

Installation

NOTICE: Tighten the suspension fasteners with the weight of the vehicle on the wheels and tires or use a suitable jack to raise the suspension to curb height or damage to the bushings may occur.

1. To install, reverse the removal procedure.
2. **NOTE:** *Only tighten the nuts and bolts finger tight at this stage.*
 1. Position the front strut and spring assembly into the wheel knuckle and top strut mount.
 2. Install the new front strut and spring assembly-to-wheel knuckle bolts and nuts.

Front Strut and Spring Assembly



Removal

NOTICE: Suspension fasteners are critical parts that affect the performance of vital components and systems. Failure of these fasteners may result in major service expense. Use the same or equivalent parts if replacement is necessary. Do not use a replacement part of lesser quality or substitute design. Tighten fasteners as specified.

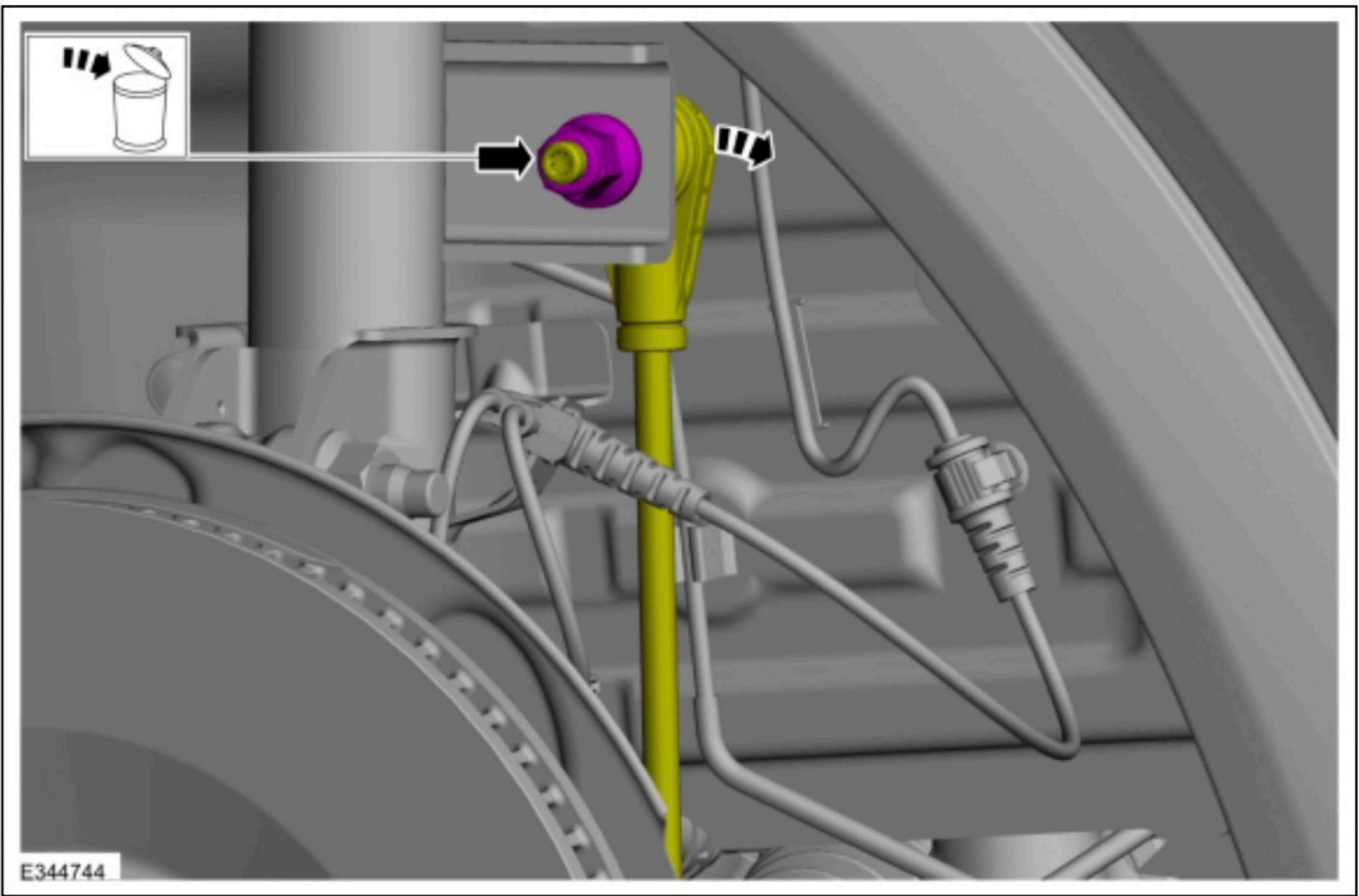
NOTE: Removal steps in this procedure may contain installation details.

1. Remove the wheel and tire.
Refer to: [Wheel and Tire](#) (204-04A Wheels and Tires, Removal and Installation) .
2. **NOTICE:** Do not use power tools to remove or install the stabilizer bar link nuts. Damage to the stabilizer bar link ball joints and boots may occur.

NOTE: Use the TORX PLUS® holding feature to prevent the ball stud from turning while removing or installing the lower arm outboard nut. Torx® and TORX PLUS® is a reg. tm of Acument Intellectual Properties, LLC.

