



M-5018-FSP
2021+MY F-150
Tremor Skid Plate Kit

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PRIOR TO INSTALLATION READ THESE INSTRUCTION COMPETELY
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Please visit <https://www.performanceparts.ford.com> for warranty information

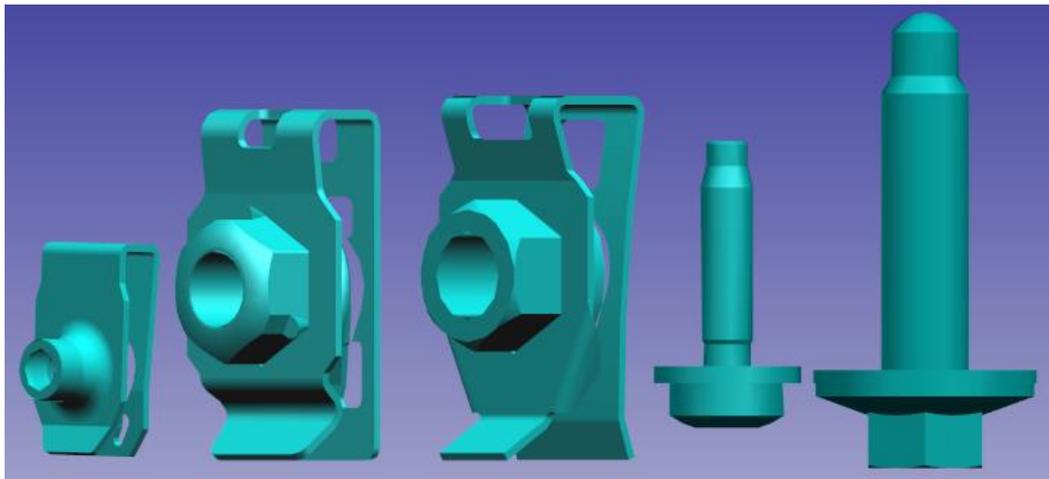


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Kit contents:

Description	Quantity
Bumper Cover Stiffener	1
Front Bumper Cover	1
J Clip, Bumper Cover (M6)	5
Bolt & Washer (M6x25)	5
Lower Valance Bumper Cover (Right)	1
Lower Valance Bumper Cover (Left)	1
Lower Bumper Cap (Right)	1
Lower Bumper Cap (Left)	1
Skid Plate Bracket	2
J Clip, Skid Plate (M10)	6
J Clip, Frame (M10)	2
Bolt & Washer (M10x35)	8
Skid Plate	1



J-Clip (M6)
(Bumper Cover)

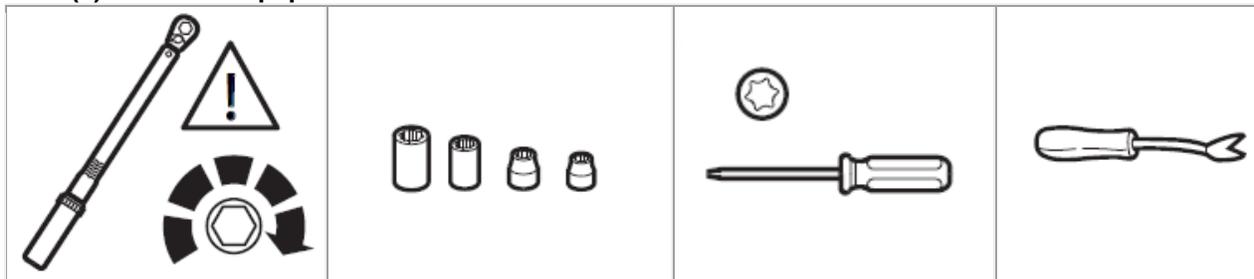
J-Clip (M10)
(Skid Plate)

J-Clip (M10)
(Frame)

M6x25

M10x35

Special Tool(s) / General Equipment



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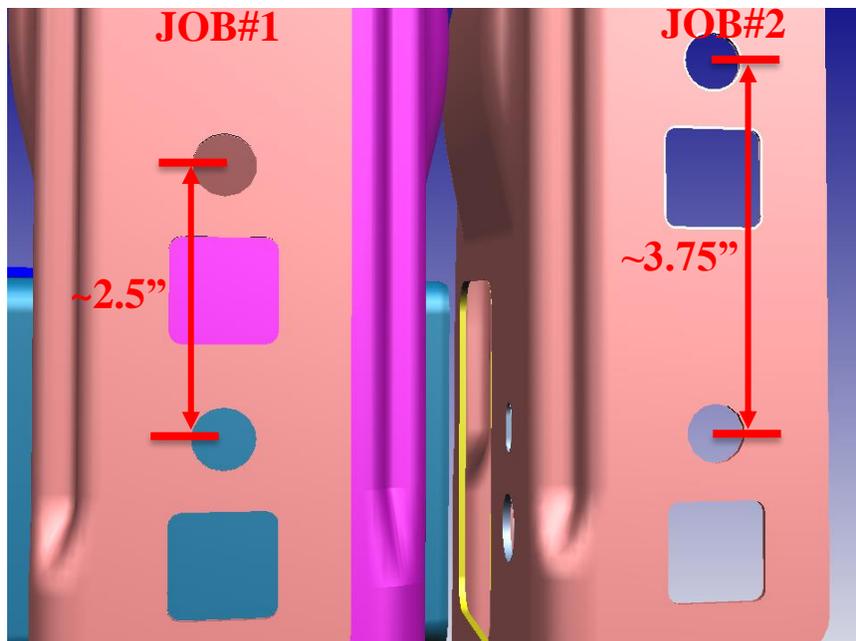
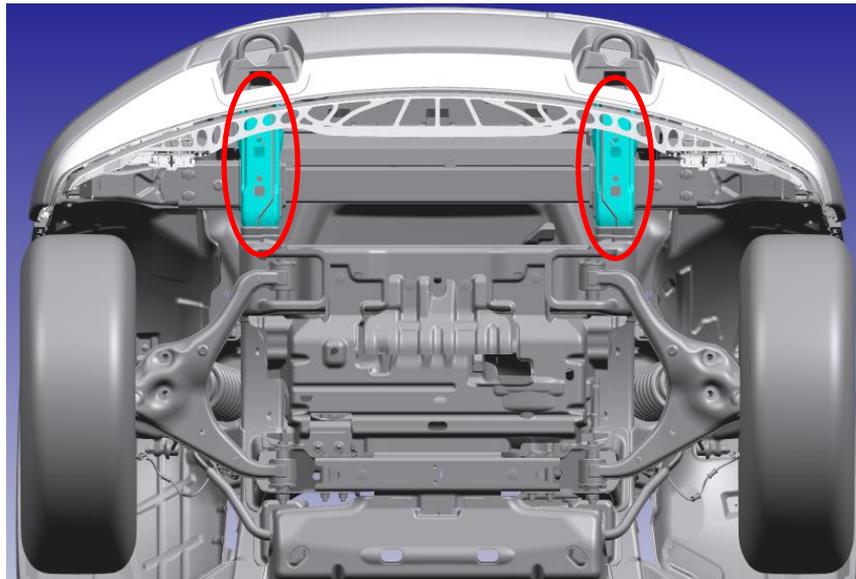
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⚠ ATTENTION: Verify proper fitment of the skid plate brackets under the truck frame.

⚠ Skid plate fits 21+MY Job 2 truck frames only (Prefix ML39 frame).

To verify proper fitment underneath the frame, measure the distance between the holes directly behind the tow hooks. A Job 1 frame is shown on the left side and a Job 2 frame is shown on the right side of the illustration below.

⚠ A distance of approximately 3.75 inches is needed between the holes for proper fitment.



