



SSM 54331 2024-2025 F-150 - 2.7L - Illuminated Powertrain Malfunction (Wrench) Indicator With DTC P1285 And/Or P1299 Stored In The PCM And “Engine Coolant Over Temperature” And/Or “Service Vehicle Soon” Warning Message Displayed On The IPC - Built On Or After 27-Aug-2024

Some 2024-2025 F-150 vehicles equipped with a 2.7L engine, built on or after 27-Aug-2024 may exhibit an illuminated powertrain malfunction (wrench) indicator with diagnostic trouble codes (DTCs) P1285 and/or P1299 stored in the powertrain control module (PCM) and “Engine Coolant Over Temperature” and/or “Service Vehicle Soon” warning message displayed on the instrument panel cluster (IPC). This may be due to the cylinder head temperature (CHT) sensor. Follow the Workshop Manual (WSM) 303-03A Engine Cooling - 2.7L EcoBoost > Diagnosis and Testing > Engine Temperature Pinpoint Test (PPT) DL1-DL10. If P1285 and/or P1299 is still present, replace the CHT sensor. Refer to WSM, Section 303-14A Electronic Engine Controls > Removal and Installation. For claiming use causal part 6G004 and labor operation 12650D and 12650D10 of the Service Labor Time Standards (SLTS) Manual.