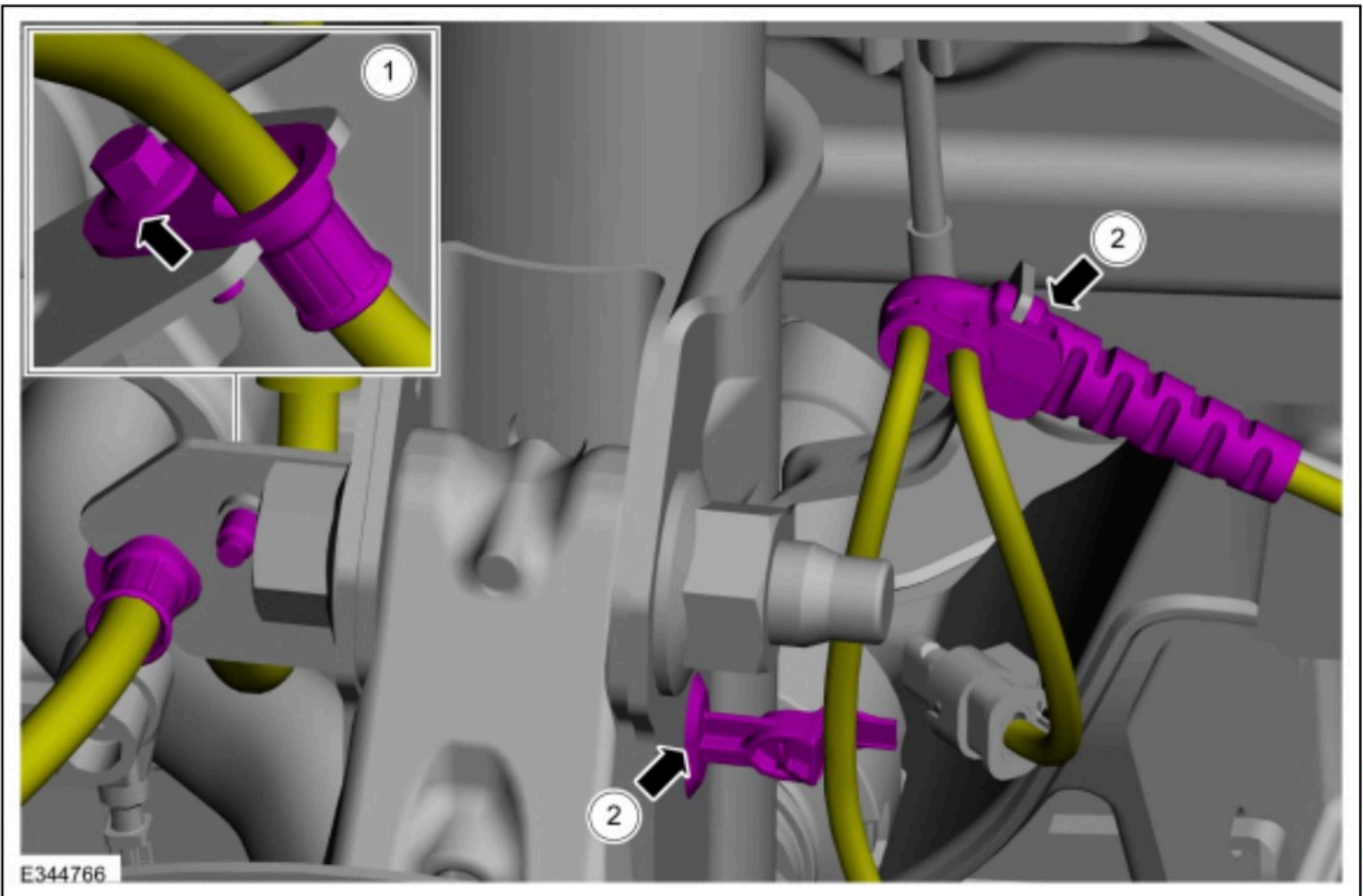
NOTE: The stabilizer bar links are designed with low friction ball joints that have a low breakaway torque.

Remove and discard the upper stabilizer bar link nut and position aside the stabilizer bar link.



