

Tie Rod End

Special Tool(s) / General Equipment

	211-003 (T64P-3590-F) Remover, Steering Arm
	211-023 (T74P-3044-A1) C-Frame and Screw

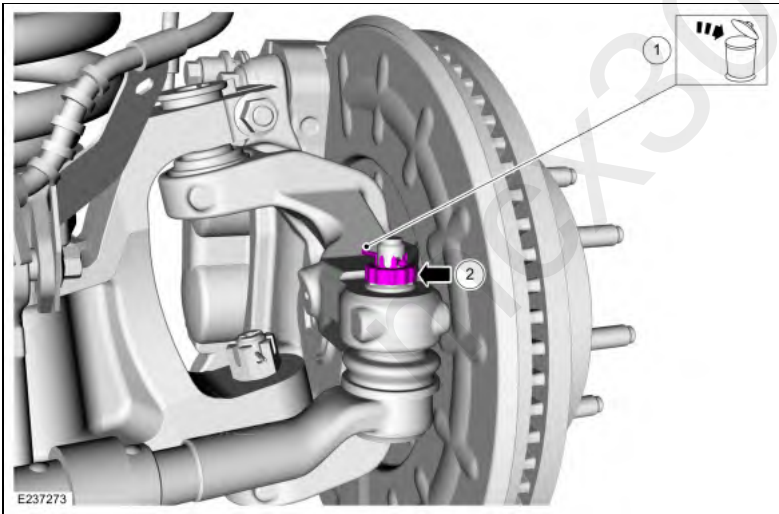
Removal

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.

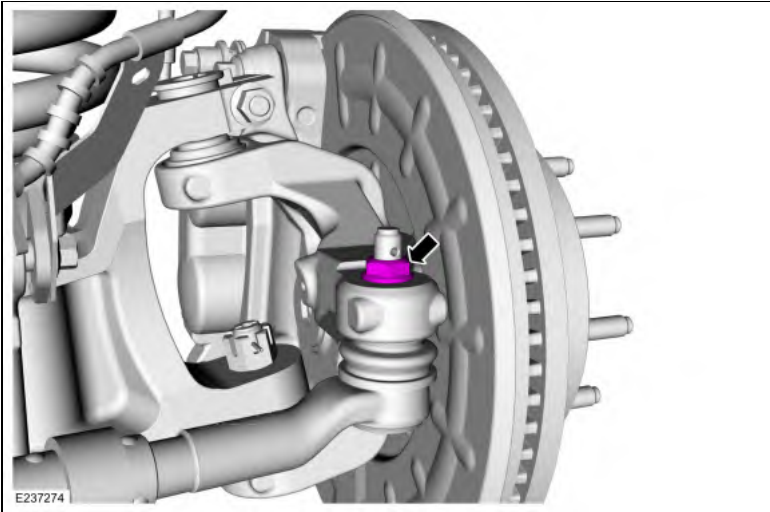
NOTE: F-250/F-350 RWD shown, other applications similar.

1. Remove the wheel and tire.
Refer to: Wheel and Tire - Vehicles With: Single Rear Wheels (204-04A Wheels and Tires, Removal and Installation).
Refer to: Wheel and Tire - Vehicles With: Dual Rear Wheels (204-04A Wheels and Tires, Removal and Installation).
2. **NOTE:** LH side shown, RH similar.
 1. Remove and discard the tie rod end cotter pin.
 2. Remove the tie rod end nut retainer.



