

Front Bumper Cover

Special Tool(s) / General Equipment

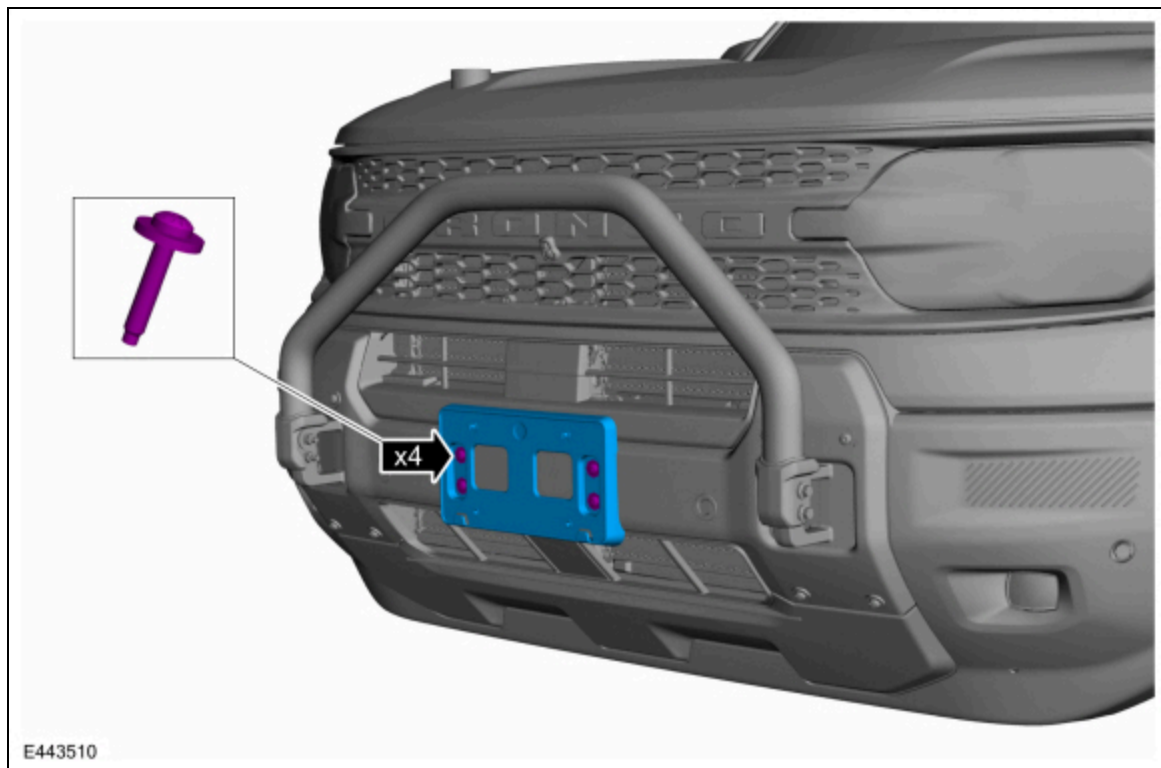
Interior Trim Remover

Removal

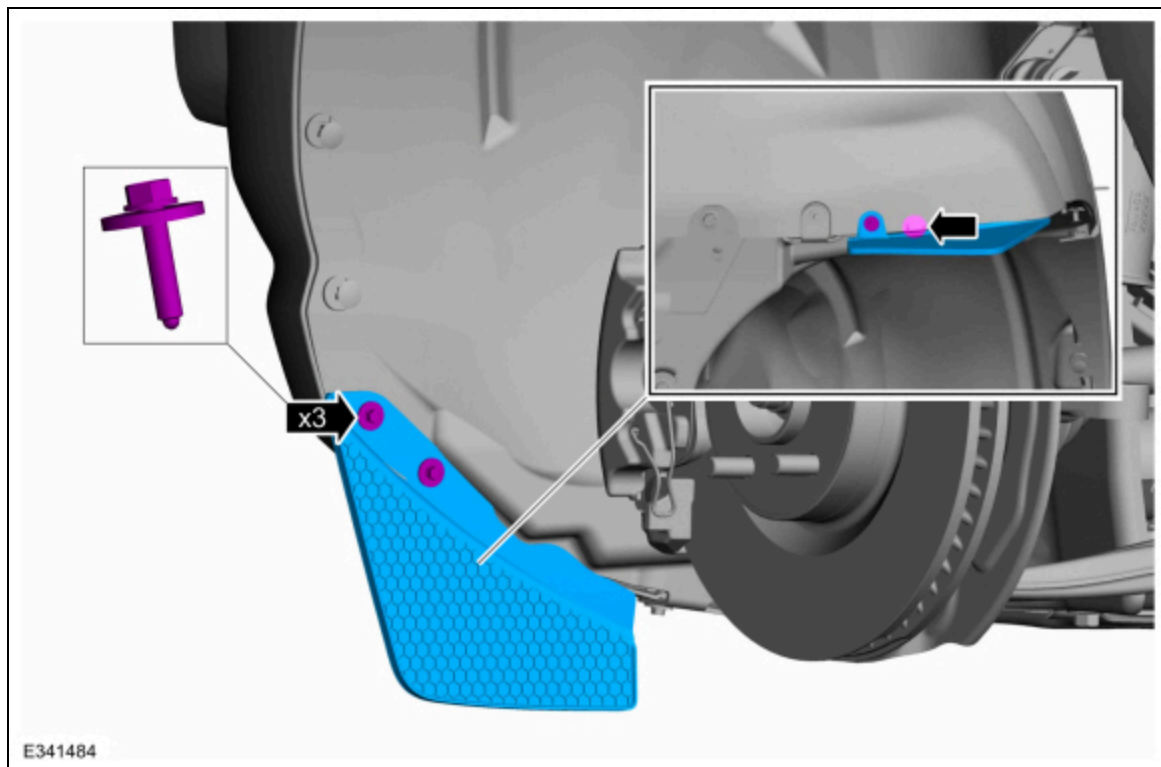
NOTE: Removal steps in this procedure may contain installation details.