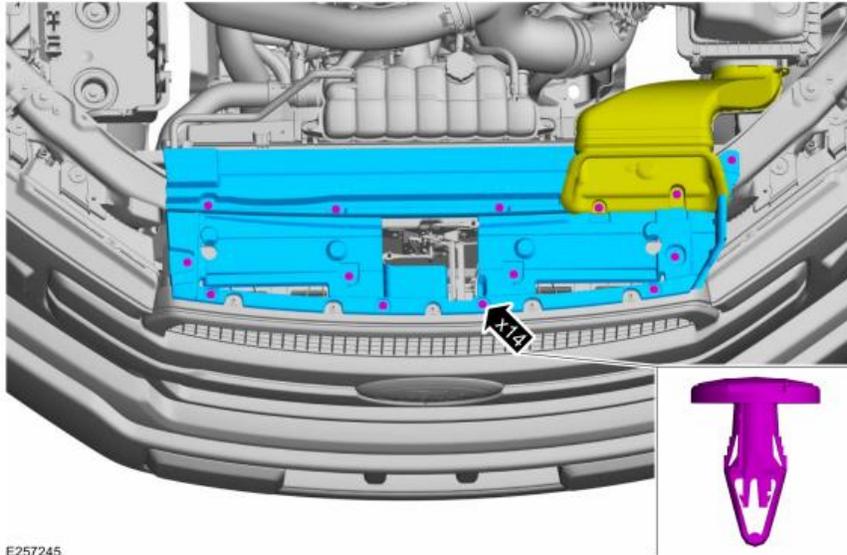
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Removal - Grille

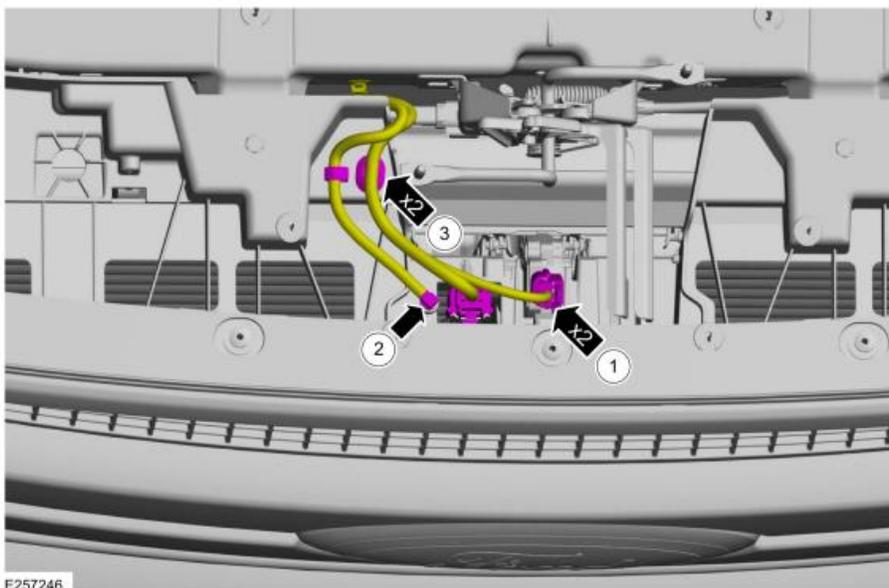
NOTE: Removal steps in this procedure may contain installation details.

1. Remove the push pin retainers, position aside the air intake duct, and remove the air deflector.



2. **NOTE:** If equipped.

Disconnect the electrical connectors and washer hose.



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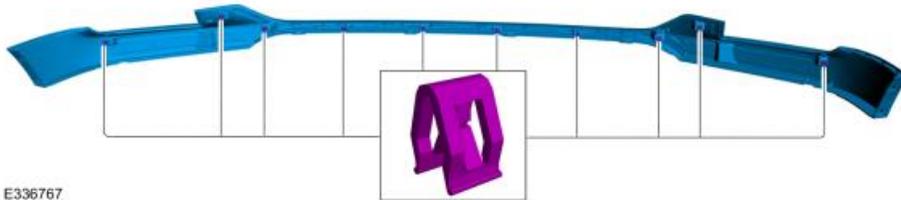
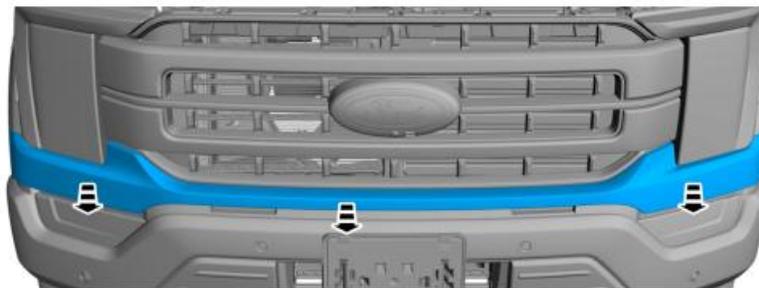
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3. Raise the vehicle on a hoist.
4. On both sides, remove the 2 screws. *Torque: 15 lb.in (1.7 Nm)*



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5. Remove the front bumper upper cover trim panel. Use a flat-blade screwdriver to release the locking tabs.

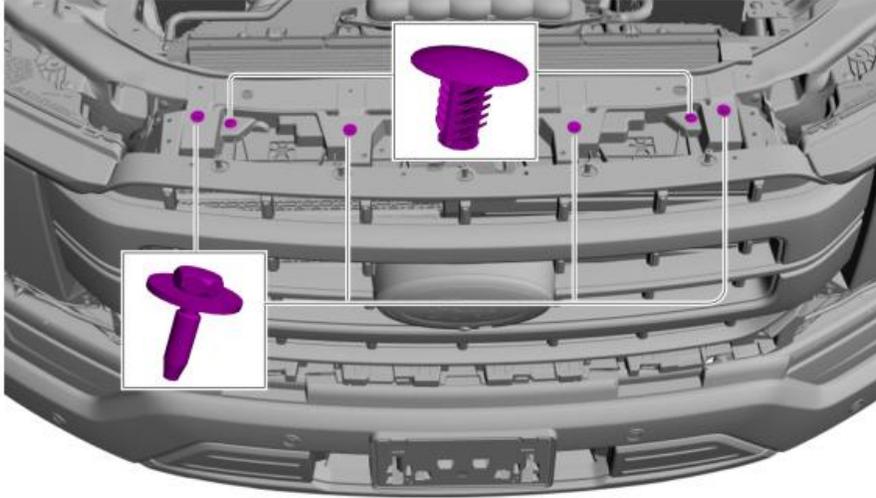


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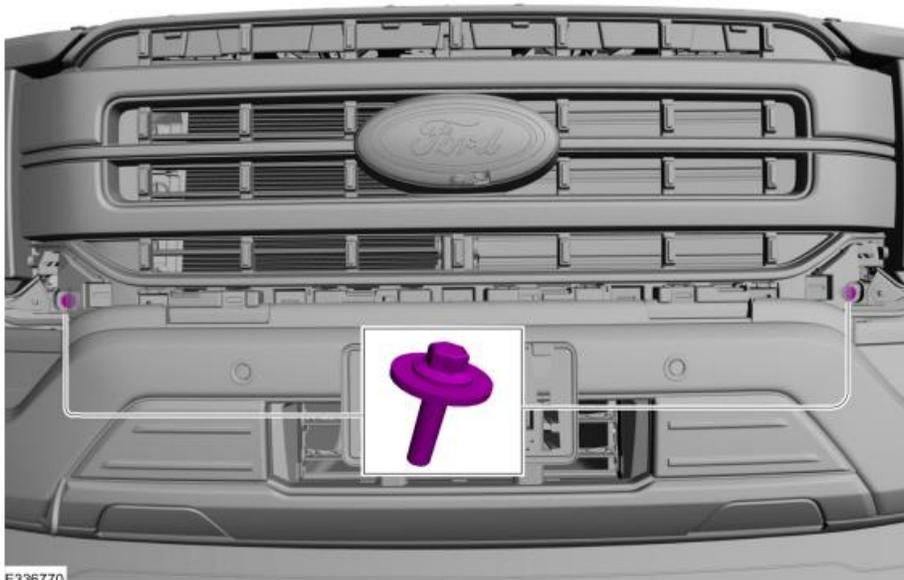
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6. Remove the bolts and the pin-type retainer. *Torque: 36 lb.in (4.1 Nm)*



