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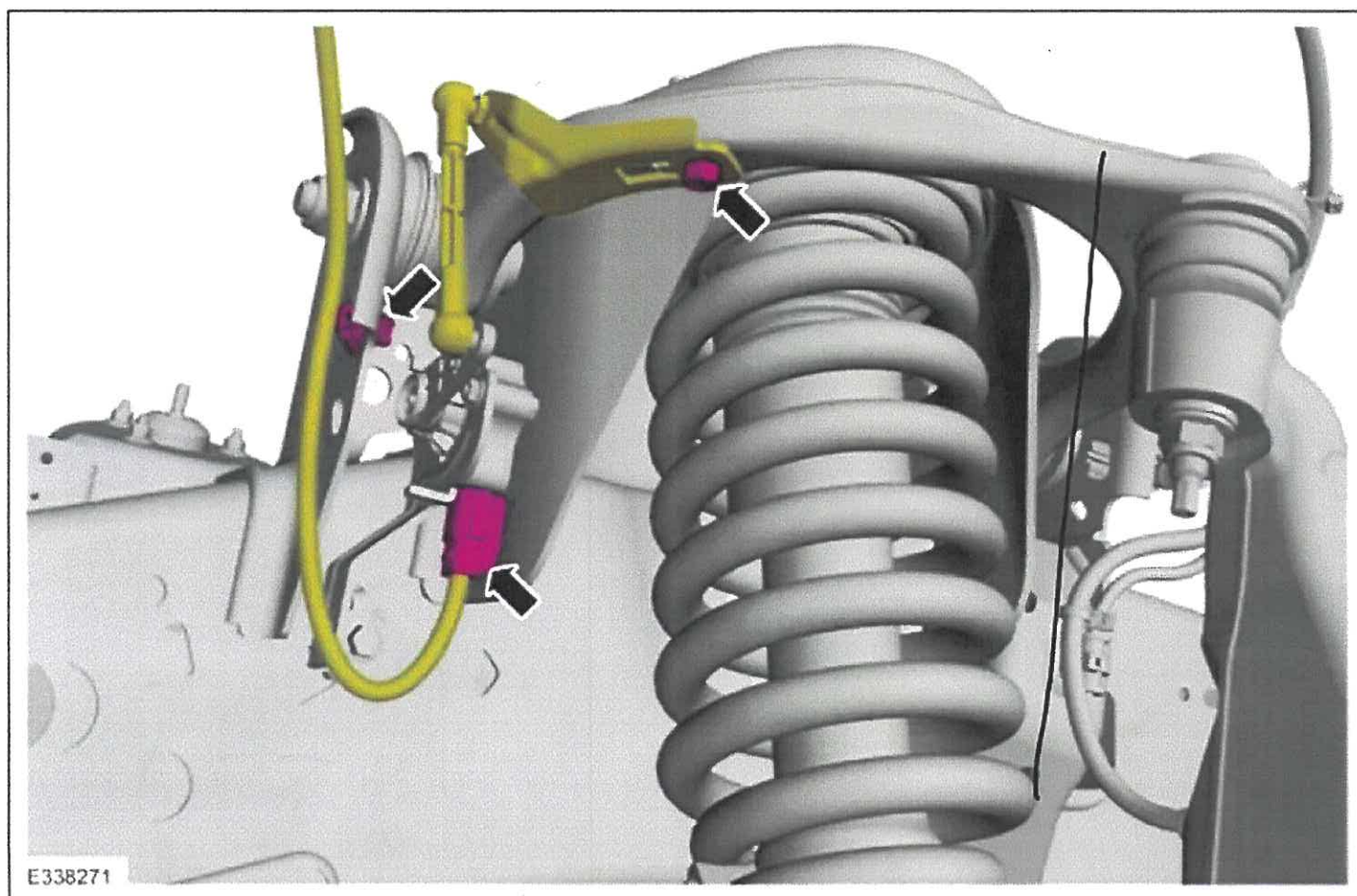
Tighten the 2 new upper arm bolts and nuts.

