

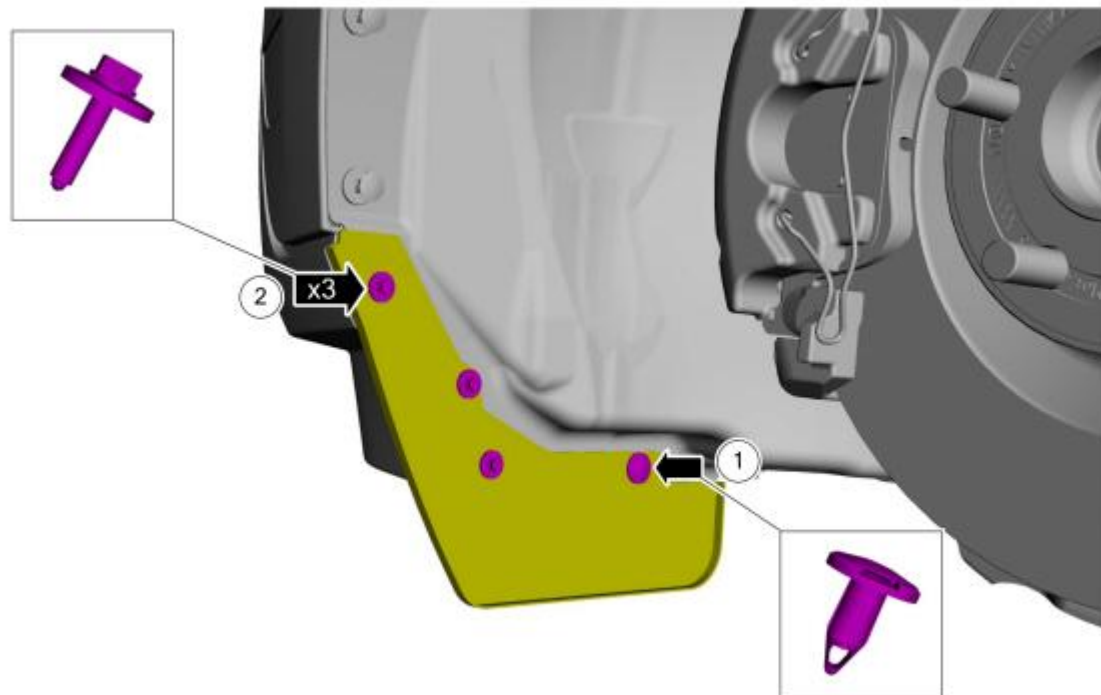
IS M-1447-MVBC

Front Bumper Cover

Removal

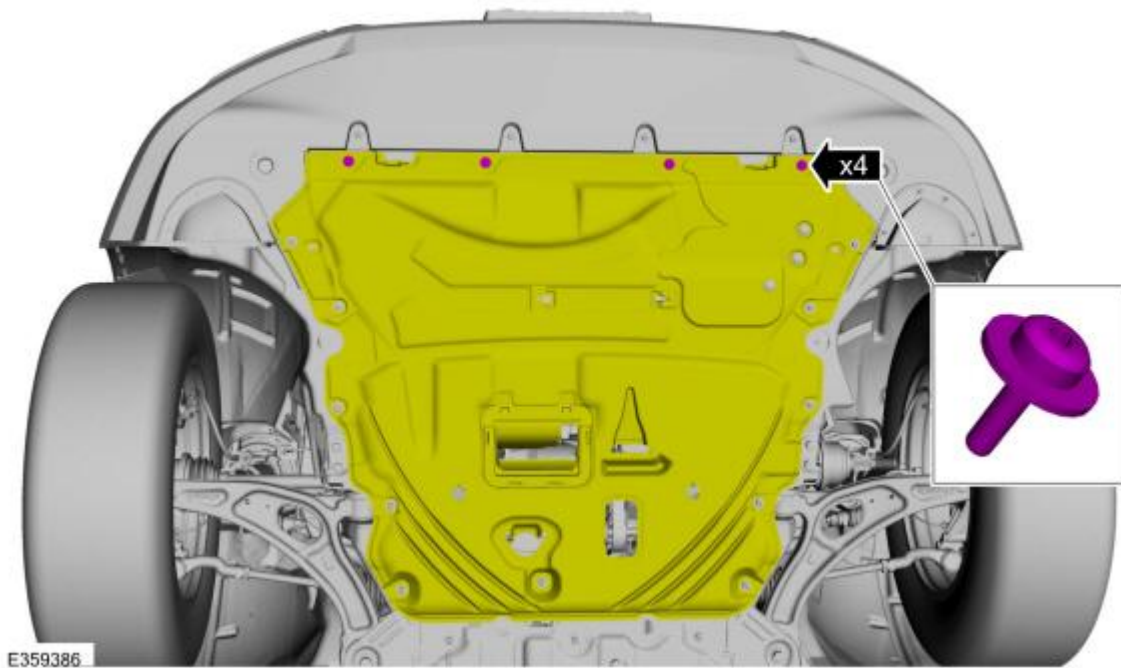
NOTE: Removal steps in this procedure may contain installation details.

