



New TSB solution for Pentastar trouble codes, rough idle, and noise

June 20, 2025 by David Zatz

A number of Pentastar V6 owners, across a wide range of vehicles, have complained of misfires, rough idling, or valvetrain noise (clicking). It turns out that Stellantis has isolated the cause of these problems: a worn intake camshaft lobe, or intake rocker arm slider wear.



Typically, vehicles with this problem see it arrive within 60,000 miles of being new. The cause has been attributed to a "manufacturing issue." It affects North American vehicles only, according to the service bulletin (TSB-09-011-25). It appears to only affect "PUG" (Pentastar Upgrade) engines, and does not impact the Charger, Challenger, or 300.

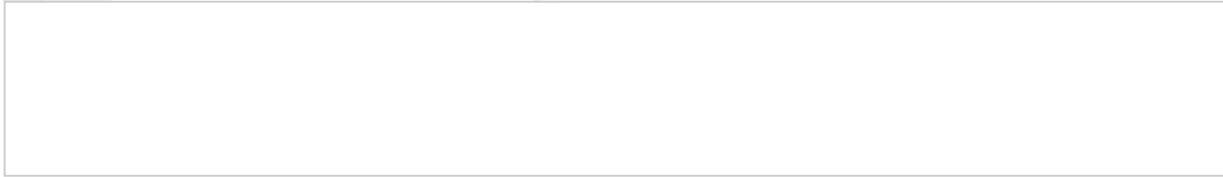
The vehicles affected are:

- 2019-25 Ram 1500 made before* November 15, 2024
- 2018-25 Jeep Wranglers made before August 15, 2024
- 2020-25 Jeep Gladiators made before August 19, 2024

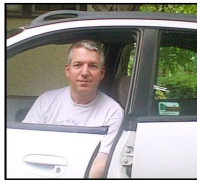


- 2018-25 Grand Cherokees made before August 19, 2024
- 2018-25 Chrysler Pacificas made before Sept. 30, 2024
- 2018-25 Dodge Durangos made before August 30, 2024
- 2022-25 Ram ProMasters made before July 19, 2024.

The company has issued a special service kit which includes a new intake cam (only the one at fault, not both), rocker arms, sealer, and gaskets. The part number is 68661147AB for the right, and 68661146AA for the left.



* That is, on or before November 14, 2024.



David Zatz

David Zatz started what was to become the world's biggest, most comprehensive Mopar site in 1994 as he pursued a [career in organizational research and change](#). After a chemo-induced break, during which he wrote car books covering [Vipers](#), [minivans](#), and [Jeeps](#), he returned with Patrick Rall to create StellPower.com for daily news, and to set up [MoTales](#) for mo' tales.

David Zatz has around 30 years of experience in covering Chrysler/Mopar news and history, and most recently wrote [Century of Chrysler](#), a 100-year retrospective on the Chrysler marque.

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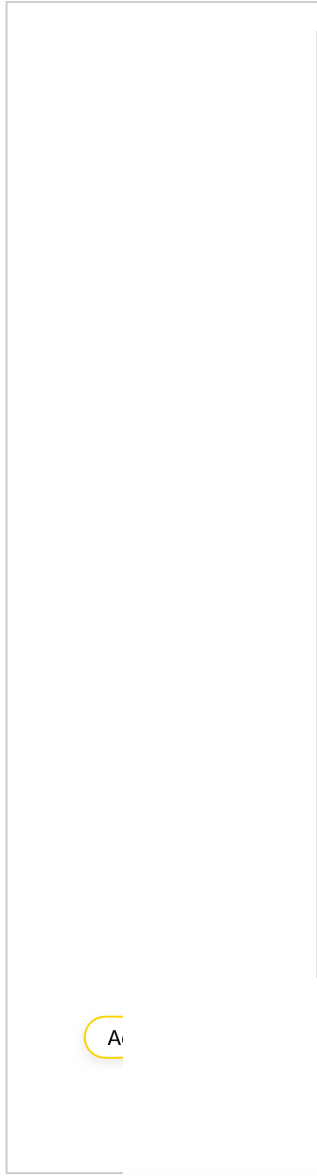
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