

TSB 20240627-1646

VANDERHALL

TSB

Radius Rod Bolt Service

This TSB is instructions to check, clean, Loctite, and re-torque the radius rod bolt.

Vehicle Range: 2020-2023 Venice and Carmel. VIN 10th digit L, M, N, P.

P/N: Venice - 37357412

P/N: Carmel - 16740645

Tech Time: Venice 1.2 hours

Carmel – 2 hours

Tools needed:

- torque wrench (capable of 45 ft-lb)
 - 3/8" drive ratchet
 - 14mm open end wrench
 - 5mm Hex bit socket
 - 4mm Hex bit socket
 - 14mm Hex bit Socket or 12mm Hex bit socket
 - 13mm socket (Venice)
 - 13mm wrench (Venice)
 - 15mm socket (Carmel)
 - 15mm wrench (Carmel)
 - 10mm socket (Carmel Chin)
 - 8mm Hex bit socket (Carmel Windshield)
 - Red Loctite
 - brake or electronic cleaner
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Directions for TSB

Venice:

1. Remove hood
2. Remove chin

Carmel:

1. Remove cap shade
2. Remove windshield
3. Remove outer hood

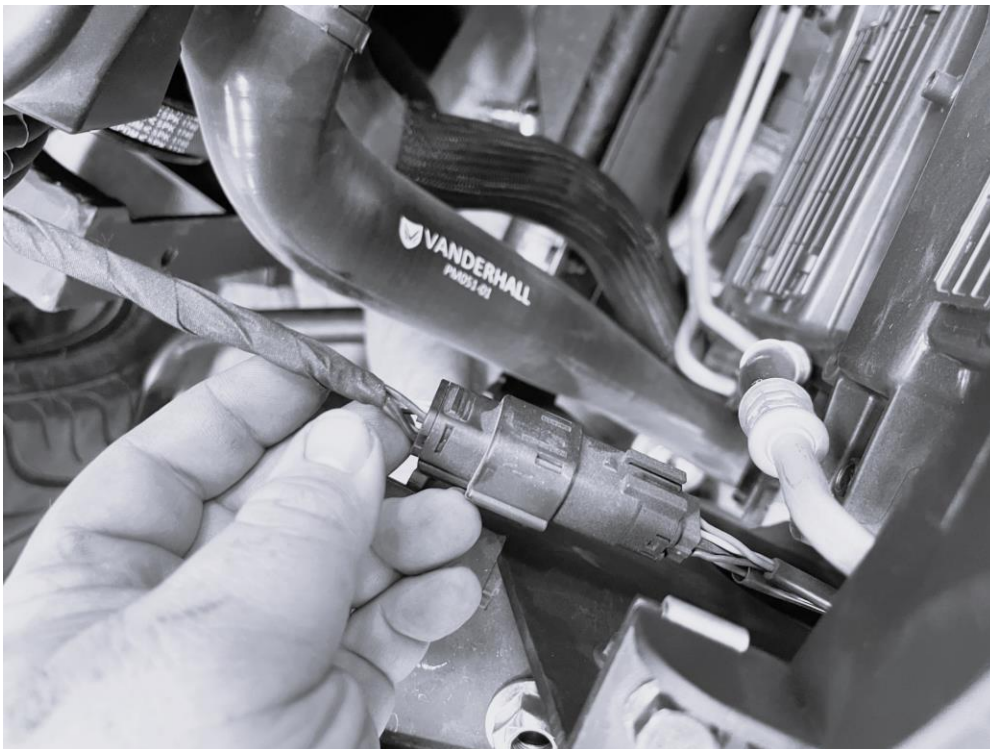
3. Use 14mm open end wrench to remove upper sway bar end link nuts. After removing the upper sway bar end link nuts, remove the sway bar from the end links.



4. Jack and support front clip. Vehicle needs to remain on the ground so radius rod stays in place.
5. Remove 6 fasteners for the front clip using a 13mm socket and 13mm wrench for Venice. Use a 15mm socket and 15mm wrench for Carmel.



6. Disconnect passenger headlight



7. Lift front clip up and out of the way to gain access to radius rod bolts, ensuring not to damage hoses or wiring

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8. Remove radius rod bolts using either a 14mm Allen or 12mm Allen. The passenger side bolt is under the serpentine belt, and the driver side bolt is under the transmission cover. Clean the bolt and outer bushing with brake or electrical cleaner to remove grease. Spray cleaner into the hole the radius rod bolt goes into to remove grease. Allow cleaner to dry before installing radius rod bolt.



9. Add red loctite to the radius rod bolt
10. Install radius rod bolt and torque to 45 ft-lbs.
11. Lower front clip back in place and install 6 fasteners (torque to 25 ft-lbs.)
12. Reconnect passenger headlight connector
13. Install upper sway bar end link nuts (torque to 48 ft-lbs.)

Venice:

14. Install hood (torque bolt to 9 ft-lbs.)
15. Install chin (torque bolt to 9 ft-lbs.)

Carmel:

14. Install outer hood (torque bolt to 9 ft-lbs.)
15. Install windshield (torque bolts to 16 ft-lbs.)

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16. Install cap shade
 17. Install chin (torque bolt to 9 ft-lbs.)