

Tie-Rod End Inspection and Replacement

Meets ASE Task: A4 – B-8 – P-2

Name: _____ Date: _____ Time on Task: _____

Make/Model/Year: _____ VIN: _____

Evaluation (Enter number from 4, 3, 2, 1) : _____

- ☐ 1. Verify that the tie-rod end(s) requires replacement. Check all that apply.
 - ☐ Torn boot.
 - ☐ Joint has side-to-side movement.
 - ☐ Physically damaged
 - ☐ Other (describe): _____
- ☐ 2. Hoist the vehicle safely.
- ☐ 3. Compare the replacement tie-rod end with the original to be sure that the new end is correct.
- ☐ 4. Remove the retaining nut and use a tie-rod puller to separate the tie-rod end from the steering knuckle and/or center link.
- ☐ 5. Measure the distance between the center of the tie-rod end and the adjusting sleeve and record this distance so the replacement tie-rod end can be installed in approximately the same location so that the wheel alignment (toe setting) will be close to being correct.
- ☐ 6. Unscrew the old tie-rod end and discard.
- ☐ 7. Install the replacement tie-rod end and adjust to the same distance as measured and recorded in #5.
- ☐ 8. Install the tie-rod end onto the steering knuckle and torque the retaining nut to factory specifications.

Torque specifications for the tie-rod retaining nut = _____
- ☐ 9. Lower the vehicle and align the vehicle before returning it to the customer.