

YMMS: 2020 Ford Mustang Shelby GT350R
Engine: 5.2L Eng
VIN:

License:
Odometer:

GENERAL PROCEDURES > FRONT CAMBER ADJUSTMENT - GT500, GT350R

For information on Ford Color Coded Illustrations refer to OEM Color Coding .

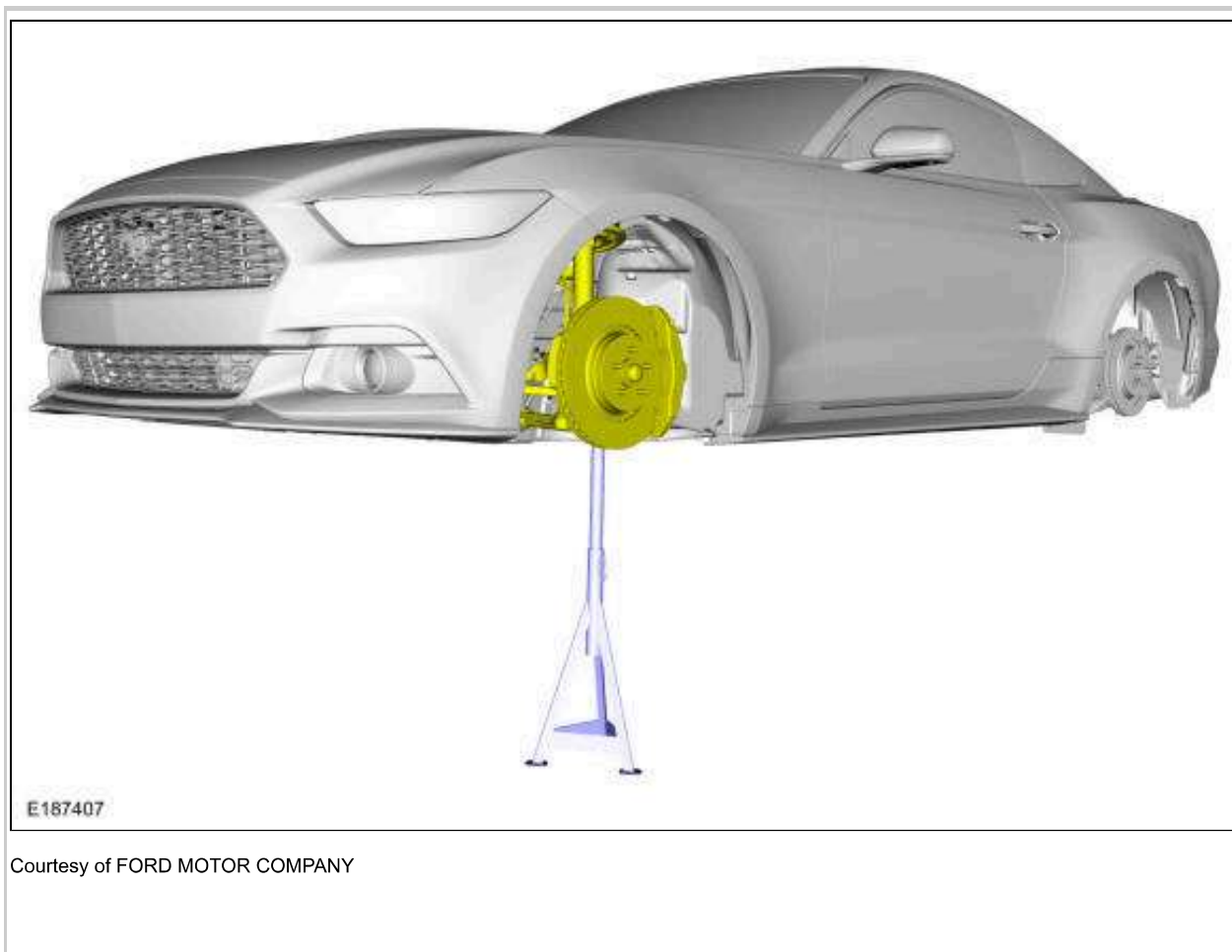
Special Tool(s) / General Equipment

Wheel Alignment System
Vehicle/Axle Stands

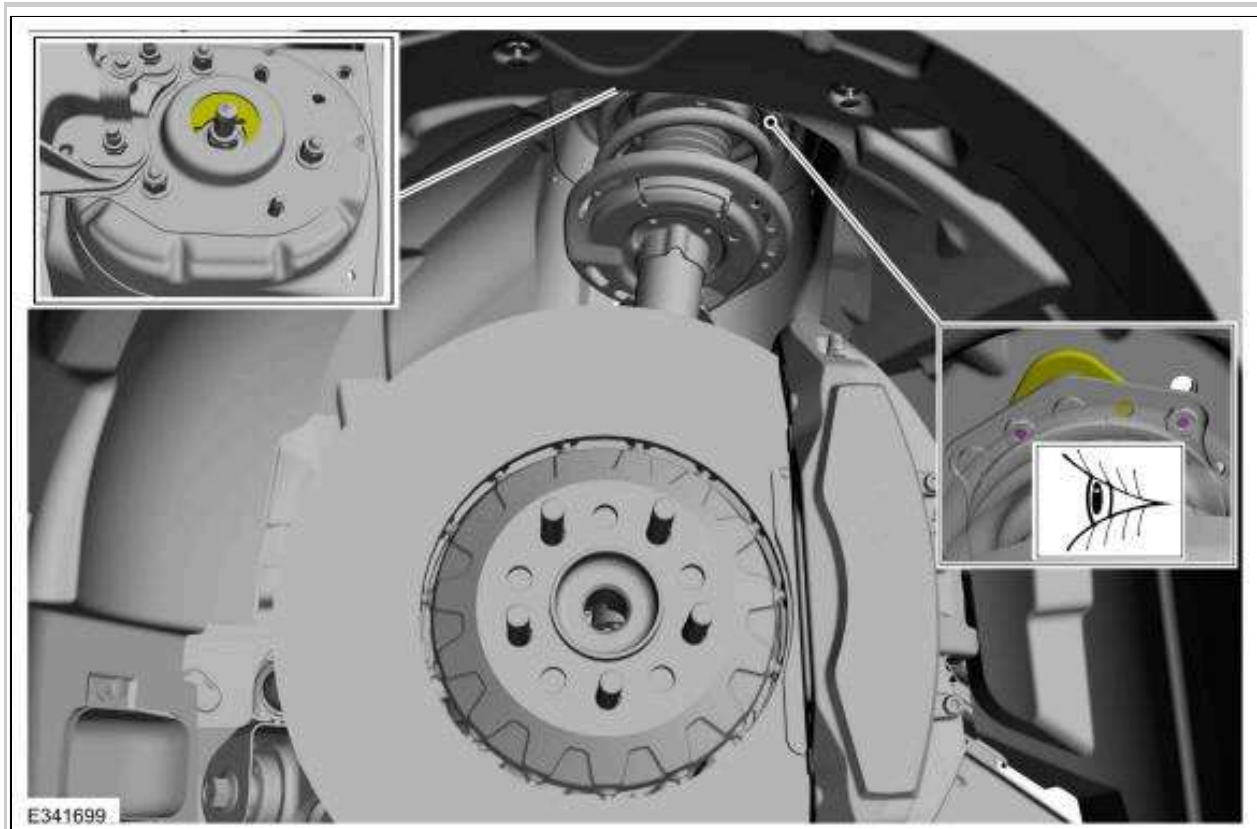
Adjustment

NOTE: *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.*

1. Remove the wheels and tires. Refer to: Wheel and Tire .
2. Support the front suspension. Use the General Equipment: Vehicle/Axle Stands