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7. Remove the active grille shutter mounting bolts. *Torque: 159 lb.in (18 Nm)*



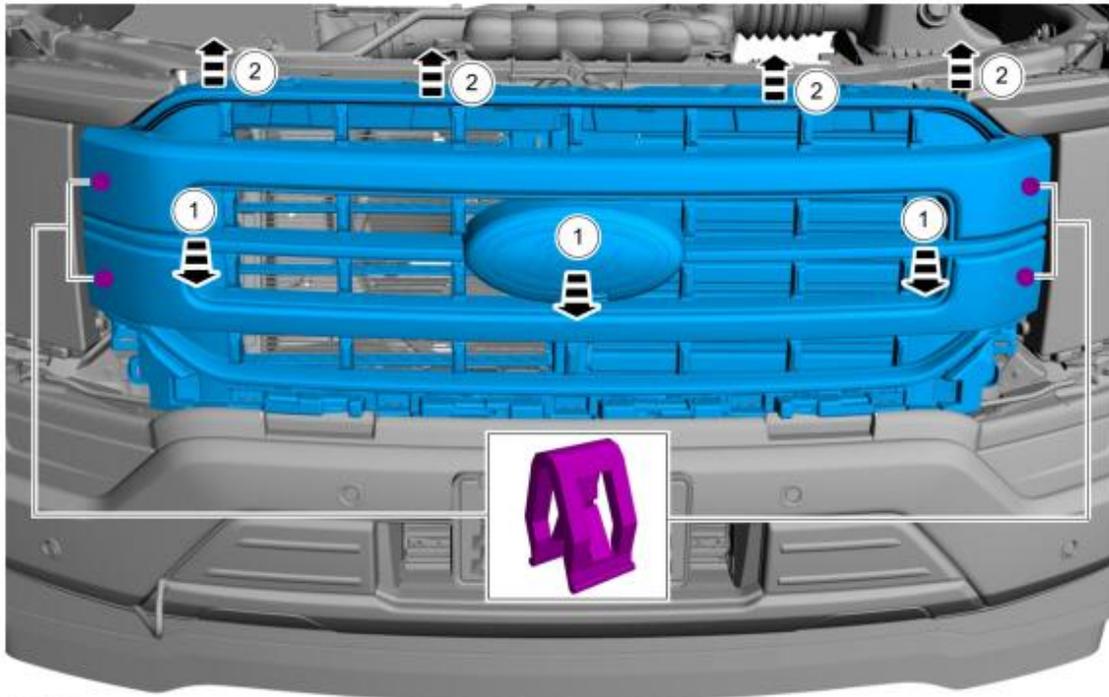
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8.

- Remove the pin-type retainer.
- Pull up to disengage the locating pins along the top of the grille.
- Pull forward on center of the grill to remove.



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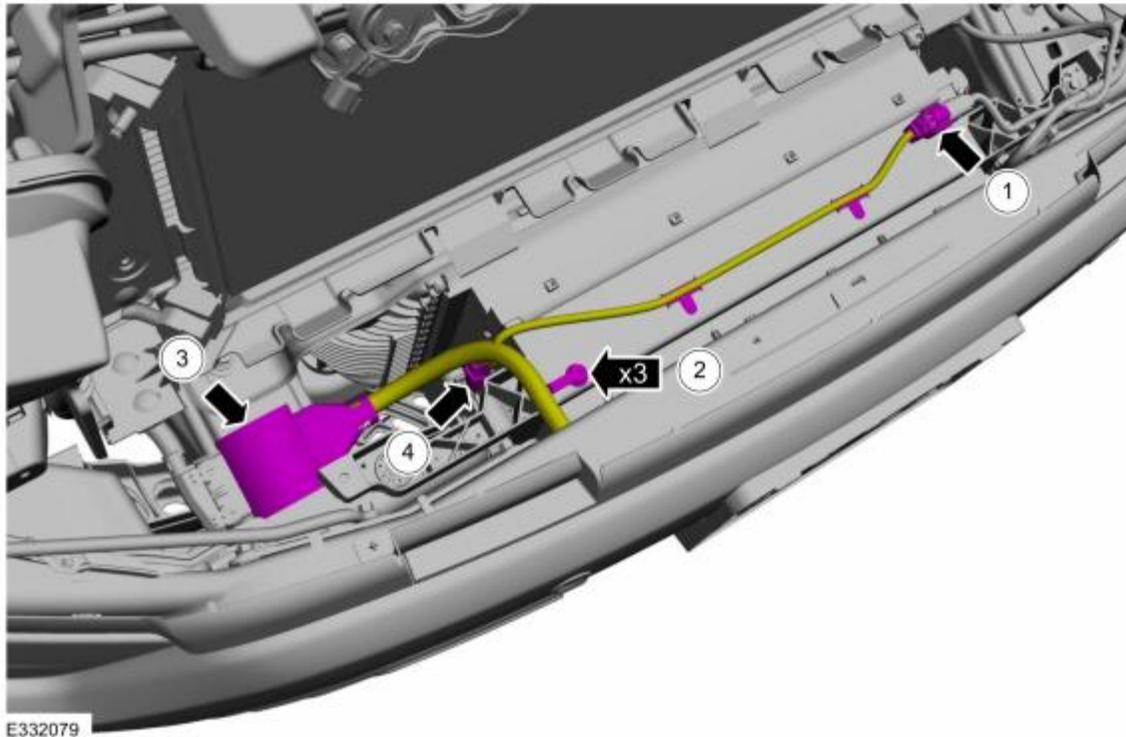
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Removal – Front Bumper

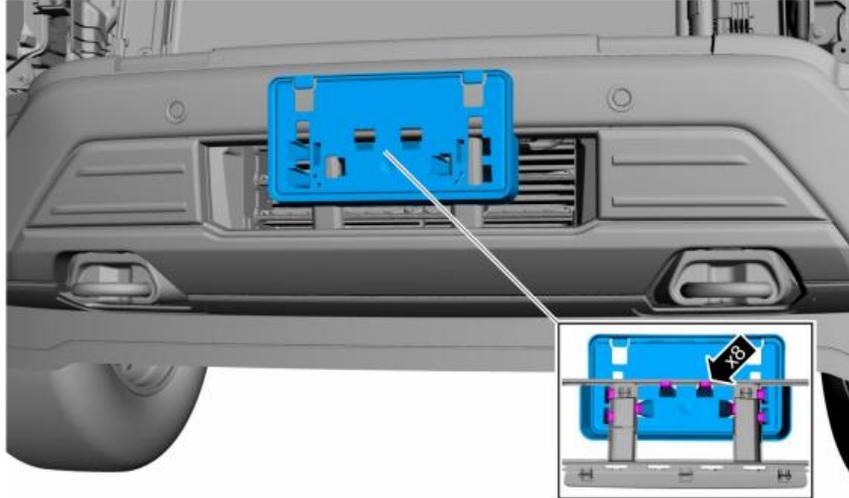
NOTE: Removal steps in this procedure may contain installation details.