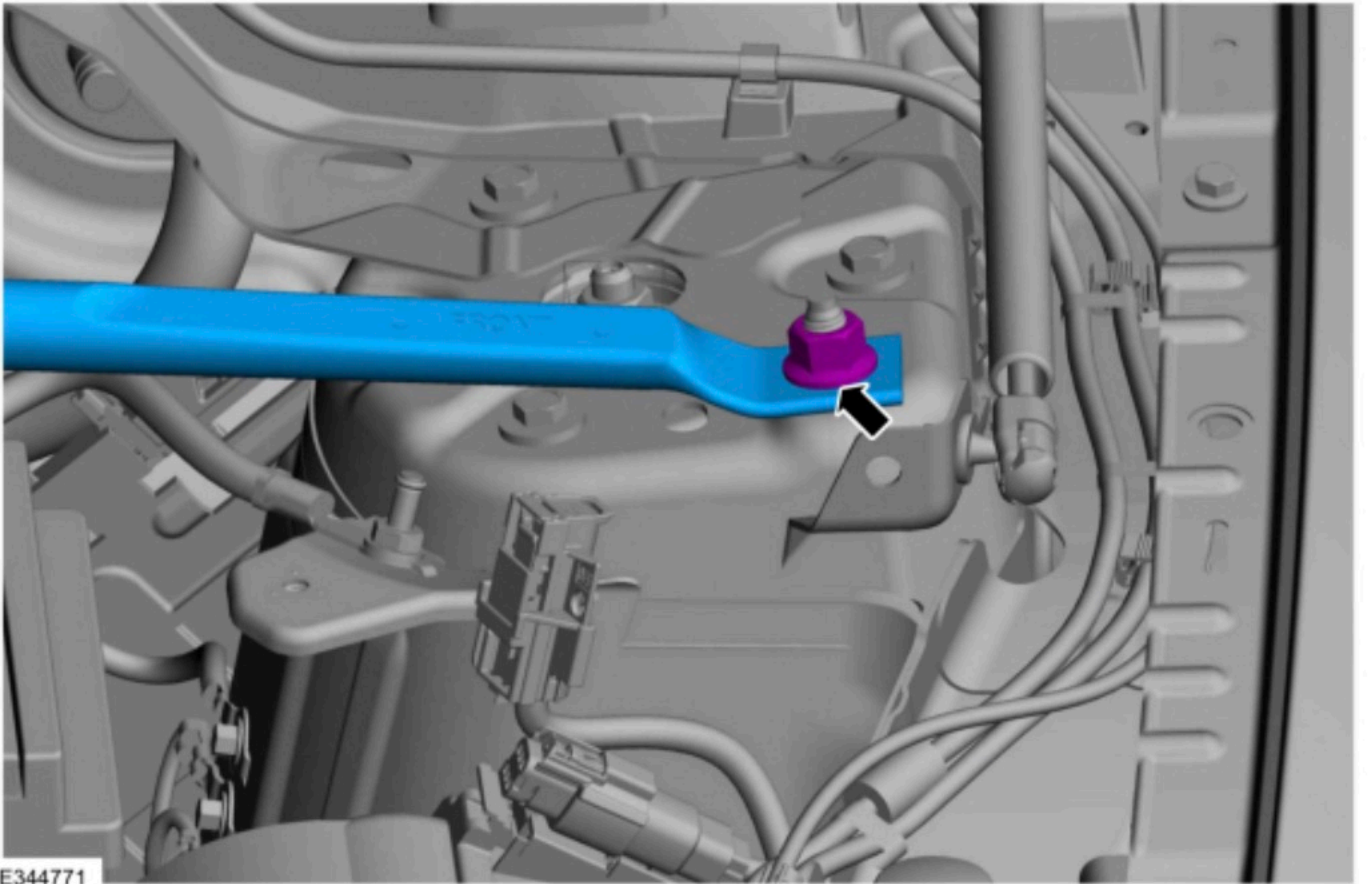
3.

1. Remove the bolt and position aside the brake hose.
2. Unclip the 2 wire retainers and position aside the wheel speed sensor wiring harness.

