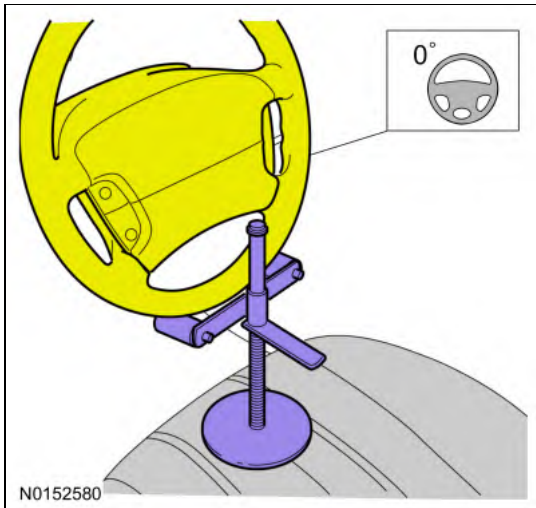


Electronic Steering Actuator

Removal

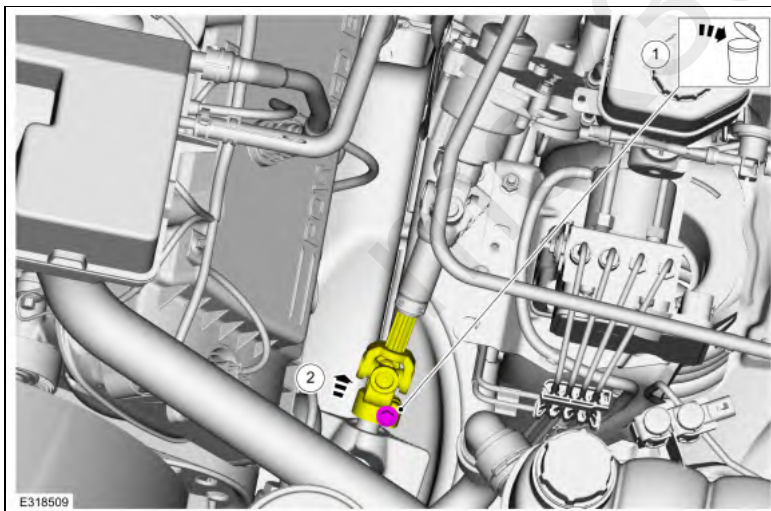
NOTE: Removal steps in this procedure may contain installation details.

1. If installing a new electronic steering actuator, upload the PSCM configuration to the scan tool.
Refer to: Module Configuration - System Operation and Component Description (418-01 Module Configuration, Description and Operation).
2. Using a suitable holding device, hold the steering wheel in the straight-ahead position.



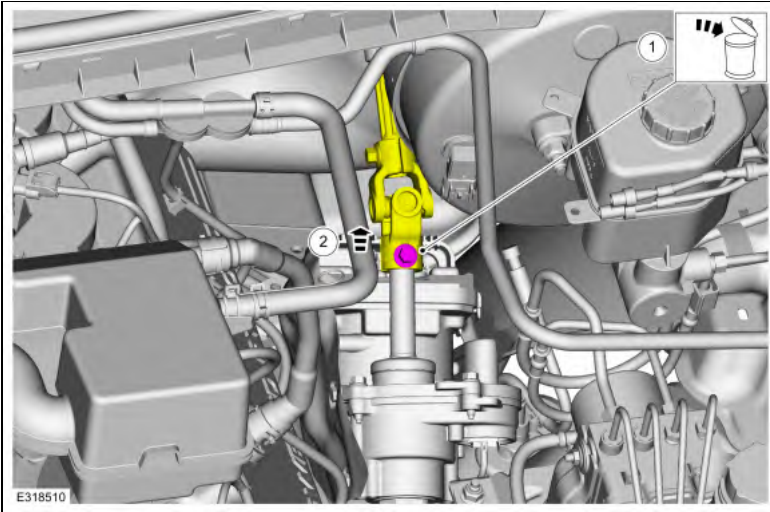
3. **WARNING: Do not reuse steering column shaft bolts. This may result in fastener failure and steering column shaft detachment or loss of steering control. Failure to follow this instruction may result in serious injury to vehicle occupant(s).**

1. Remove and discard the steering column shaft bolt.
2. Separate the lower steering column shaft coupler from the steering gear.