1. **NOTE:** The number and location of electrical connectors and retainers will vary depending on option content.
 1. Disconnect the turbocharger bypass valve electrical connector.
 2. Detach the wiring harness retainers.
 3. Disconnect the front bumper harness electrical connector.
 4. Disconnect the lower active grille shutter actuator electrical connector and position the front bumper wiring harness aside.



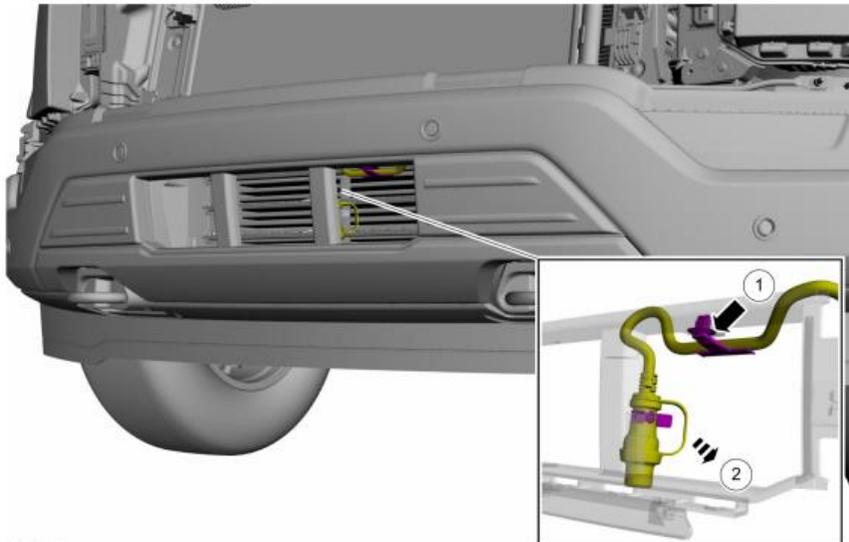
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2. If equipped.
Release the tabs and remove the license plate bracket.



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3. If equipped,
 1. Detach the wiring harness retainer.
 2. Remove the engine block heater and position the engine block heater wiring harness aside.

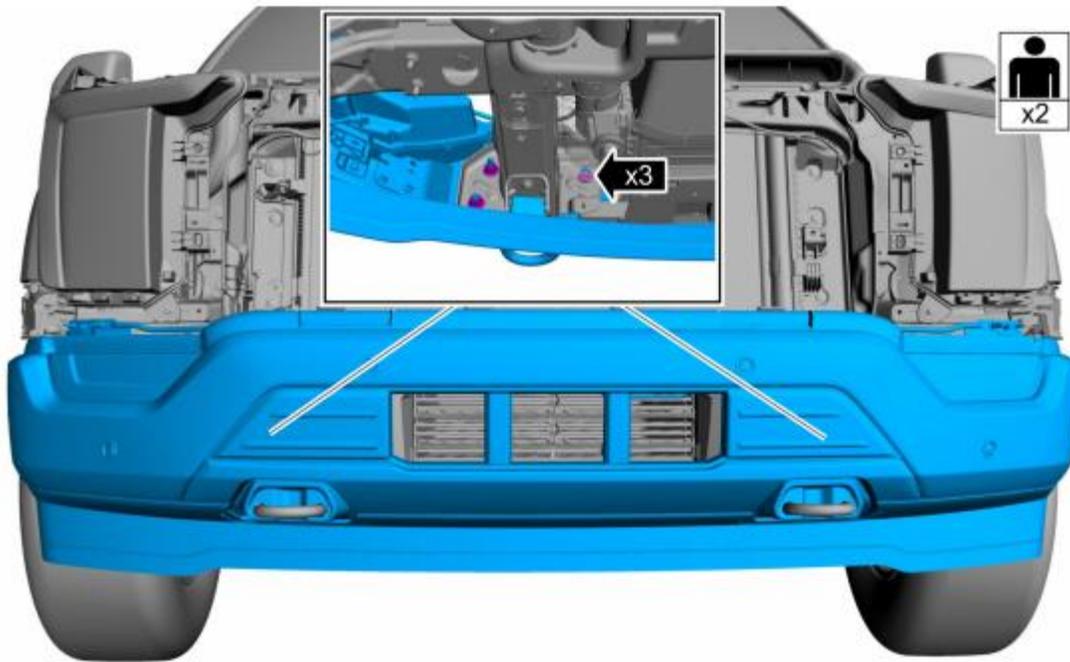


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4. Raise the vehicle on a hoist.
5. With the help of an assistant, remove the nuts and the front bumper. *Torque: 76 lb.ft (103 Nm)*

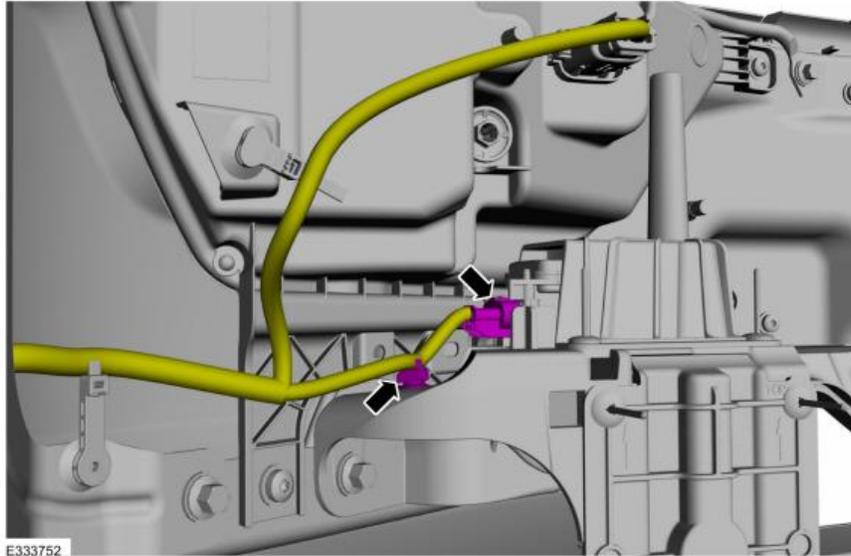


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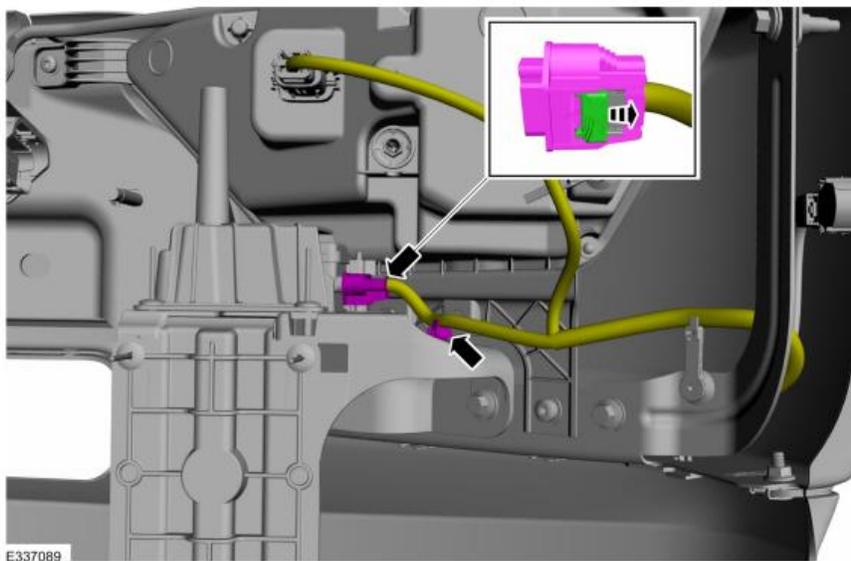
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Removal – Active Air Dam (AAD)

1. LH side.
Disconnect the AAD electrical connector, detach the retainer and position the wiring harness aside.



2. RH side.
Release the locking tab and disconnect the AAD electrical connector. Detach the retainer and position the wiring harness aside.