Torque : 122 lb.ft (165 Nm)

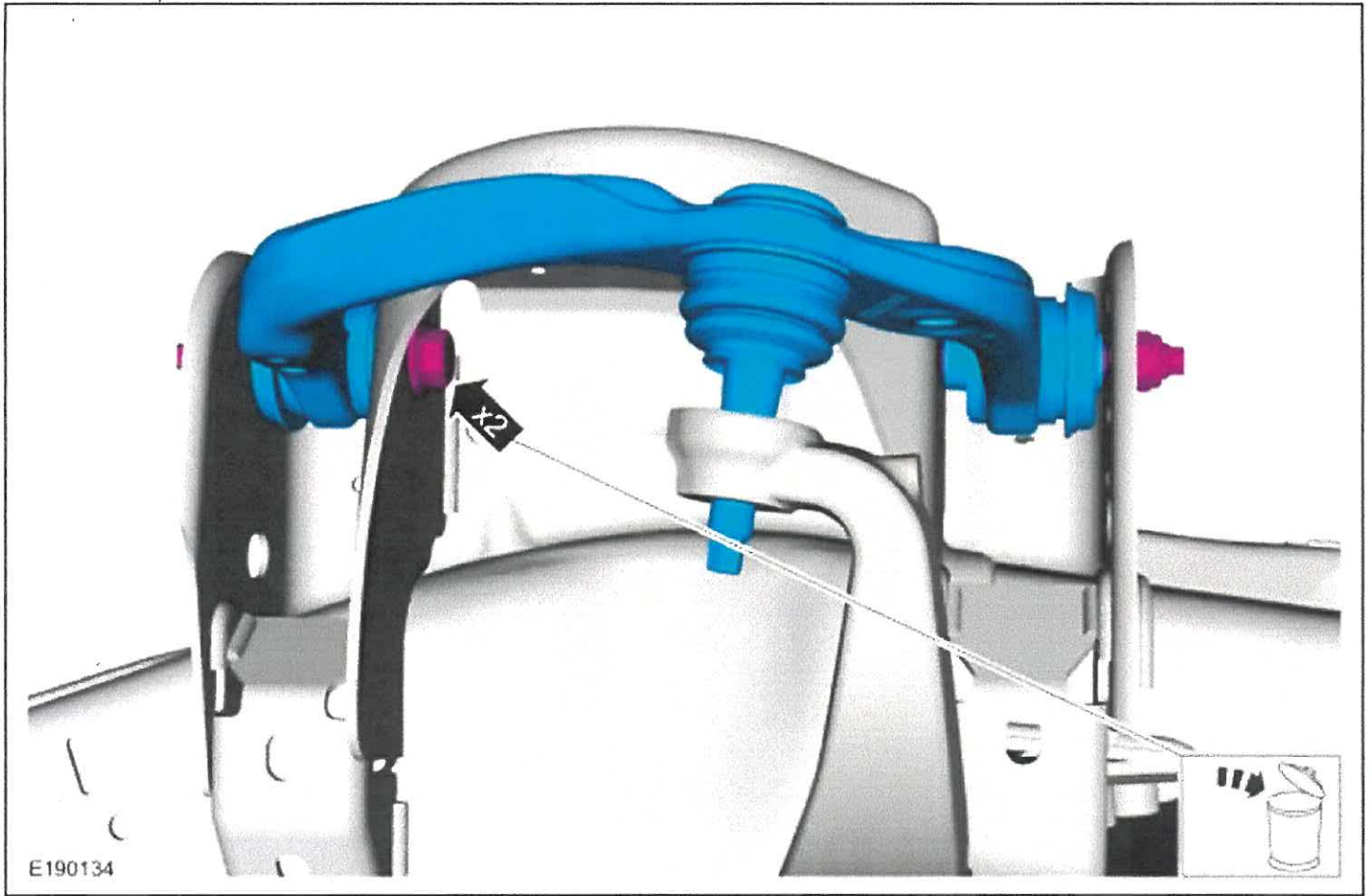
2. **NOTICE:** The front suspension height sensor must be disconnected from the upper control arm prior to servicing suspension components or damage to the suspension height sensor and/or the vehicle dynamic suspension system may occur. The sensor will need to be recalibrated after reassembly.

If equipped.

- Disconnect the height sensor electrical connector and harness retainer.
- Remove the bolt and detach the height sensor arm from the upper control arm.



3. Remove the shock absorber and spring assembly.
Refer to: [Shock Absorber and Spring Assembly - Flex Fuel – Ethanol/Gasoline \(204-01B Front Suspension - LHD 4WD, Removal and Installation\)](#) .
4. Remove and discard the 2 upper arm bolts and nuts and remove the upper arm.