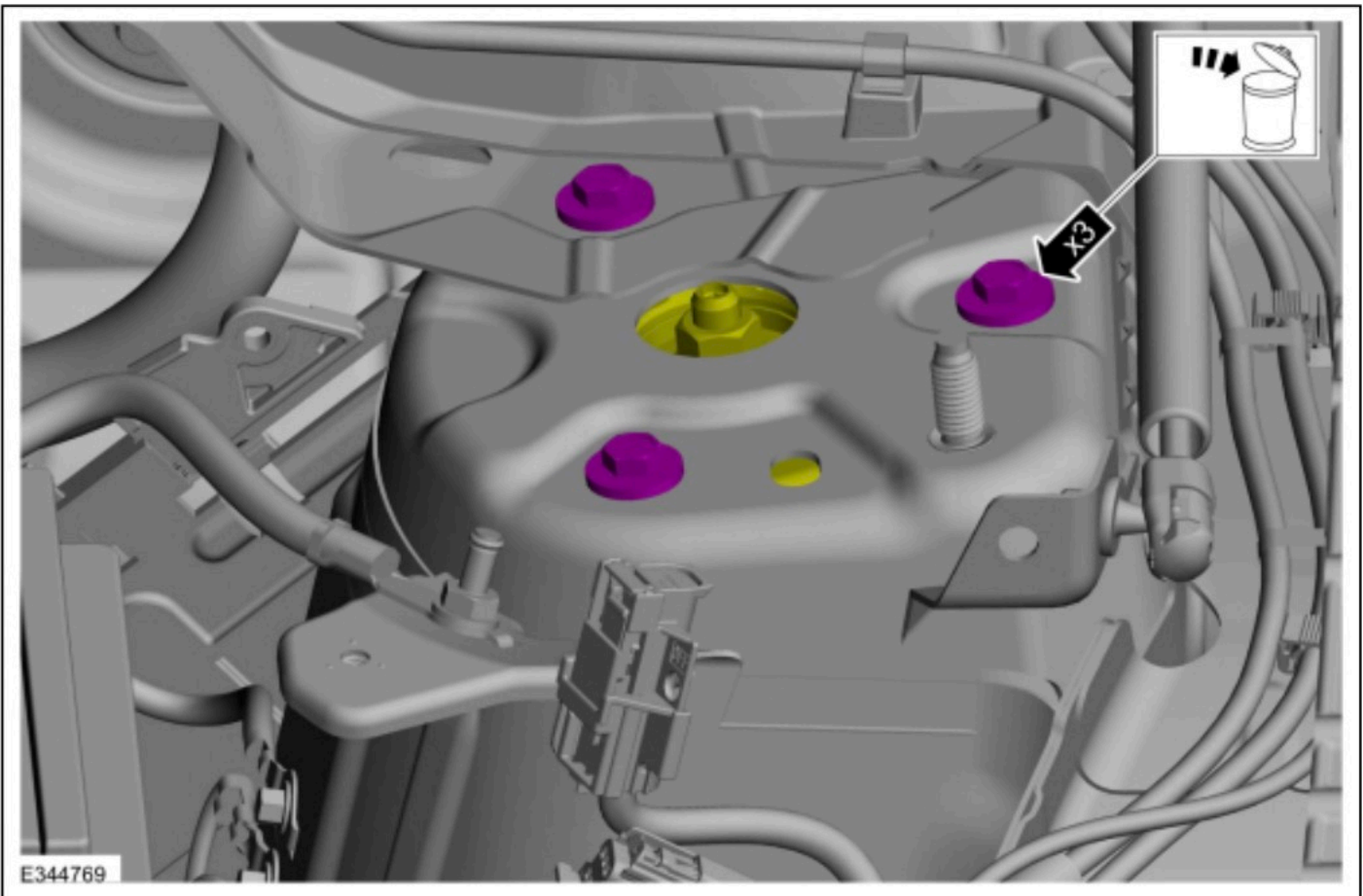


4. Remove the cowl panel grille.
Refer to: [Cowl Panel Grille](#) (501-02 Front End Body Panels, Removal and Installation) .
5. On both sides.
Remove the nut and the front strut tower brace.





6. Remove and discard the 3 front strut and spring assembly top mounting bolts.



7.

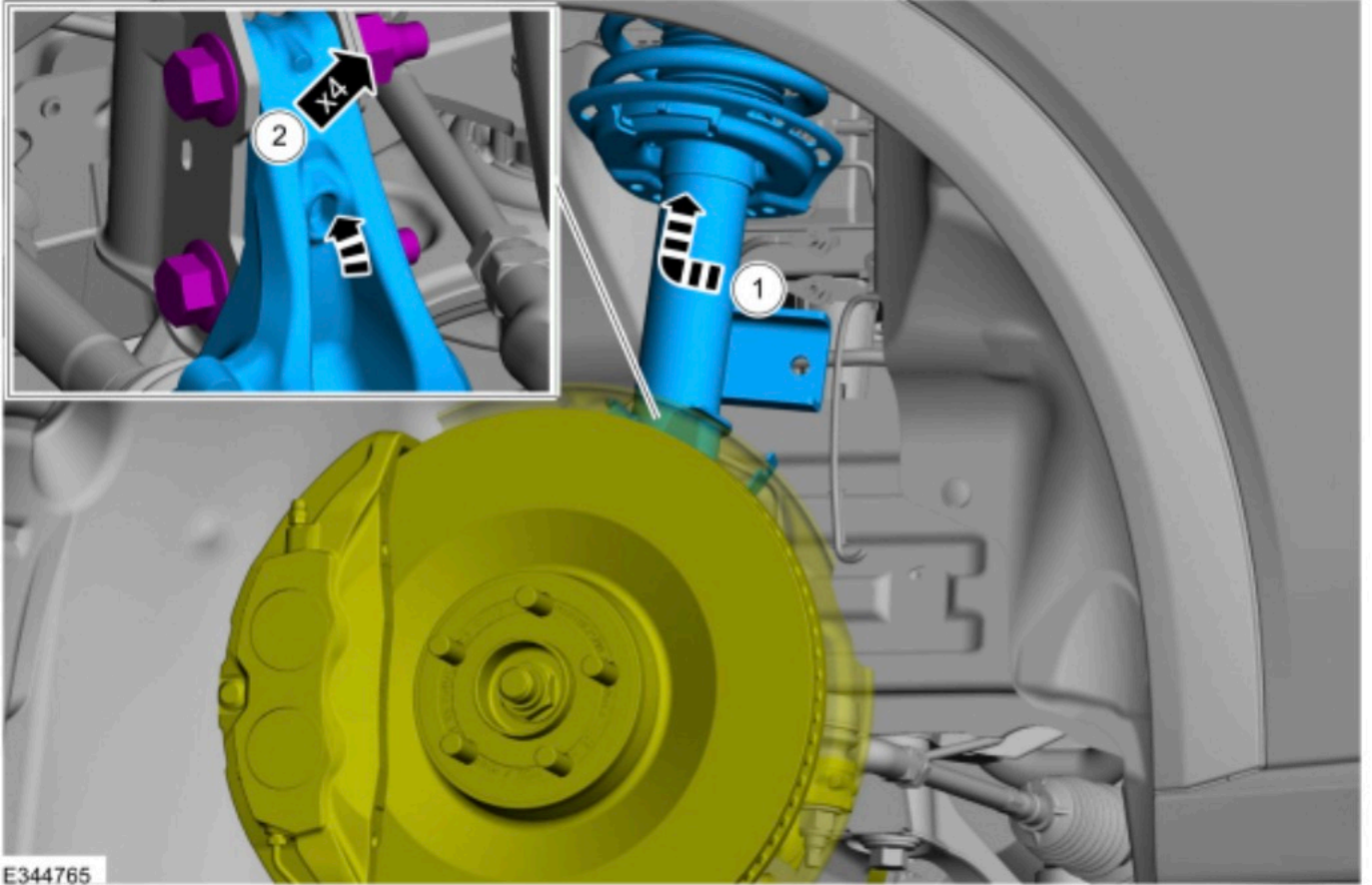
1. **NOTICE: Make sure that no load is placed on the brake hose.**

NOTICE: Never allow the knuckle to hang from the upper and lower control arms or damage to the ball joints can occur.