1. With the vehicle in NEUTRAL, position it on a hoist.
Refer to: Jacking and Lifting (100-02 Jacking and Lifting, Description and Operation).
2. On both sides.
 1. Remove the push pin.
 2. Remove the screws.
Torque: 13 lb.in (1.5 Nm)

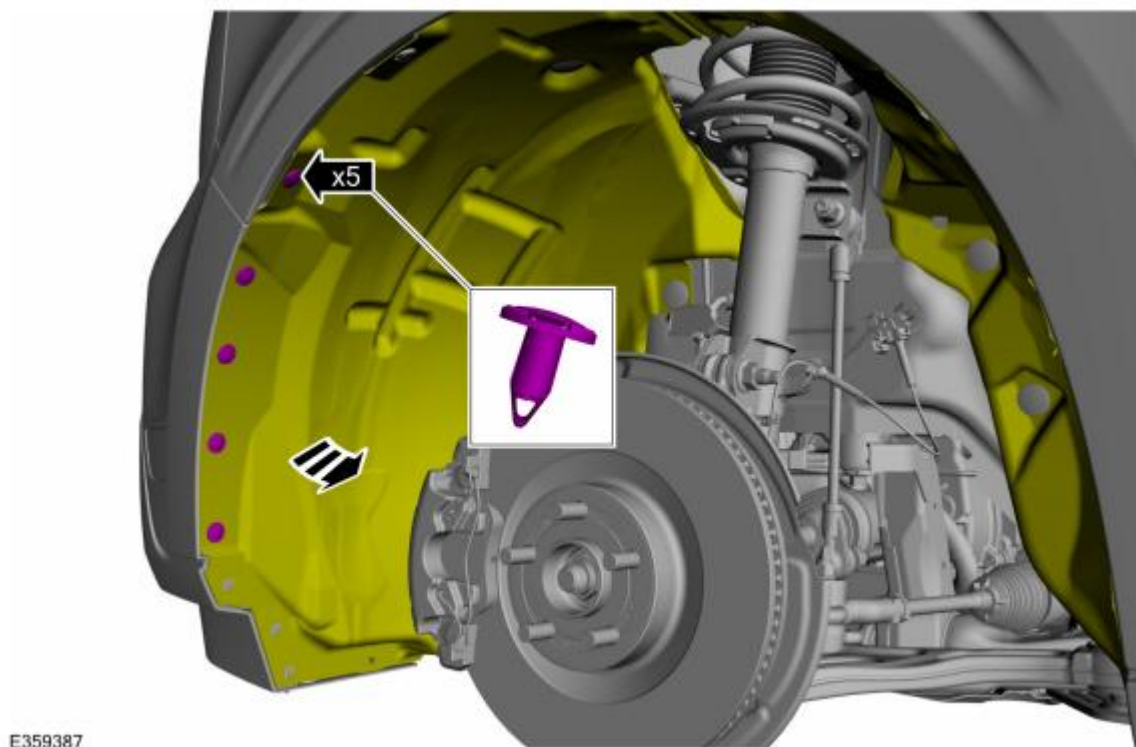


