



## STAR ONLINE PUBLICATION



**Case Number: S2218000011**

**Release Date: June, 2022**

**Symptom/Vehicle Issue:** Malfunction Indicator Lamp (MIL) Illumination, Diagnostic Trouble Code (DTC) P00F3 – Humidity Sensor Circuit Performance, Set.

**Discussion:** Some customers may experience a MIL illumination. Upon further investigation, a technician may find DTC P00F3 set in the Powertrain Control Module (PCM). Additionally, it may be noted that the DTC sets when the vehicle is operated in areas of hot temperatures, and extremely low humidity levels (e.g. Southwestern U.S.).

If you receive a vehicle in with this concern, please perform the following.

1. Verify there are no other powertrain related DTCs setting. If other DTCs are set, diagnose, and repair those first.
2. Clear all DTCs and attempt to duplicate the P00F3 again. The diagnostic monitor for P00F3 will run within the first 1-5 seconds after engine start.
3. Using wiTECH, navigate to the PCM data and monitor the “Relative Humidity of Fresh Air” data parameter. Does the data parameter read .012%?
  - a. Yes>>> Replace the Mass Air Flow (MAF) Sensor. The humidity sensor is internal to the MAF sensor.
  - b. No>>> The concern is intermittent. Do not replace any parts at this time. Engineering is currently investigating a potential repair for this concern.

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**