

2022 CHEVROLET CORVETTE SERVICE MANUAL

- **SEARCH**

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Steering Linkage Inner Tie Rod Inspection

Special Tools

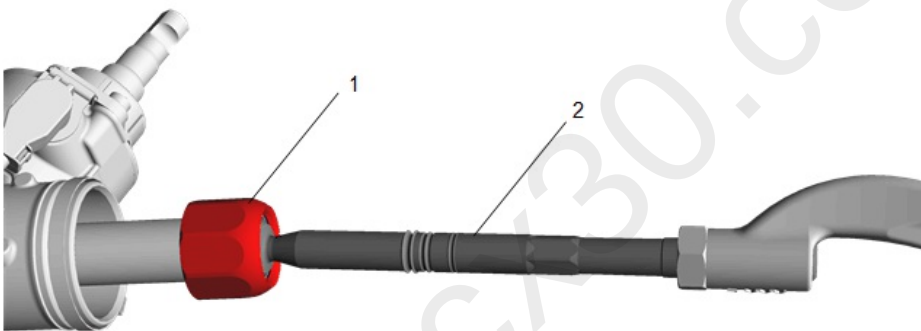
GE-8001A, A Dial Indicator Set

Equivalent regional tools: Special Tools

1. **Note:**

This inspection procedure does not supersede local government required inspections that have more stringent requirements.

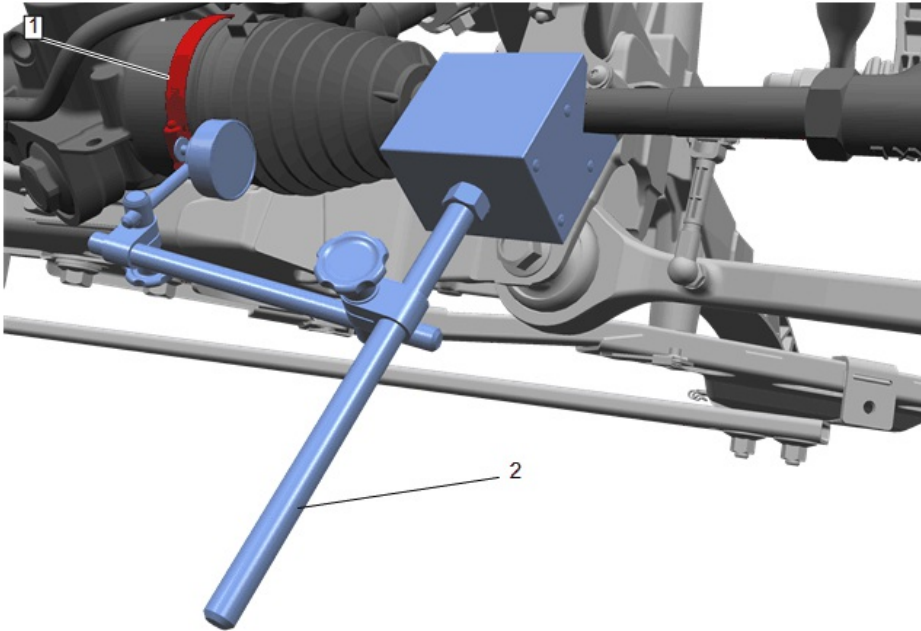
2. Turn the ignition to the ON position with the engine OFF.
3. With the aid of an assistant, turn the steering wheel to the full stop position and hold the steering wheel in that position until the test is complete.



4.
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5. **Note:**

Some components not shown for graphic clarity.

6. The part of the steering linkage inner tie rod (2) being tested should be inside the steering gear housing. The inner tie rod housing (1) being tested should be inside the steering gear housing and seated against the steering stop.
7. Raise and support the vehicle. Lifting and Jacking the Vehicle



8.
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9. If there is not a good location for the *GE-8001* Dial Indicator Set (2) pointer to contact the steering gear housing, install a large worm gear hose clamp (1) to the steering gear housing, and align the clamp so that the screw can be a location for the *GE-8001* Dial Indicator Set pointer to contact.
10. Install the *GE-8001* Dial Indicator Set (2) between the inner tie rod and the steering gear housing or the worm gear clamp (1) in such a way as to measure the lash between the inner tie rod and the steering gear housing. The lash between the inner tie rod and the steering gear housing is equal to the lash between the inner tie rod and the inner tie rod housing because the inner tie rod housing is inside the steering gear housing during this procedure.



11.
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12. Note:

Only move the tire enough to feel any lash between the inner tie rod and the inner tie rod housing without moving the steering gear rack.

13. Grasping the tire at the 3 o'clock (2) and 9 o'clock (1) positions, gently push in on one side of the tire in order to remove any lash.
14. Zero the *GE-8001* Dial Indicator Set.
15. On the same side of the tire previously pushed in, gently pull out and measure the lash.
16. Record the measurement shown on the *GE-8001* Dial Indicator Set.

17. If the measured value exceeds 0.5 mm (0.02 in), replace the inner tie rod. Steering Linkage Inner Tie Rod Replacement
18. Repeat the procedure for the other side.

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