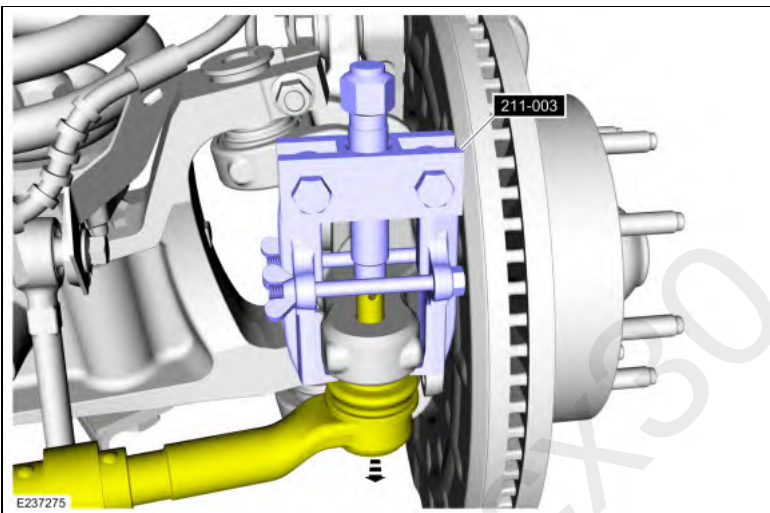
3. **NOTE:** LH side shown, RH similar.

Remove the tie rod end nut.
Torque: 85 lb.ft (115 Nm)



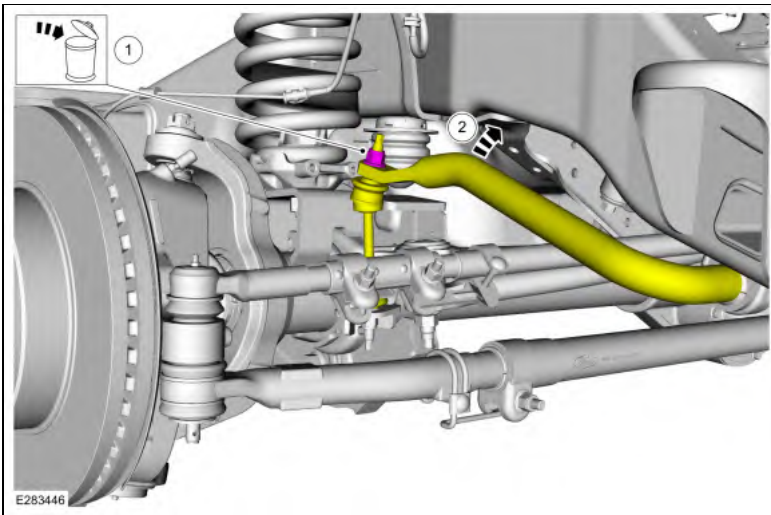
4. **NOTE:** *LH side.*

Separate the tie-rod end from the wheel spindle assembly.
Use Special Service Tool: 211-003 (T64P-3590-F) Remover, Steering Arm



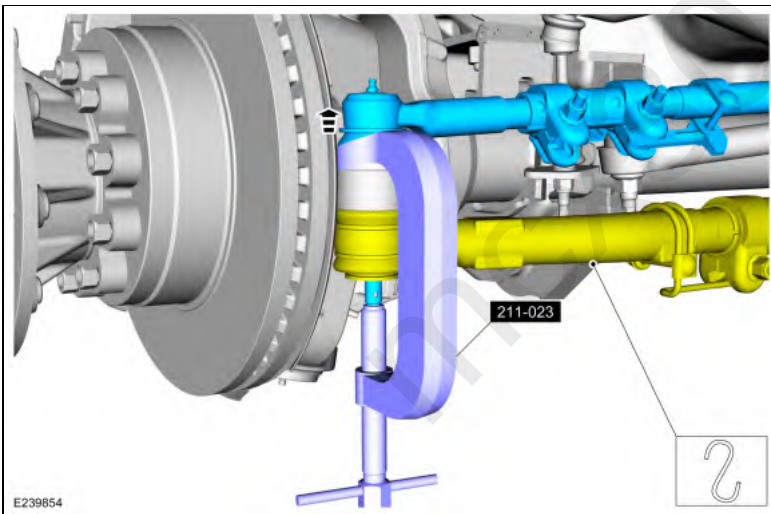
5. **NOTE:** *RH side.*

1. Remove and discard the front stabilizer bar link upper nut.
Torque: 59 lb.ft (80 Nm)
2. Raise the stabilizer bar to gain access for tie rod end removal.