3. Confirm if camber adjustment plate and set screws are already removed from the strut top mount.

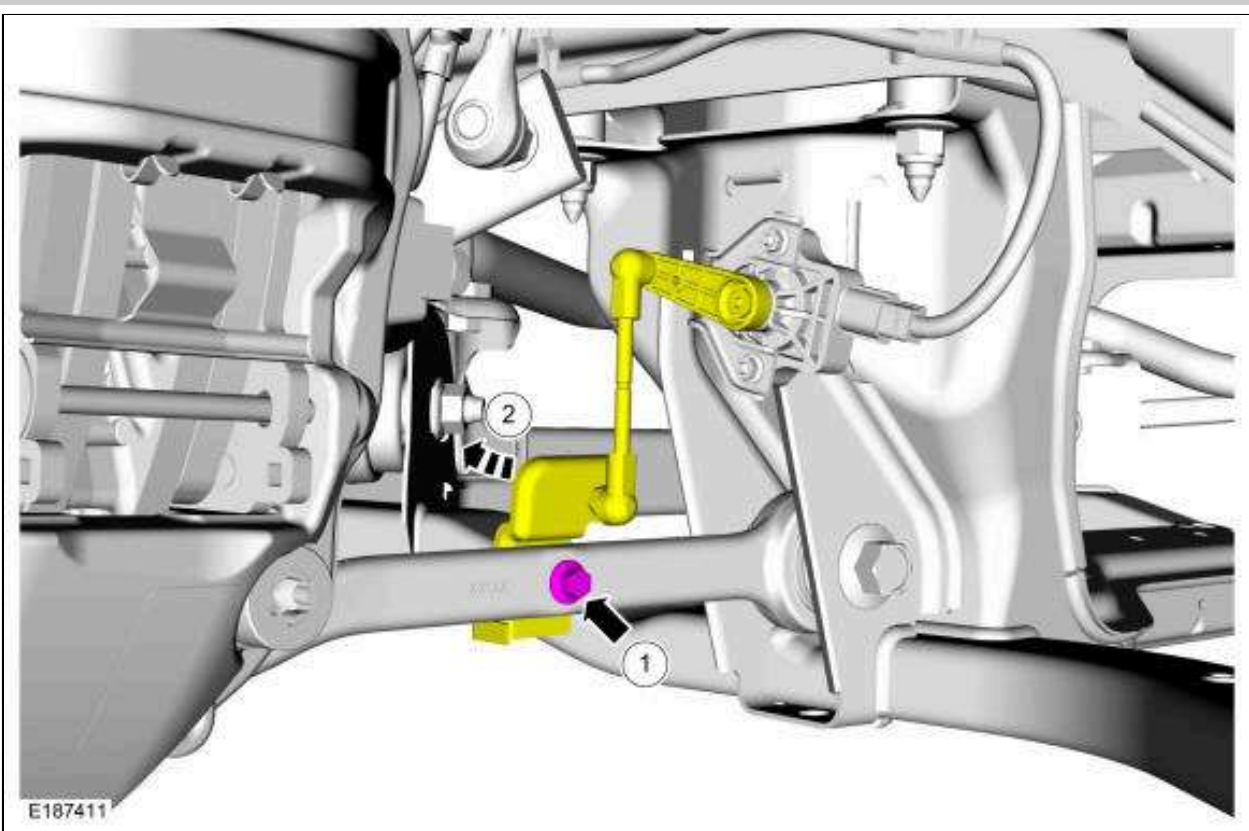


Courtesy of FORD MOTOR COMPANY

4. **NOTE:** *The front suspension height sensor must be disconnected from the lower control arm prior to servicing suspension components or damage to the suspension height sensor and/or the vehicle dynamic suspension system may occur. The sensor will need to be recalibrated after reassembly.*

NOTE: *If equipped with dynamic suspension.*

1. Remove the front suspension height sensor arm bracket bolt.
2. Position the front suspension height sensor arm bracket aside.

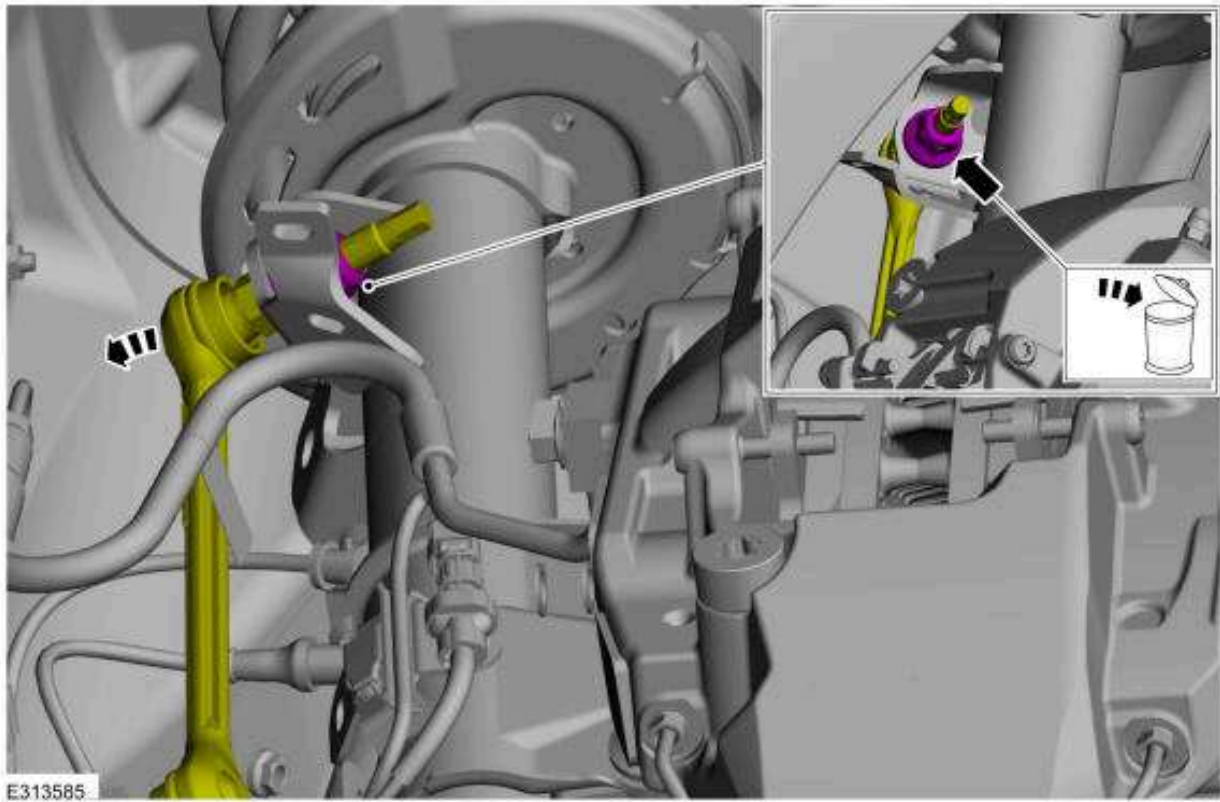


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5. **NOTE:** The stabilizer bar links are designed with low friction ball joints that have a low breakaway torque.

