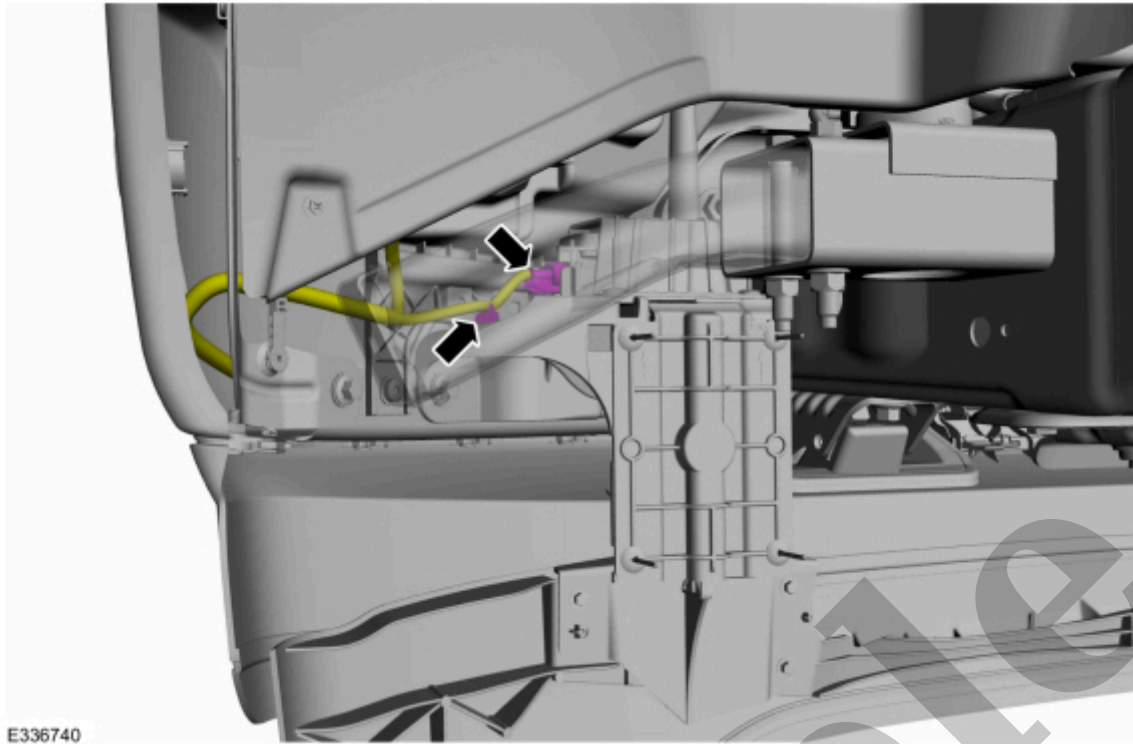


Your Ultimate Source for OEM Repair Manuals

FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

2001 FORD Cougar OEM Service and Repair Workshop Manual

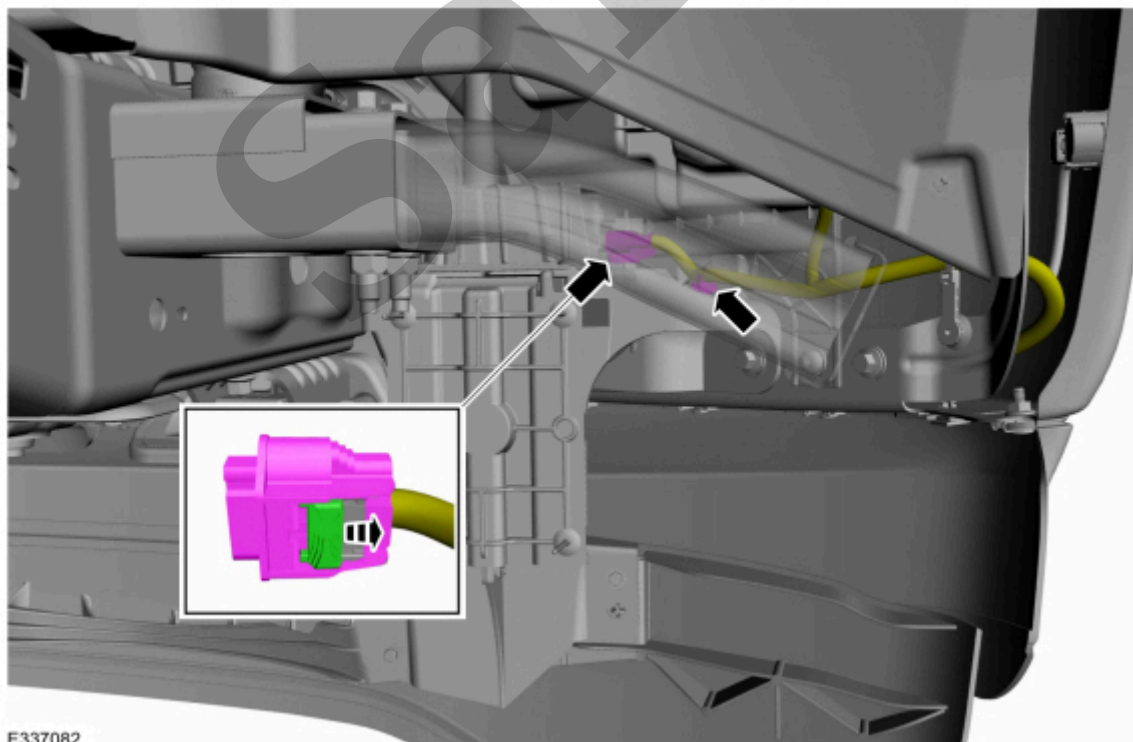
[Go to manual page](#)

