



BMW Fault Codes (DTCs)

Below is a comprehensive listing of BMW DTCs and the corresponding SAE P-codes.

Table a. Diagnostic trouble codes (DTCs)

| BMW code | P-code | Fault type and function | Signal type and range | Explanation |
|----------|--------|--|---|--|
| 1 | | Ignition coil cyl.2 | Input analog timing (100 mV) | DME initiates secondary ignition for each cylinder then looks for feedback through shunt resistor in harness to determine if ignition actually occurred. |
| 2 | | Ignition coil cyl.4 | Input analog timing (100 mV) | DME initiates secondary ignition for each cylinder then looks for feedback through shunt resistor in harness to determine if ignition actually occurred. |
| 3 | | Ignition coil cyl.6 | Input analog timing (100 mV) | DME initiates secondary ignition for each cylinder then looks for feedback through shunt resistor in harness to determine if ignition actually occurred. |
| 5 | P0202 | Injector circuit cyl. 2 | Output digital pulse width (active low) | DME final stage will set flag whenever a short to ground, a short to battery voltage or a disconnection between output transistor and component exists. |
| 6 | P0201 | Injector circuit cyl. 1 | Output digital pulse width (active low) | DME final stage will set flag whenever a short to ground, a short to battery voltage or a disconnection between output transistor and component exists. |
| 8 | P0101 | Mass air flow circuit range/perf. | Input analog (0-5V) | Failed signal range check against predefined diagnostic limits. |
| 10 | | Engine coolant temp. circuit range/perf. | Input analog (0-5V) | Signal range is checked against predefined diagnostic limits within specific engine operations. |
| 11 | | Coolant temp. coolant outlet | Input analog (0-5V) | Signal range is checked against predefined diagnostic limits within specific engine operations. |
| 14 | P0111 | Intake air temp. range/performance | Input analog (0-5V) | Signal range is checked against predefined diagnostic limits within specific engine operations. |
| 18 | P1397 | Exhaust cam | Input analog | Internal check of phase shift from |

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