NOTE: Use the hex-holding feature to prevent the ball stud from turning while removing or installing the stabilizer bar link nut.

Remove and discard the front stabilizer bar link upper nut and separate the front stabilizer bar link from the strut and spring assembly.

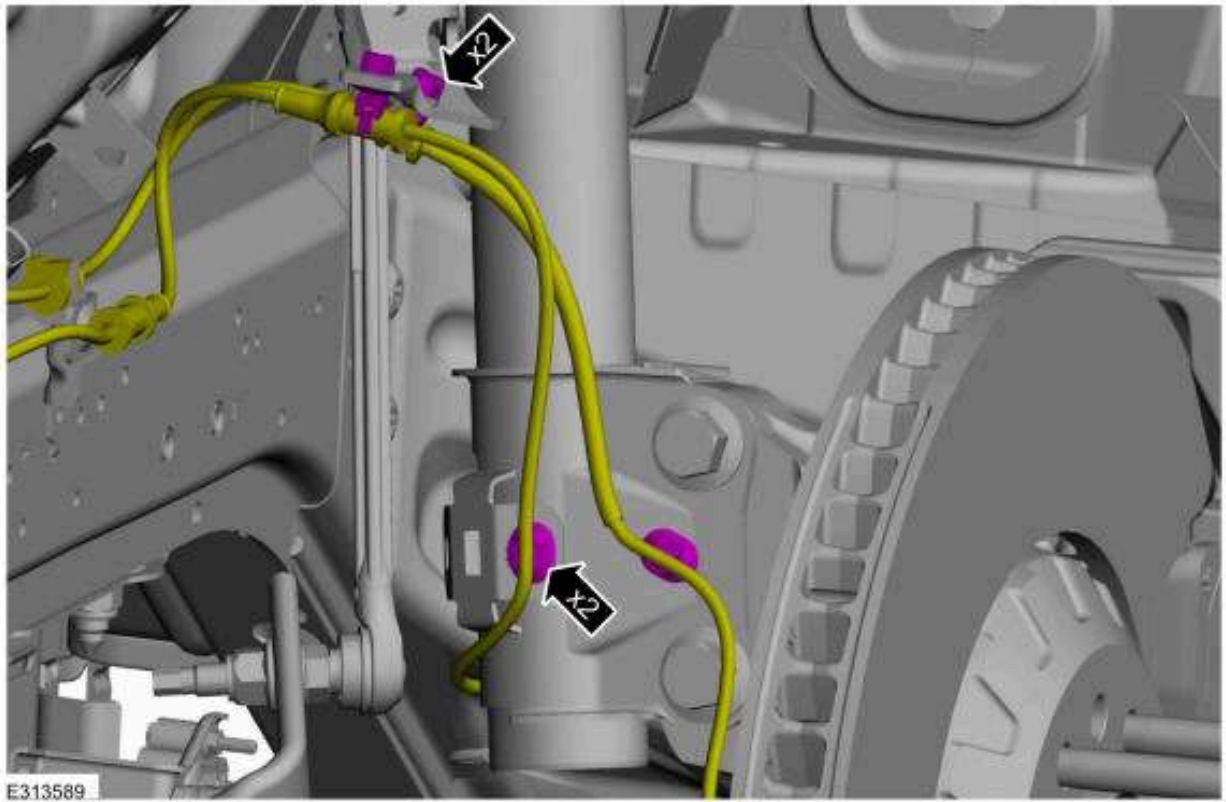


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6. 1. **NOTE:** *If equipped with dynamic suspension.*

Disconnect the dynamic suspension strut wire harness retainers and position the wire harness aside.

1. Disconnect the wheel speed sensor retainers and position the wire harness aside.

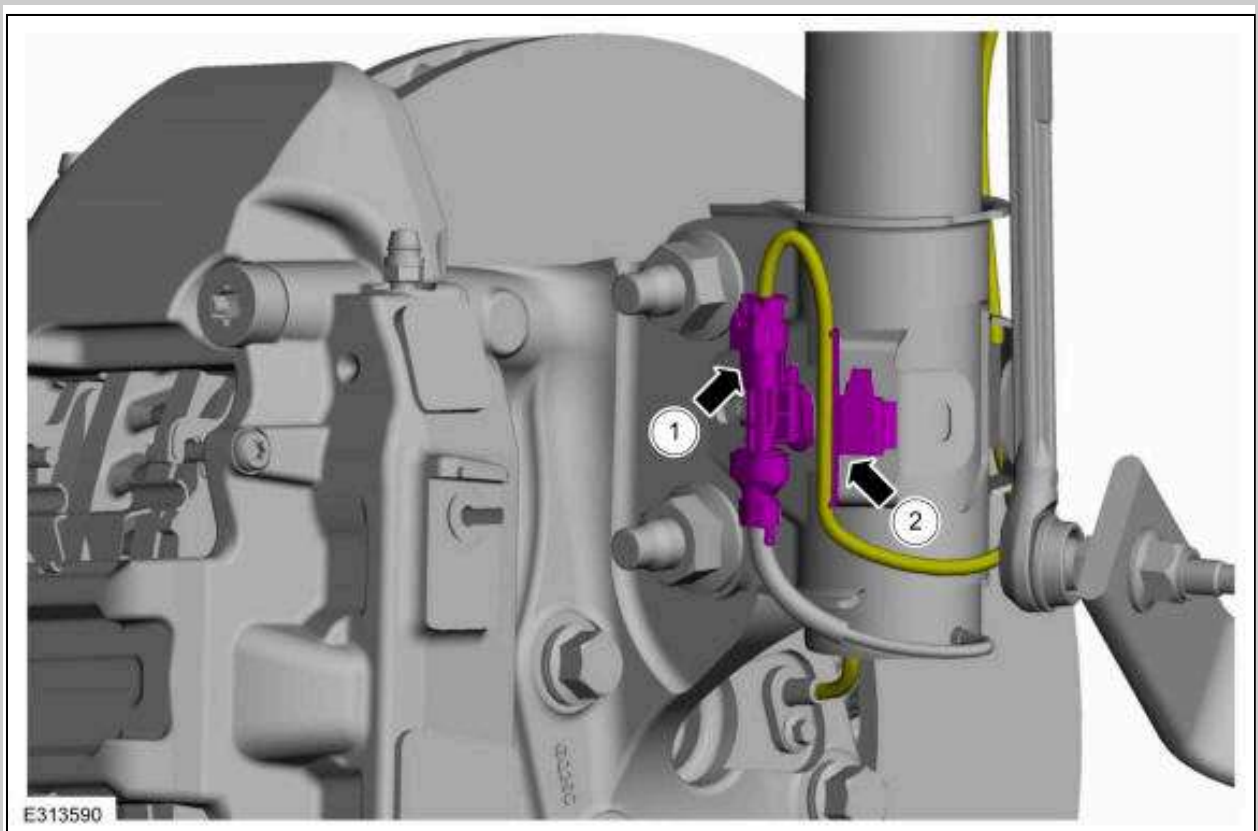


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7. 1. **NOTE:** *If equipped with dynamic suspension.*