All vehicles

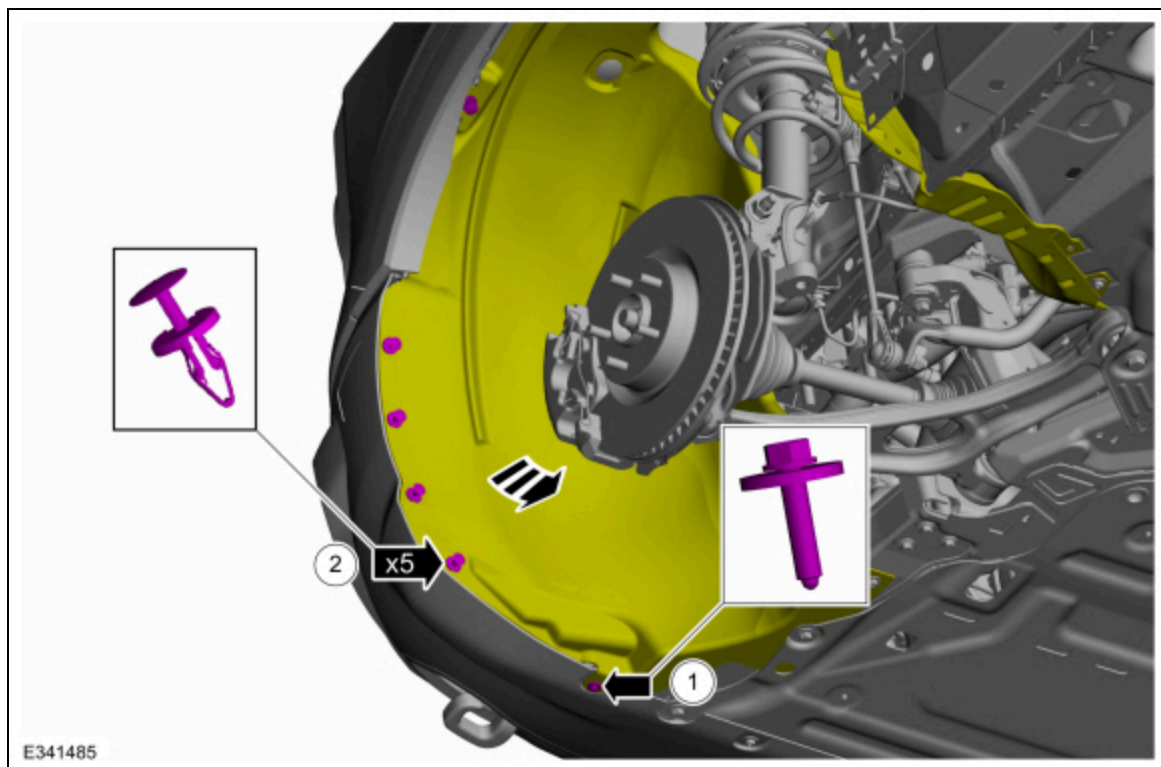
1. Remove the front wheels and tires.
Refer to: [Wheel and Tire](#) (204-04A Wheels and Tires, Removal and Installation).
2. Remove the screws and the license plate bracket.
Torque: 18 lb.in (2 Nm)



3. If equipped, on both sides.
Remove the screws, release the tab and remove the stone deflector.
Torque: 18 lb.in (2 Nm)