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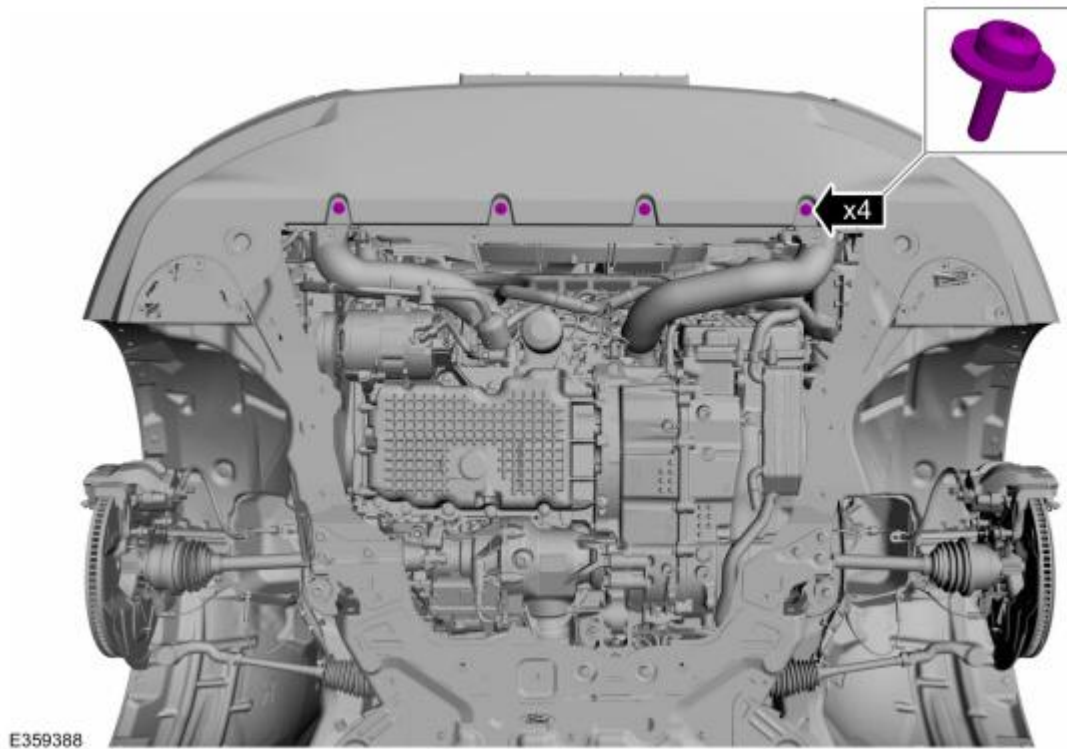
3. Remove the screws and position aside the engine undershield.
Torque: 19 lb.in (2.2 Nm)



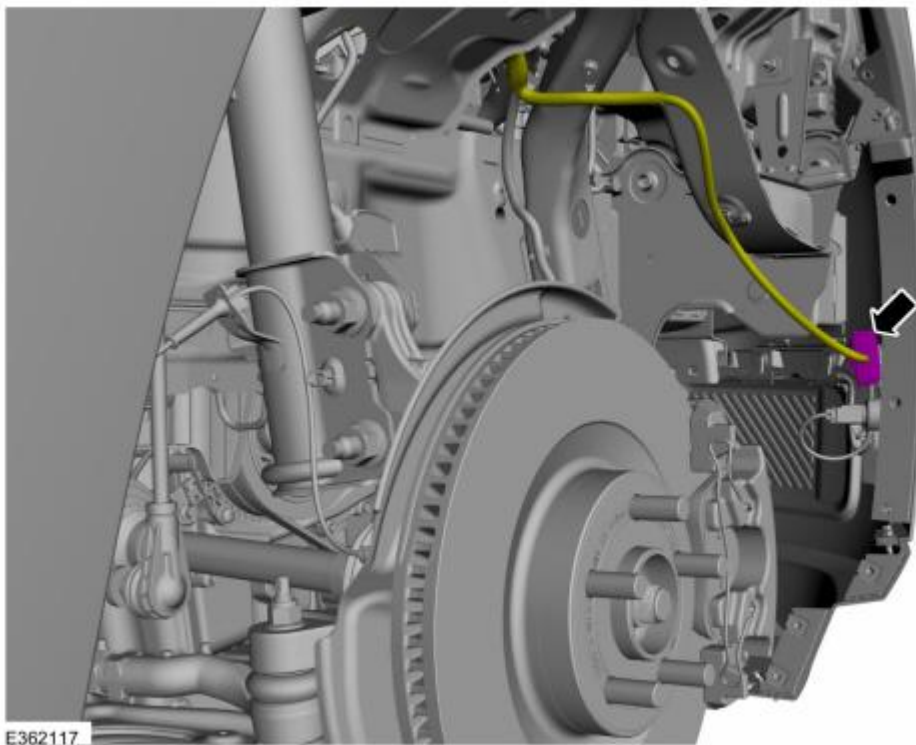
4. On both sides.
Remove the push pins and position the fender liner aside.



