

501-19 Bumpers
Removal and Installation

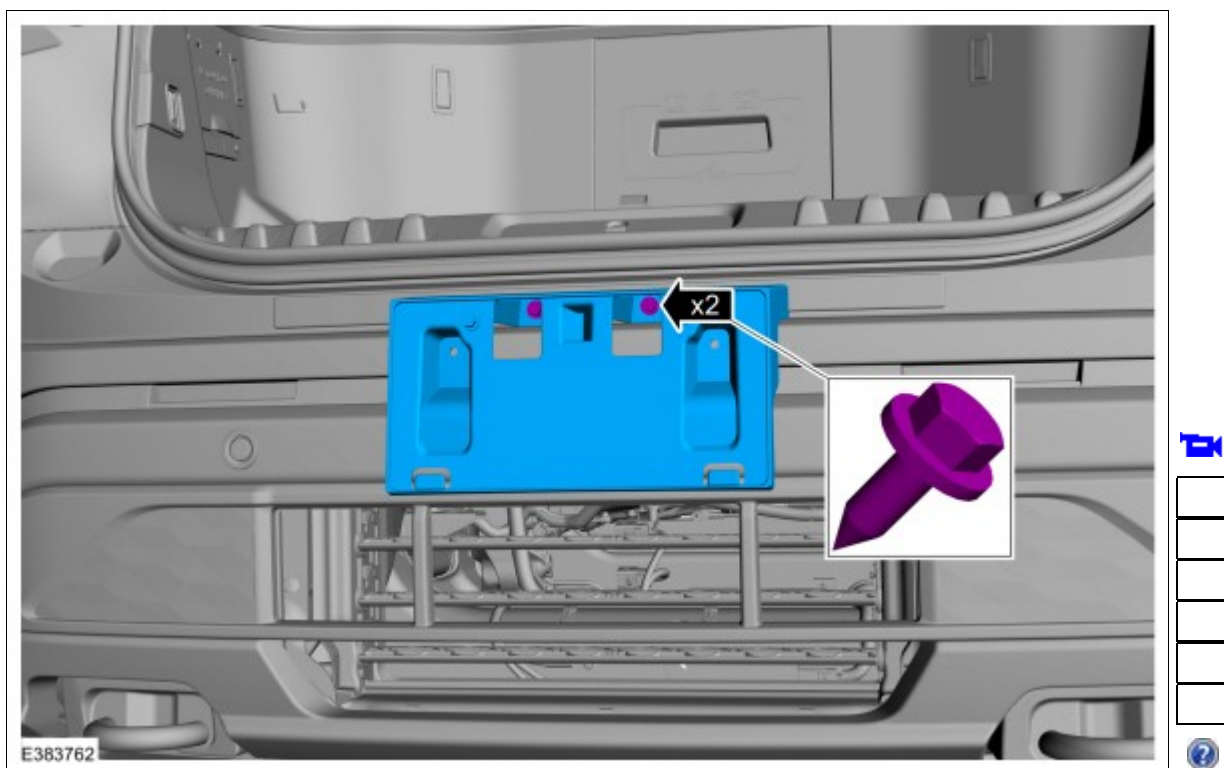
2022 F-150
Procedure revision date: 06/21/2022