4. **WARNING: Do not reuse steering column shaft bolts. This may result in fastener failure and steering column shaft detachment or loss of steering control. Failure to follow this instruction may result in serious injury to vehicle occupant(s).**

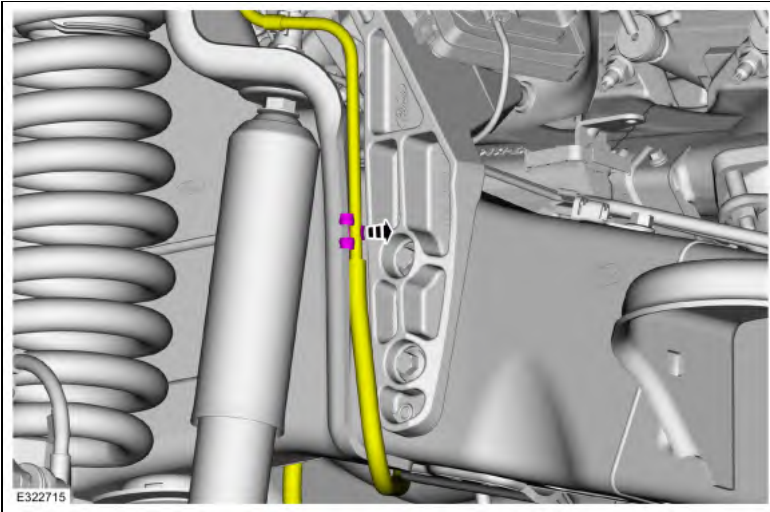
1. Remove and discard the steering column shaft bolt.
2. Separate the steering column upper shaft coupler from the electronic steering actuator.



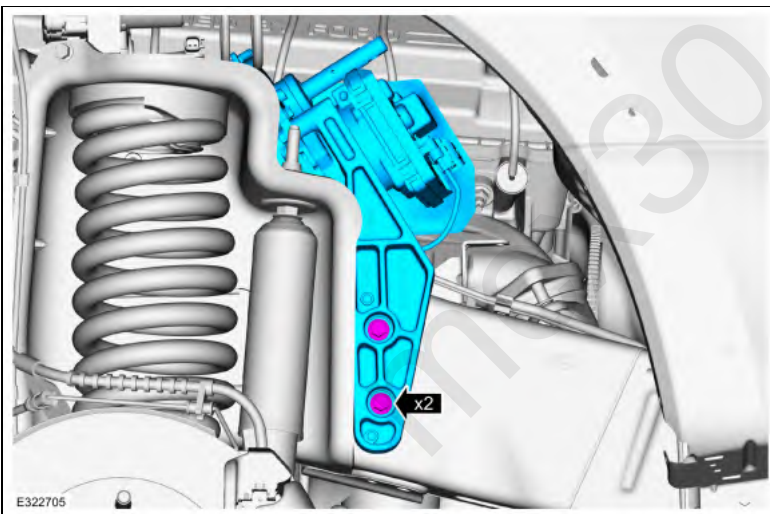
5. Remove the LHF fender splash shield.
Refer to: Fender Splash Shield (501-02 Front End Body Panels, Removal and Installation).
6. Disconnect the PSCM electrical connector.



7. **NOTE:** 4x4 vehicles.
Unclip and position aside the front differential vent hose.

