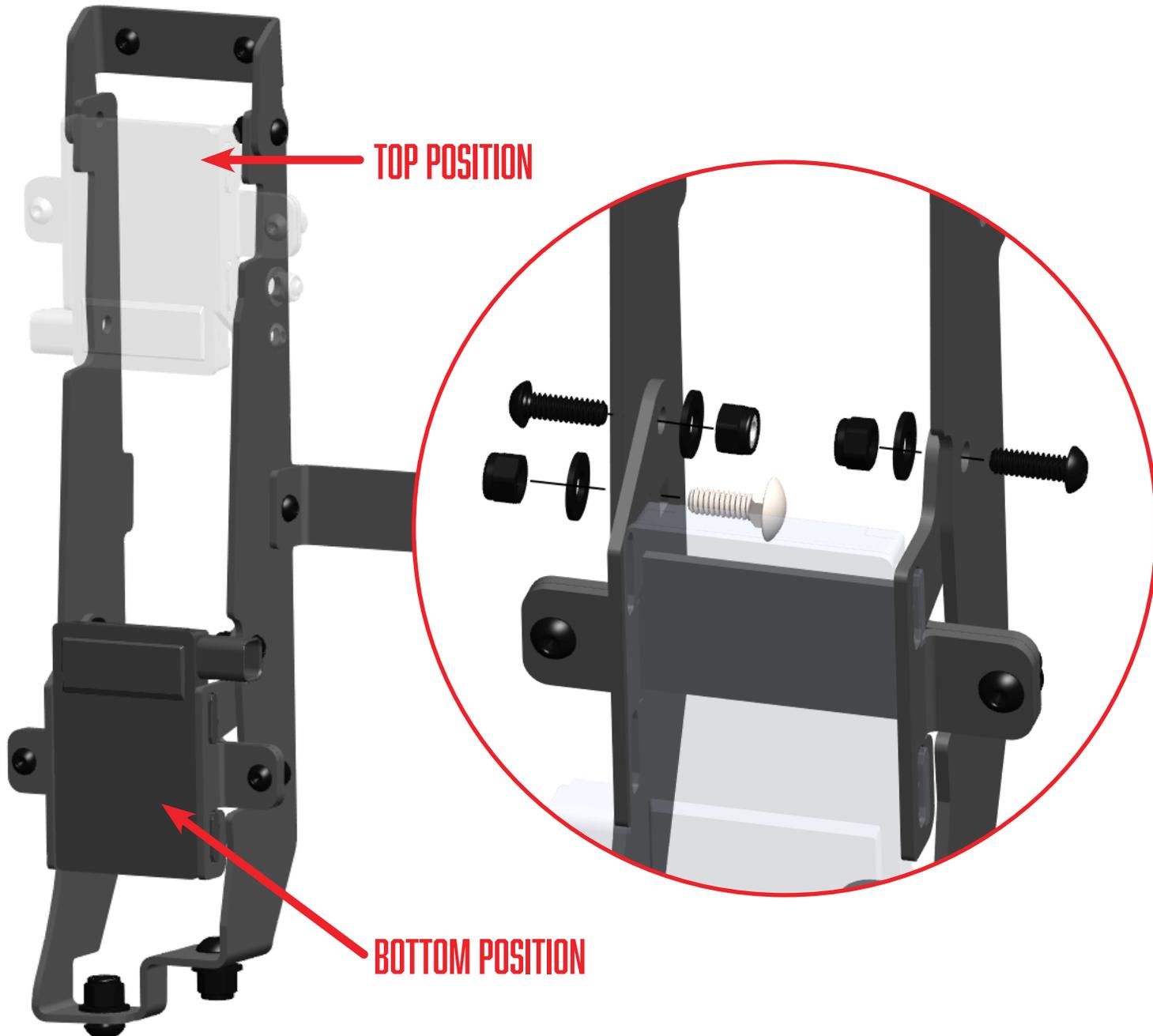


ADAPTIVE CRUISE CONTROL RELOCATION KIT 2024/FORD F-150 RAPTOR

INSTALL

□ STEP 16

Using a (5/32 allen) and a (7/16 wrench), Install the ACC module with the bracket provided below using the 1/4" hardware and the 1/4" carriage bolt. The top position is for if you have any obstructions in the way with the bottom position. For OEM like settings, Install in the bottom position with the angle set two degrees down.