Front Bumper - Electric

Removal

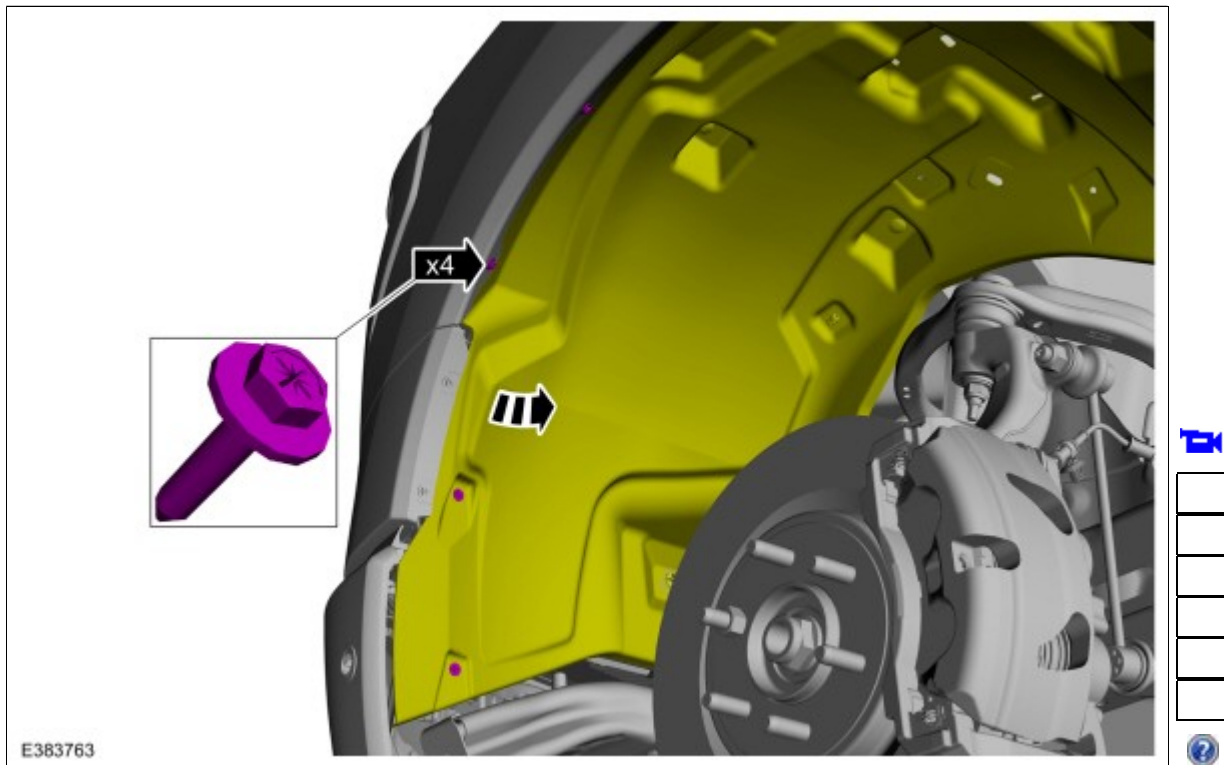
NOTE: Removal steps in this procedure may contain installation details.

1. Remove the bolts and the license plate bracket.
Torque: 15 lb.in (1.7 Nm)



2. **NOTE:** Left hand (LH) shown, right hand (RH) similar.