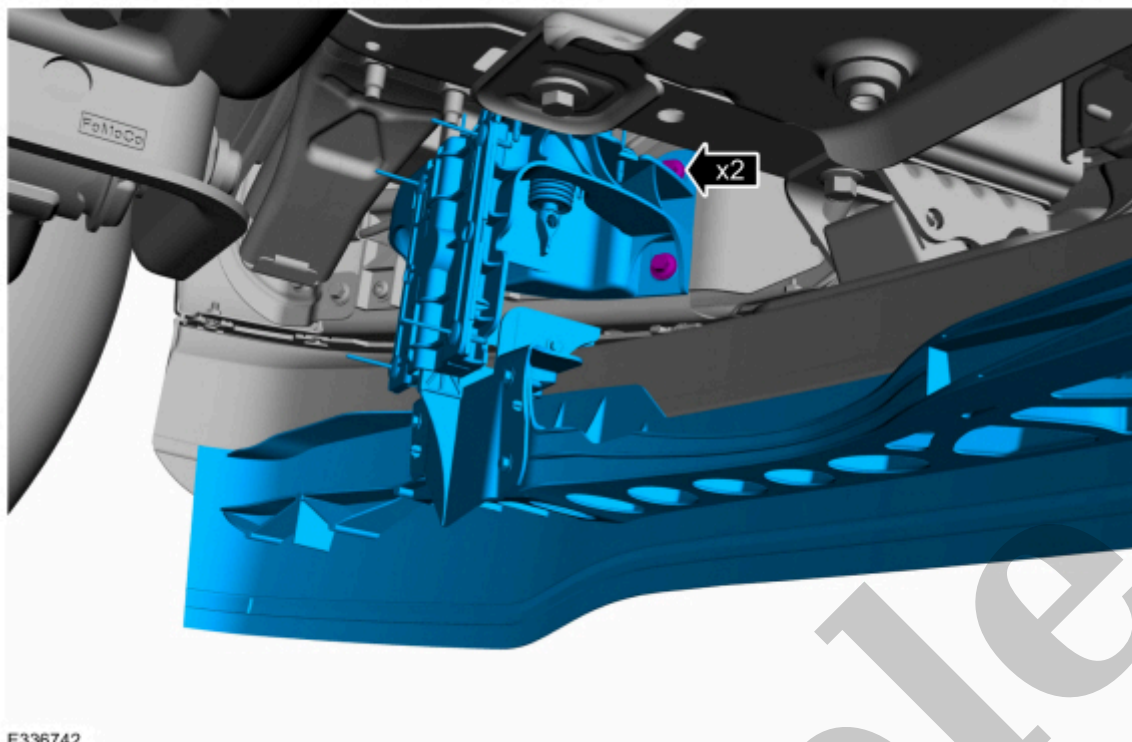


[Click here to learn about symbols, color coding, and icons used in this manual.](#)

3. On RH (right-hand) side.

Release the locking tab and disconnect the AAD (active air dam) electrical connector. Detach the retainer and position the wiring harness aside.