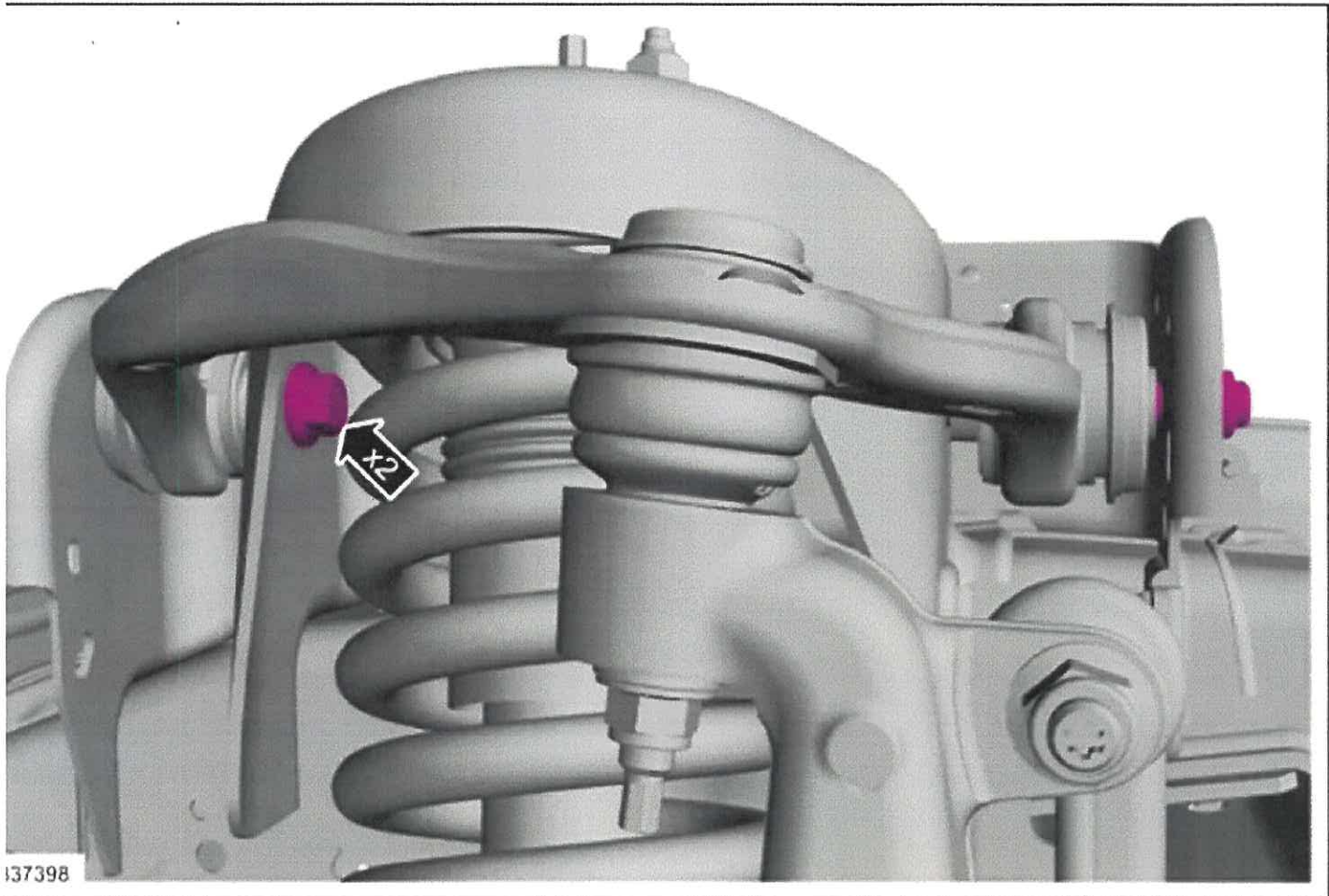


Installation

NOTICE: Tighten the suspension bushing fasteners with the suspension loaded or with the weight of the vehicle resting on the wheels and tires, otherwise incorrect clamp load and bushing damage may occur.

1. **NOTE:** Only tighten the nuts and bolts finger tight at this stage.