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INSTALL

STEP 17

Using a (5/32 allen) and a (7/16 wrench), Install the top support bracket with the provided 1/4 hardware.

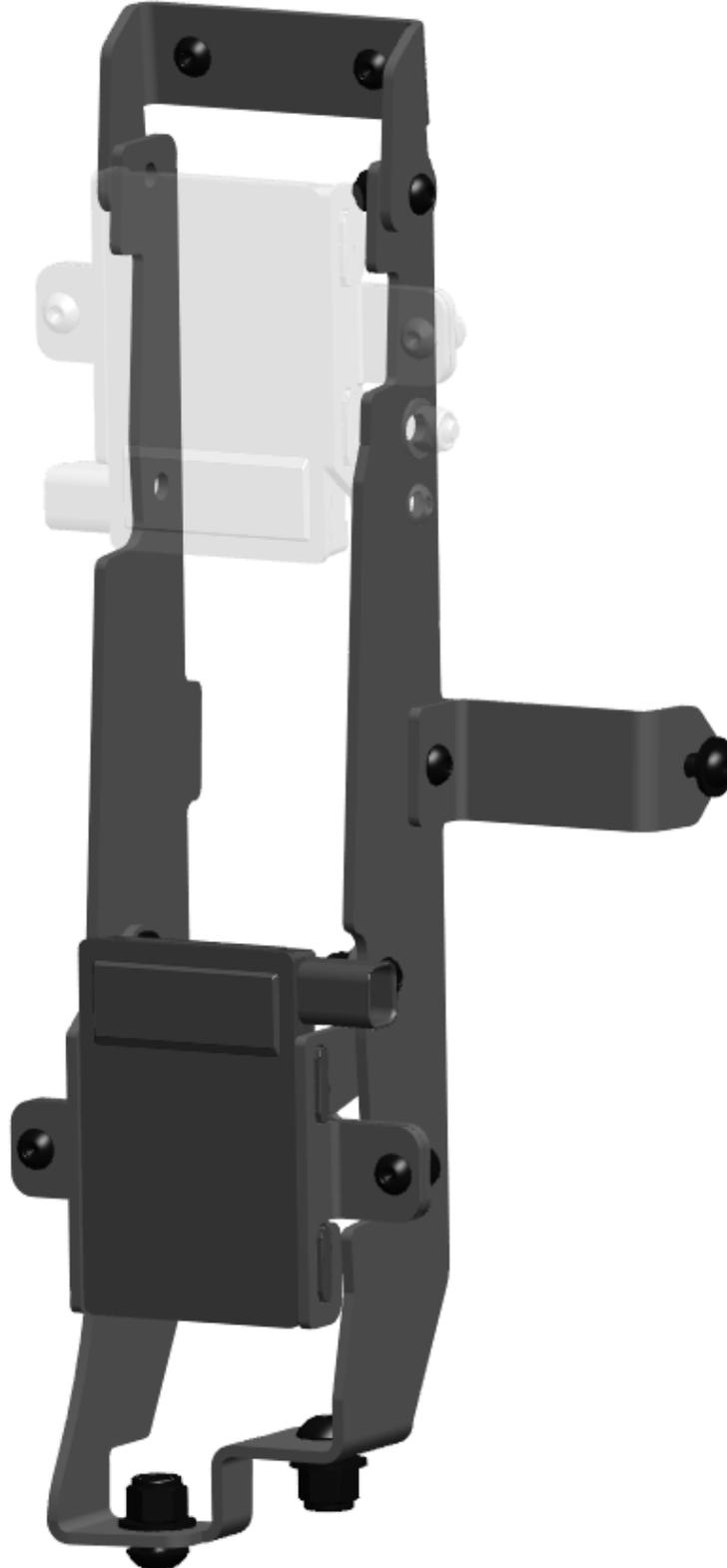


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INSTALL

STEP 18

Ensure that the ACC relocation kit looks like this before install on the grill.