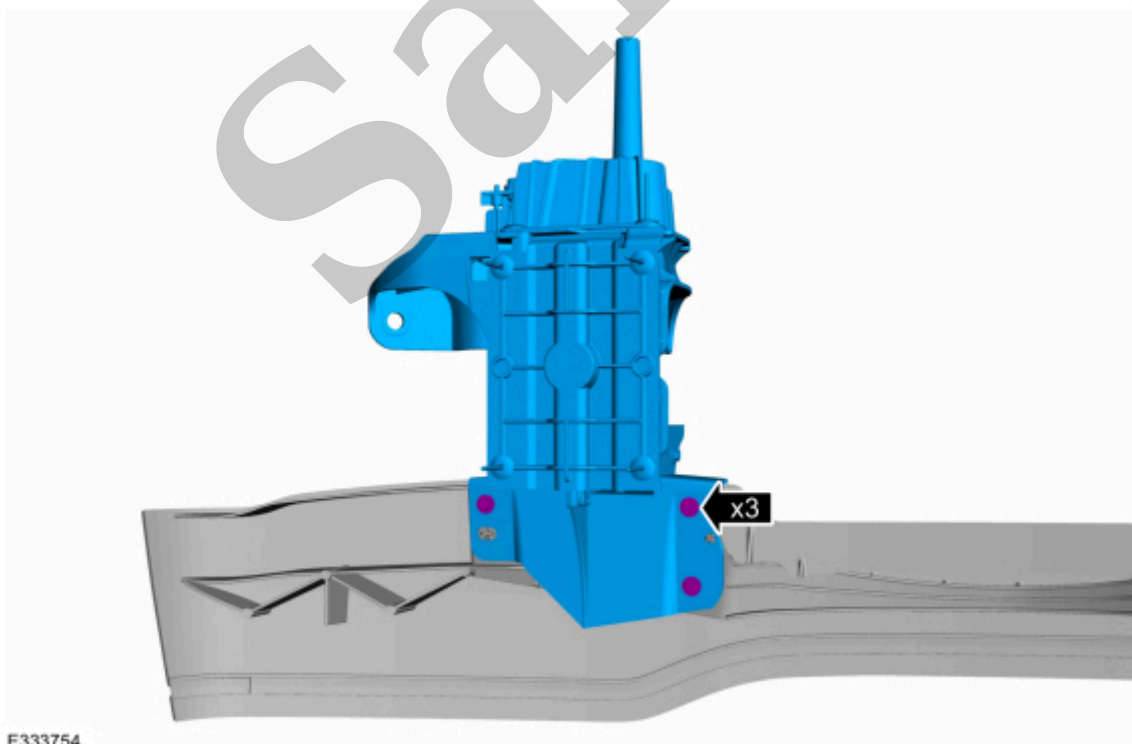
E336742

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6. On both sides.

Remove the screws and the AAD (active air dam) actuator.

Torque : 27 lb.in (3 Nm)



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Active Air Dam (AAD) Blade

501-19 Bumpers	2022 F-150
Removal and Installation	Procedure revision date: 10/2/2020