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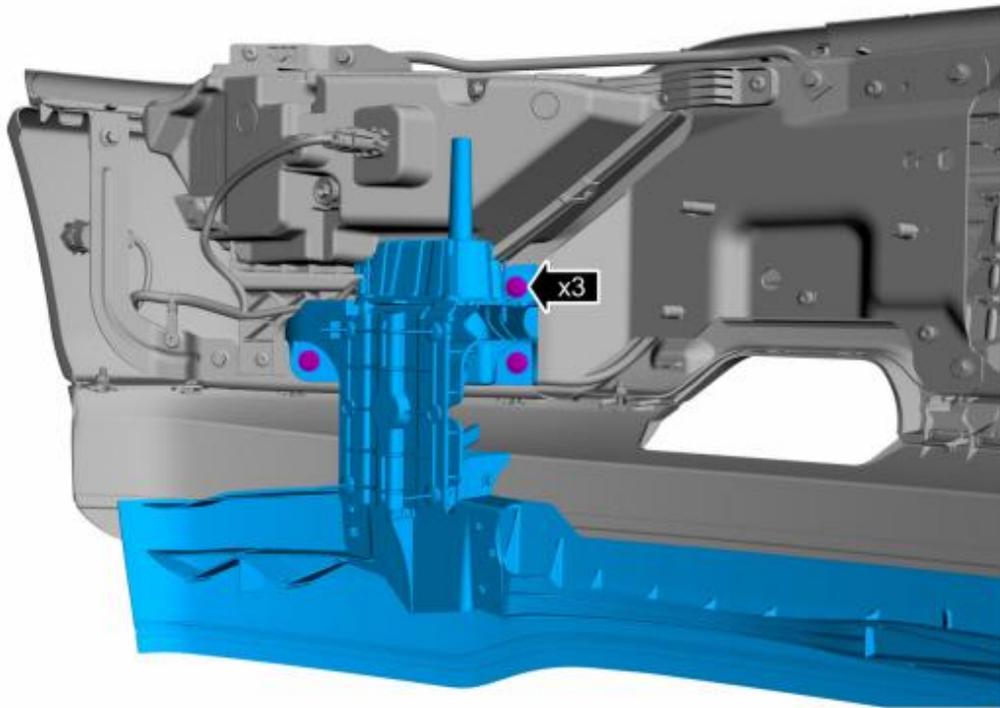


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3. On both sides, remove the bolts and the AAD assembly. *Torque: 18 lb.ft (25 Nm)*



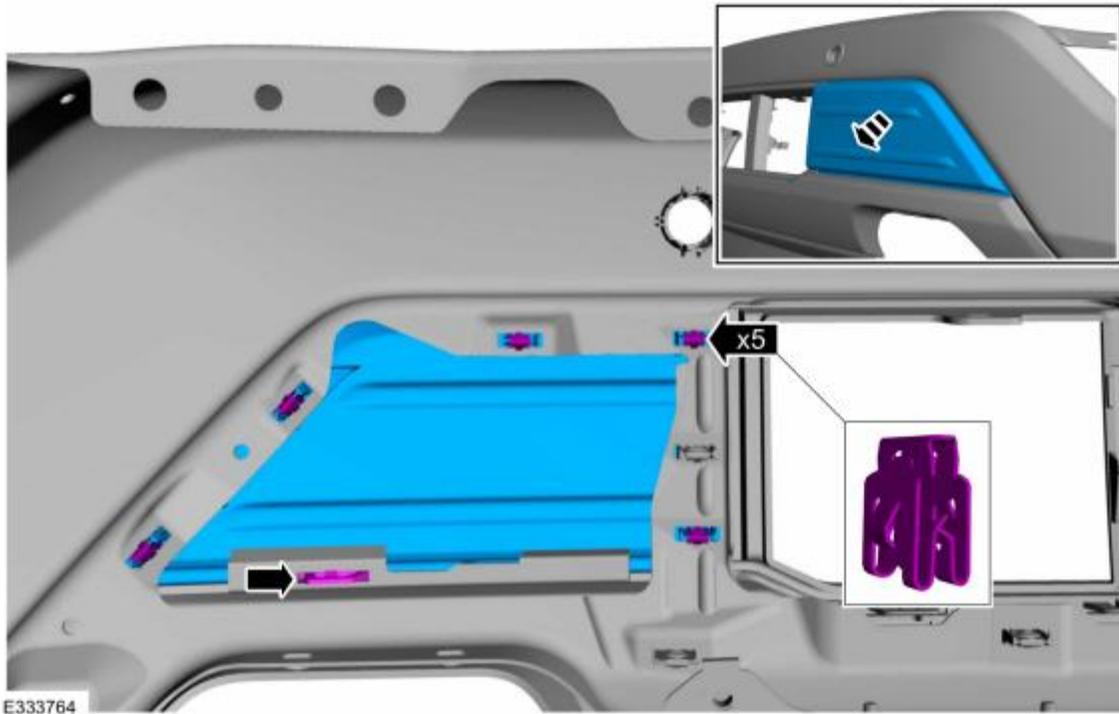
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Removal – Front Bumper Caps

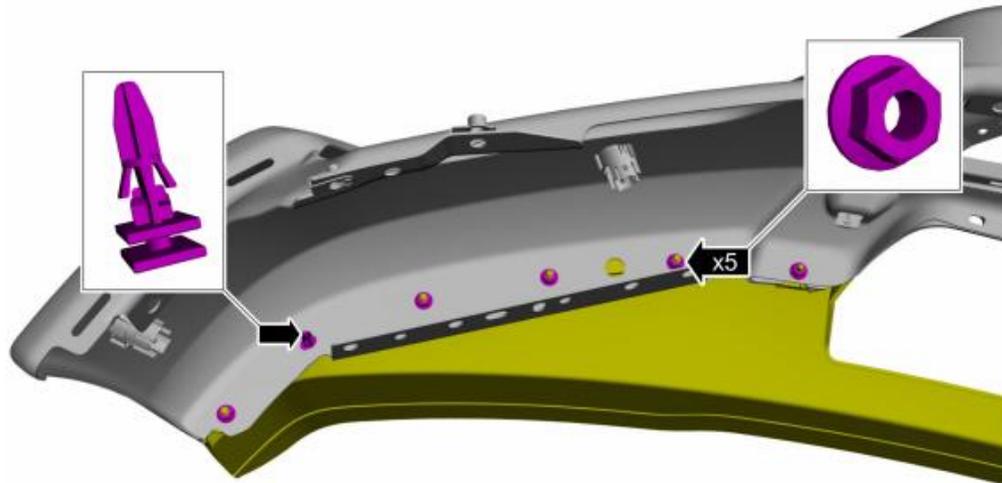
1. On both sides, release the clips, the tab and remove the front bumper caps.