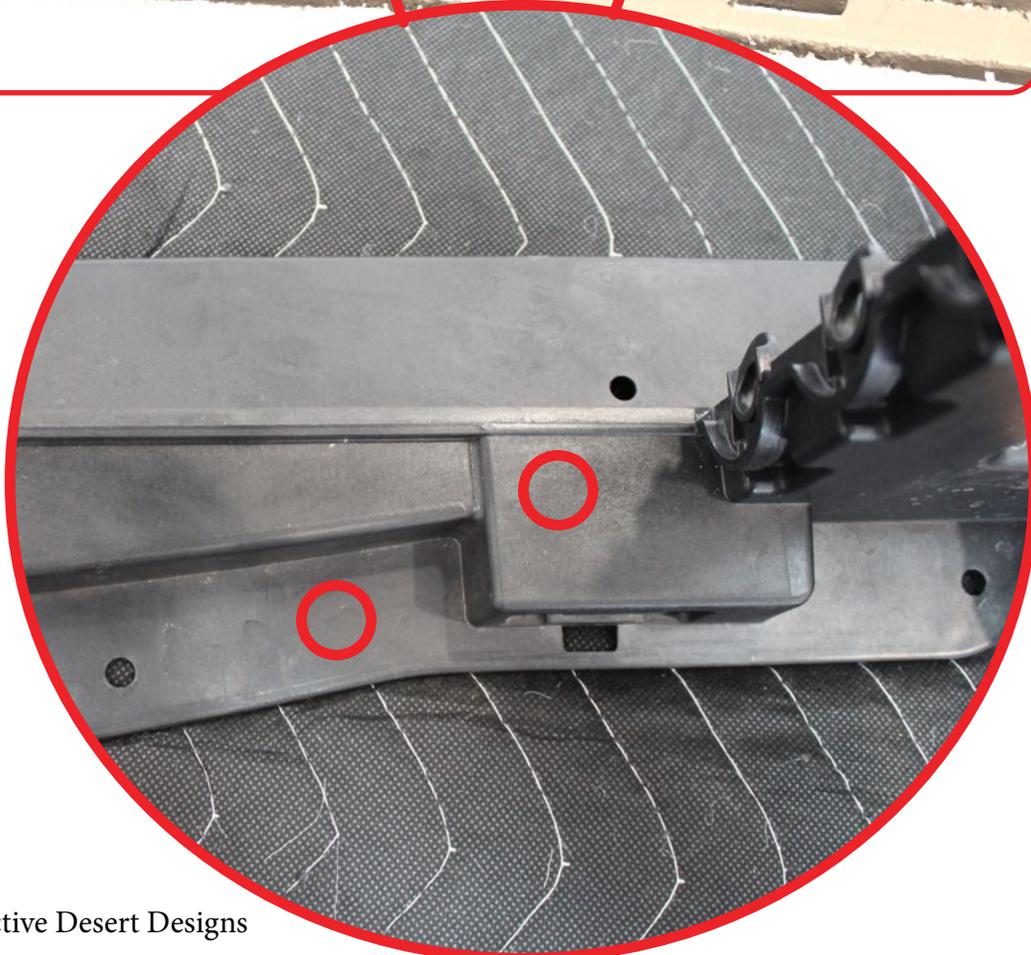
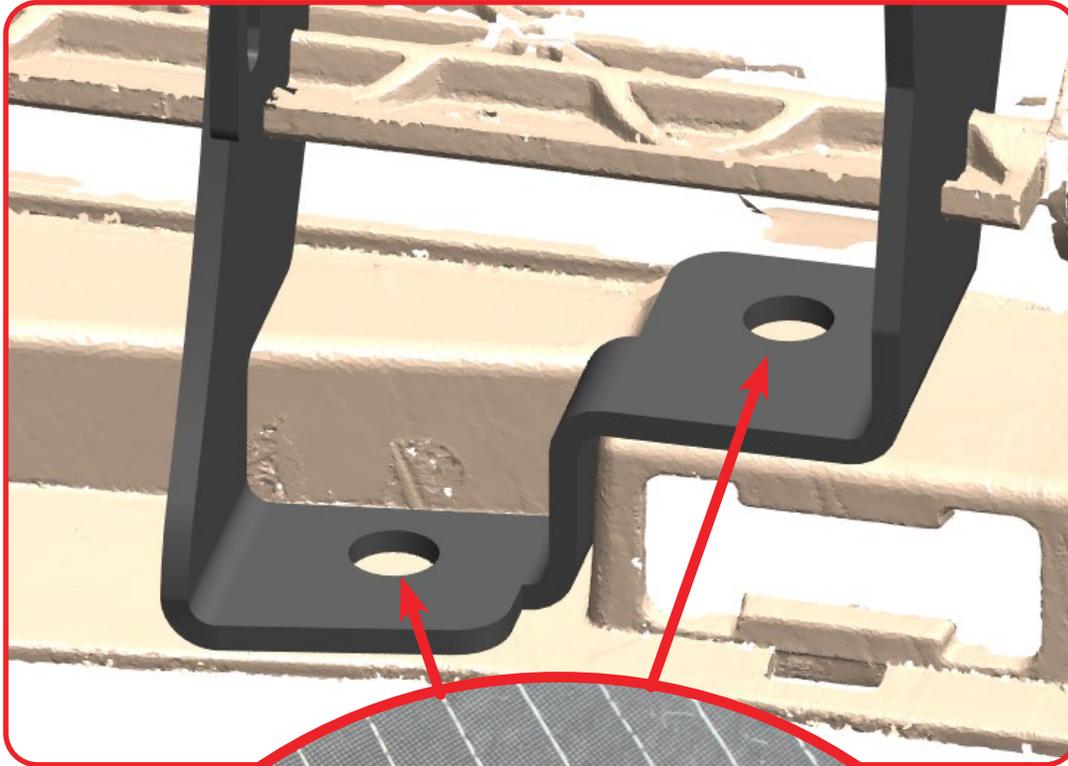