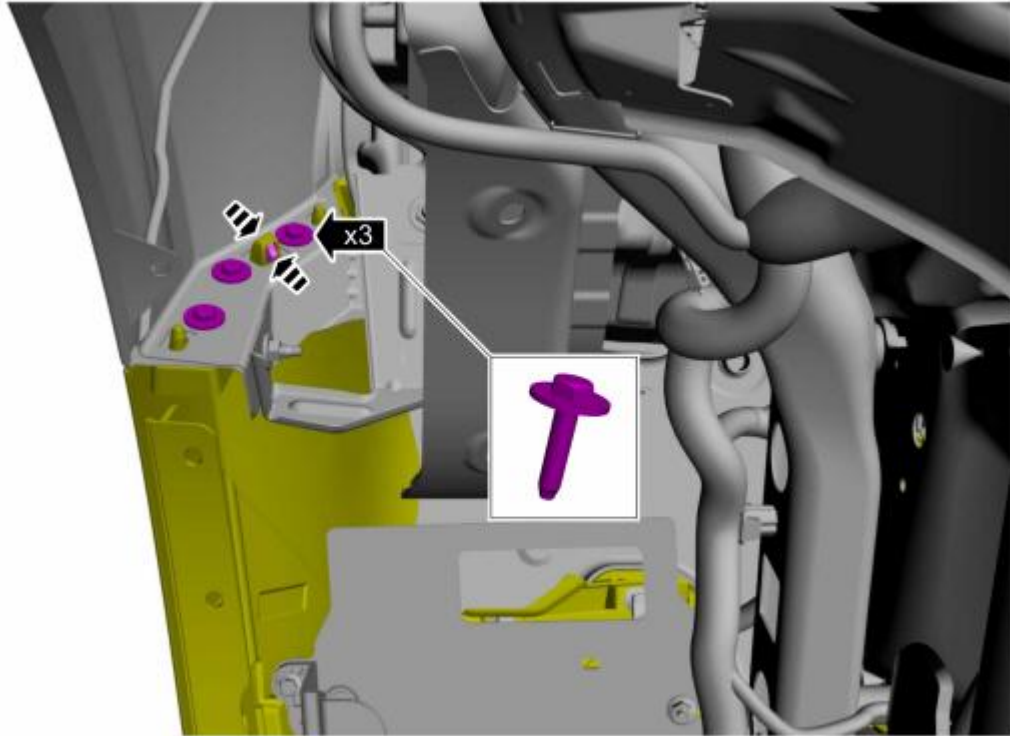
5. Remove the screws.
Torque: 13 lb.in (1.5 Nm)



