



## STAR ONLINE PUBLICATION



**Case Number: S231800007**

**Release Date: May 2023**

**Symptom/Vehicle Issue:** Mil Lamp-On/Check Engine Lamp-On after a cold engine start.

**Customer Complaint/Technician Observation:** Upon further investigation one or more DTCs for Cylinder Misfire (P0300-P0306) are found in the PCM.

**NOTE: This publication only applies to vehicles that have cylinder misfire DTCs set with NO other engine DTC set with them after a cold engine start.**

**Test Procedure:** Perform the test procedure below to verify the issue. Be sure to park vehicle in a position where it can be driven IMMEDIATELY after starting engine. Please read through the entire procedure prior to engine start-up for proper scan tool setup.

1. Start engine after a cold soak (allow for an 8 hour+ soak).
2. Immediately after start, drive the vehicle up to 10-15 MPH with accelerator pedal <15%.
3. Quickly release accel pedal (tip-out) to perform a no-brake coast down and monitor for cylinder misfire counts in WiTech.
4. After misfire counter stops incrementing, lightly accelerate (tip-in) and keep vehicle speed below 15MPH.
5. Repeat tip-out/tip-in steps 3 and 4 until ECT goes above 140 F (60 C).

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 test procedure reproduces misfire, this condition is under engineering investigation. At this time, clear the DTCs and return the vehicle to customer.

If misfire is not reproduced following the test procedure above, follow normal published diagnostics for the DTCs involved. Contact STAR if additional assistance is needed.

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