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INSTALL

□ STEP 19

Place the bracket on the driver side of the grill and line the holes up as shown below. mark the holes and drill a 3/8 hole using a (3/8 drill bit).

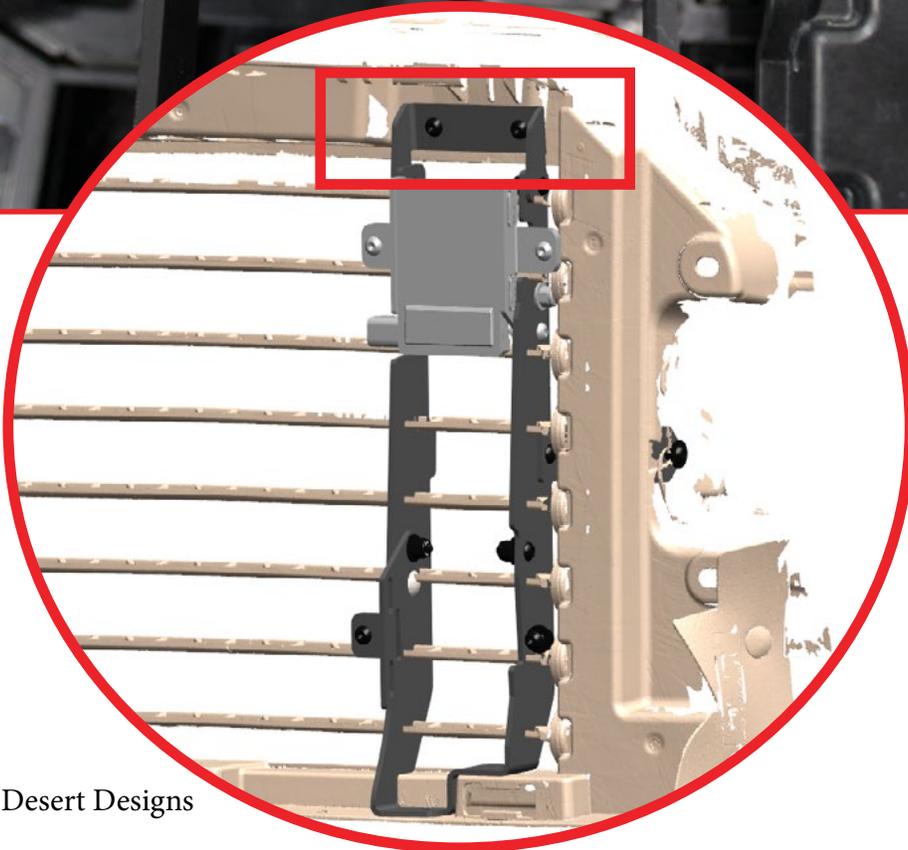


ADAPTIVE CRUISE CONTROL RELOCATION KIT 2024/FORD F-150 RAPTOR

INSTALL

□ STEP 20

Next, ensure that the top mounting bracket is install and mark the holes as shown below and drill a 1/4 hole using a (1/4 drill bit).