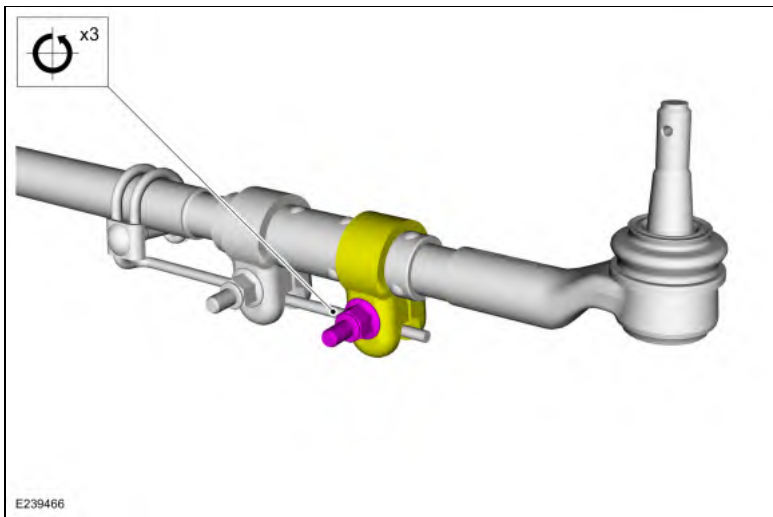
6. **NOTE:** *RH side.*

Separate the sector shaft arm drag link from the wheel knuckle and tie rod. Support the tie rod.
Use Special Service Tool: 211-023 (T74P-3044-A1) C-Frame and Screw.



7. **NOTE:** *LH side shown, RH similar.*

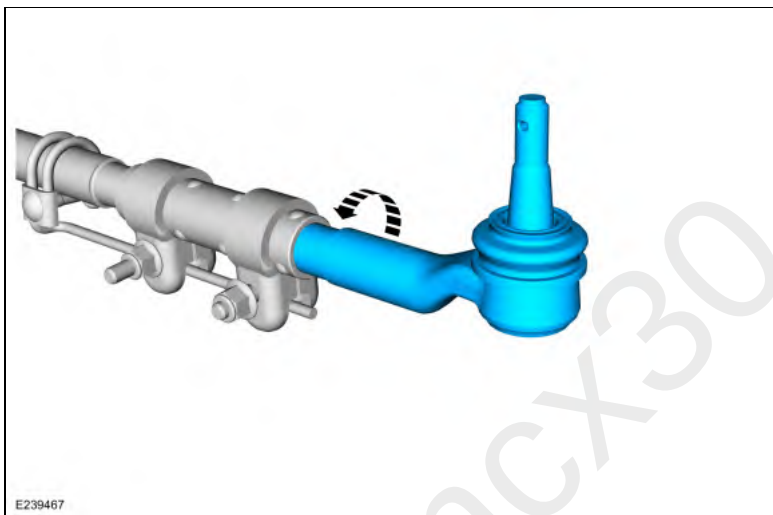
Loosen the tie rod adjuster sleeve nut.
Torque: 41 lb.ft (55 Nm)



8. **NOTE:** Count and record the number of turns required to remove the outer tie-rod end for reference during installation.

NOTE: LH side shown, RH similar.

Remove the tie rod end.



Installation

1. To install, reverse the removal procedure.
2. Check and if necessary adjust front toe.
Refer to: Front Toe Adjustment - F-250/F-350, RWD (204-00 Suspension System - General Information, General Procedures).
Refer to: Front Toe Adjustment - F-250/F-350/F-450/F-550, 4WD (204-00 Suspension System - General Information, General Procedures).