

P0300 - Random Misfire Detected

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| Description: | This DTC sets when the misfire detection monitor detects an engine misfire in multiple cylinders or the PCM cannot identify which cylinder is misfiring. | | |
| Possible Causes: | <ul style="list-style-type: none">• Damaged camshaft position (CMP) sensor• Low fuel (less than 1/8 tank)• Stuck open exhaust gas recirculation (EGR) valve• Restricted EGR passages• Misfire monitor neutral profile correction has not been relearned since the last mechanical repair | | |
| Diagnostic Aids: | One or more EGR passages may be restricted. | | |
| Application | Key On Engine Off | Key On Engine Running | Continuous Memory |
| All | | GO to Pinpoint Test HD . | |

P0308 - Cylinder 8 Misfire Detected

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| Description: | This DTC sets when the misfire detection monitor detects an engine misfire in cylinder 8. | | |
| Possible Causes: | <ul style="list-style-type: none">• Ignition system• Fuel injector 8• Running out of fuel• EVAP purge valve• Fuel pressure• Evaporative emission system• Exhaust gas recirculation (EGR) system• Base engine• Misfire monitor neutral profile correction has not been relearned since the last mechanical repair | | |
| Diagnostic Aids: | Misfire is defined as lack of combustion in a cylinder due to absence of spark, incorrect fuel metering, low compression, or any other cause. The malfunction indicator lamp (MIL) blinks once per second when a misfire severe enough to cause catalyst damage is detected. If the MIL is on steady state due to a misfire, this indicates the threshold for emissions was exceeded and caused the vehicle to fail an inspection and maintenance tailpipe test. | | |
| Application | Key On Engine Off | Key On Engine Running | Continuous Memory |
| All | | GO to Pinpoint Test HD . | |