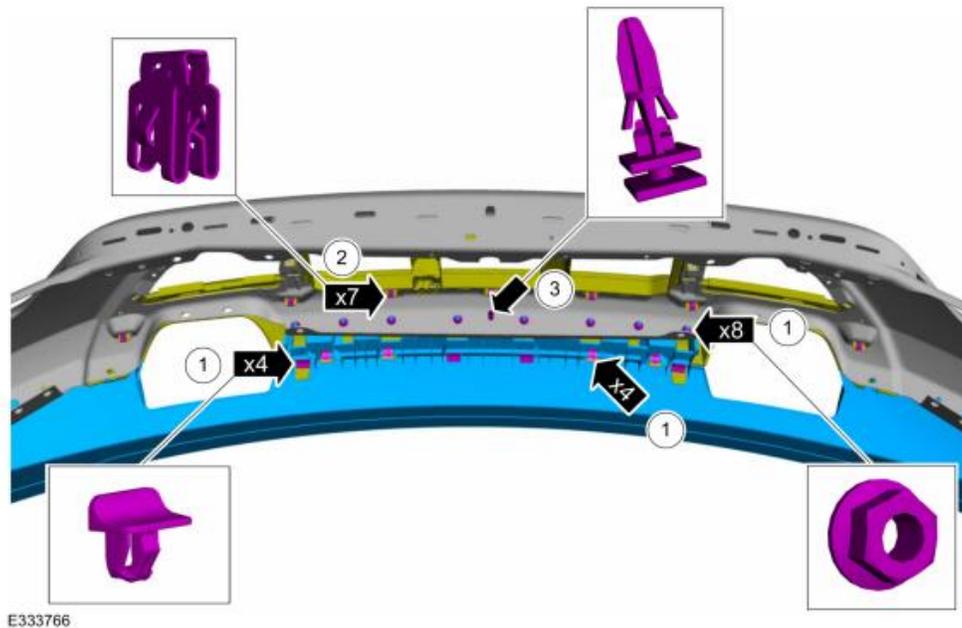
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Removal – Lower Bumper Valence & Bumper Cover

1. On both sides, remove the nuts and detach the retainer. Save nuts for installation. *Torque: 27 lb.in (3 Nm)*



2. 1. Remove the nuts, the push pins and release the tabs. Save nuts for installation. *Torque: 27 lb.in (3 Nm)*
 2. Release the clips and position the bumper cover aside.
 3. Detach the retainer and remove the front bumper lower valence panel.

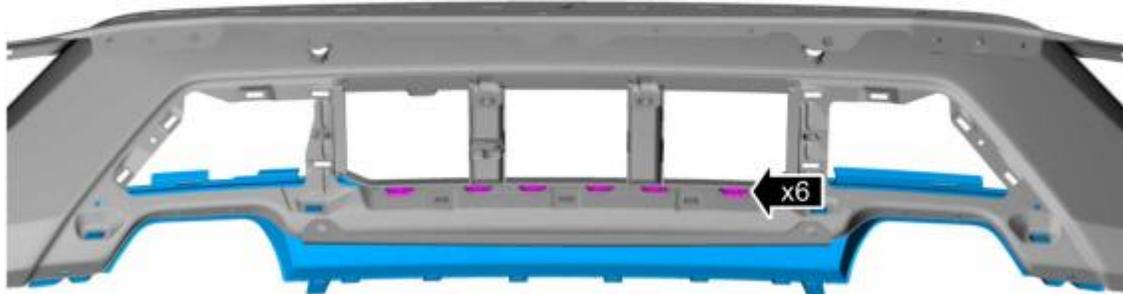


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3. Release the clips and remove the bumper cover.

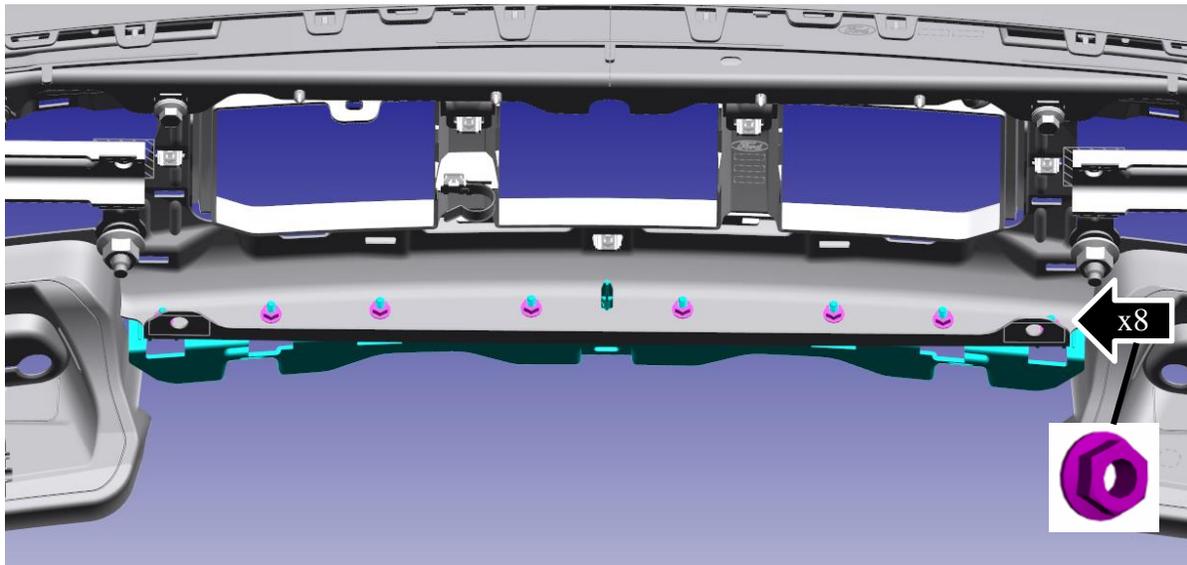


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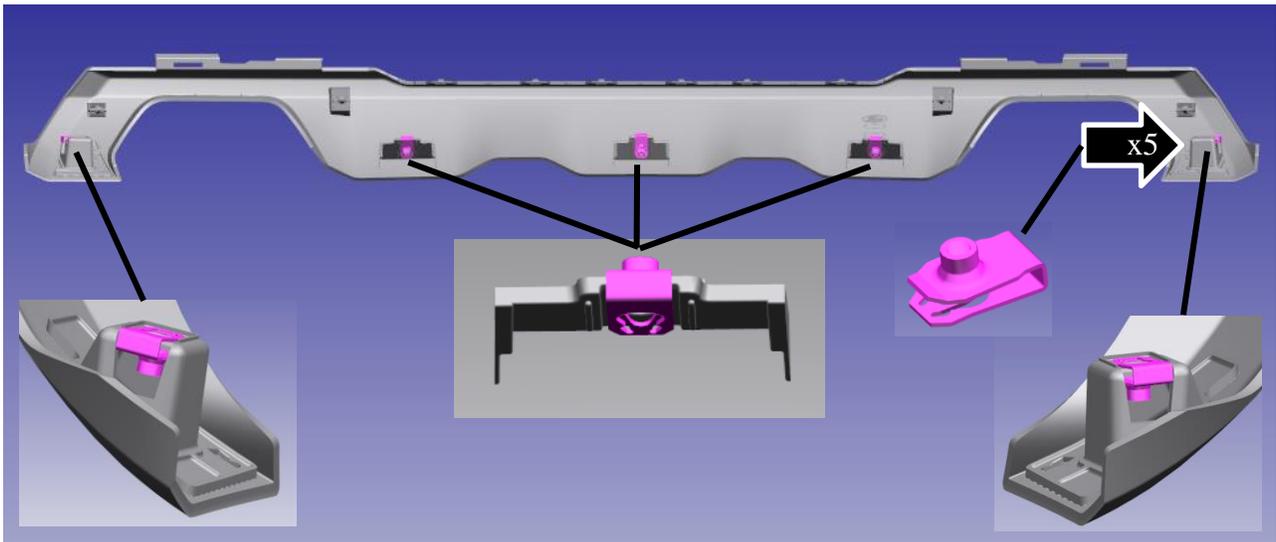
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Installation – Bumper Cover Stiffener & Bumper Cover

