



SSM 52342 2021-2024 Bronco - 2.3L/3.0L - Illuminated Malfunction Indicator Lamp (MIL) With An Ignition System Diagnostic Trouble Codes (DTC) - DTC Sets For Incorrect Cylinder

Some 2022-2024 Broncos Raptors built on and before 13-Feb-2024 and 2021-2024 Broncos equipped with a 2.3L EcoBoost engine may exhibit an illuminated MIL with ignition system DTC(s) P0352, P0353, P0354, P0355, P0357, P2303, P2306, P2309, P2312, P2318, P2304, P2307, P2310, P2313, P2319, and/or P2322 set in the powertrain control module (PCM). This may be due to incorrect cylinder to DTC mapping within the PCM. This means the DTCs listed may set against the incorrect cylinder. Even though the cylinder to DTC mapping is incorrect in the PCM, the presence of these DTCs means that a real ignition system concern is present that requires diagnosis and repair. Prior to performing a pinpoint test for one of the listed DTCs, it will be necessary to identify the correct cylinder that has the issue. Do this by using the Ford diagnosis and repair system (FDRS) to perform a cylinder power balance test. If the results show two cylinders dropping out, begin diagnosing the ignition system components for the cylinder that is dropping out and not setting an ignition related DTC. Due to the incorrect cylinder to DTC mapping, the PCM will shut off fuel to the cylinder that the PCM has triggered a DTC against. Diagnosing the cylinder that does not set an ignition DTC and drops during the power balance test, will verify the identity of the cylinder that has the concern. If only one cylinder is dropping out, start diagnostics with that cylinder. Refer to the Workshop Manual, Section 303-07A/C.