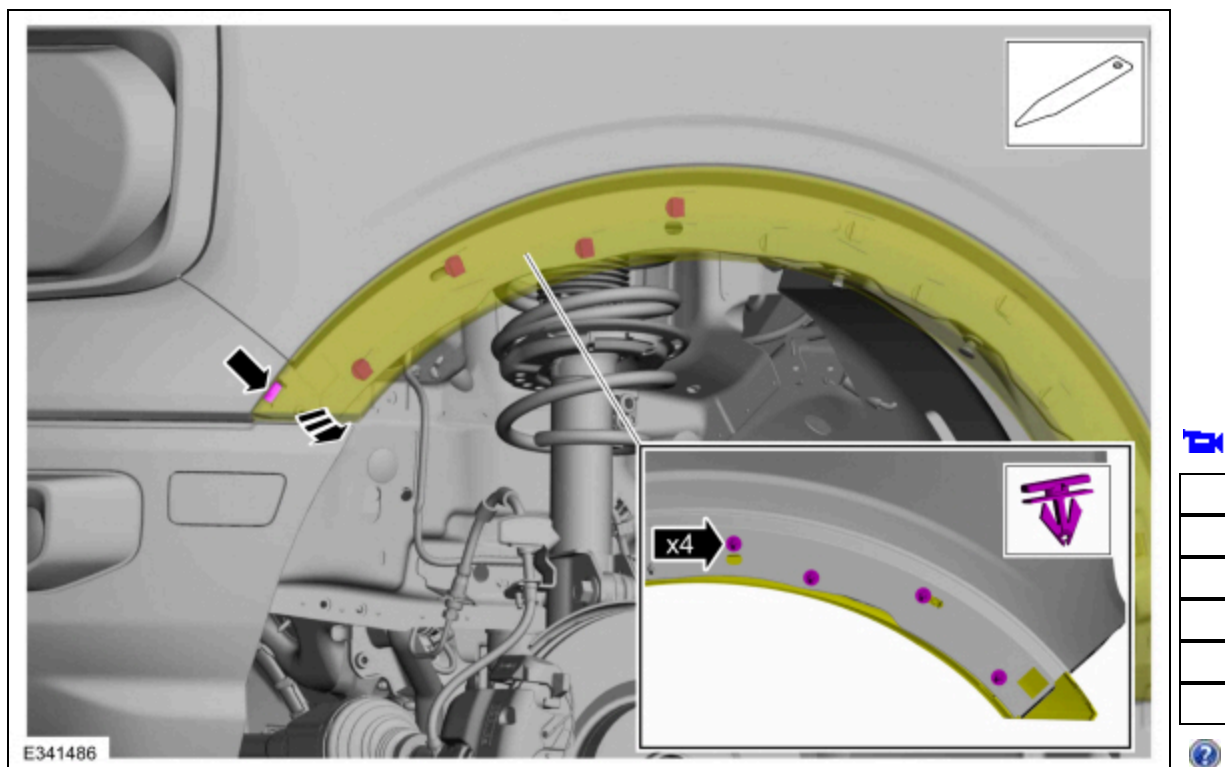


4. If equipped, on both sides.
1. Remove the screw.
Torque: 18 lb.in (2 Nm)
 2. Remove the push pins and position the fender liner aside.

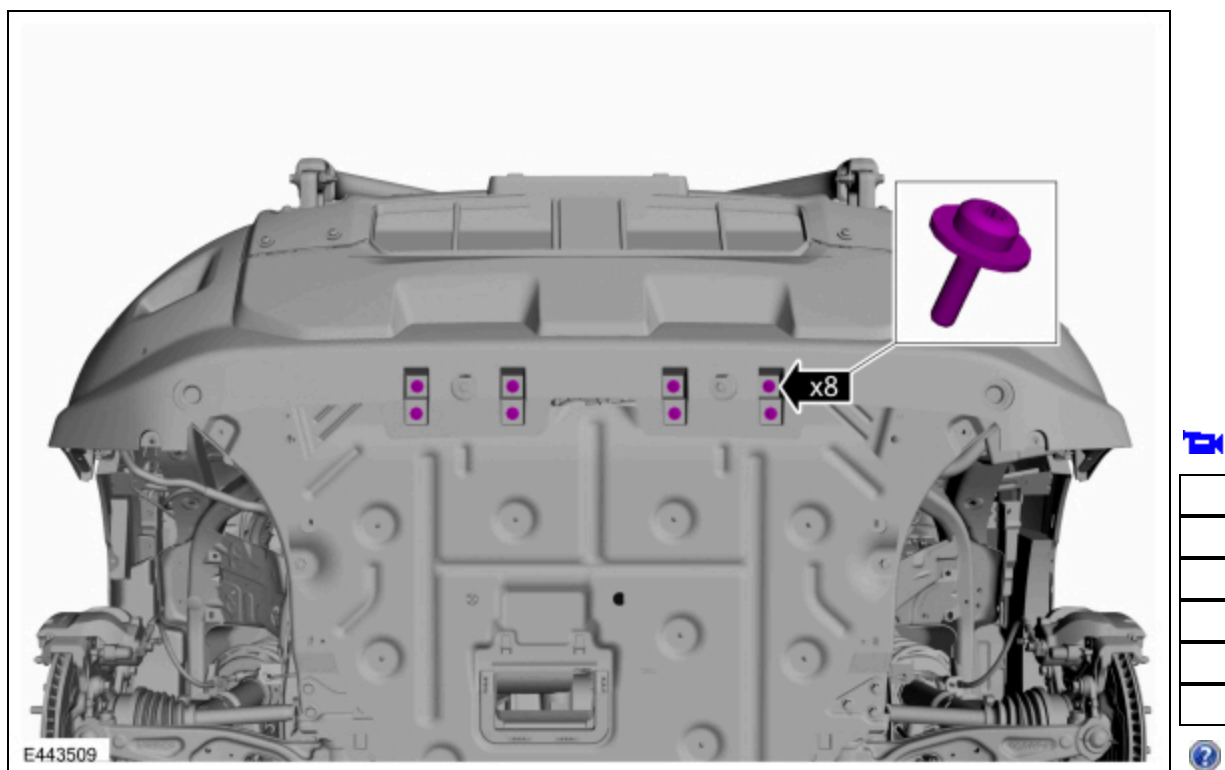


5. **NOTE:** The component should be reused unless damaged.