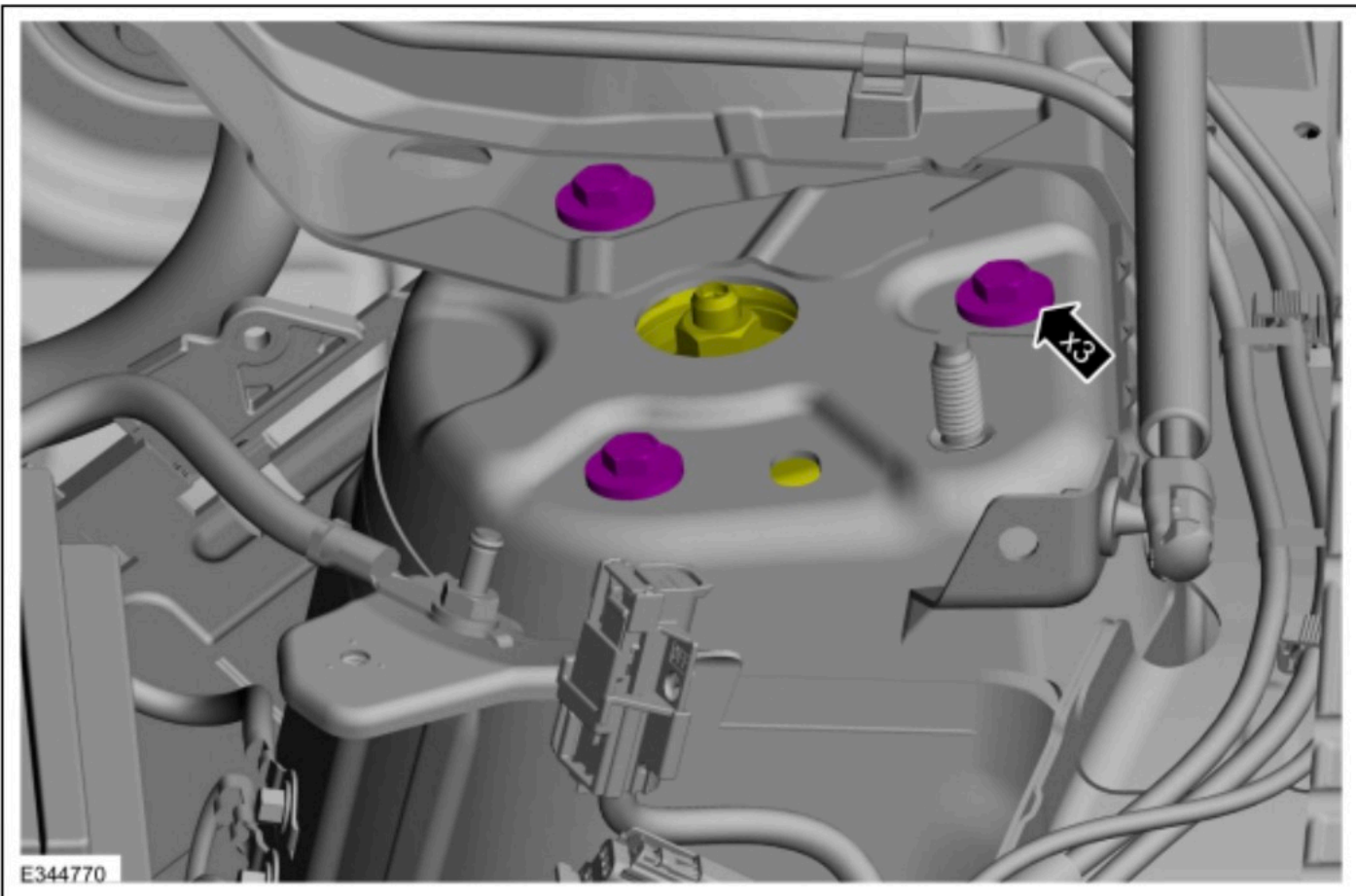
NOTE: Take care not to damage coating on suspension components.

Support the wheel knuckle assembly using mechanic's wire.

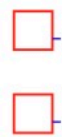
2. Remove and discard the 2 front strut and spring assembly-to-wheel knuckle bolts and nuts.
3. Remove the front strut and spring assembly.