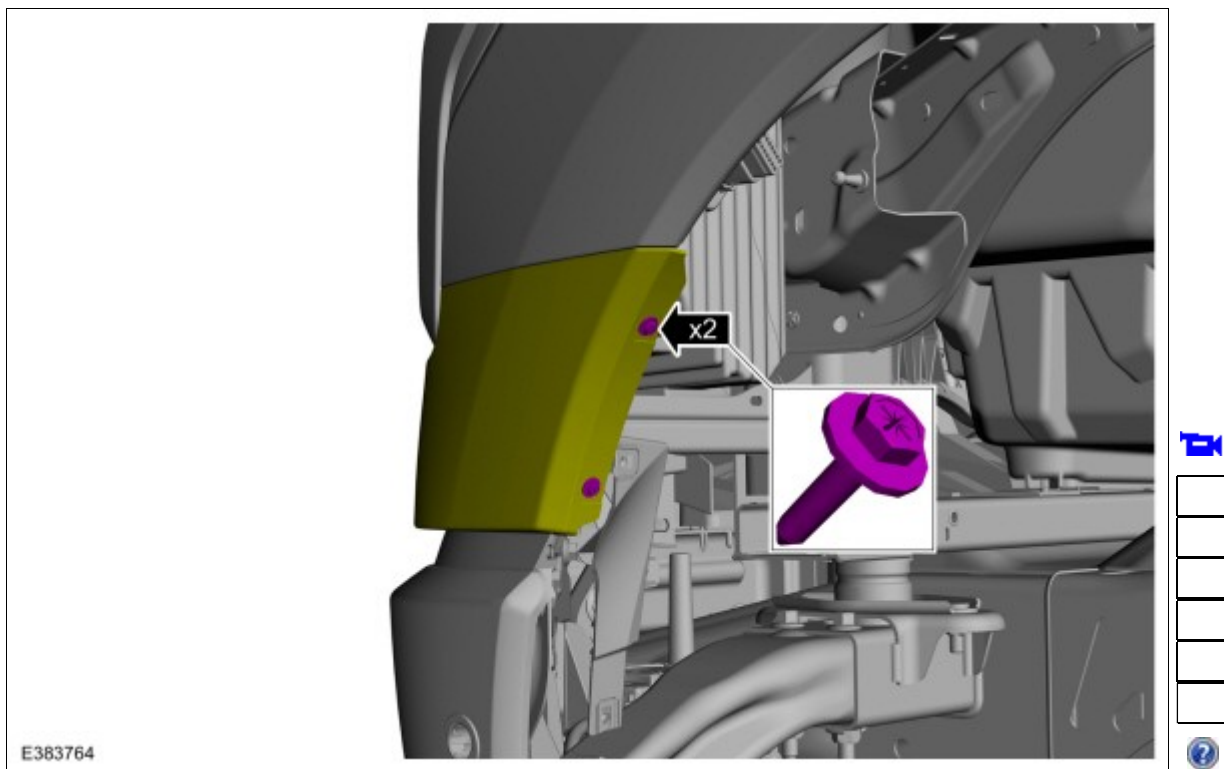
Remove the screws and position aside the front fender splash shield.
Torque: 15 lb.in (1.7 Nm)



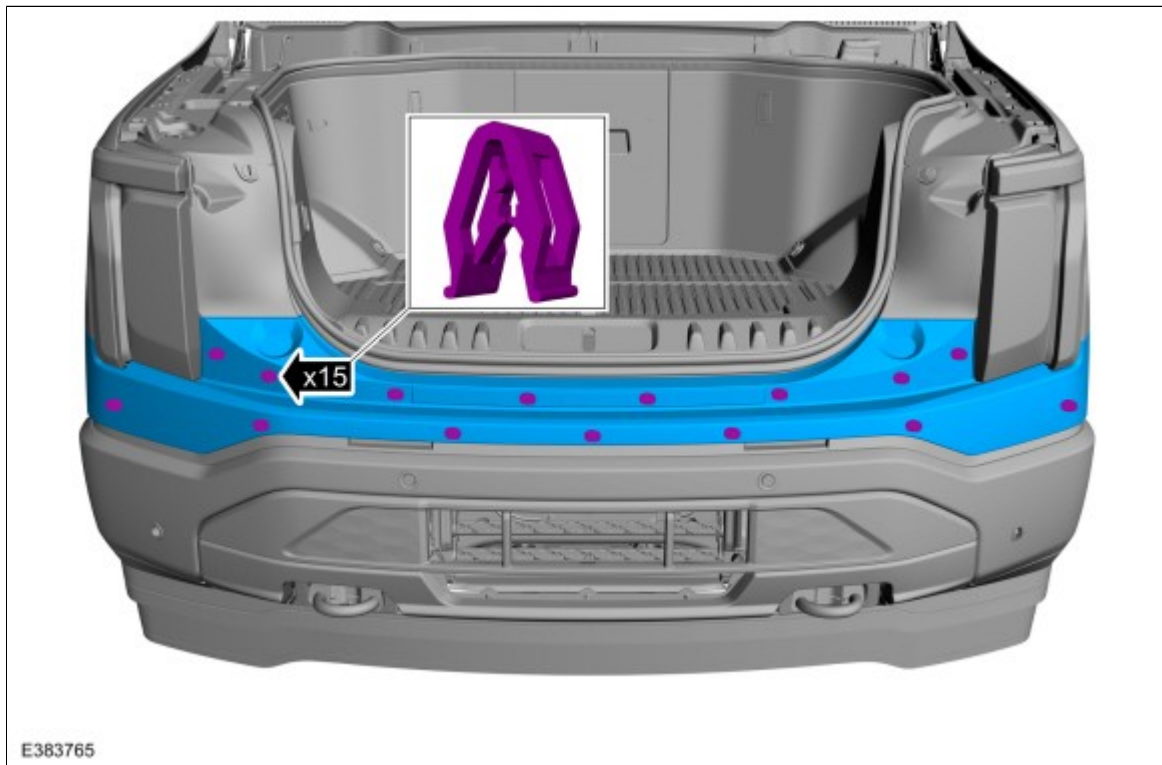
3. **NOTE:** Left hand (LH) shown, right hand (RH) similar.