Active Air Dam (AAD) Blade

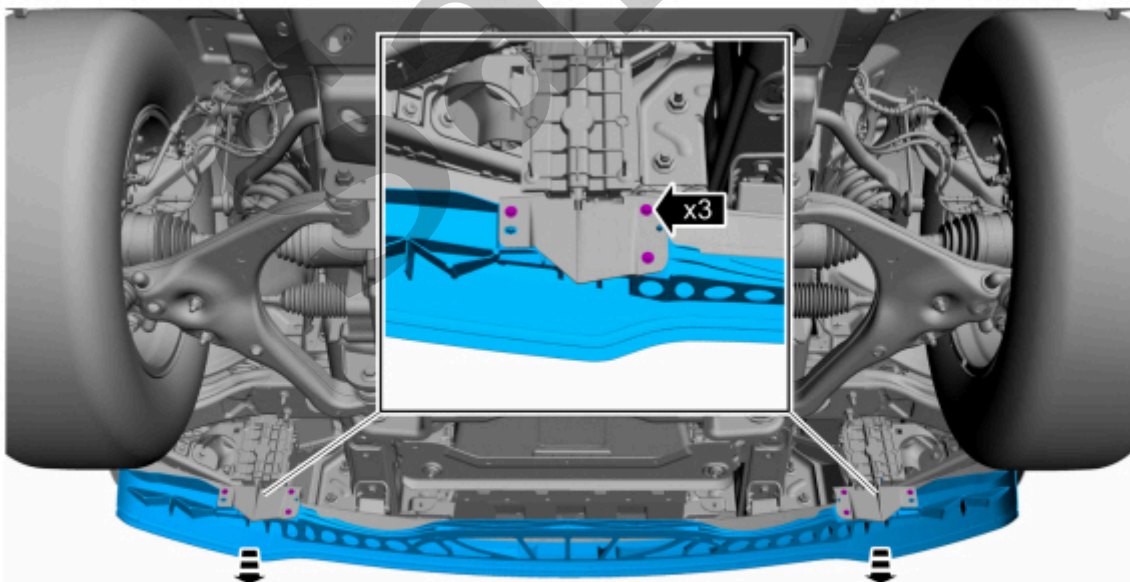
Removal

1. With the vehicle in NEUTRAL, position it on a hoist.

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

2. Remove the screws and the AAD (active air dam) blade.

Torque : 27 lb.in (3 Nm)





Bumper Isolator - Electric

501-19 Bumpers	2022 F-150
Removal and Installation	Procedure revision date: 04/21/2022

Bumper Isolator - Electric

Removal

NOTE

Removal steps in this procedure may contain installation details.

1. Remove the underhood storage compartment.

Refer to: [Underhood Storage Compartment - Electric](#)(501-02 Front End Body Panels, Removal and Installation).

2. Remove the front bumper.

Refer to: [Front Bumper - Electric](#)(501-19 Bumpers, Removal and Installation).

3. 1. Remove the bolts.

Torque : 36 lb.in (4.1 Nm)

2. Remove the trim pins and the front bumper isolator.



Front Bumper - Electric

501-19 Bumpers	2022 F-150
Removal and Installation	Procedure revision date: 06/21/2022

Front Bumper - Electric

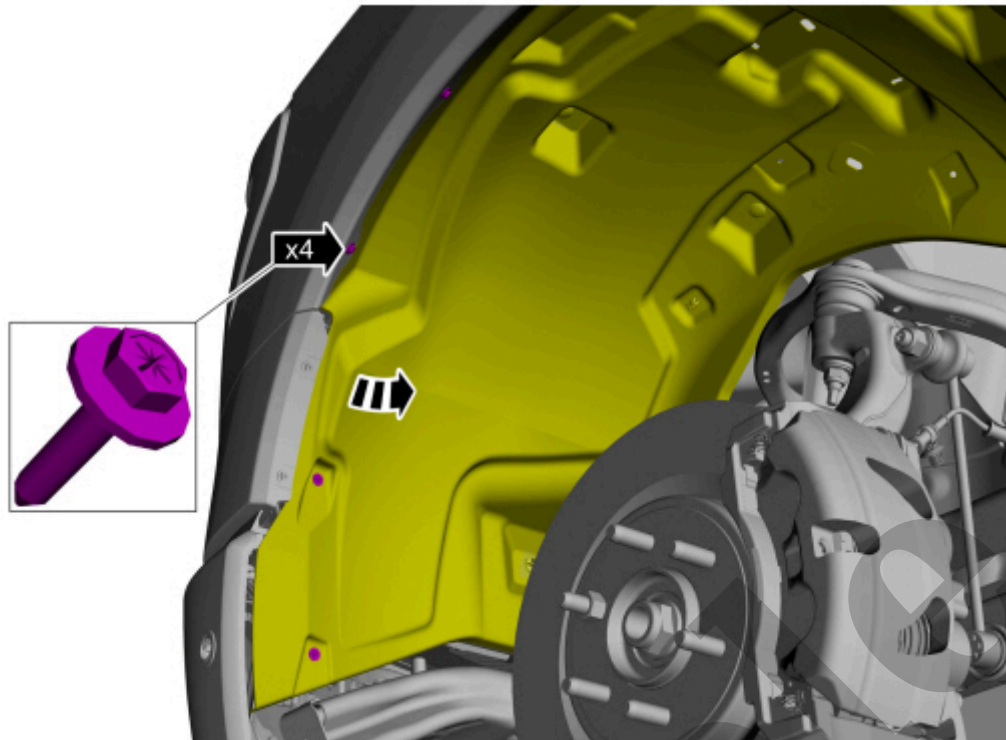
Removal

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)



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3. NOTE

Left hand (LH) shown, right hand (RH) similar.