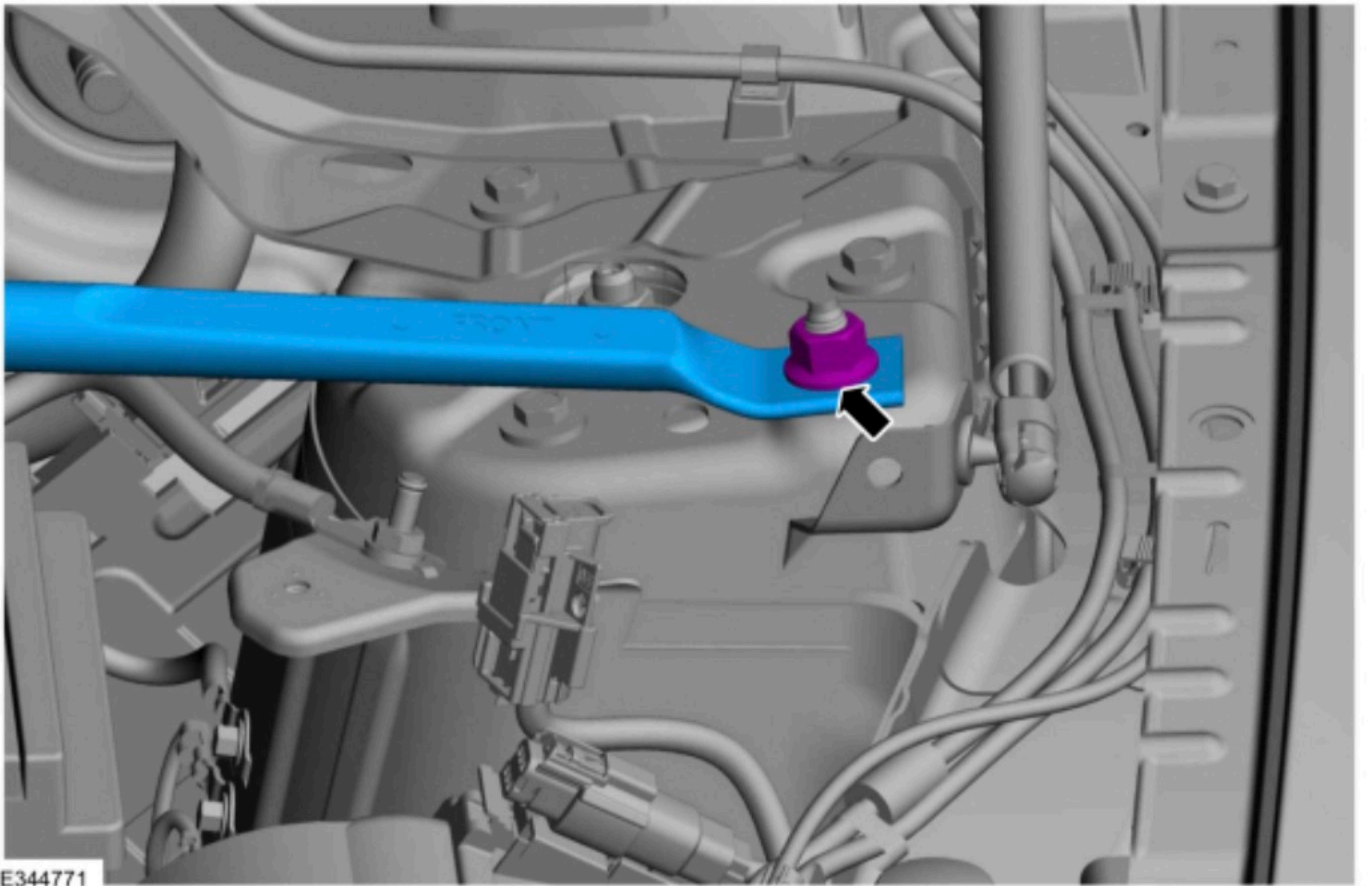


3. Install the new front strut and spring assembly upper bolts.
Torque : 22 lb.ft (30 Nm)

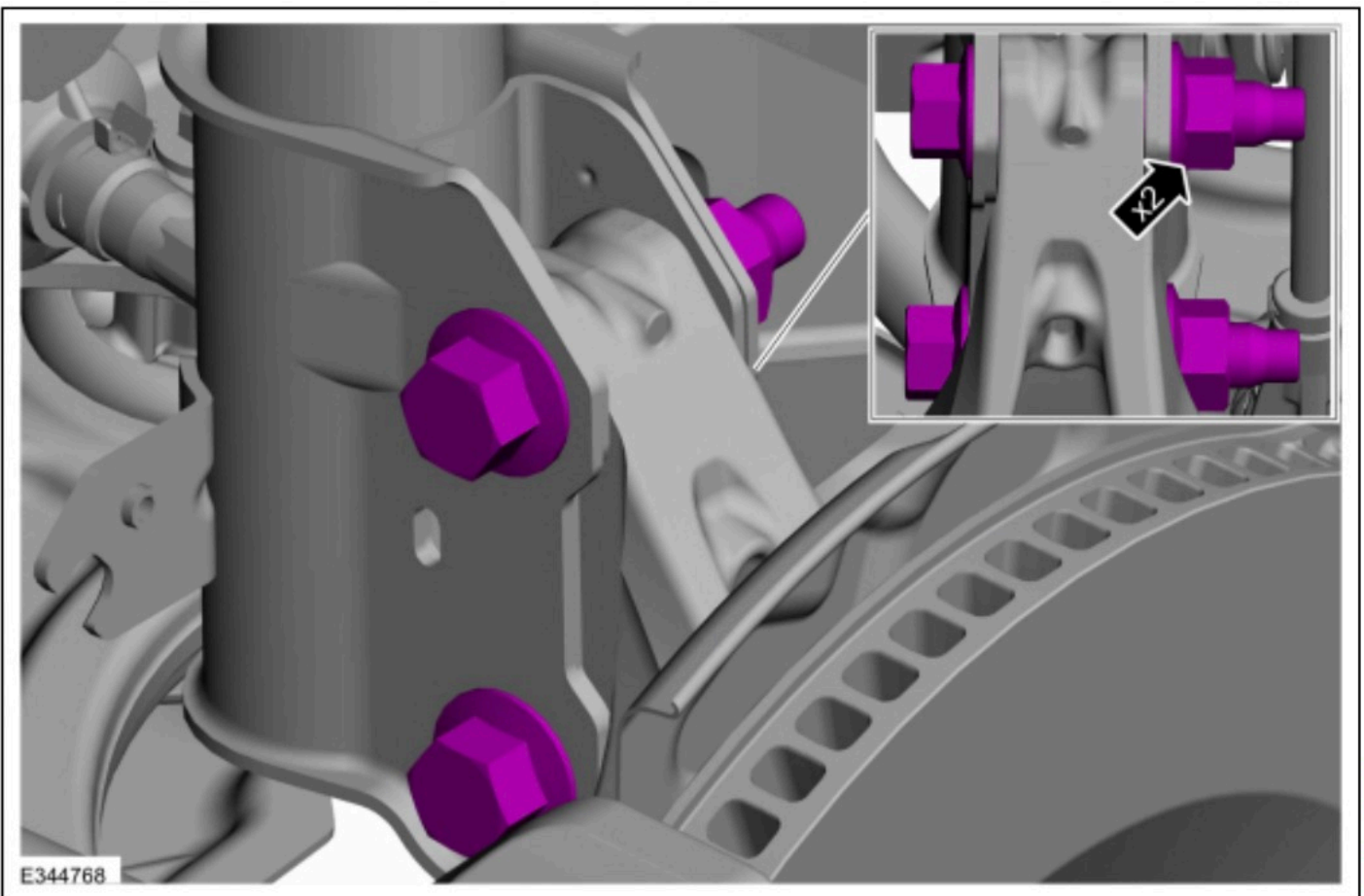


4. On both sides.
Position the front strut tower brace and install the nut.
Torque : 66 lb.ft (90 Nm)