Remove the screws.

Torque: 15 lb.in (1.7 Nm)



4. Release the clips and remove the front bumper cover assembly.

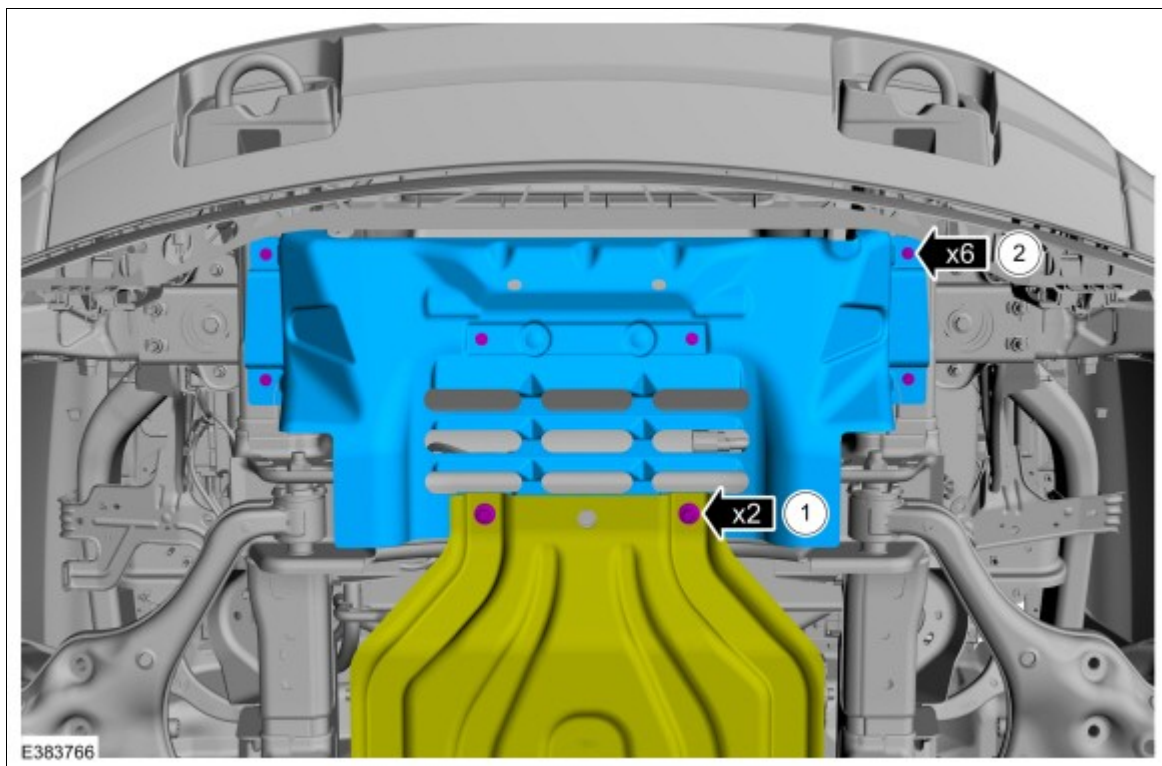


5. Raise the vehicle on a hoist.

Refer to: [Jacking and Lifting - Overview](#) (100-02 Jacking and Lifting, Description and Operation).

