

Steering Column Lower Shaft

Removal

NOTICE: DO NOT hammer, pry or force steering column and column shafts during installation or removal. Failure to follow this instruction may cause damage to steering components that could lead to loss of steering control during vehicle operation and could result in serious personal injury or death.

NOTICE: DO NOT attempt to remove or install the steering column lower u-joint at the steering gear without first loosening the steering column dash seal and fasteners. Failure to follow this instruction may cause damage to steering components that could lead to loss of steering control during vehicle operation and could result in serious personal injury or death.

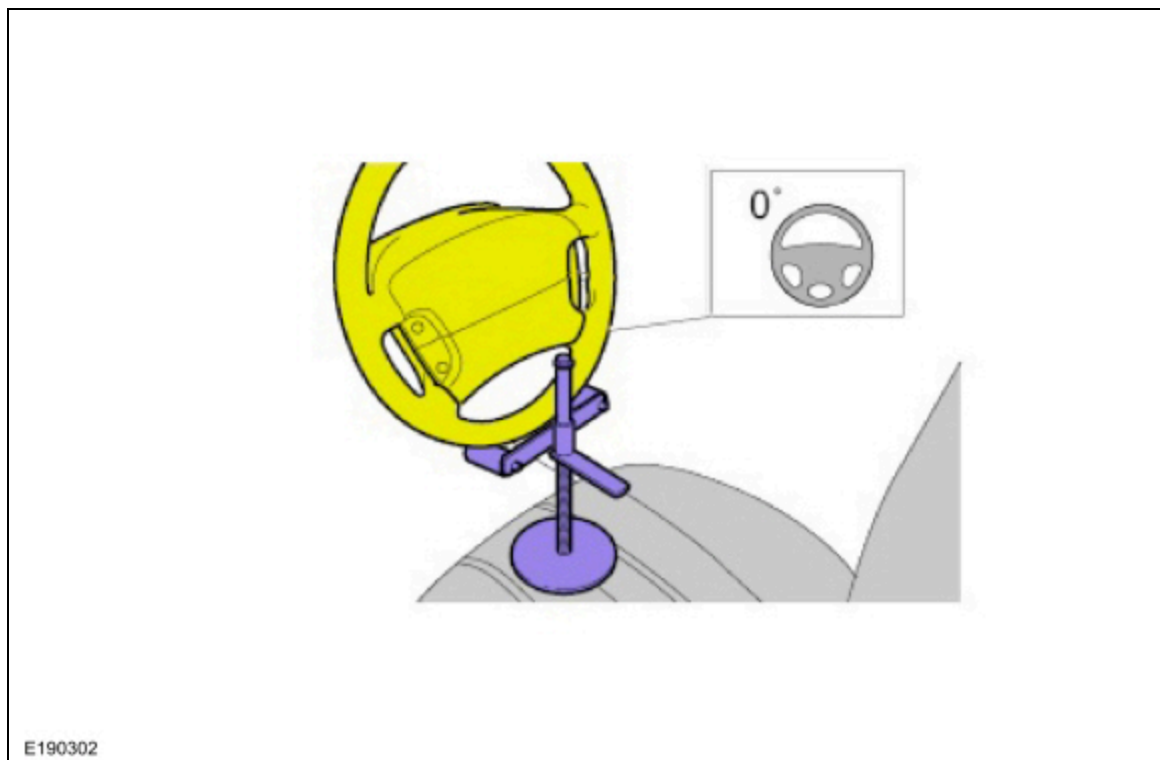
NOTICE: Do not allow the steering column to rotate while the steering column shaft system is disconnected or damage to the steering column electrical components may result.

NOTE: *LHD shown, RHD similar.*

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

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. **NOTE:** *Use a steering wheel holding device (such as Hunter® 28-75-1 or equivalent).*

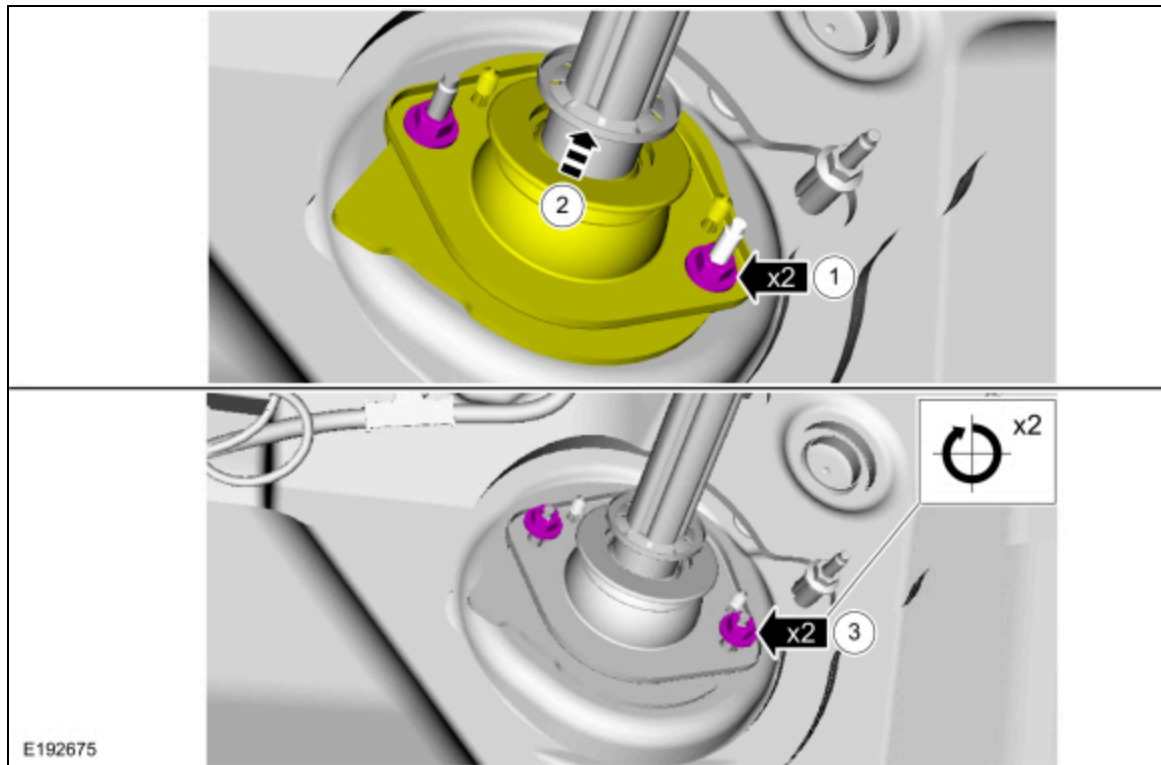
Keep the steering wheel in the straight-ahead position.