5. Tighten the front strut and spring assembly-to-wheel knuckle bolts and nuts.
Torque : 173 lb.ft (235 Nm)



6. Install the cowl panel grille.

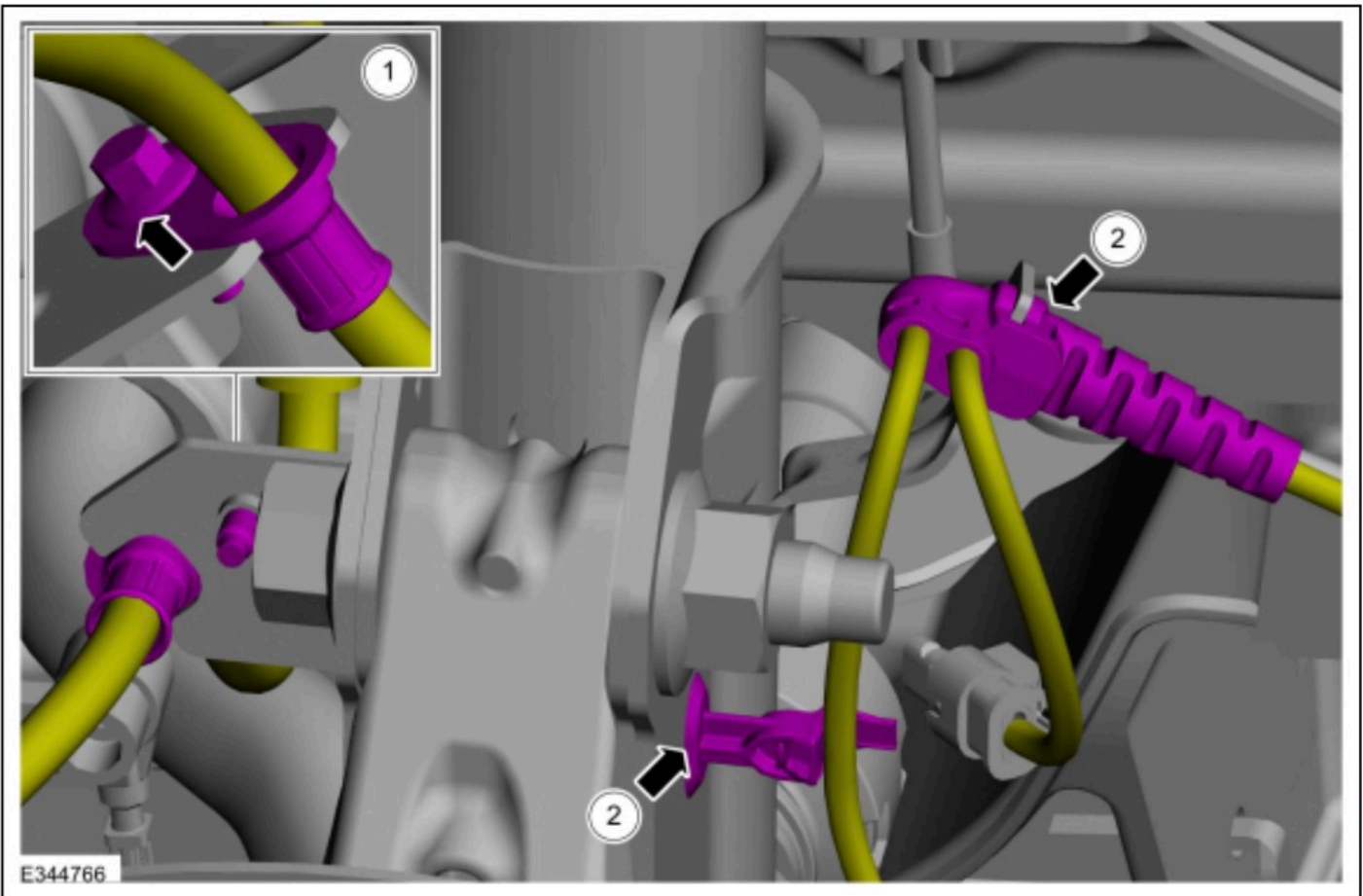
Refer to: [Cowl Panel Grille](#) (501-02 Front End Body Panels, Removal and Installation) .