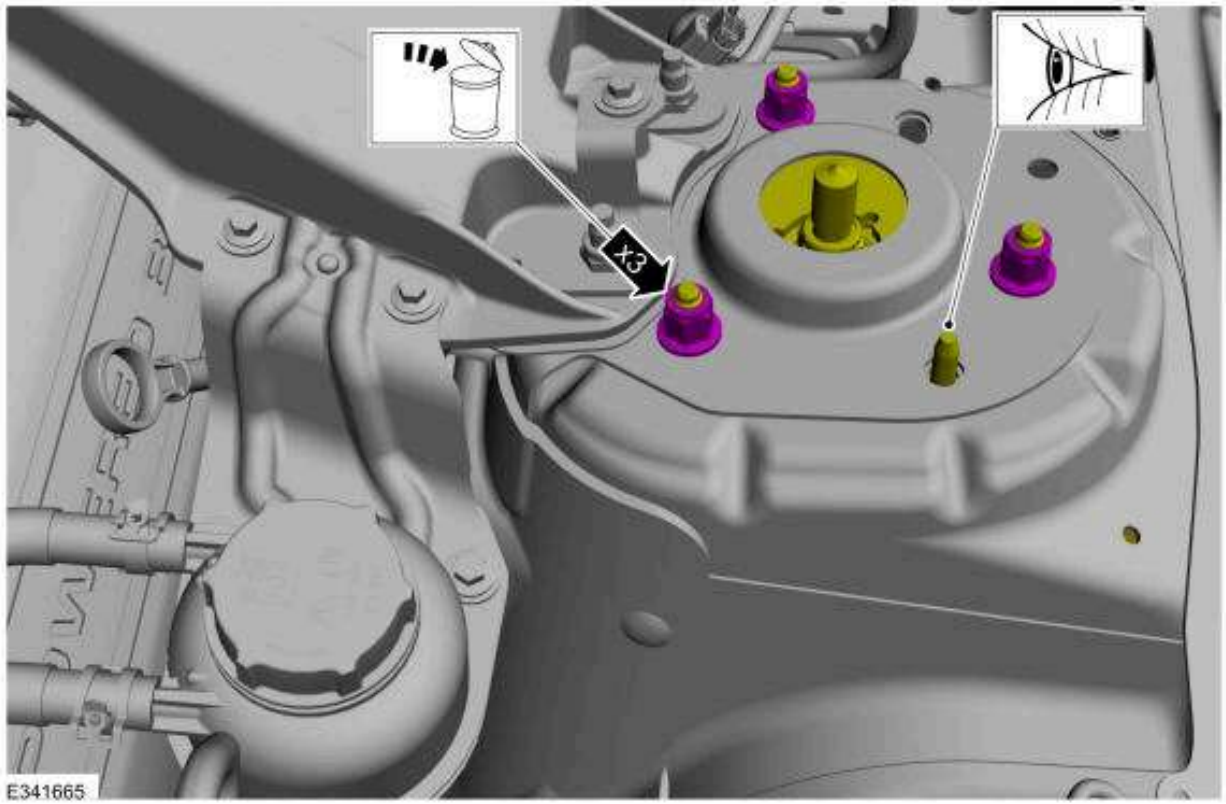
Disconnect the dynamic suspension strut wire harness connector.

2. If equipped. Unclip the brake sensor electrical connector and the wire retainers from the strut.



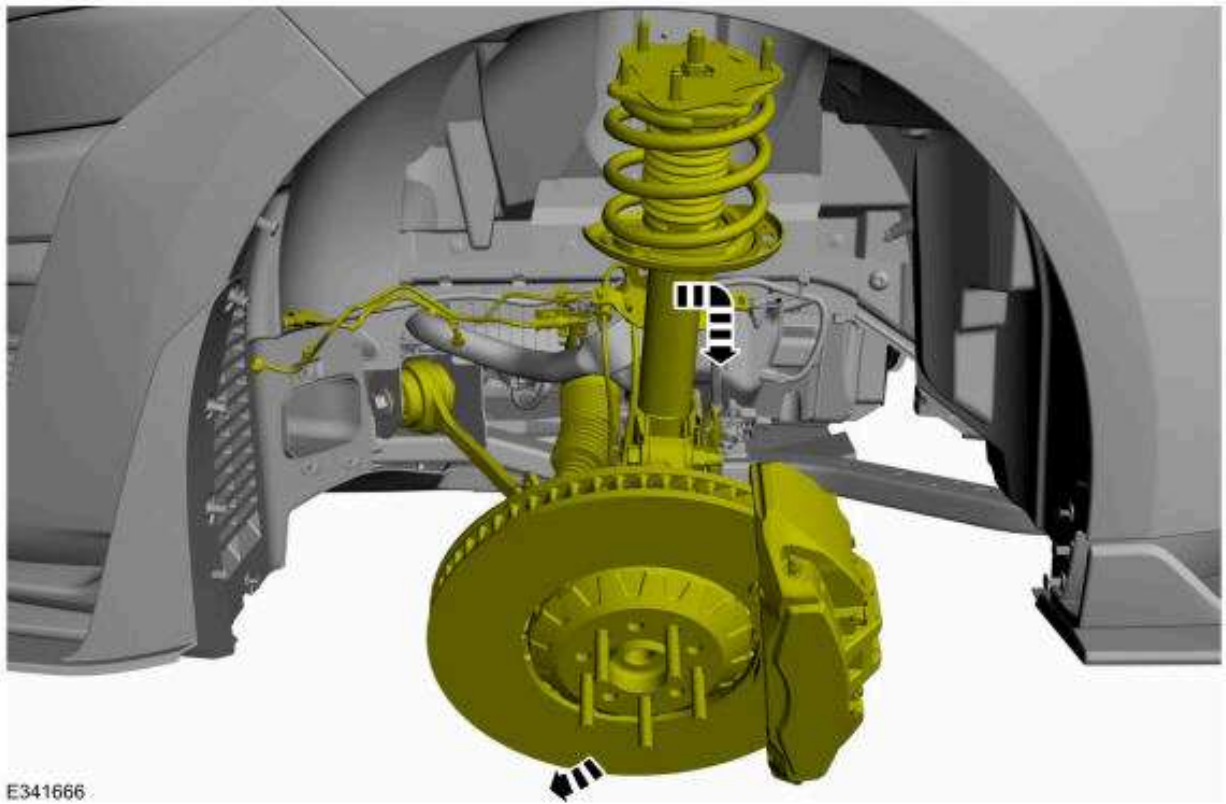
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8. Remove and discard the 3 upper strut mount nuts.