Remove the screws.

Torque : 15 lb.in (1.7 Nm)

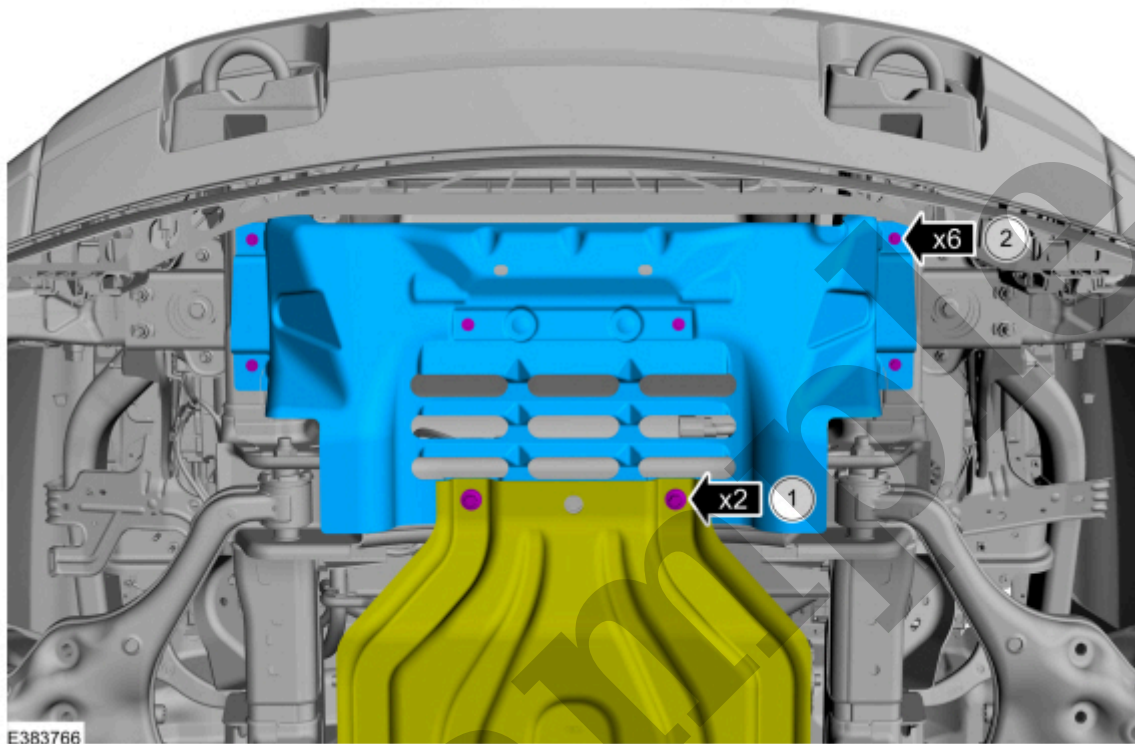
Refer to: [Jacking and Lifting - Overview](#)(100-02 Jacking and Lifting, Description and Operation).

6. 1. Remove the bolts.

Torque : 35 lb.ft (48 Nm)

