

STAR ONLINE PUBLICATION

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Symptom/Vehicle Issue: Malfunction Indicator Lamp (MIL) Illuminated. Diagnostic Trouble Codes (DTCs) P00AF – Turbocharger Boost Control Module “A” Performance and/or P226C – Turbocharger Boost Control Module “A” Slow Response.

Discussion: Some customers may experience a MIL illumination. Upon further investigation, you may find DTCs P00AF and/or P226C set in the Powertrain Control Module (PCM) memory.

Analysis of warranty return parts have indicated that the possible root cause of these DTCs is varnish build up in the turbo VGT housing. A possible cause of the varnish buildup is due to the low duty cycle/high idle driving encountered at the assembly plants before the vehicles are shipped.

If you receive a vehicle that is setting one of these DTCs, please perform the following repair procedure before replacing any parts.

Repair Procedure:

1. Clear all DTCs.
2. Start the vehicle, and allow it to reach full operating temperature.
3. Shut the ignition off, and wait 10 seconds to allow the turbo actuator to perform a sweep.
4. Turn the ignition on, and wait 10 seconds.
5. Repeat steps 3, and 4 one more time.
6. Using wiTECH, navigate to the PCM “Misc Functions” and a “Service Regen.” Follow all onscreen prompts.
7. Once complete, drive the vehicle for 15 minutes at highway speed (above 55 mph (88 kph)). This is important to remove any varnish buildup that has accumulated on the VGT.
8. Reevaluate the vehicle to see if the DTC resets.

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 or eCONTACT ticket if no solution is found



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If the DTC resets, continue with normal diagnosis, and repair as necessary.

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