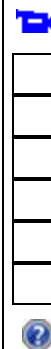
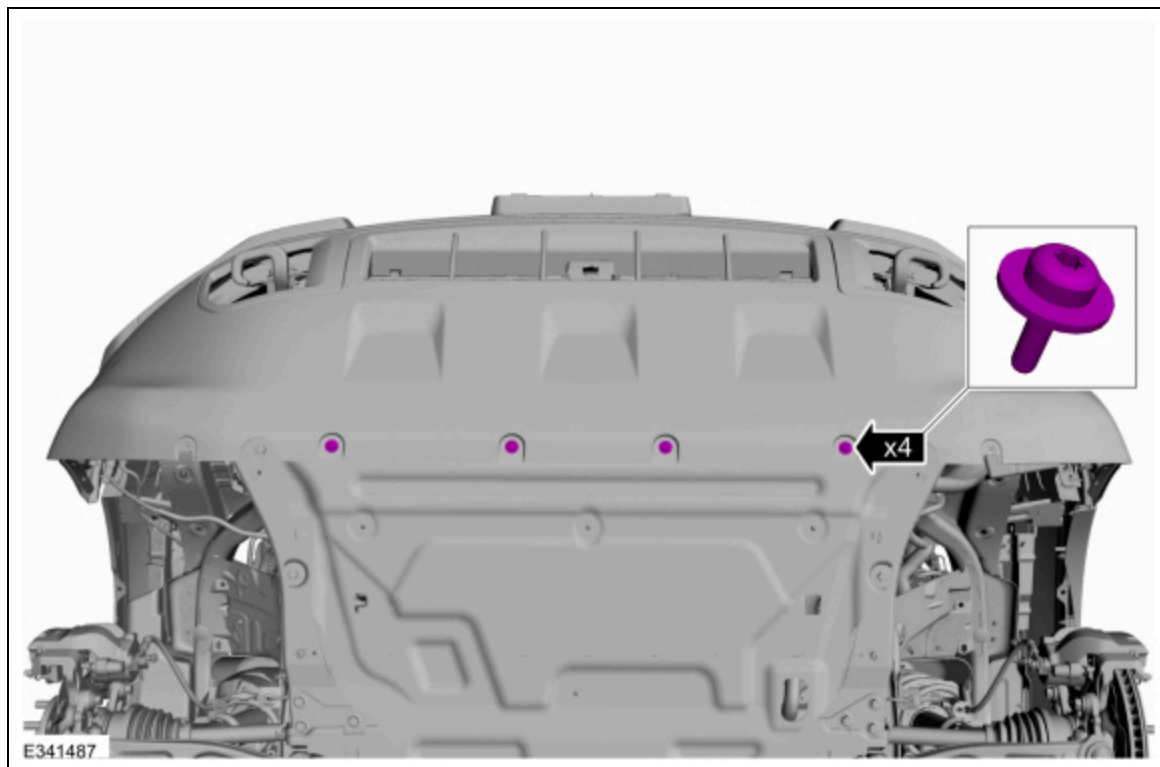
On both sides.
Release the clips and position the front fender moulding aside.
Use the General Equipment: Interior Trim Remover



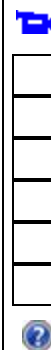
6. Remove the screws.
Torque: 18 lb.in (2 Nm)



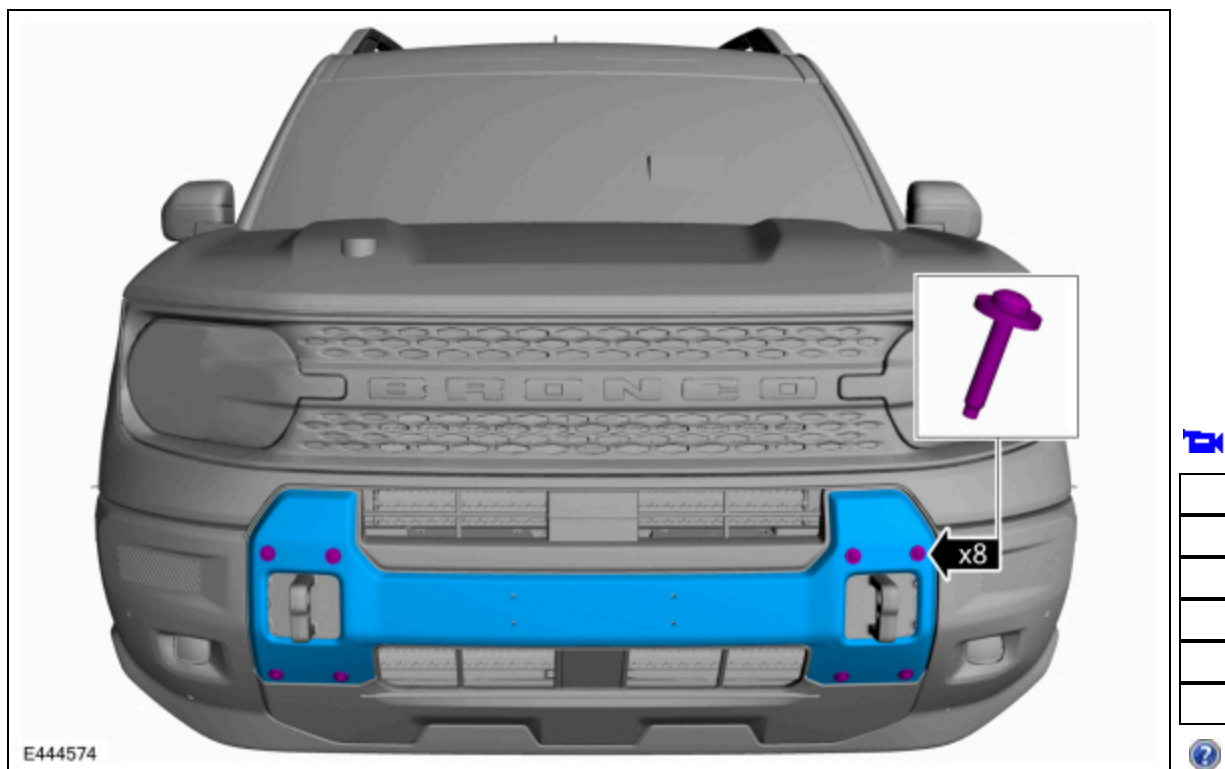
7. If equipped.
Remove the screws.
Torque: 18 lb.in (2 Nm)