7.

1. Position the brake hose and install the bolt.

Torque : 97 lb.in (11 Nm)

2. Position the wheel speed sensor wiring harness and clip the 2 wire retainers.

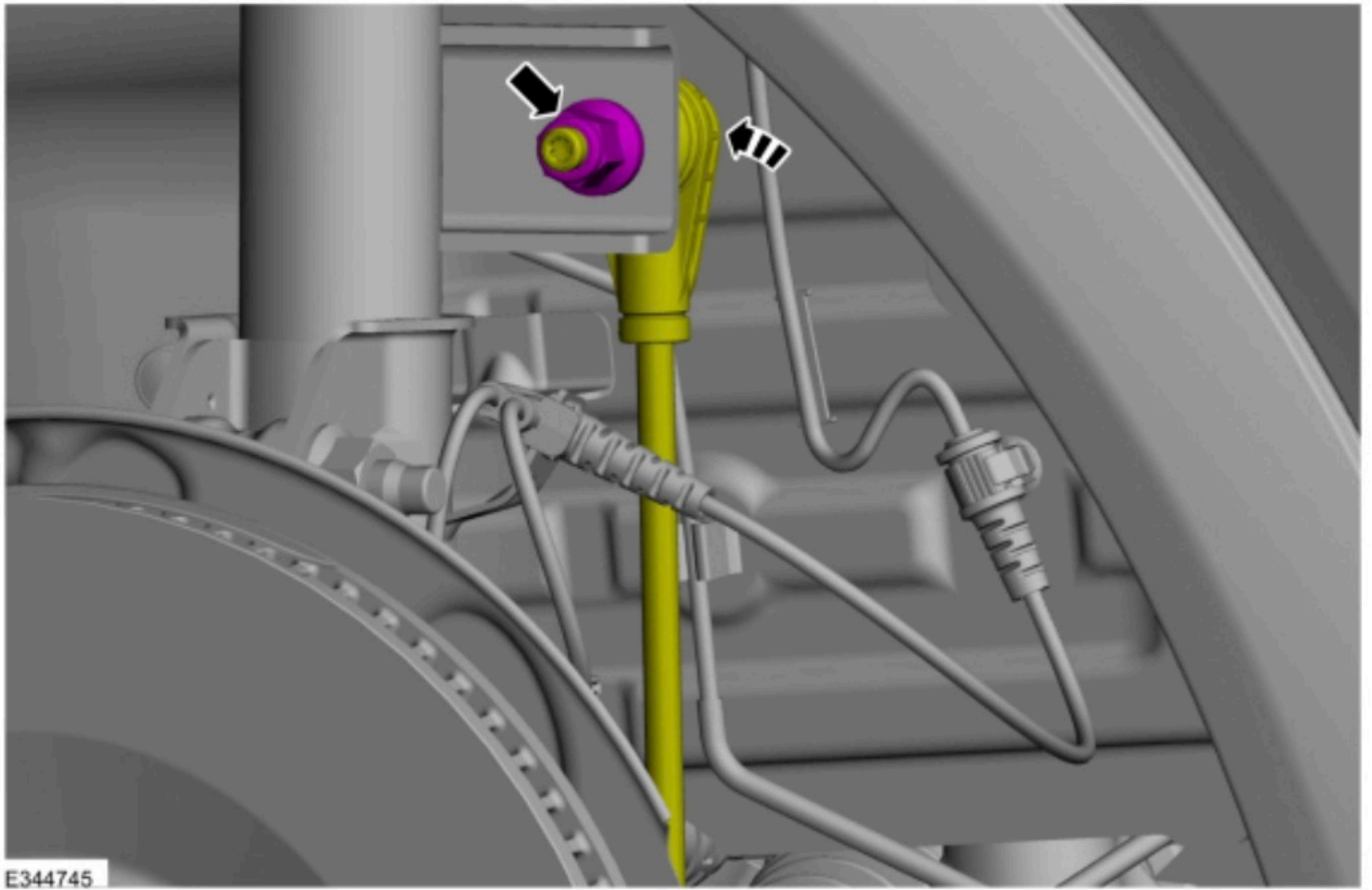


8. **NOTICE:** Do not use power tools to remove or install the stabilizer bar link nuts. Damage to the stabilizer bar link ball joints and boots may occur.

NOTE: Use the TORX PLUS® holding feature to prevent the ball stud from turning while removing or installing the lower arm outboard nut. Torx® and TORX PLUS® is a reg. tm of Acument Intellectual Properties, LLC.

NOTE: The stabilizer bar links are designed with low friction ball joints that have a low breakaway torque.

Position the front stabilizer bar link and install the new front stabilizer bar link upper nut.
Torque : 81 lb.ft (110 Nm)



9. Install the wheel and tire.

Refer to: [Wheel and Tire](#) (204-04A Wheels and Tires, Removal and Installation) .

10. For additional information on the disassembly and assembly of the strut and spring assembly.

Refer to: [Front Strut and Spring Assembly](#) (204-01B Front Suspension - AWD, Disassembly and Assembly) .

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