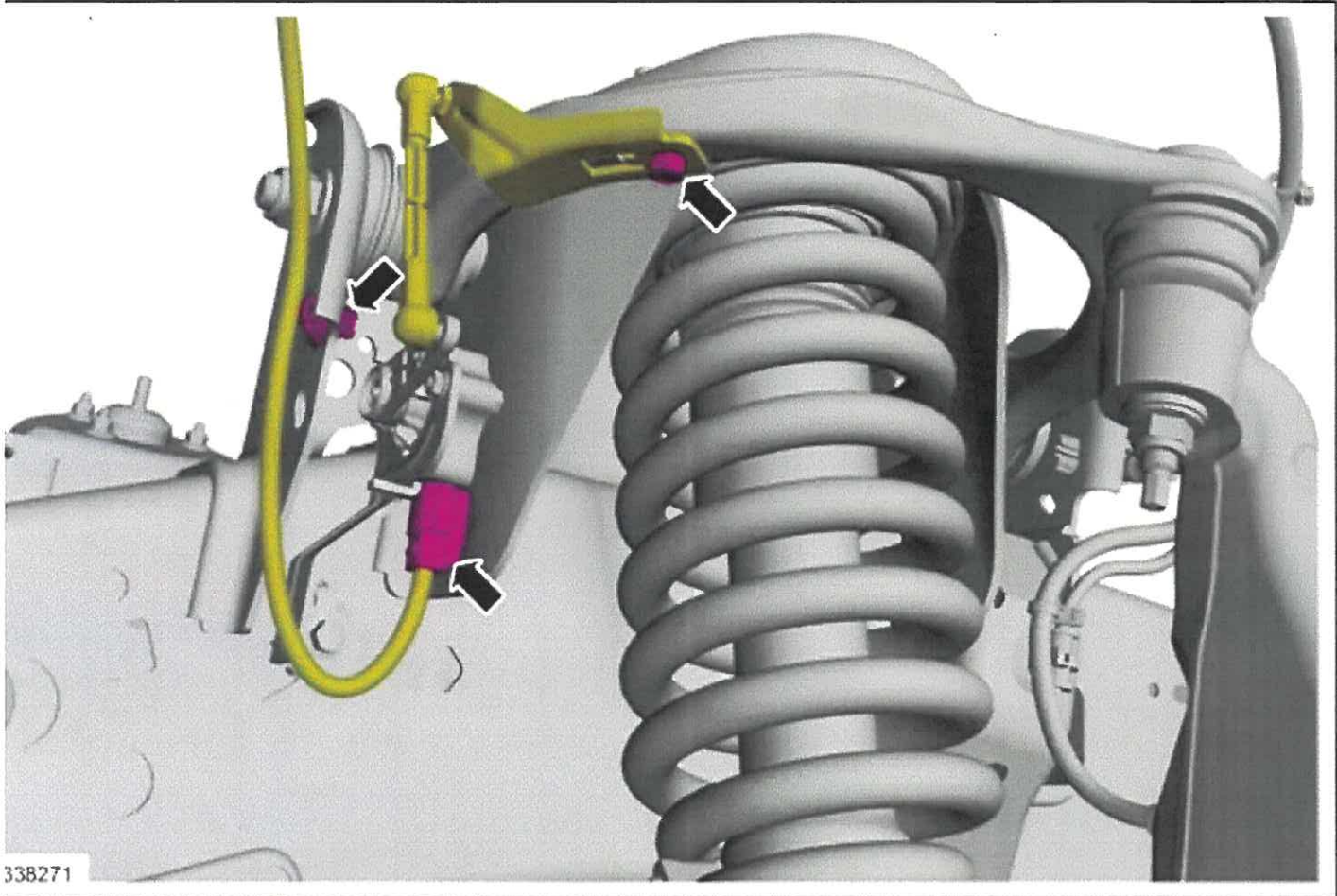
Install the upper arm and install the 2 new upper arm bolts and nuts.



5. **NOTICE:** The front suspension height sensor must be disconnected from the upper 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.