8. If equipped.
Remove the screws and front cross member assembly.
Torque: 26 lb.ft (35 Nm)

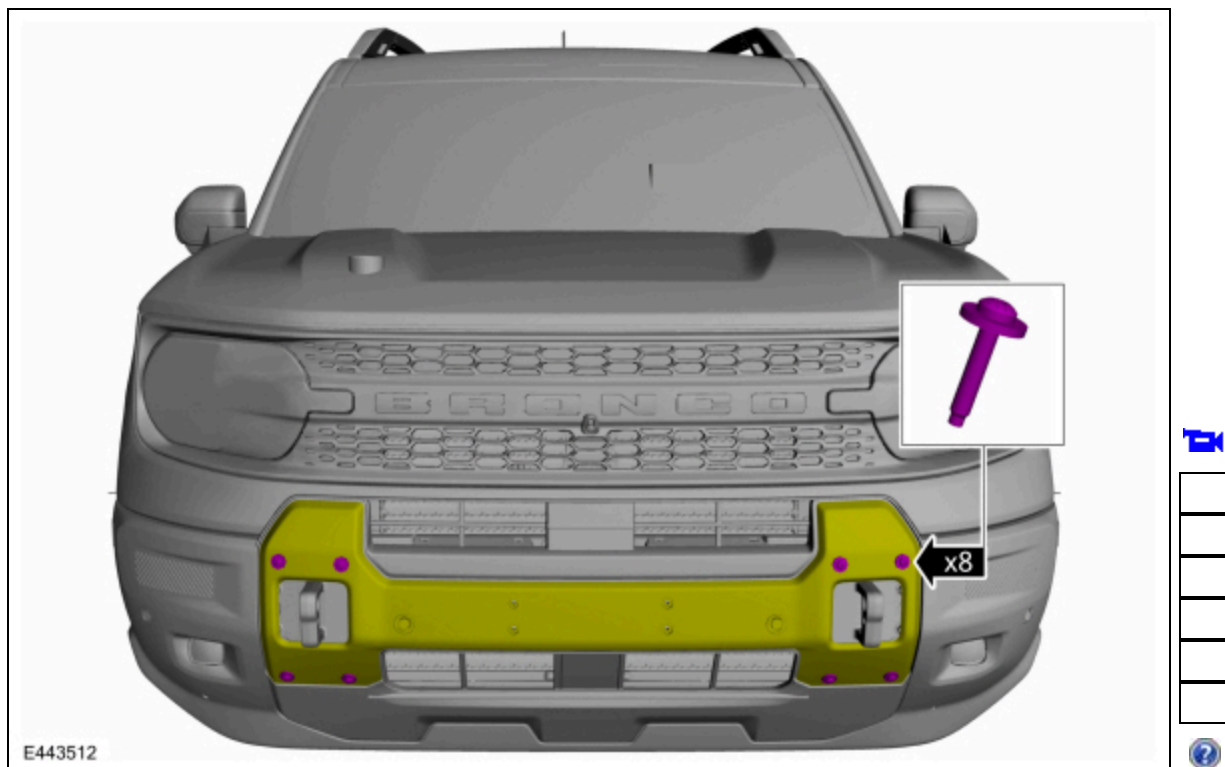


9. Remove the screws and remove the front protect bumper.
Torque: 177 lb.in (20 Nm)

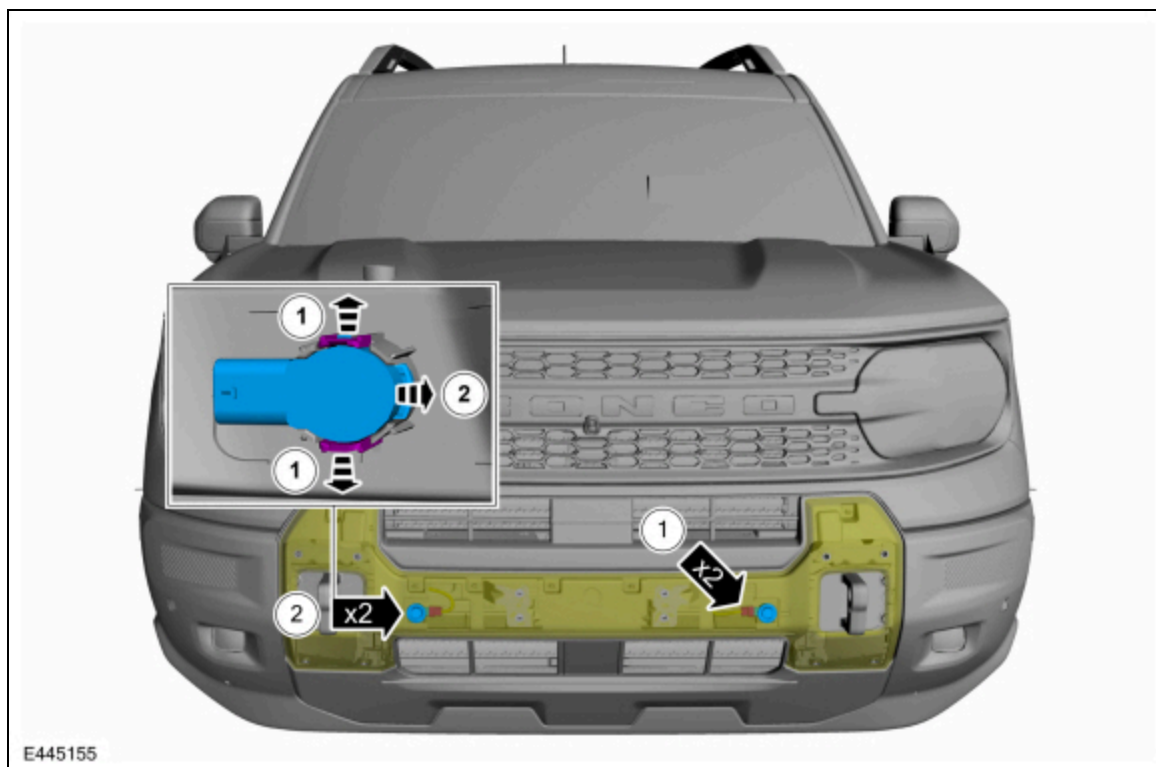