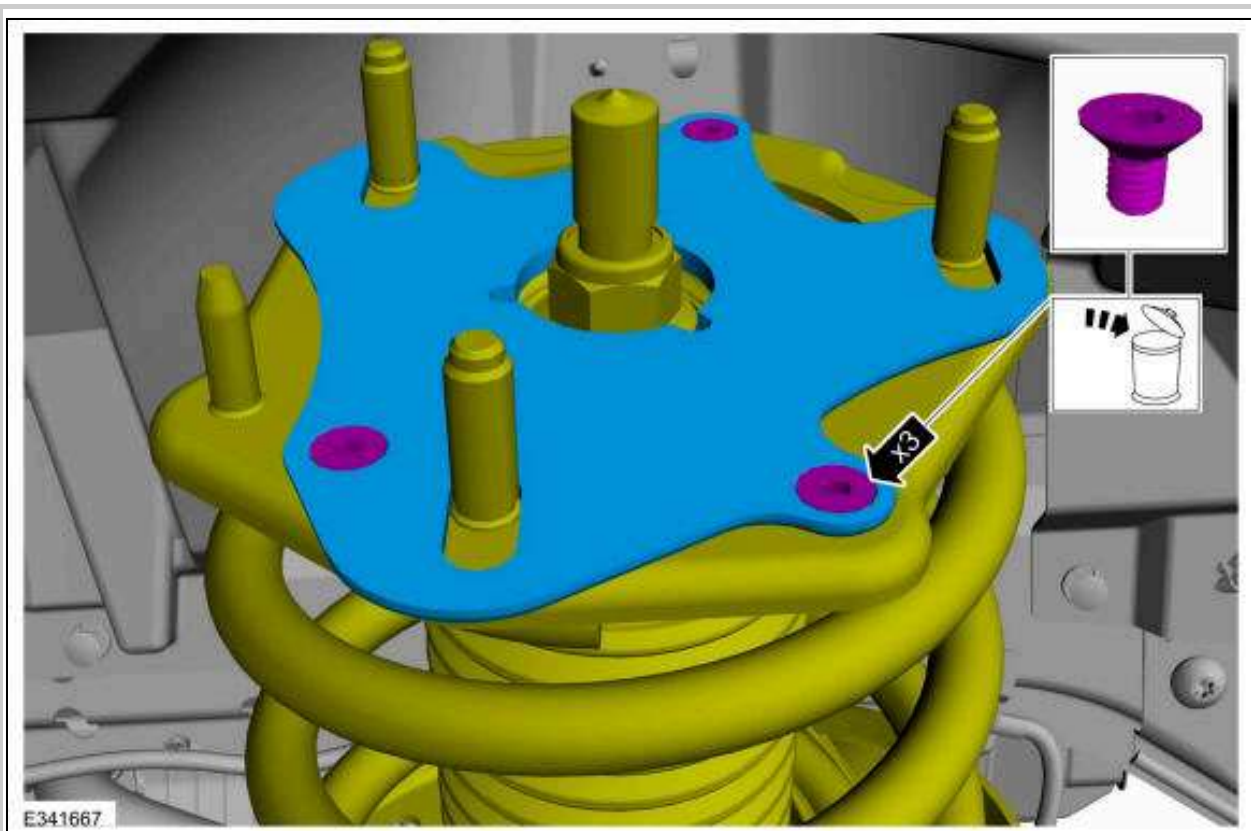
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9. Position the lower arms and wheel knuckle down to gain clearance for removing the strut top mount plate set screws. Use the General Equipment: Vehicle/Axle Stands



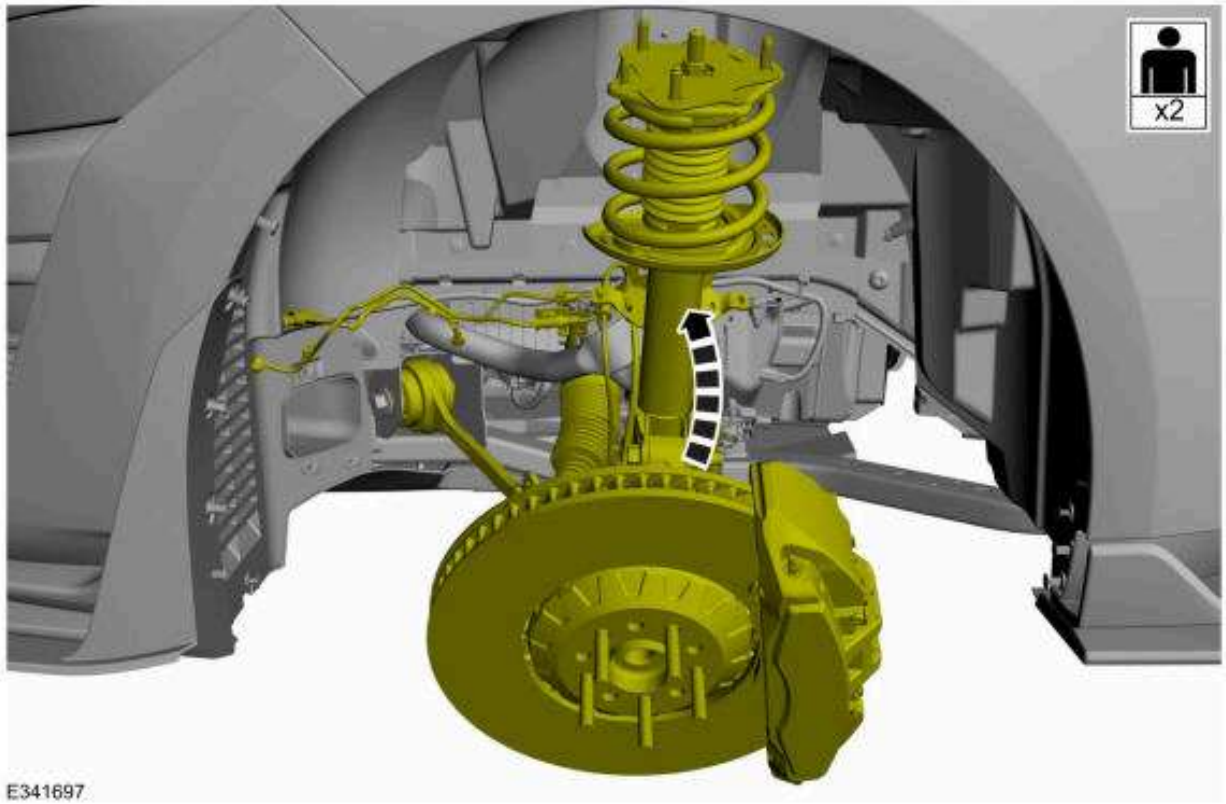
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10. Remove and discard the strut top mount plate 3 set screws.