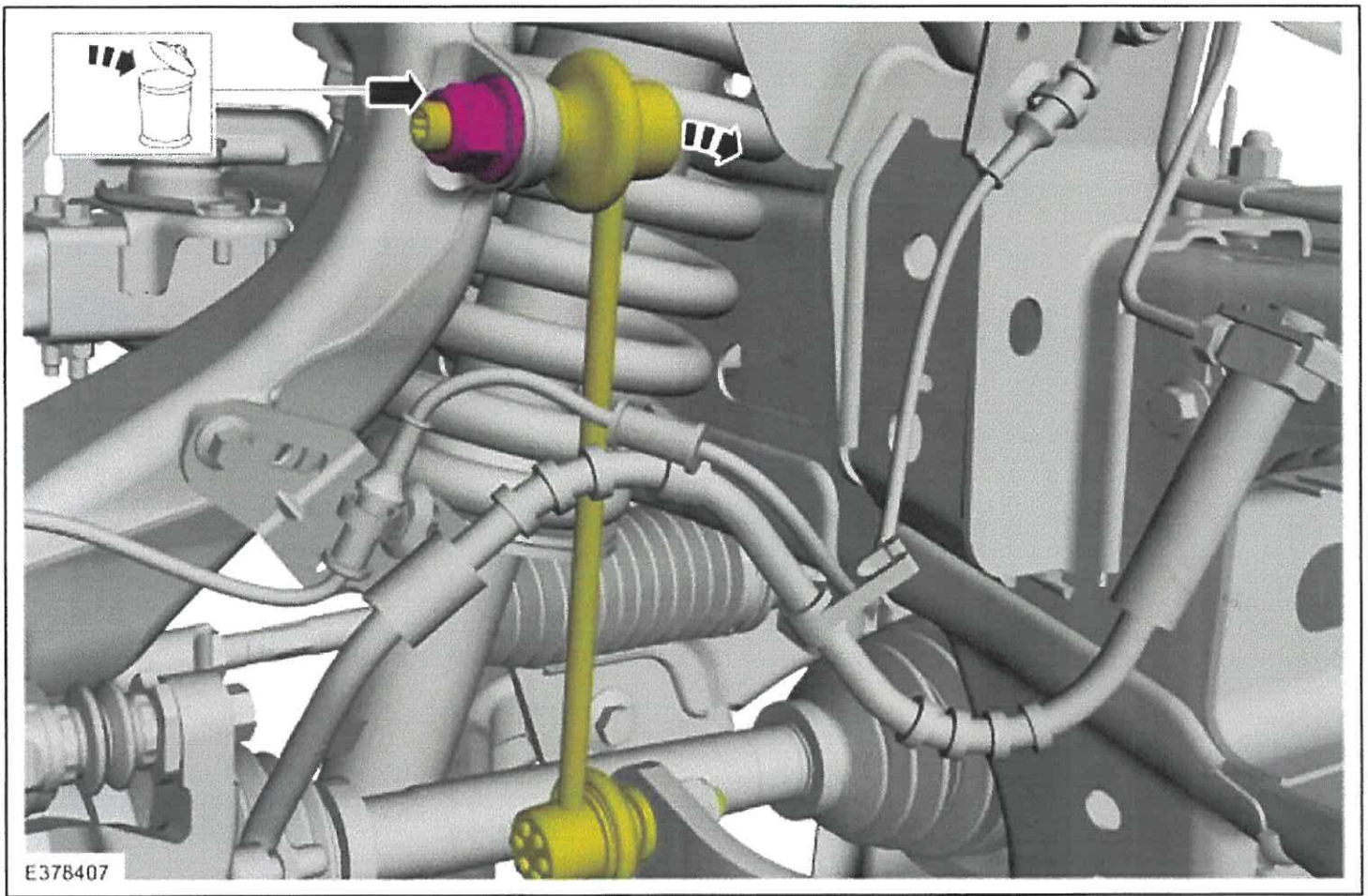
If equipped.

- Position the height sensor and install the height sensor bracket bolt.
Torque : 177 lb.in (20 Nm)
- Connect the height sensor electrical connector and harness retainer.



6. Calibrate the suspension system. Connect the scan tool and carry out the Ride Height Calibration routine. Follow the scan tool directions.

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3. Disconnect the battery ground cable.

Refer to: [Battery Disconnect and Connect](#) (414-01 Battery, Mounting and Cables, General Procedures) .