Vehicles With: Front Parking Aid

10. Remove the screws and position the front protect bumper.
Torque: 177 lb.in (20 Nm)



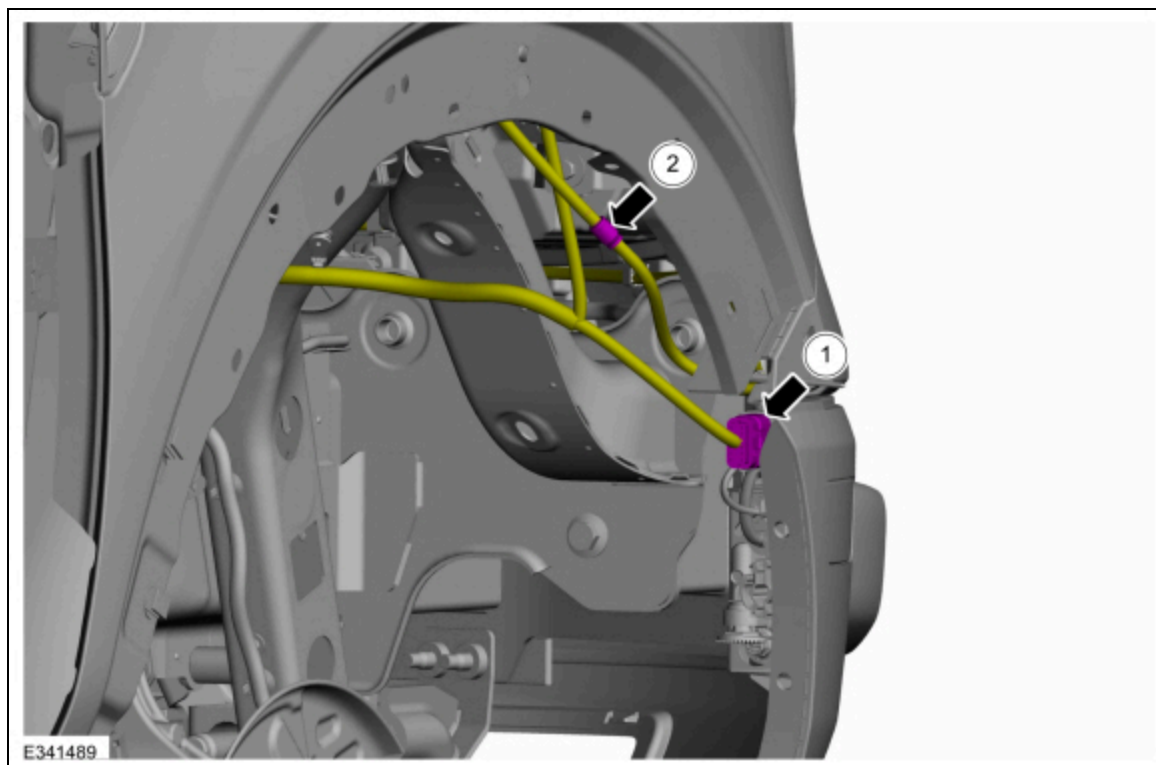
11.
 1. Disconnect the electrical connectors.
 2. Remove the front parking aid sensors and the front protect bumper.