6. Disconnect the front bumper cover harness electrical connector.

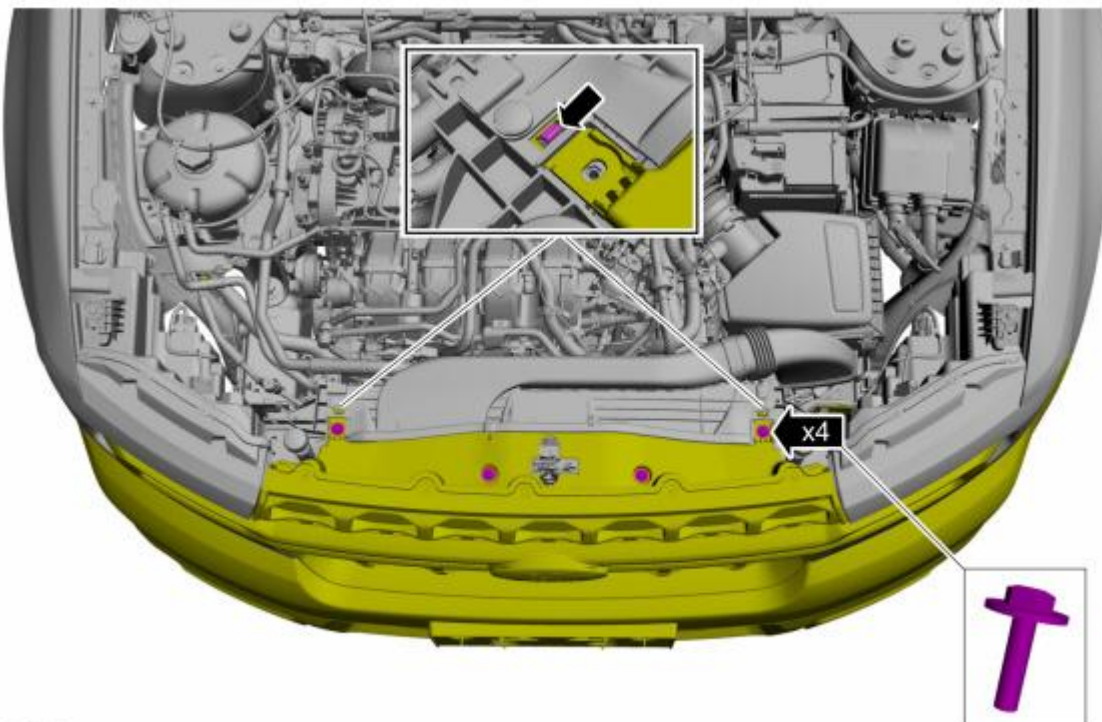


7. On both sides.
Remove the front bumper cover to fender bracket bolts and release the tab.
Torque: 53 lb.in (6 Nm)



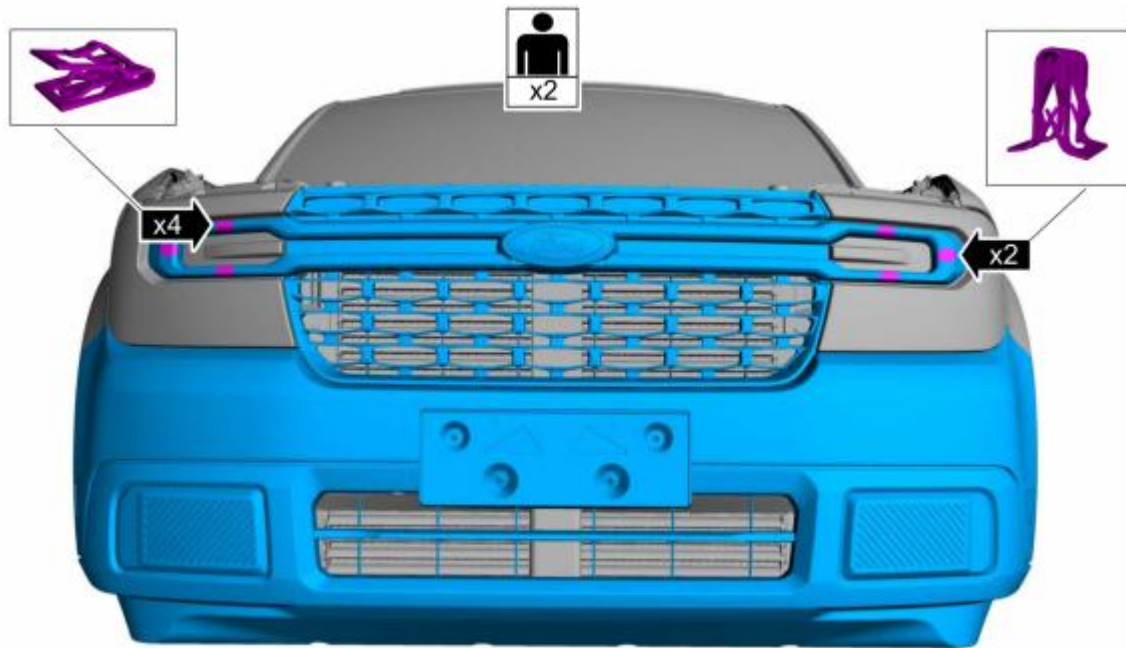
E359389

8. Remove the screws and release the tabs.
Torque: 36 lb.in (4.1 Nm)



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9. **NOTE:** *This step requires the aid of another technician.*
Release the clips and remove the front bumper cover.