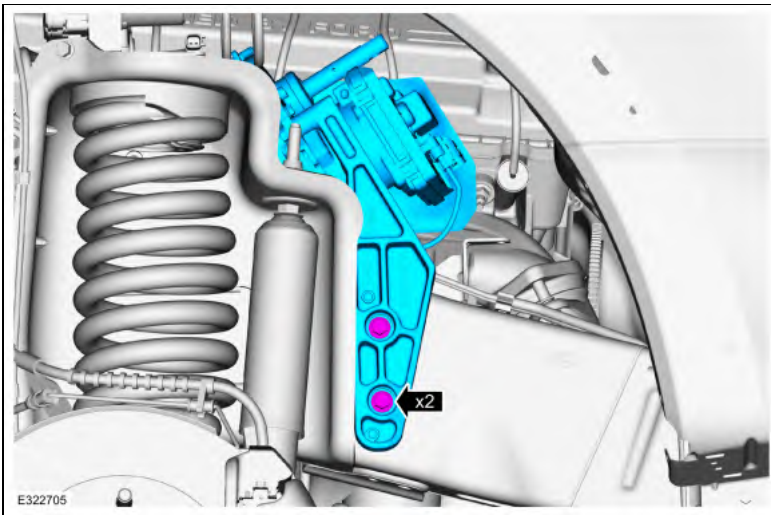


8. Remove the electronic steering actuator mounting retainers and remove electronic steering actuator.



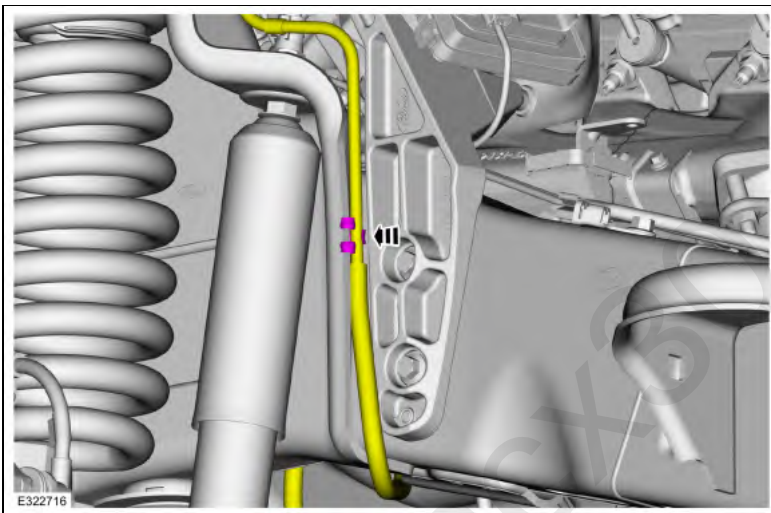
Installation

1. Position the electronic steering actuator and install the electronic steering actuator mounting retainers.
Torque: 35 lb.ft (47 Nm)



2. **NOTE:** 4x4 vehicles.

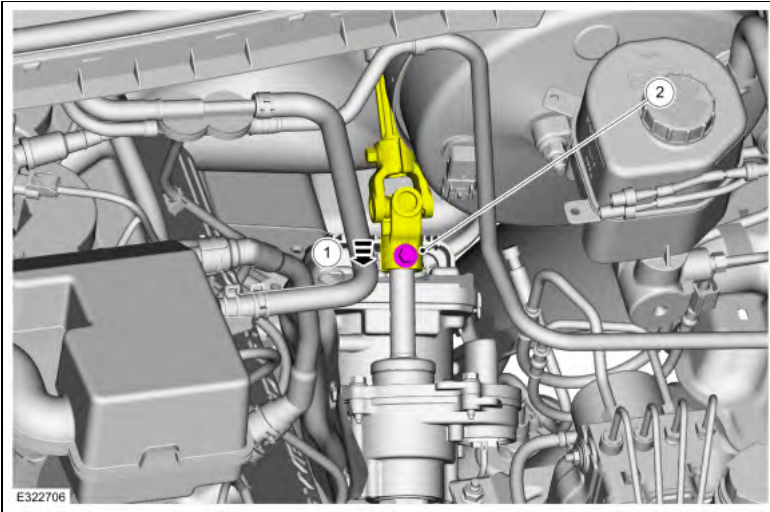
Position and clip the front differential vent hose.