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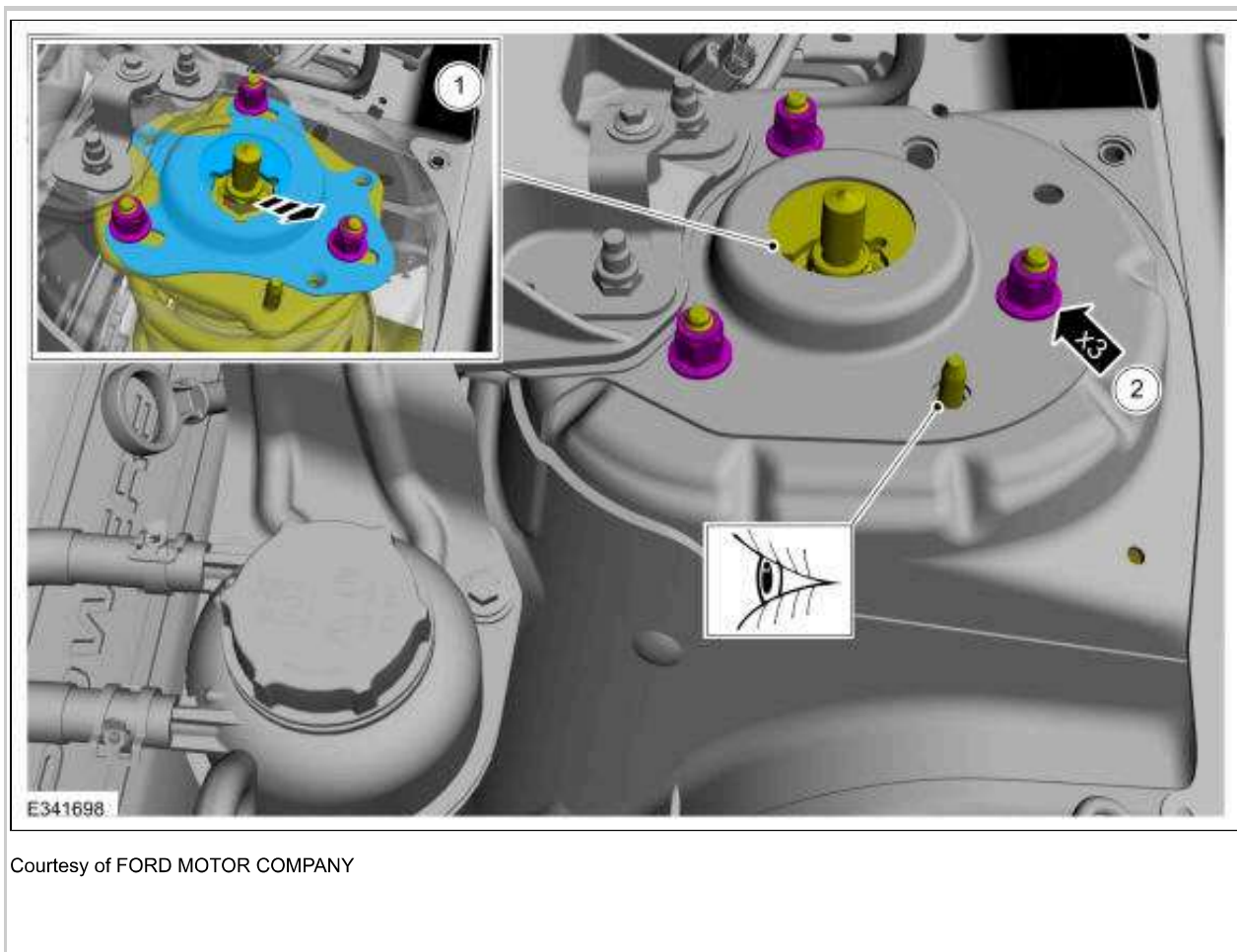
11. Raise and position the lower arms and wheel knuckle to the strut top mount. Use the General Equipment: Vehicle/Axle Stands



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12. **NOTE:** *Make sure that the strut mounts are set to the full outboard position.*

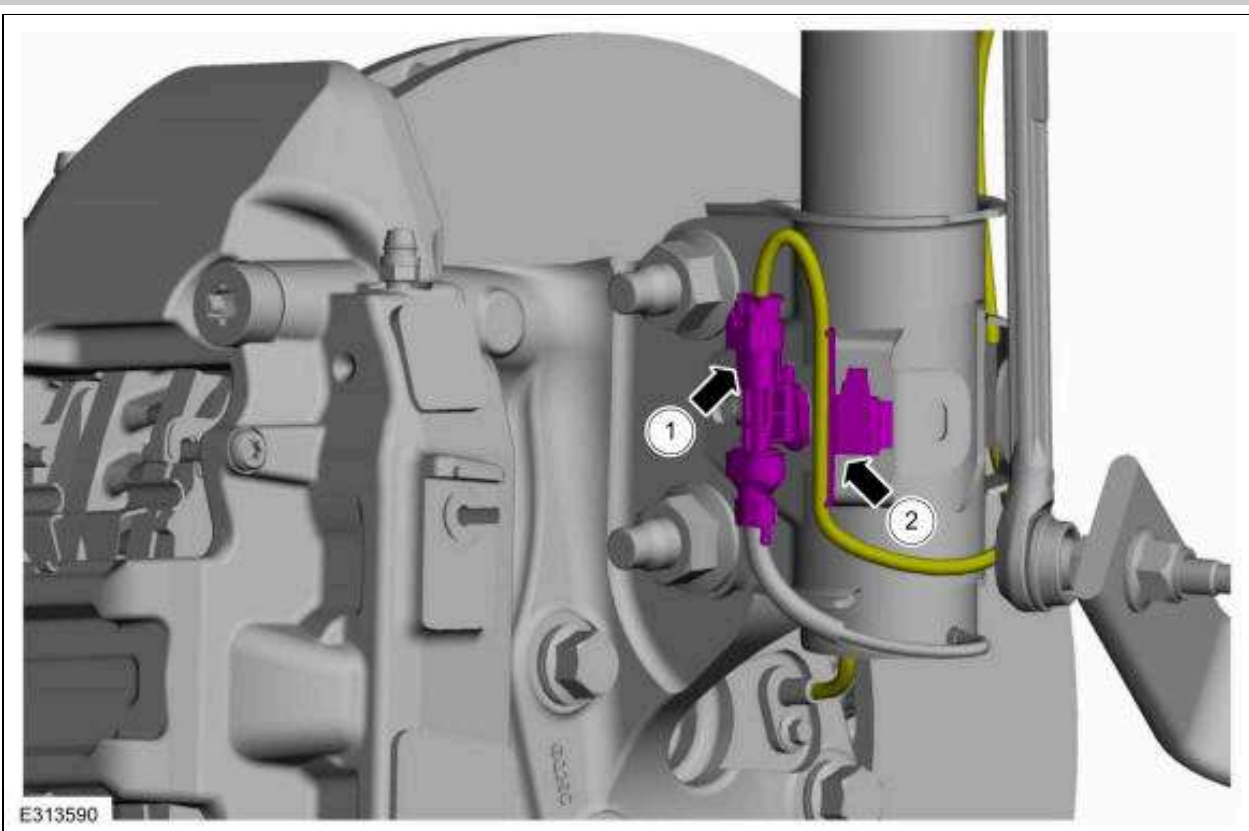
1. Set the strut mounts to the full outboard as built position.
2. Tighten the 3 new upper strut mount nuts.
Torque: 46 lb.ft (63 Nm)



13. 1. **NOTE:** *If equipped with dynamic suspension.*

Connect the dynamic suspension strut wire harness connector.

