

Tie Rod: Service and Repair

Tie Rod End - Outer

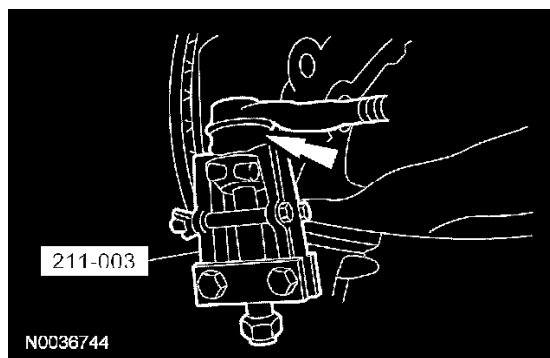
Tie Rod End - Outer



Special Tool(s)

Removal and Installation

1. With the vehicle in NEUTRAL, position it on a hoist.
2. Remove the outer tie-rod end cotter pin and nut.
 - ^ Discard the cotter pin.
 - ^ To install, tighten to **95 Nm (70 ft. lbs.)**.



3. Using the special tool, separate the outer tie-rod end from the wheel spindle.
4. **NOTE:** For reference during installation, count and record the number of turns required to remove the inner tie-rod end from the tie rod adjusting sleeve.

Loosen the outer tie-rod sleeve clamp nut and remove the outer tie rod end.

- ^ To install, tighten to **49 Nm (36 ft. lbs.)**.

5. **NOTE:** When tightened, the tie rod adjusting sleeve bolts, nuts and clamps must be positioned within a limit of **45 degrees (±)**. The threaded ends of the LH adjusting sleeve bolts point towards the front of the vehicle. The threaded ends of the RH adjusting sleeve bolts point rearward.

To install, reverse the removal procedure.

6. Check and, if necessary, align the front end.