All vehicles

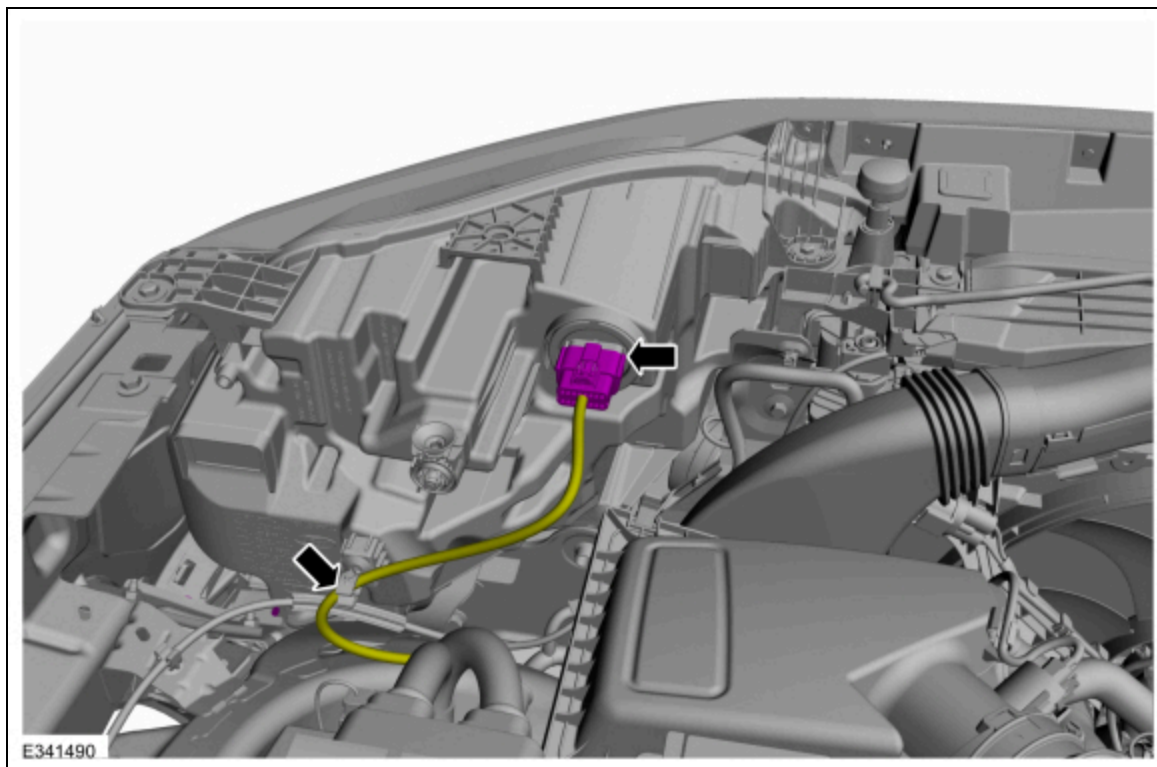
12.

1. Disconnect the front bumper cover harness electrical connector.
2. Disconnect the camera washer hose and plug the washer hose end.