2. If equipped. Clip the brake sensor electrical connector and the wire retainers to the strut.

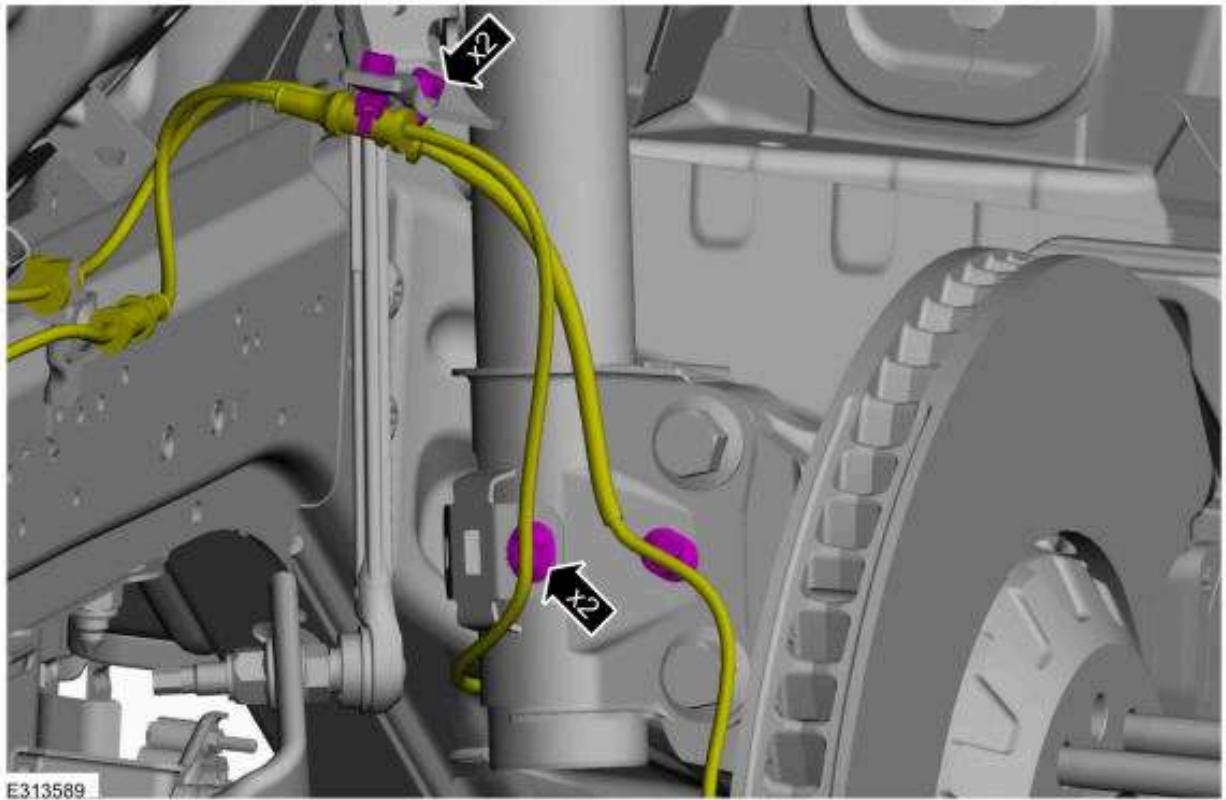


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14. 1. Connect the wheel speed sensor retainers.

1. **NOTE:** *If equipped with dynamic suspension.*

Connect the dynamic suspension strut wire harness retainers.



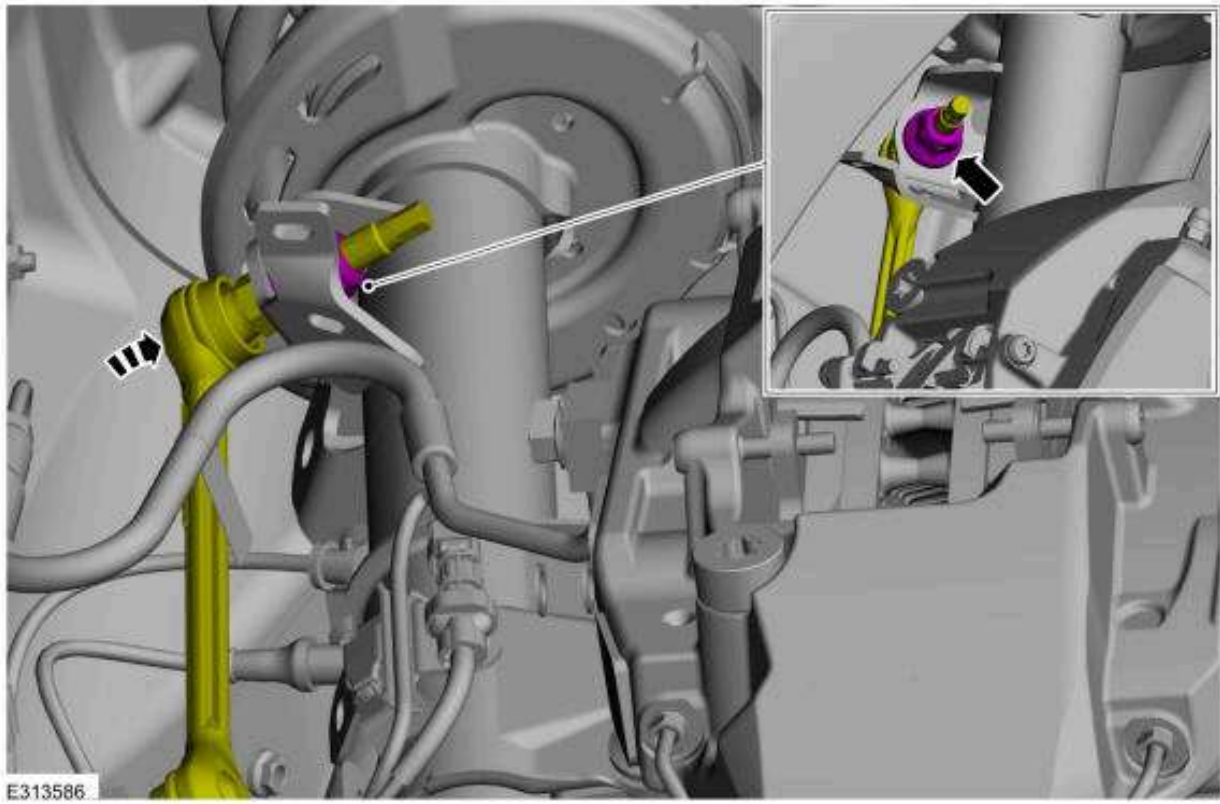
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15. 1. Position the front stabilizer bar link.