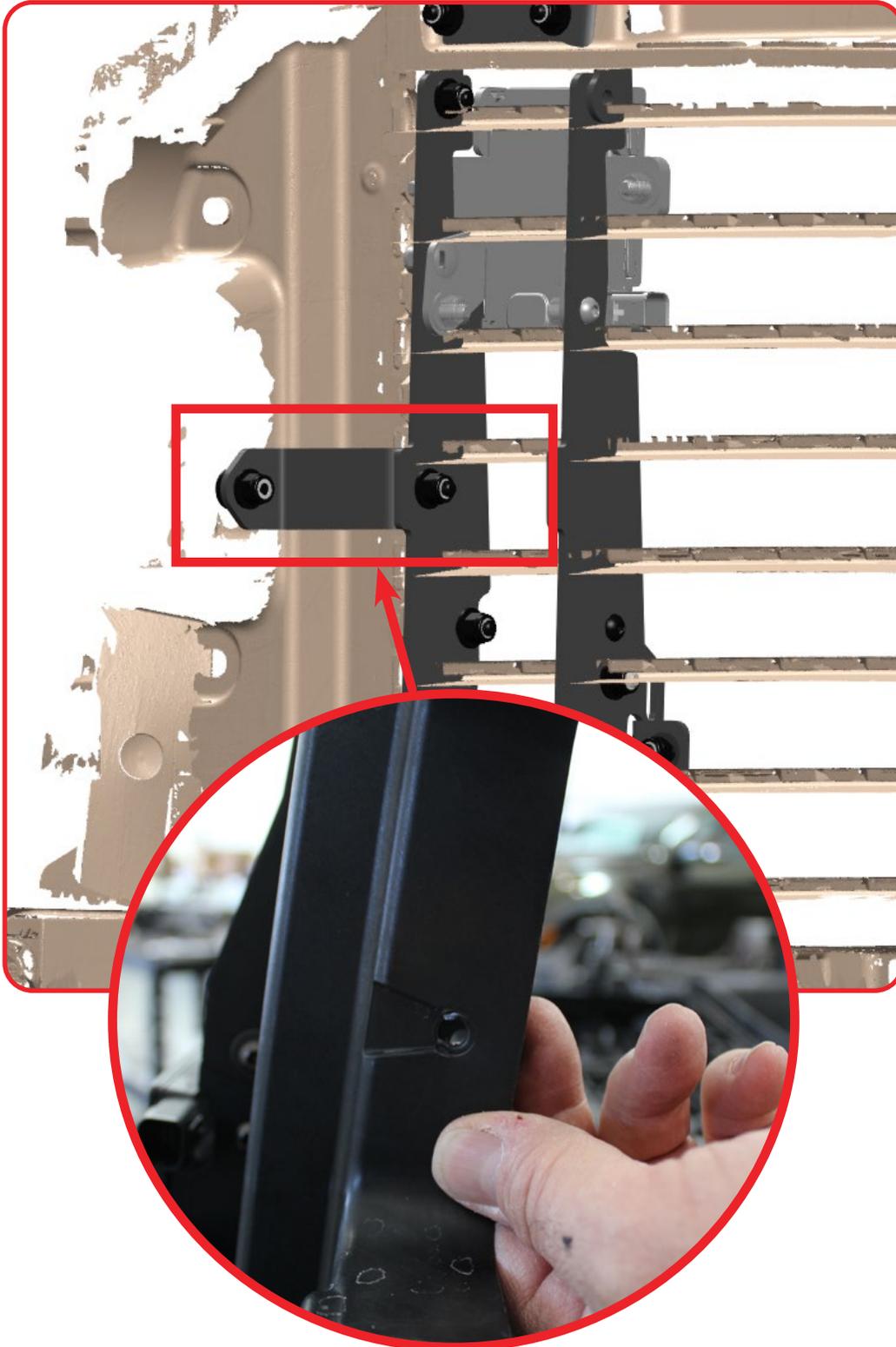


ADAPTIVE CRUISE CONTROL RELOCATION KIT 2024/FORD F-150 RAPTOR

INSTALL

□ STEP 21

Using a 5/32 allen) and a (7/16 Wrench), install the side support bracket and drill a 1/4 hole using a (1/4 Drill bit) into the side of the grill as shown below.



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INSTALL

STEP 22

Install the ACC plug and repeat steps 13-10 for reinstall of the grill and valence.



ADAPTIVE CRUISE CONTROL RELOCATION KIT
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FINAL

STEP 23

Stand back and enjoy your new Adaptive Cruise Control Relocation Kit.

Check and re-tighten, if needed, all mounting bolts after 100 miles and periodically thereafter.



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PLEASE CALL 480-671-0820 OR
EMAIL INFO@ADDICTIVEDESERTDESIGNS.COM