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Case Number: S2523000093

Release Date: December 2025

Symptom/Vehicle Issue: Buzz Squeak Rattle (BSR) Vibration From Under Vehicle While Driving.

Customer Complaint/Technician Observation: Customer say one of the following complaints:

- There is a rattling/vibration under the floor.
- Abnormal noise on freeway speeds.
- Can hear metal on metal clunk over bumps.
- Between 20-40 mph truck has a grinding and clunking sound in the front end and sometimes you hear it when the vehicle stops.
- Rumbling noise at low speed when accelerating. When you let off the accelerator the noise stops.
- Loud trembling, vibration noise when vehicle goes into 4-cylinder mode.

Discussion: Inspect the exhaust Y-pipe clearance to the transfer case crossmember. The ideal gap between the Y-pipe assembly and the crossmember is 7/16" - 3/4" (12mm-19mm). If there is little or no gap, see the below procedure to correct the concern.

1. Loosen, but do not remove, the exhaust manifold to Y-pipe fasteners to allow "free" movement in the exhaust joints. (Fig 1)

This document does not authorize warranty repairs. This communication documents a record of past experiences. STAR Online does not provide any conclusions about what is wrong with the vehicle. Rather, it captures all previous cases known that appear to be similar or related to the vehicle symptom / condition. You are the expert, and you are responsible for deciding on the appropriate course of action.

Contact STAR Center, or your Technical Assistance Center Via TechConnect, eCONTACT or Service Library entry if no solution is found.



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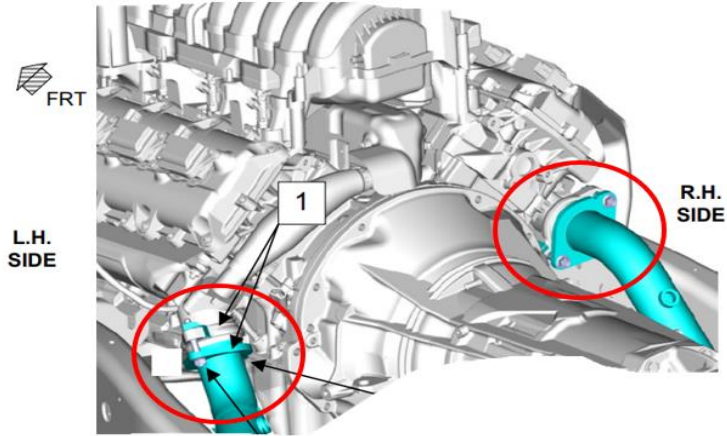


Fig 1.

2. Using a jack, carefully move the Y-pipe assembly up to gain $7/16$ " to $3/4$ " (12mm-19mm) clearance between the crossmember and the exhaust. (Fig 2.)

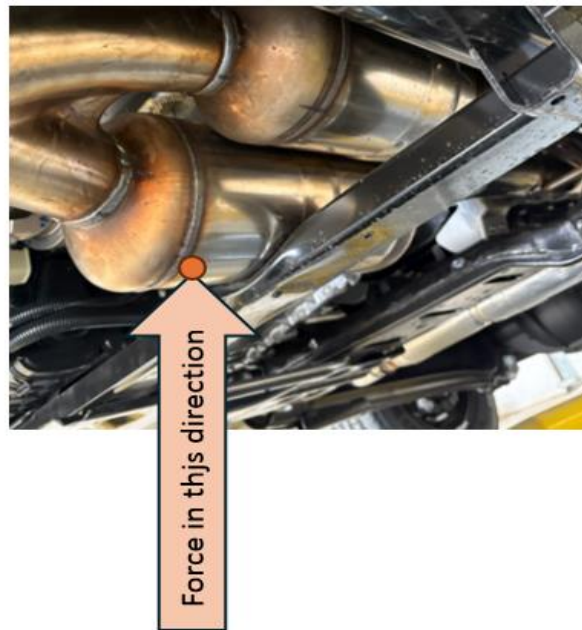


Fig 2.

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3. Torque the manifold to Y-pipe fasteners. Refer to Service Library for torque specifications. Fig 3.

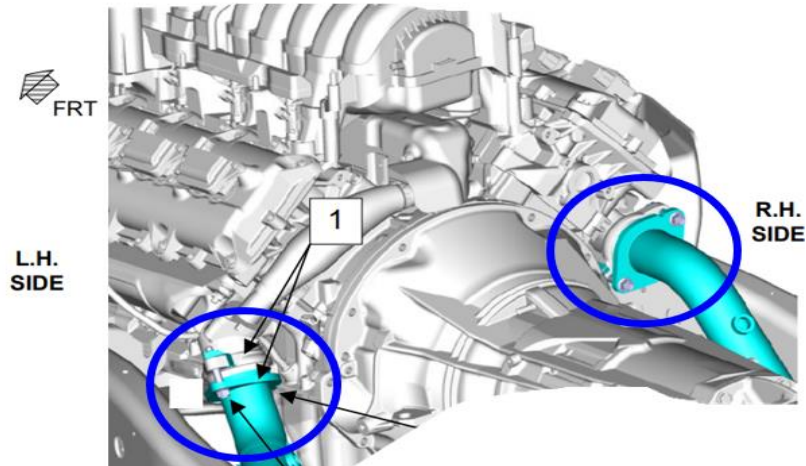
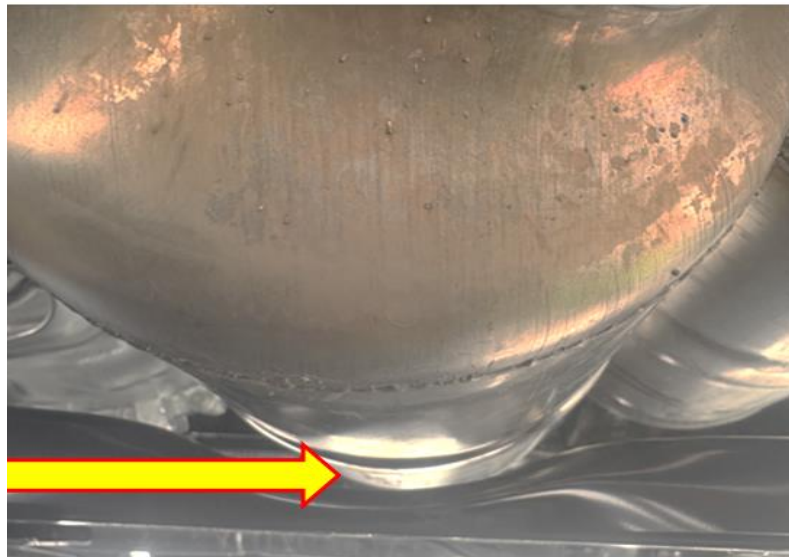


Fig 3.

4. Remove the jack or tools used to lift the exhaust. Inspect and measure the clearance gained. The clearance should be $7/16'' - 3/4''$ (12mm-19mm).



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