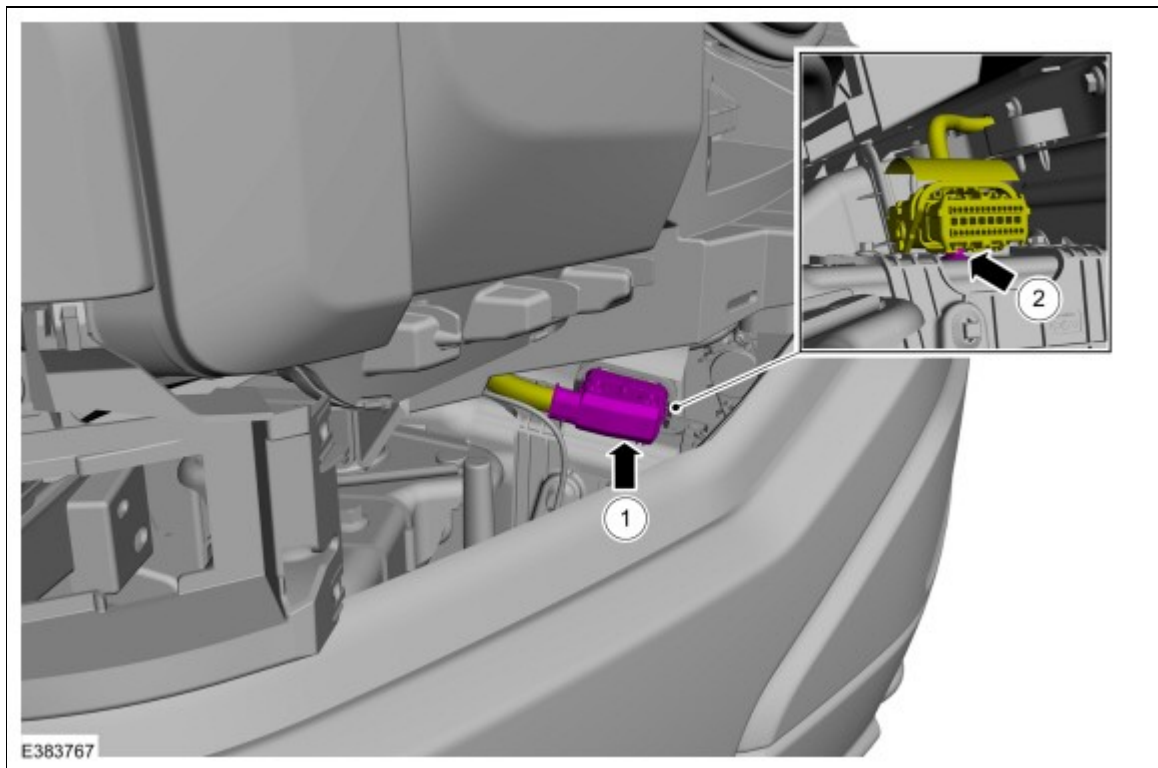
6.

