



SSM 53232 2023-2024 F-Super Duty - 6.7L - Illuminated MIL With DTC P0315

Some 2023-2024 F-Super Duty vehicles equipped with a 6.7L engine may exhibit an illuminated malfunction indicator lamp (MIL) with diagnostic trouble code (DTC) P0315 stored in the powertrain control module (PCM). Perform Pinpoint Test (PPT) D in Workshop Manual, Section 303-14. For PPT step D10, use a borescope through the crankshaft position sensor (CKP) bore and rotate the engine by hand to inspect the crankshaft sensor ring for damage. If PPT D does not lead to any damaged components or wiring, a drive cycle may be necessary to complete the misfire profile monitor. To complete the monitor, start the engine and lock out transmission gears 7-10 using progressive range selection. With the transmission in drive (D), press the minus (-) button on the selector lever to switch the feature on. Press the minus (-) button 4 more times to continue to lock out higher gears until the instrument cluster shows 6 as the highest gear available. Drive the vehicle on a smooth road reaching a speed between 45-75 MPH (72-120 Km/H). Make sure the engine speed does not exceed 3000 RPM. Reduce speed or press the plus (+) button on the selector lever to allow 7th gear if needed. Perform an off-throttle coast down for at least 8 seconds in duration. If vehicle speed drops below 35 MPH (56 Km/H), additional coasting will not contribute to the drive cycle. Return to the starting speed and repeat the coast down procedure 9 additional times for 10 total coast down events. Clear DTCs and repeat the self-test. For claiming, use causal part DIAG and claim M-Time for labor.