1. Attach the bumper cover stiffener to the underside of the bumper. Reuse the M6 nuts to secure the stiffener.



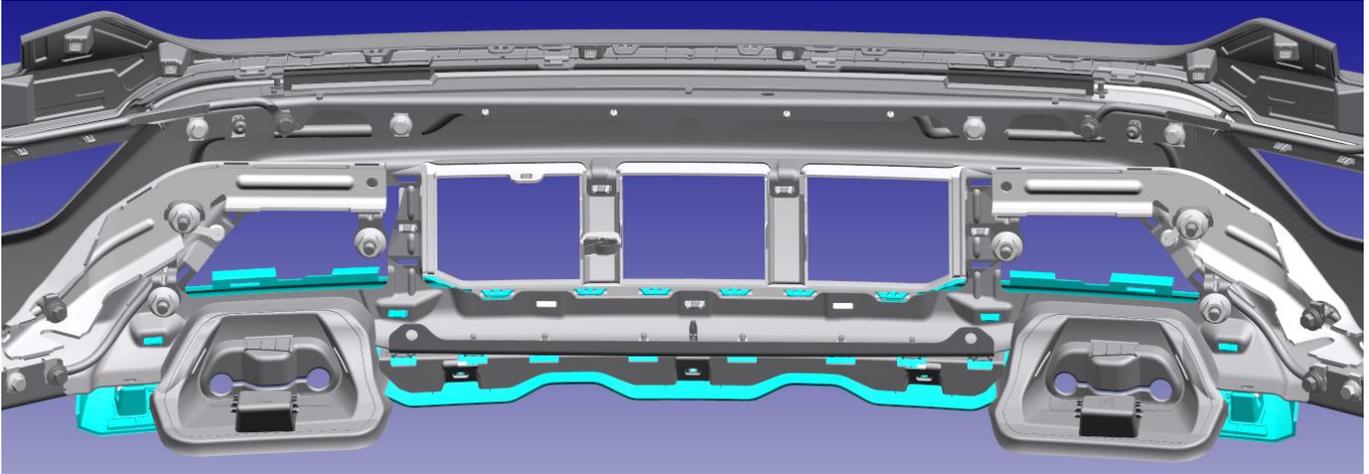
2. Attach the 5 J-clips to the kit bumper cover, as shown below.



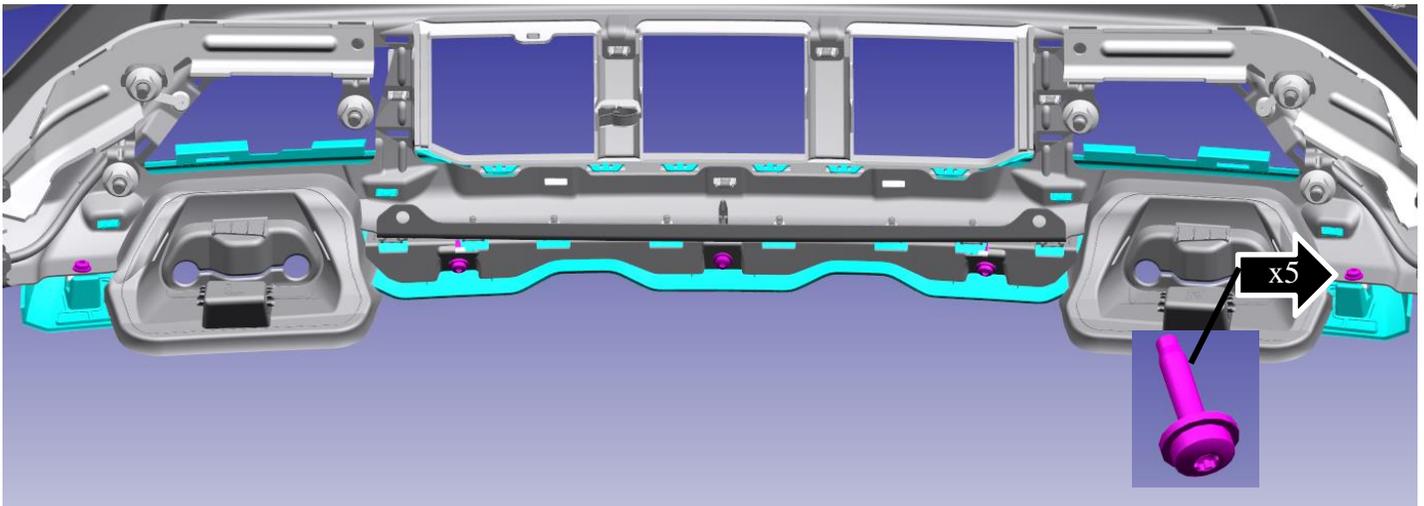
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3. Attach the kit bumper cover to the bumper.



4. Secure the kit bumper cover using the bolts and washers (M6x25).

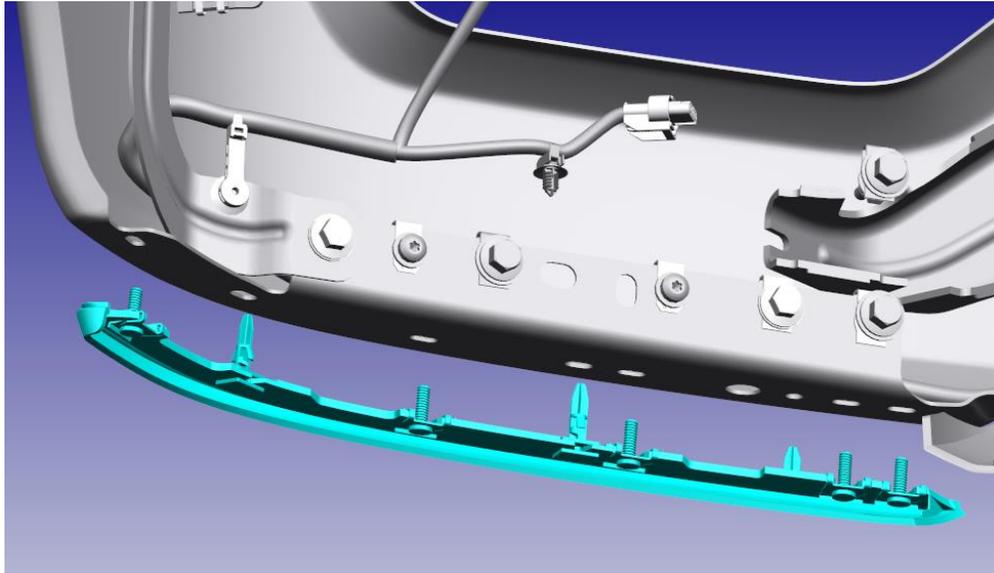


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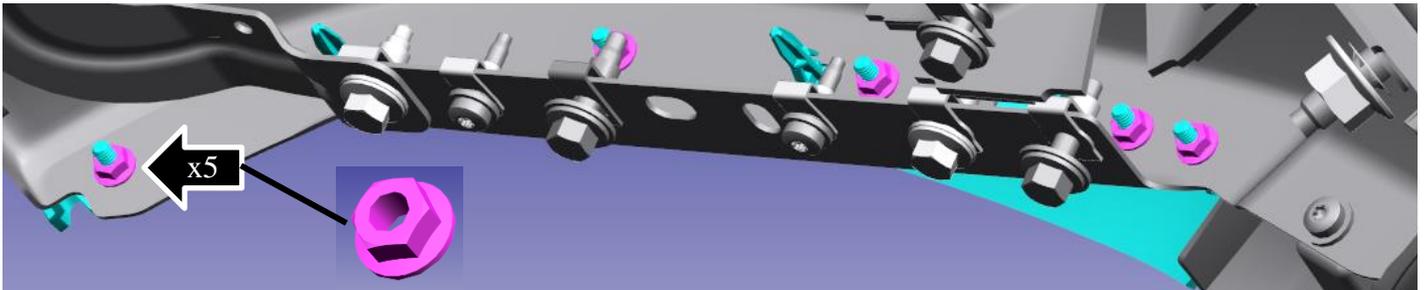
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Installation – Lower Valence Bumper Covers