1. Remove the bolts.
Torque: 35 lb.ft (48 Nm)
2. Remove the bolts and the front skid plate.
Torque: 22 lb.in (2.5 Nm)

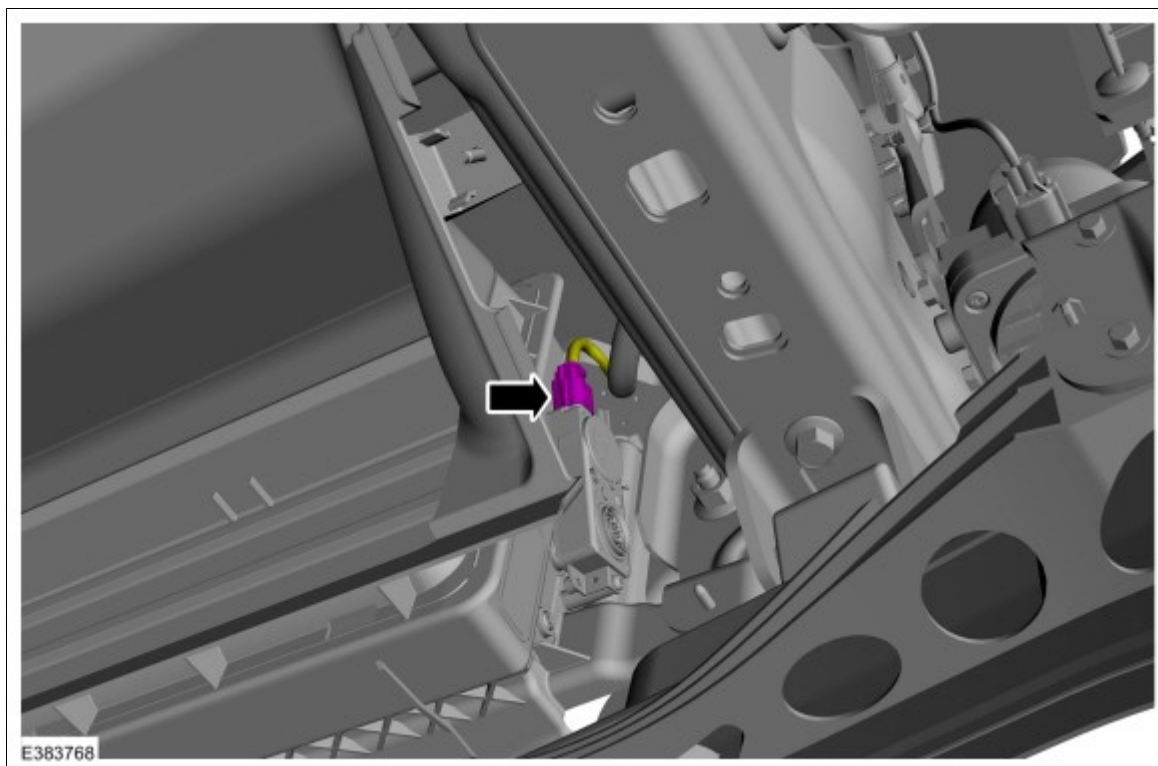


7.

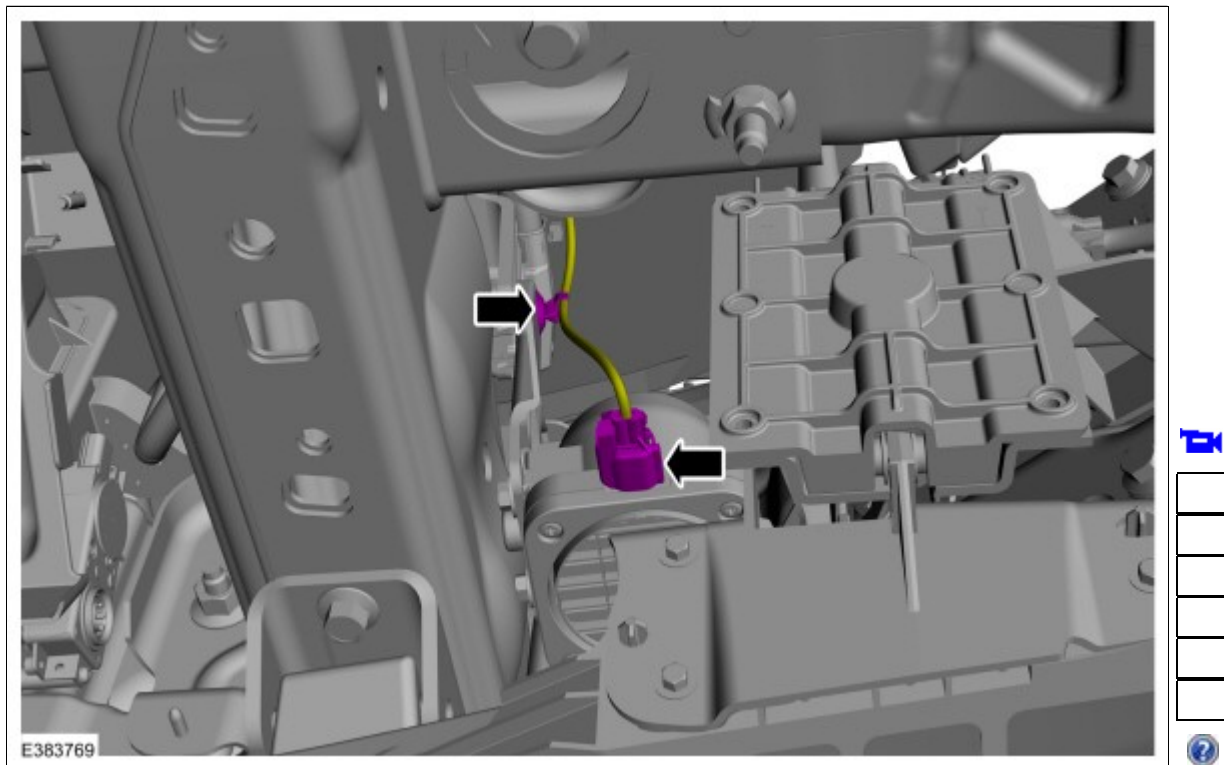
1. Disconnect the front bumper harness electrical connector.
2. Detach the electrical connector retainer and position aside the wiring harness.