3. **NOTICE:** Make sure to minimize damage to sealer foam and avoid pulling apart dash seal brackets from retainer pins. Excessive damage may allow engine noise, fumes, air or water to enter the passenger compartment.

Loosen the dash seal.

1. Remove the nuts.
Torque: 80 lb.in (9 Nm)
2. Loosen the dash seal.
3. Hand start the nuts.



4. **NOTICE: 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).**

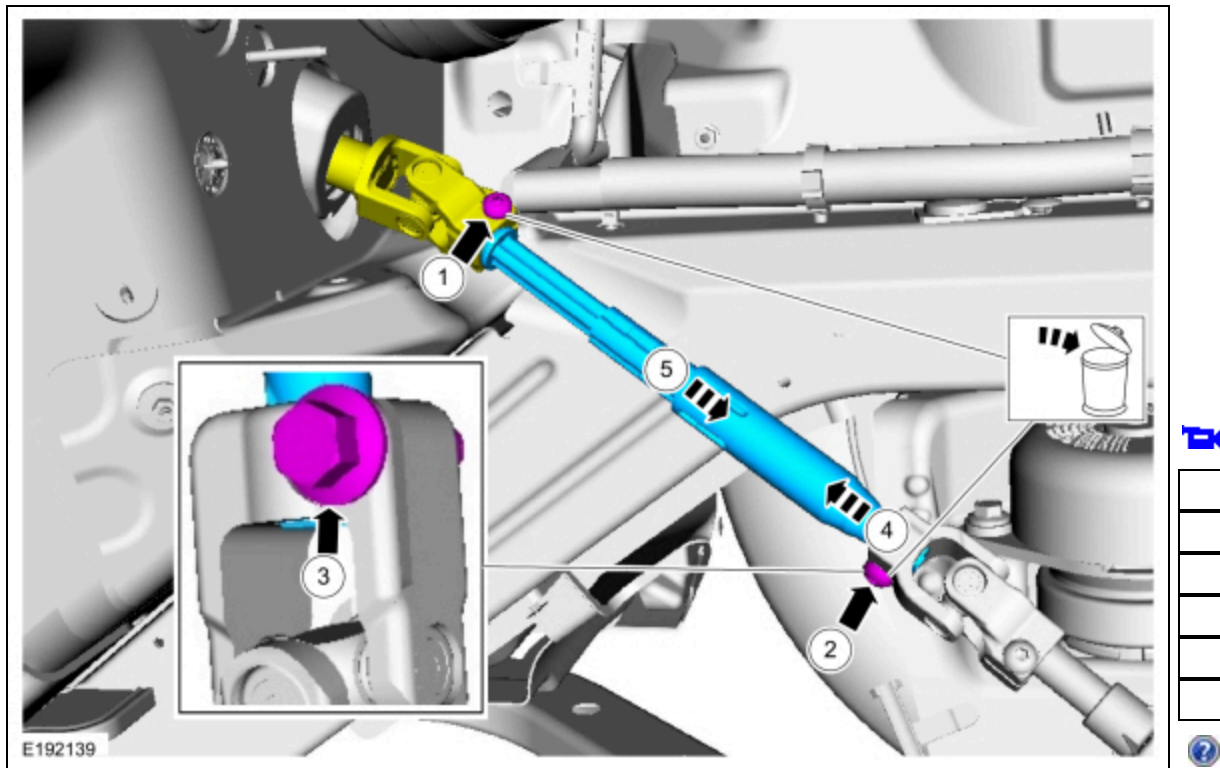
Remove the steering column lower shaft.

1. Remove and discard the bolt.
Torque: 22 lb.ft (30 Nm)
2. **NOTE: Vehicles equipped with LHD .**

Remove and discard the bolt.
Torque: 22 lb.ft (30 Nm)
3. **NOTE: Vehicles equipped with RHD .**

Remove and discard the bolt.
Torque: 35 lb.ft (47.5 Nm)

4. Pull apart the steering column lower shaft from the coupling.
5. Pull apart the steering column lower shaft from the steering column upper shaft.



Installation

NOTICE: DO NOT attempt to remove or install the steering column lower u-joint at the steering gear without first loosening the steering column dash seal and fasteners. Failure to follow this instruction may cause damage to steering components that could lead to loss of steering control during vehicle operation and could result in serious personal injury or death.

NOTICE: DO NOT hammer, pry or force steering column and column shafts during installation or removal. Failure to follow this instruction may cause damage to steering components that could lead to loss of steering control during vehicle operation and could result in serious personal injury or death.

1. To install, reverse the removal procedure.
2. Inspect the steering column lower shaft.
Refer to: [Steering Column Collapsed Check](#) (211-04 Steering Column, General Procedures).

© Copyright 2024, Ford Motor Company.