



STAR ONLINE PUBLICATION



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Symptom/Vehicle Issue: Malfunction Indicator Lamp (MIL), Service Air Filter Message Illuminated. Diagnostic Trouble Code (DTC) P227F – Air Flow Restriction – Air Leak Between Air Filter and MAF, Set.

Discussion: Some customers may experience a MIL illumination as well as a Service Air Filter message displayed in the Electronic Vehicle Information Center (EVIC). Upon further investigation, a technician will find DTC P227F set in the Powertrain Control Module (PCM). Additionally, a vehicle with this condition may also set DTCs P0299 – Turbo Underboost, and/or P226C – Turbocharger Boost Control “A” Slow Response. This concern may typically occur on vehicles with less than 3,000 miles (4,800 km).

Factory installed air filters utilize a paper media that is coated in a thin layer of oil to help improve filtration performance. This gives the filters their signature light brown, manilla color. An analysis of returned air filters has found that the cause of this concern may be due to a filter that was excessively oiled during the manufacturing process. An air filter with excessively oiled media may visually appear normal leading a technician to replace other components unnecessarily.

If you receive a vehicle in with this DTC, replace the air filter first and retest. If the DTC resets, proceed with normal published diagnostics.

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