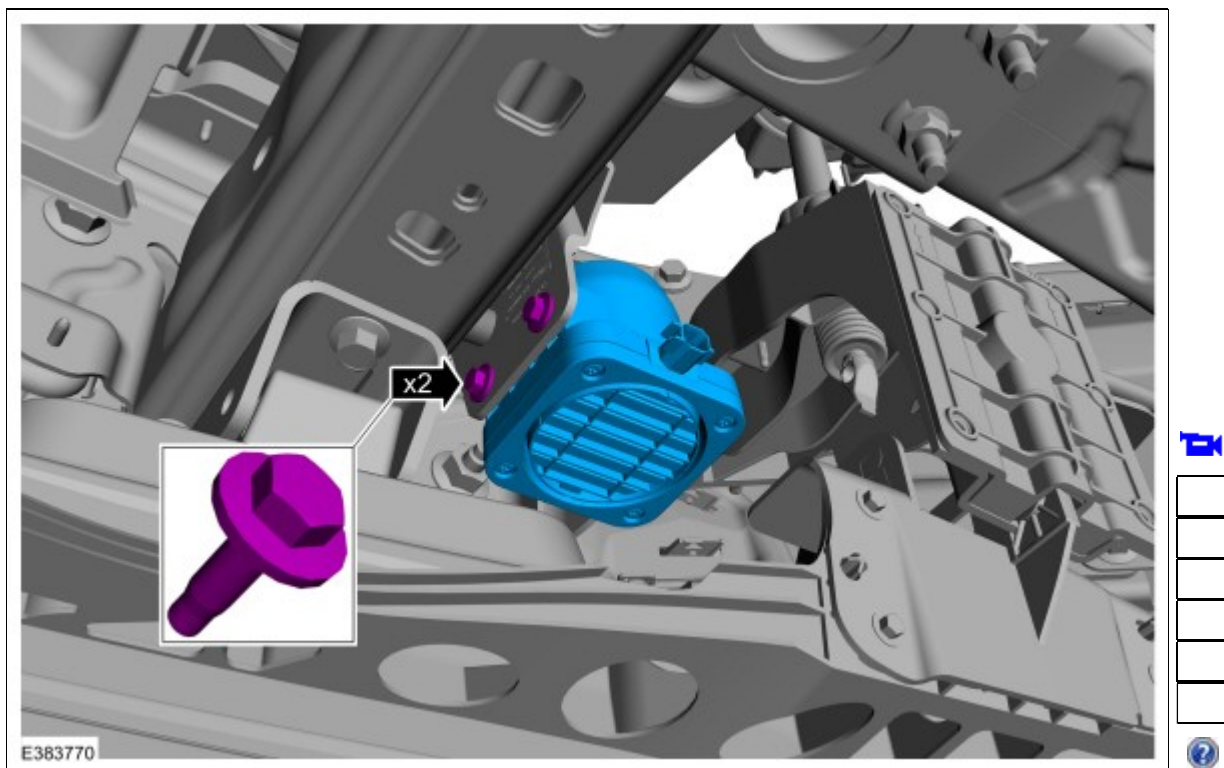
8. Disconnect the active grille shutter actuator electrical connector.