1. Insert the lower valence bumper cover to the underside of the bumper (left side shown, right side similar).



2. Secure the lower valence bumper cover to the bumper reusing the M6 nuts (left side shown, right side similar).

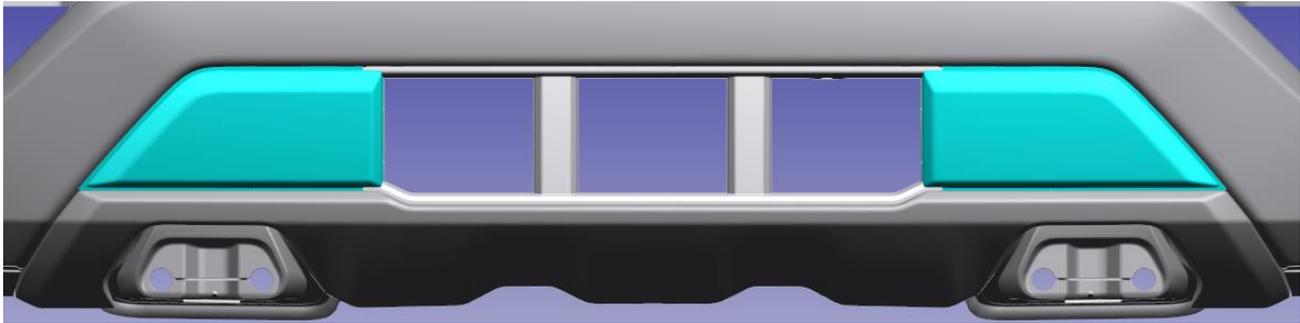


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Installation – Lower Bumper Caps

1. Insert the lower valence bumper cover to the underside of the bumper (left side shown, right side similar).



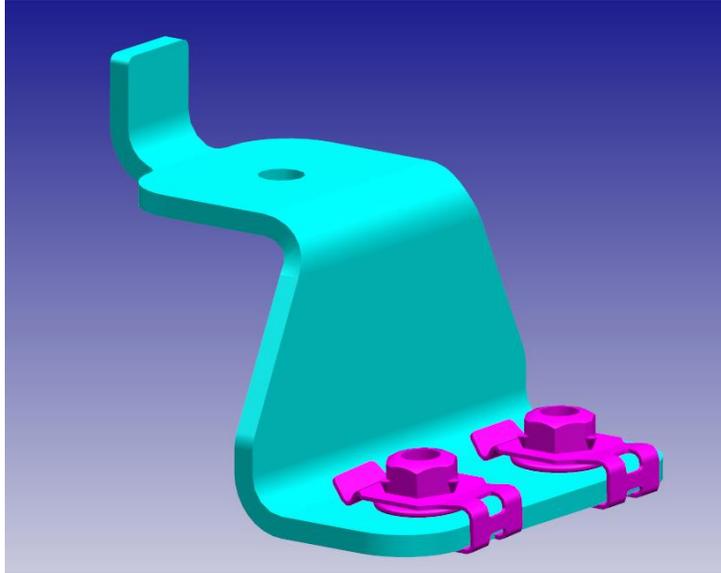
Installation – Bumper & Grille

1. To install the bumper and grille, reverse the removal procedure.

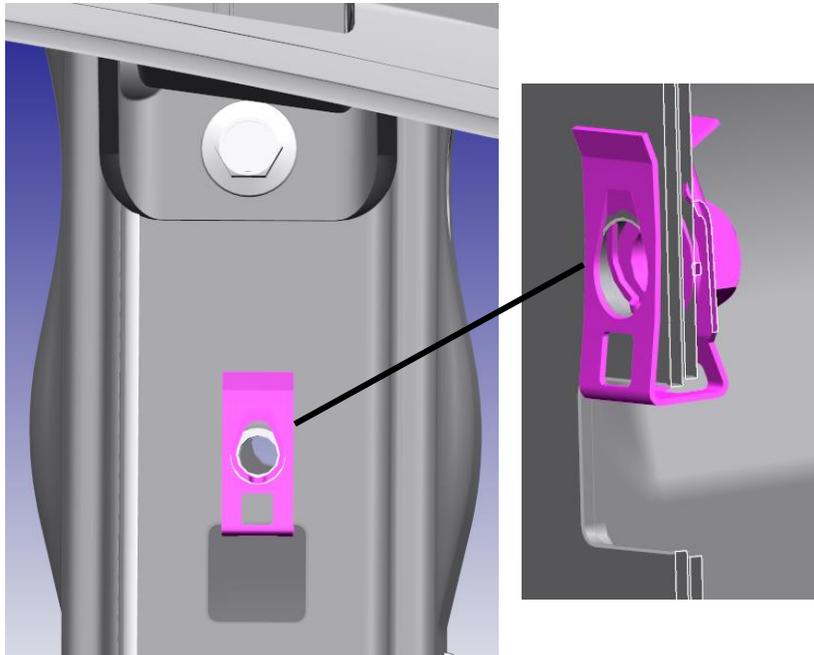
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Installation – Skid Plate

1. Attach the skid plate J-clips to the skid plate brackets in the orientation shown below. (left side shown, right side similar)



2. On both sides, attach the frame J-clips to the frame with the nut side of the clip facing into the frame. Cross section view shown for reference. (left side shown, right side similar).



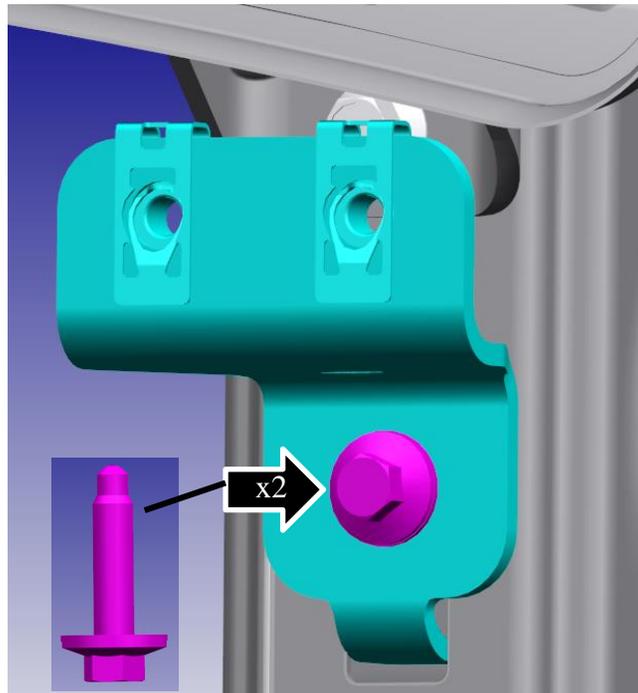
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3. On both sides, attach the skid plate J-clips to the frame with the nut side of the clip facing into the frame.



4. Attach the skid plate brackets to the frame using the bolts and washers (M10x35).
(left side shown, right side similar)



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5. Attach the skid plate to the frame using the bolts and washers (M10x35).