2. Remove the bolts and the front skid plate.

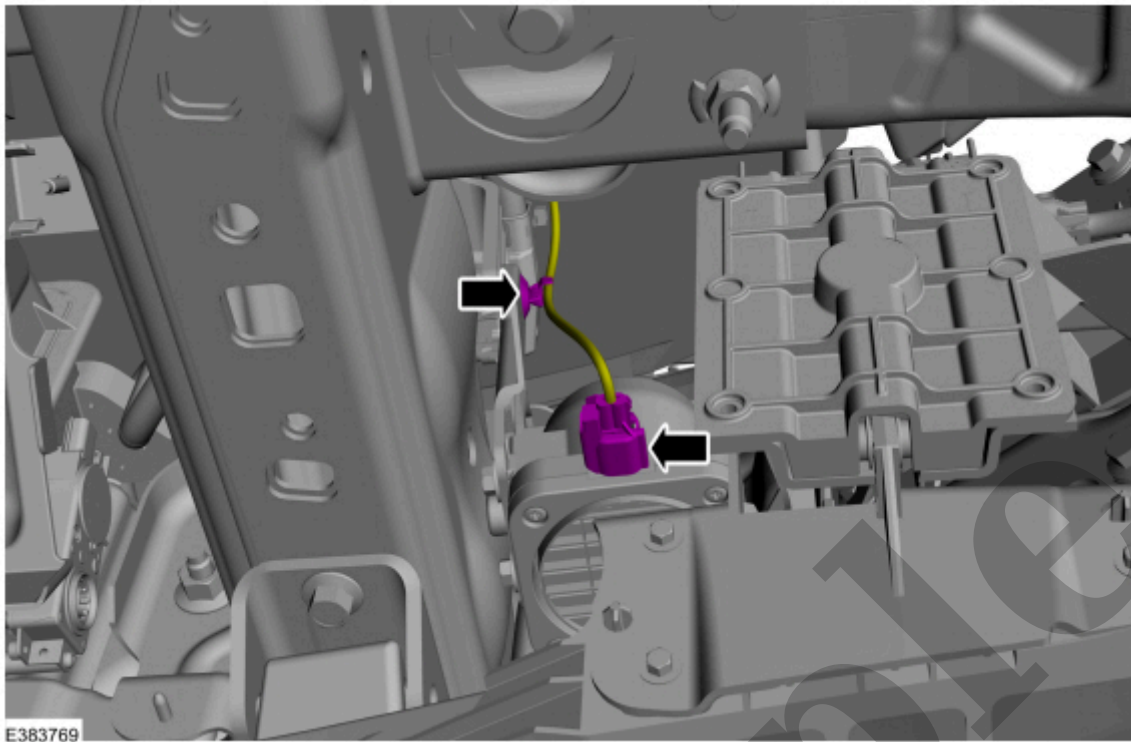
Torque : 22 lb.in (2.5 Nm)



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

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

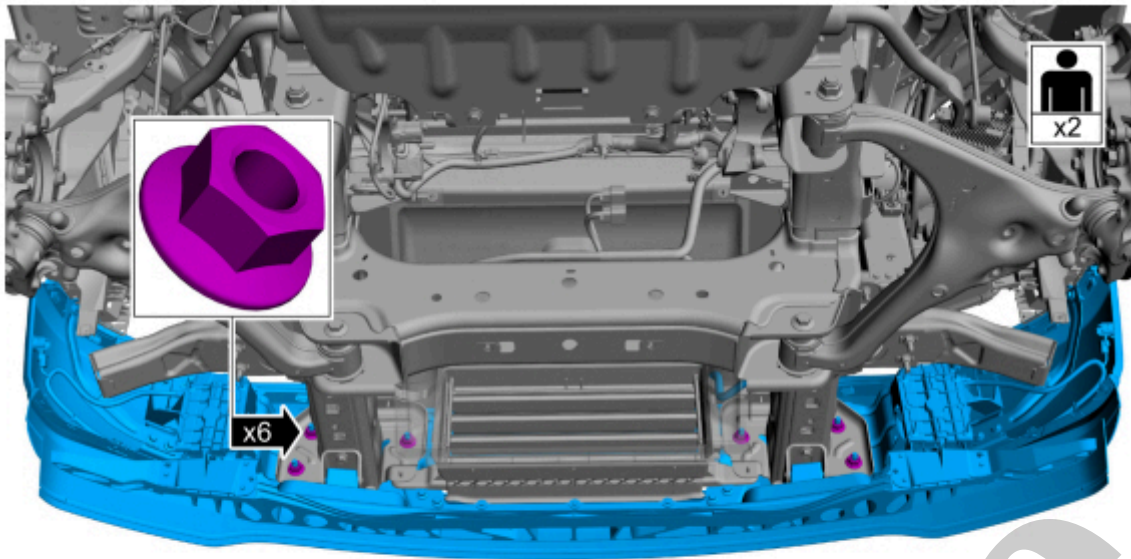


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10. If equipped.

Remove the bolts and the front pedestrian alert system speaker.

Torque : 106 lb.in (12 Nm)



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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.