9. If equipped.
Disconnect the pedestrian alert speaker electrical connector and detach the wiring harness retainer.

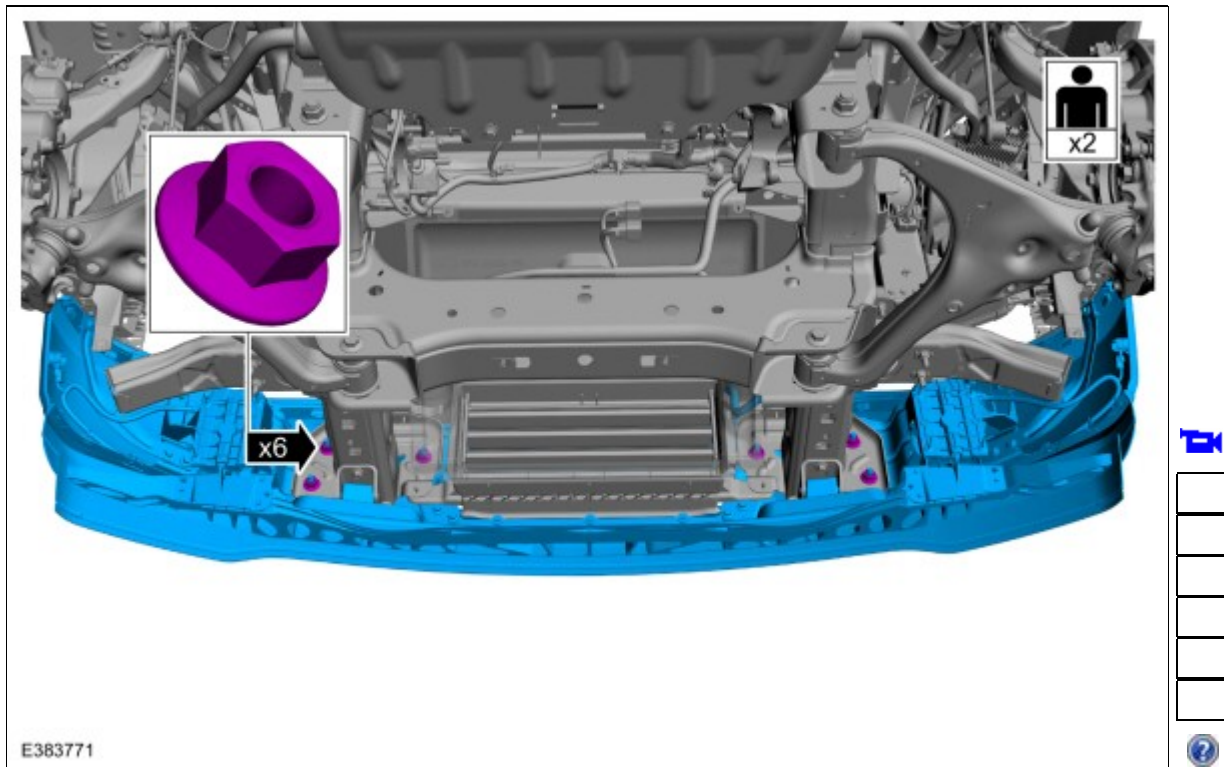


10. If equipped.
Remove the bolts and the front pedestrian alert system speaker.
Torque: 106 lb.in (12 Nm)



11. **NOTE:** *This step requires the aid of another technician.*

Remove the nuts and the front bumper.
Torque: 76 lb.ft (103 Nm)



Installation

1. To install, reverse the removal procedure.

Vehicles With: Front Parking Aid

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

Vehicles With: Active Park Assist

4. If replacing the front bumper.
Check the alignment of the front active park assist sensors.
Refer to: [Azimuth System Check](#) (413-13A Parking Aid - Vehicles With: Rear Parking Aid, General Procedures).
5. If any sensor fails the check, diagnose the sensor fault.
Refer to: [Parking Aid](#) (413-13A Parking Aid - Vehicles With: Rear Parking Aid, Diagnosis and Testing).