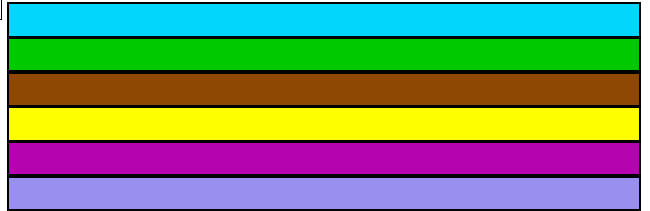


3. **WARNING:** Do not reuse steering column shaft bolts. This may result in fastener failure and steering column shaft detachment or loss of steering control. Failure to follow this instruction may result in serious injury to vehicle occupant(s).

1. Attach the steering column upper shaft coupler to the electronic steering actuator.
2. Install the new steering column shaft bolt.

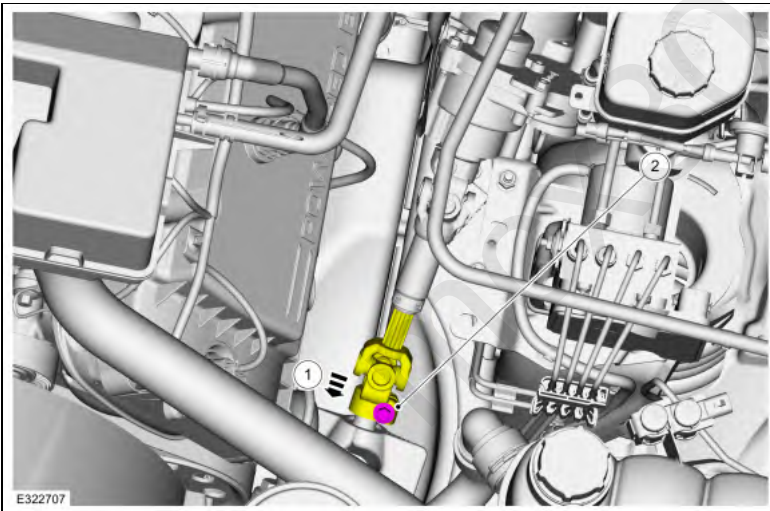
Torque: 26 lb.ft (35 Nm)





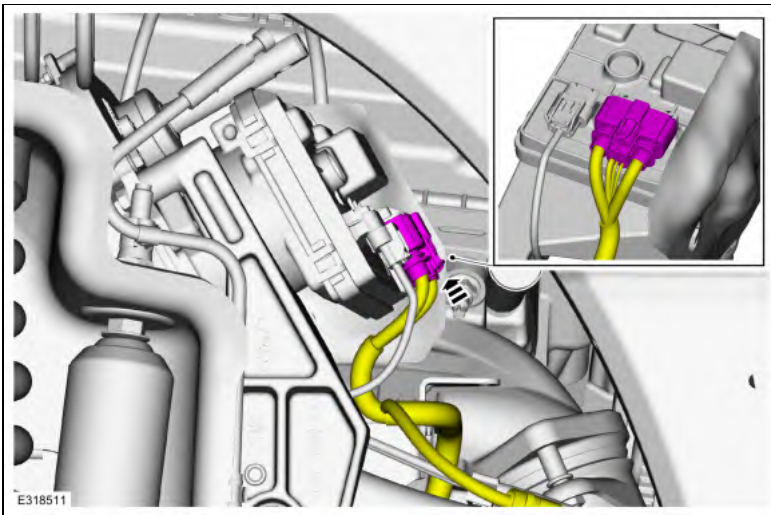
4. ⚠️**WARNING: Do not reuse steering column shaft bolts. This may result in fastener failure and steering column shaft detachment or loss of steering control. Failure to follow this instruction may result in serious injury to vehicle occupant(s).**

1. Attach the lower steering column shaft coupler to the steering gear.
2. Install the new steering column shaft bolt.
Torque: 22 lb.ft (30 Nm)





5. Connect the PSCM electrical connector.



6. Install the LHF fender splash shield.
Refer to: Fender Splash Shield (501-02 Front End Body Panels, Removal and Installation).
7. If a new electronic steering actuator was installed, upload the PSCM configuration to the scan tool.
Refer to: Module Configuration - System Operation and Component Description (418-01 Module Configuration, Description and Operation).

mcx30.com