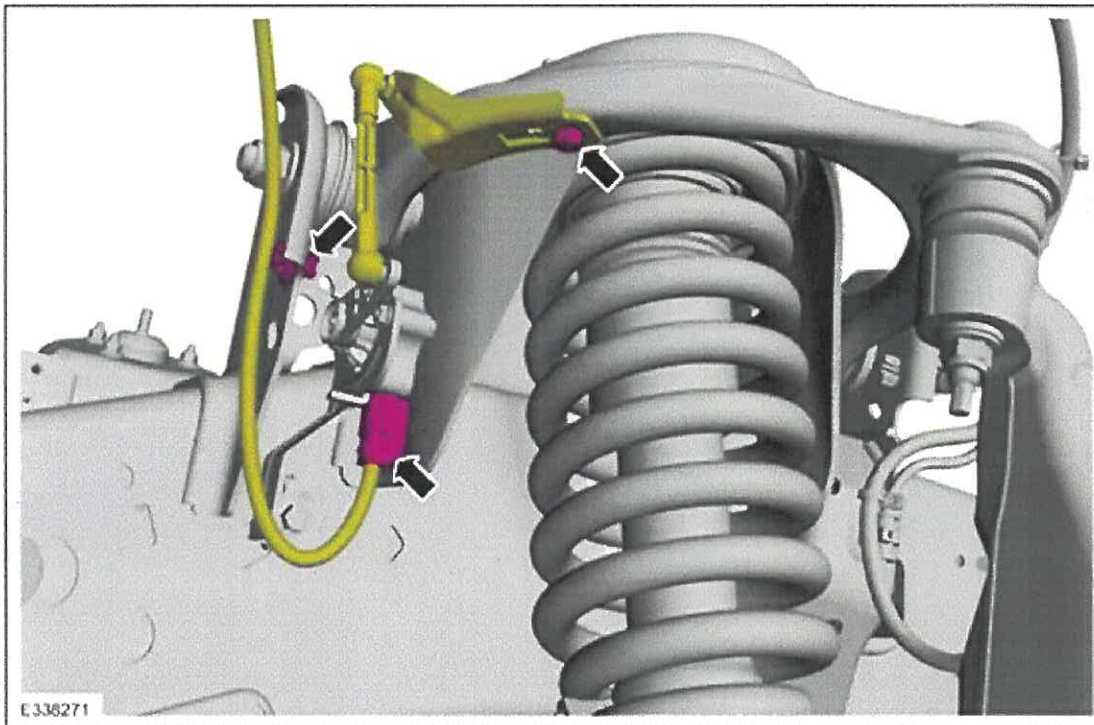
4. **NOTICE: Do not use a hammer to separate the outer tie-rod end from the wheel knuckle or damage to the wheel knuckle may result.**

NOTICE: Use care when installing the tie rod separator or damage to the outer tie-rod end boot may occur.

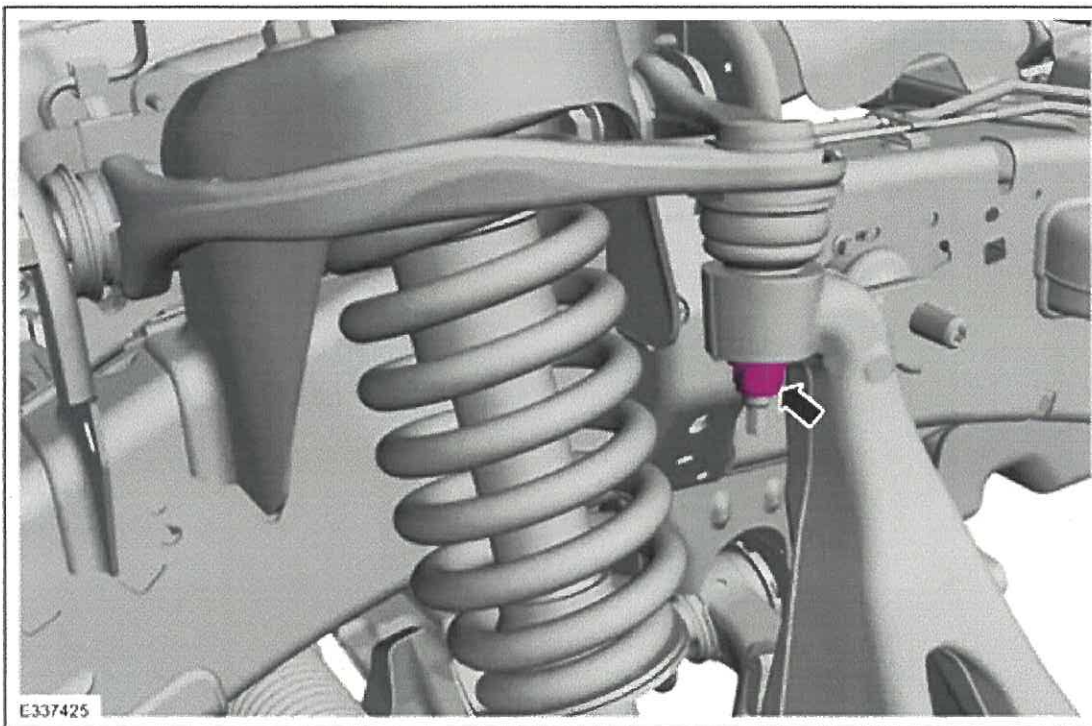
Remove and discard the tie rod end nut and separate the tie rod end from the wheel knuckle.
Use the General Equipment: Tie Rod End Remover