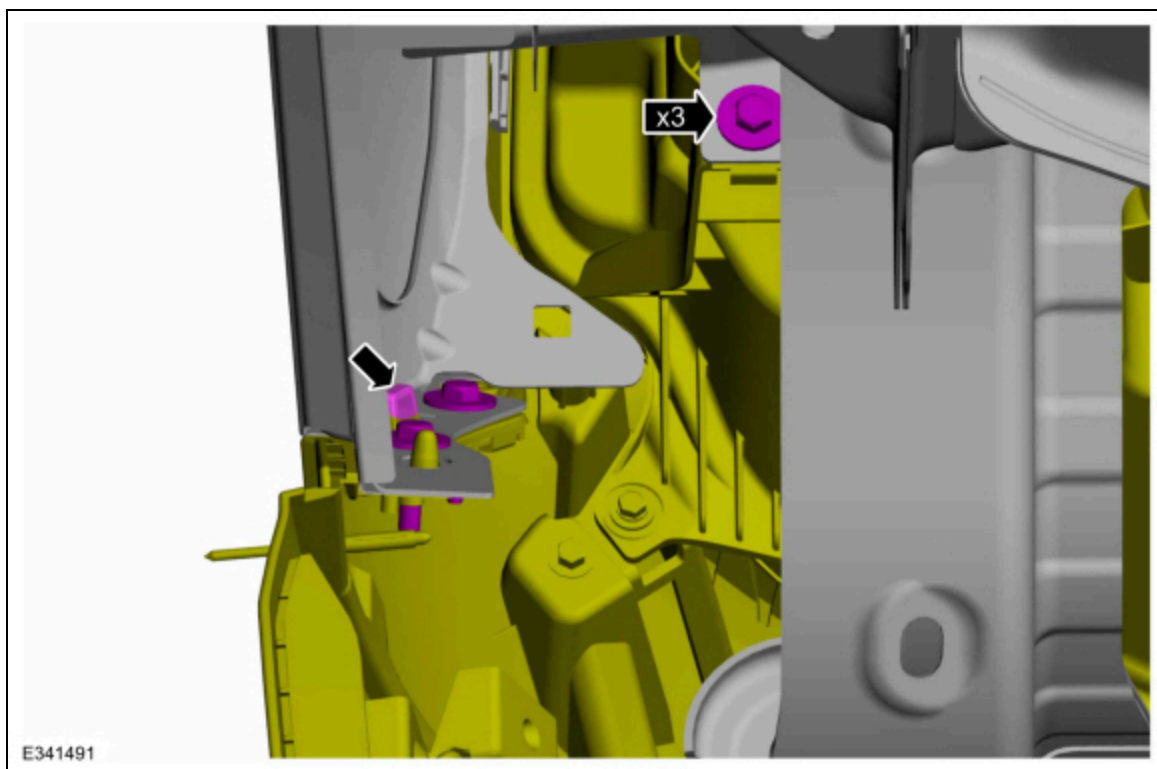


13. On both sides.

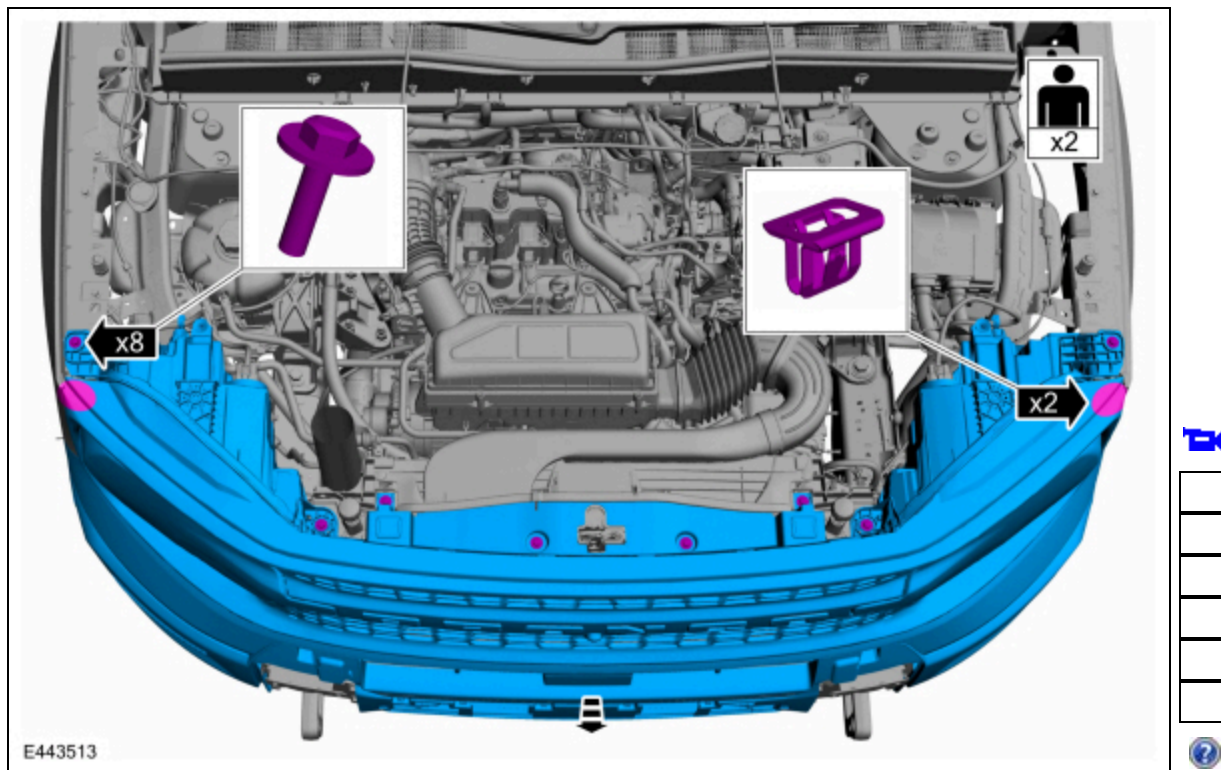
Disconnect the headlamp assembly electrical connector and position the wiring harness aside.



14. On both sides.
Remove the front bumper cover to fender bracket bolts and release the tab.
Torque: 62 lb.in (7 Nm)



15. **NOTE:** *This step requires the aid of another technician.*
Remove the screws, release the clips and remove the front bumper cover.
Torque: 35 lb.in (4 Nm)



Installation

All vehicles

1. To install, reverse the removal procedure.

Vehicles With: Front Fog Lamps

2. If replacing the front bumper cover.
Adjust the fog lamp.
Refer to: [Front Fog Lamp Adjustment](#) (417-01 Exterior Lighting, General Procedures).

Vehicles With: Front Parking Aid

3. If replacing the front bumper cover.
Check the alignment of the front parking aid sensors.
Refer to: [Azimuth System Check](#) (413-13A Parking Aid - Vehicles With: Front Parking Aid/Rear Parking Aid, General Procedures).
Refer to: [Elevation System Check](#) (413-13A Parking Aid - Vehicles With: Front Parking Aid/Rear Parking Aid, General Procedures).
4. If any sensor fails the check, diagnose the sensor fault.
Refer to: [Parking Aid](#) (413-13A Parking Aid - Vehicles With: Front Parking Aid/Rear Parking Aid, Diagnosis and Testing).

Vehicles With: Parking Aid Camera

5. **NOTE:** Carry out the following step if installing a new front camera.

Initialize the camera.

Refer to: [Parking Aid Camera Initialization - Vehicles With: Digital Rear View Camera](#) (413-13B Parking Aid - Vehicles With: 360 Degree Camera/Digital Rear View Camera, General Procedures).

6. Carry out the 360° camera alignment.
Refer to: [360 Degree View Camera Alignment - Vehicles With: 360 Degree Camera](#) (413-13B Parking Aid - Vehicles With: 360 Degree Camera/Digital Rear View Camera, General Procedures).