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Installation

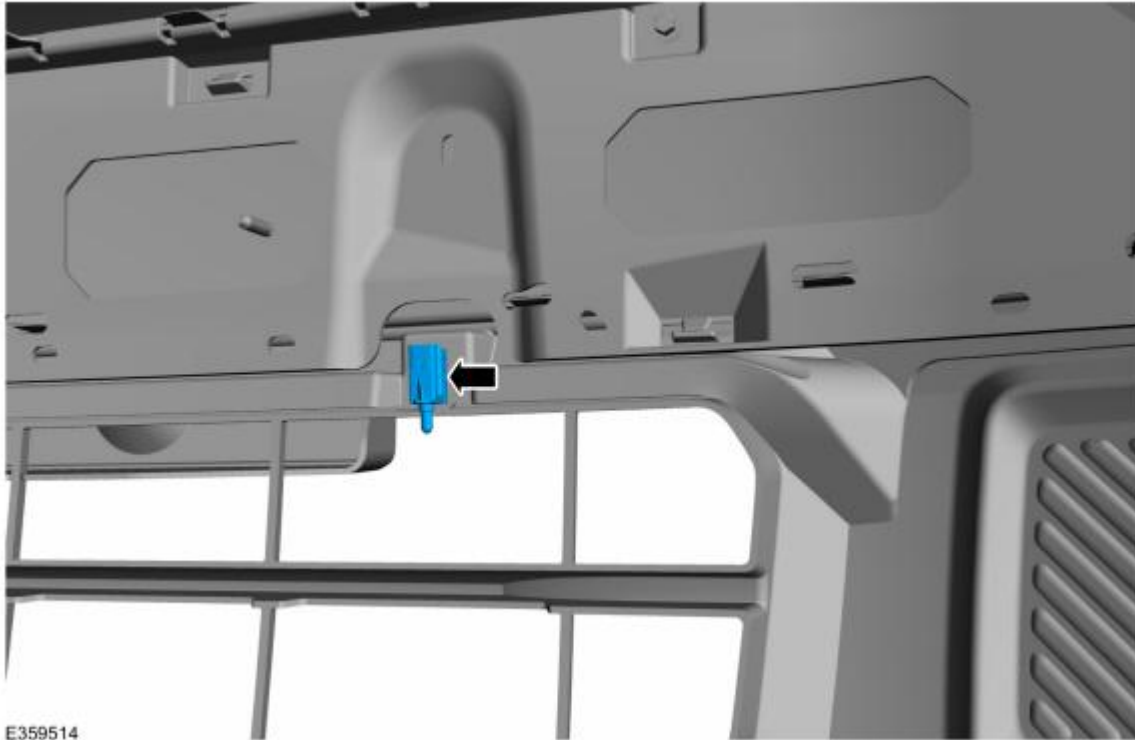
1. To install, reverse the removal procedure.