is removed.

- Position the height sensor and install the height sensor bracket bolt.
Torque : 177 lb.in (20 Nm)
- Connect the height sensor electrical connector and harness retainer.



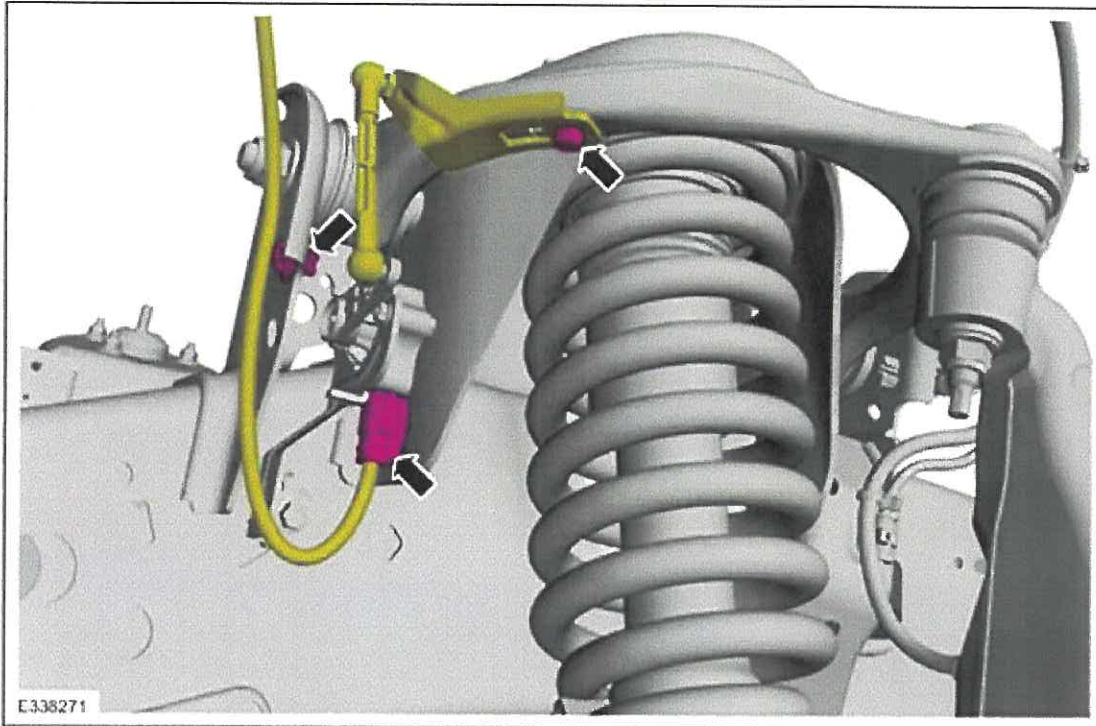
5. Install the 2 new shock absorber and spring assembly lower nuts.
Torque : 66 lb.ft (90 Nm)



4. **NOTICE:** The front suspension height sensor must be disconnected from the upper 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.

If removed.

- Position the height sensor and install the height sensor bracket bolt.
Torque : 177 lb.in (20 Nm)
- Connect the height sensor electrical connector and harness retainer.



6. Remove and discard the upper ball joint nut.