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

NOTE: *Use the hex-holding feature to prevent the ball stud from turning while removing or installing the stabilizer bar link nut.*

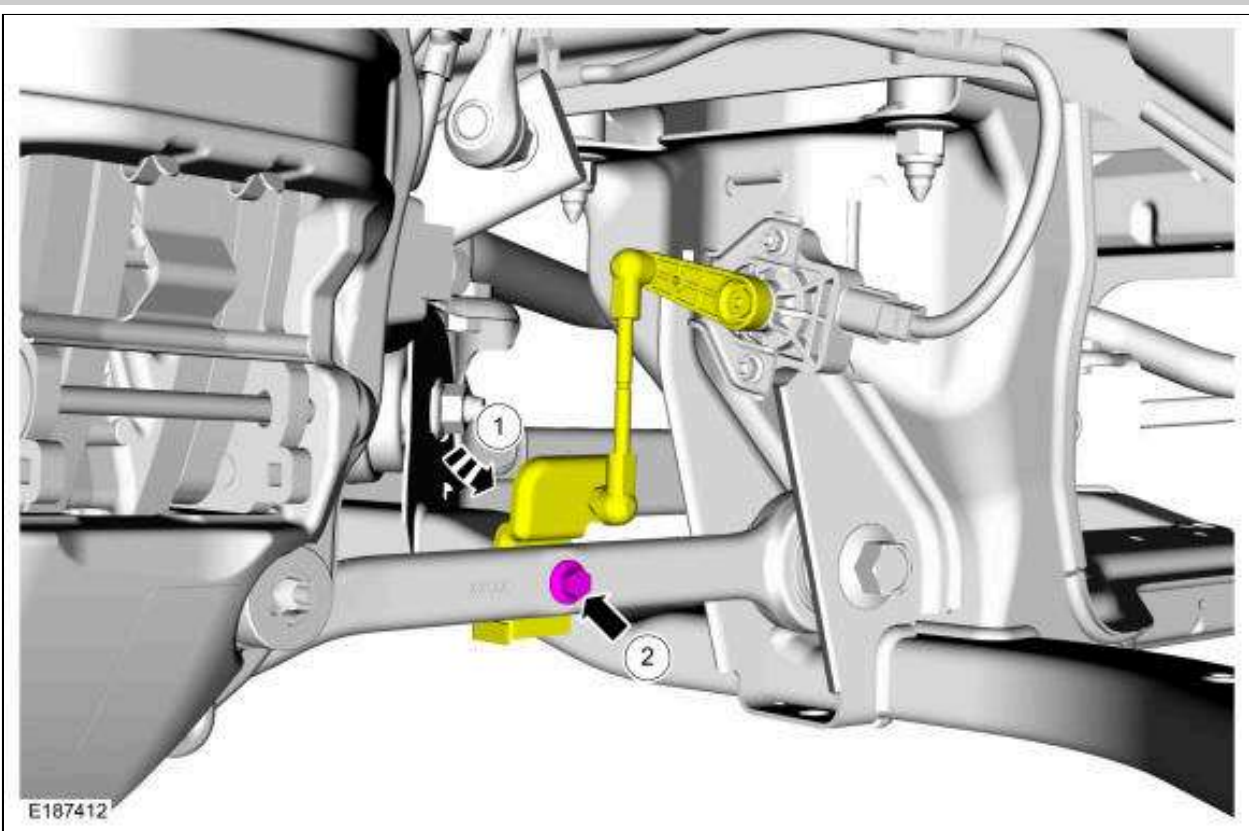
Install the front stabilizer bar link upper nut.
Torque: 85 lb.ft (115 Nm)



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16. **NOTE:** *If equipped with dynamic suspension.*

1. Position the front suspension height sensor arm bracket.
2. Install the front suspension height sensor arm bracket bolt.
Torque: 177 lb.in (20 Nm)



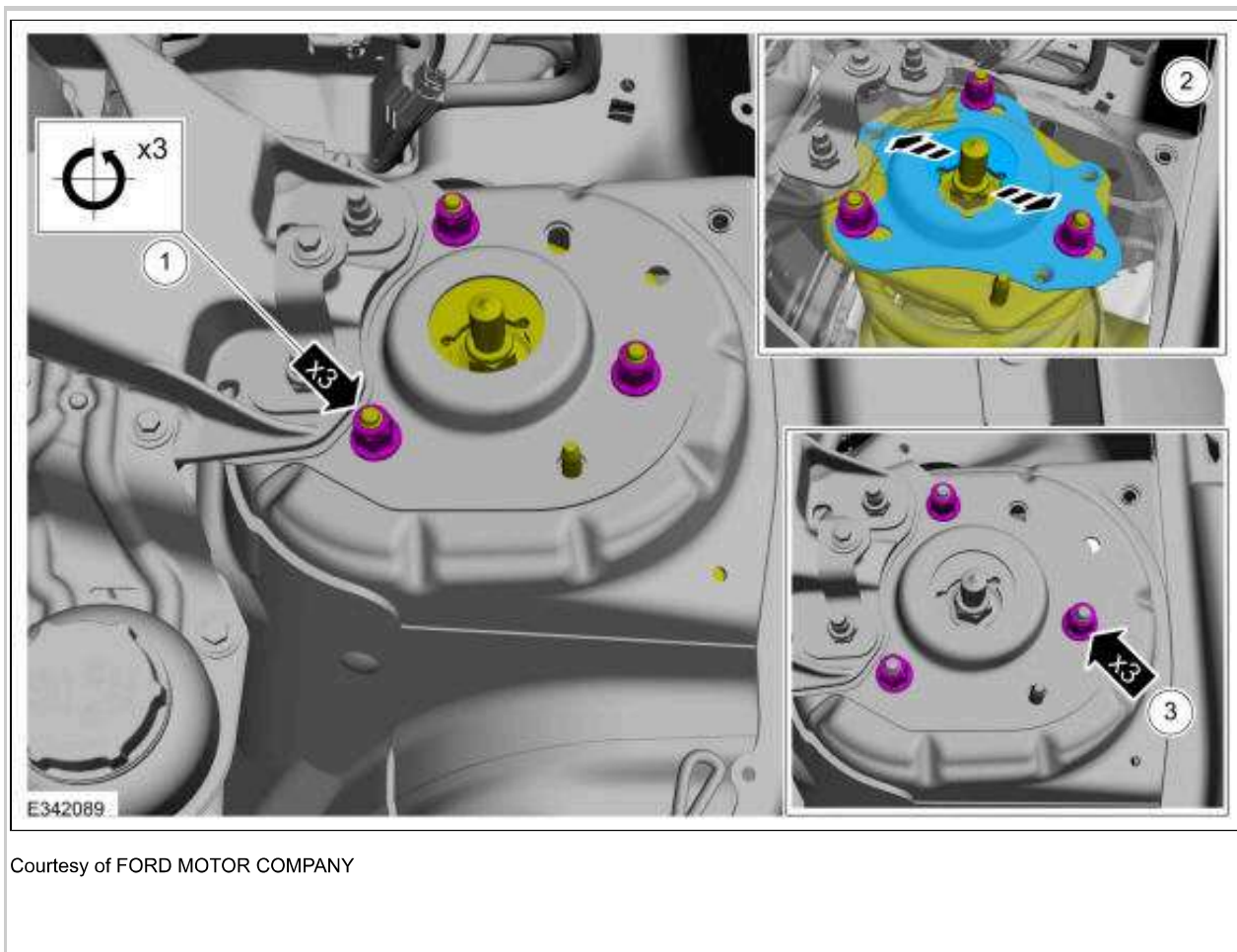
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17. Install the wheels and tires. Refer to: Wheel and Tire .

18. **NOTE:** *Adjust the camber by loosening the strut top mount nuts.*

Using alignment equipment and the manufacturer's instructions, adjust the front camber as necessary.

1. Loosen the strut top mount nuts.
2. Adjust the camber by moving strut assembly to the inboard or outboard position. Use the General Equipment: Wheel Alignment System
3. Tighten the 3 upper strut mount nuts.
Torque: 46 lb.ft (63 Nm)



19. Check and adjust front toe if necessary. Refer to: Front Toe Adjustment .
20. Calibrate the suspension system. Connect the scan tool and carry out the Ride Height Calibration routine. Follow the scan tool directions.