DISASSEMBLY

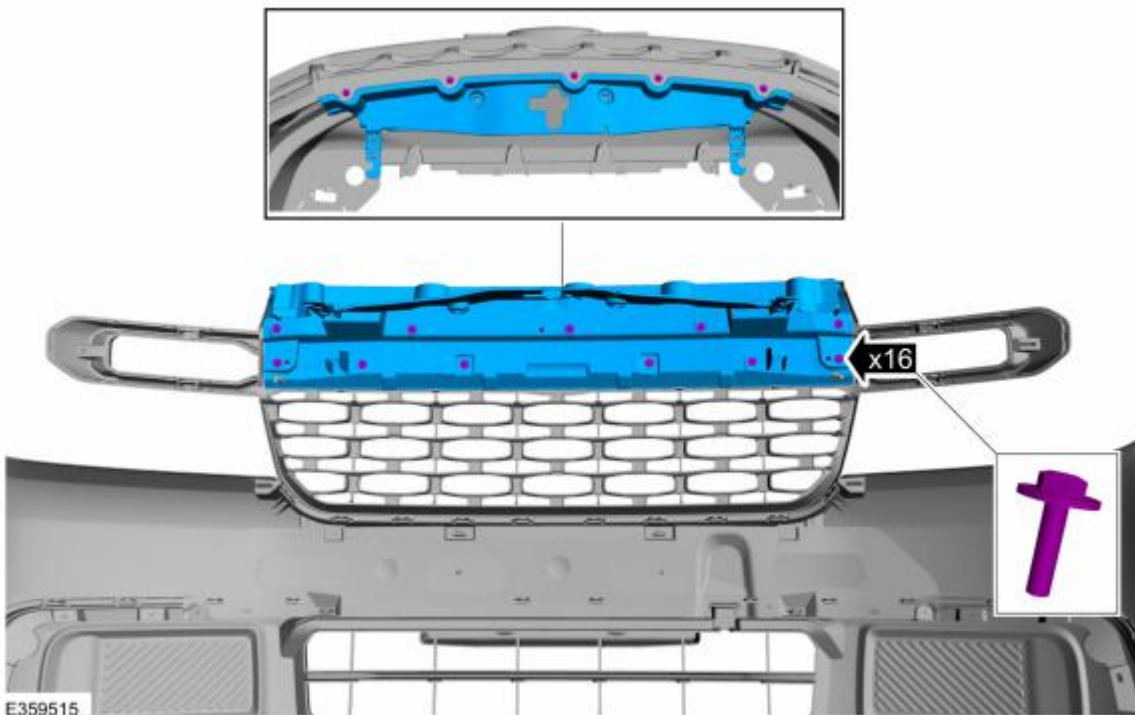
NOTE: *Disassembly steps in this procedure may contain assembly details.*

NOTE: *The number and location of electrical connectors will vary depending on option content.*

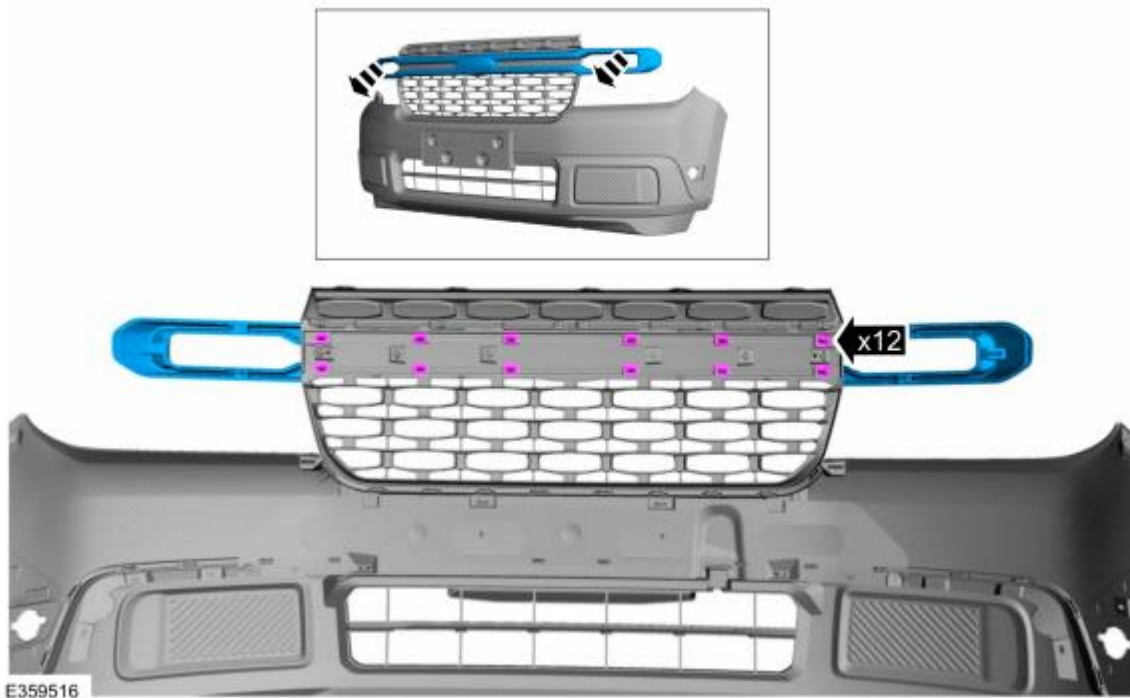
5. Detach and remove the ambient air temperature sensor.



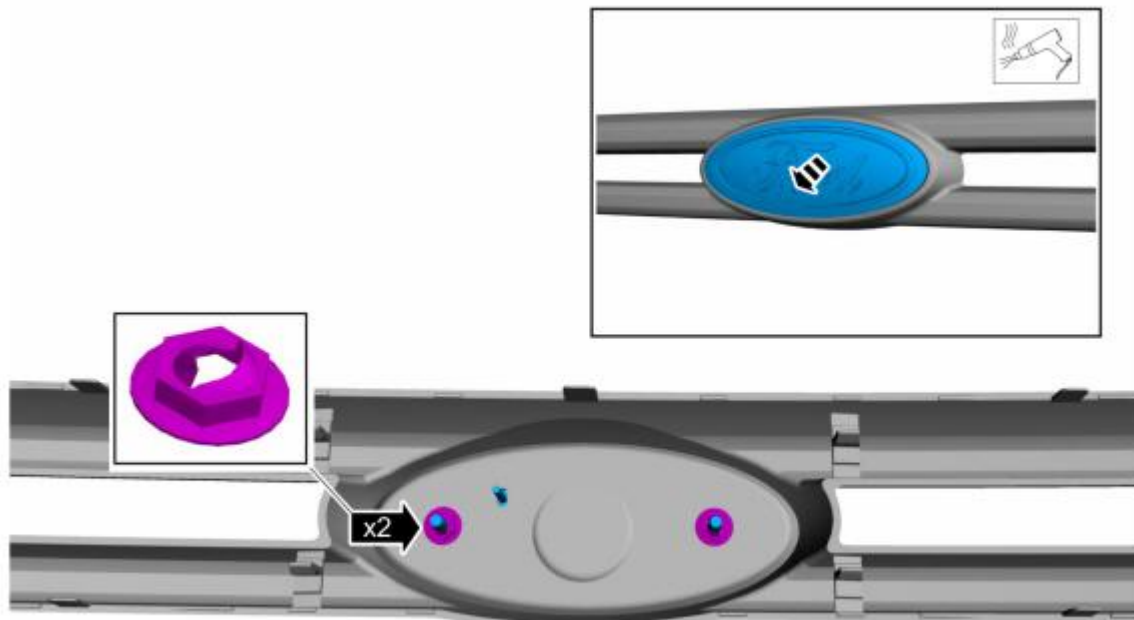
6. Remove the screws and the front bumper cover reinforcement mounting bracket.
Torque: 18 lb.in (2 Nm)



7. Release the tabs and remove the radiator grille molding.



8. Remove the push nuts and the front bumper cover emblem.
Use the General Equipment: Hot Air Gun



ASSEMBLY

1. To assemble, reverse the disassembly procedure.

Rear Parking Aid Camera

Removal

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

1. Remove the screws and the tailgate access panel.
Torque: 22 lb.in (2.5 Nm)



E357648

2. Disconnect the electrical connector, remove the nuts, release the clip and remove the rear badge assembly.
Torque: 36 lb.in (4.1 Nm)



E357656

Installation

1. To install, reverse the removal procedure.
2. Initialize the rear view camera.
Refer to: Parking Aid Camera Initialization (413-13) .

Parking Aid Camera Initialization

1. Using a scan tool, select the controlling module for the parking aid camera(s).
 1. Refer to the wiring diagram to identify the camera controlling module.
Refer to Wiring Diagrams Cell [145](#) for schematic and connector information.
 2. Select the controlling module on the diagnostic scan tool screen.
2. Carry out the LIN new module initialization.
3. Follow the on-screen instructions.
4. Check the vehicle for the active guidelines option. Refer to description and operation in the appropriate vehicle section.
5. If equipped with active guidelines, drive the vehicle on a flat, smooth road at 32 km/h (20 mph) or more, with hands placed loosely on the steering wheel and minimal steering correction for approximately 30 seconds