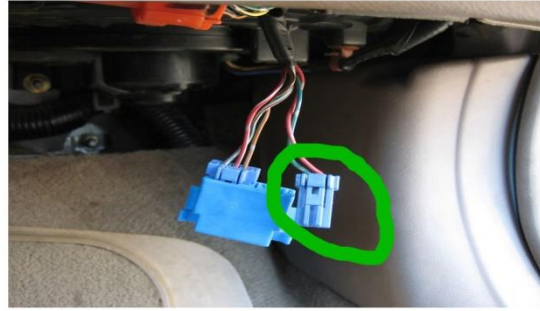


HONDA S-MX

ENGINE FAULT CODES



There is no OBD port on the Honda SMX, diagnostics of the Engine Management Light is done via flash codes.

1. Find the 2 pin blue connector, this is located below the glove box, near the heating control side, it can be tucked quite away so look hard. (See images above)
2. Insert a jumper wire, use a paperclip or some wire.
3. Put your key in the ignition and turn forward to the second or "ON" setting
4. Count the pretty lights. It's basically like Morse code, with short and long duration's. Long duration come first, followed by shorts. Long duration = 10 each, short duration = 1 each. Example: Long Long Long Long Short Short Short = 43. There is about a half second pause between each same duration and about a full second pause before switching to a different duration. Example: Code 22 = Long (half second pause), Long (full second pause), Short (half second pause), Short. If there is more than one code stored for a particular system, there will be a 2-3 second pause between the codes.

Clearing Fault Codes:

The system will automatically clear any faults when the above procedure is done, if there is still a lit engine management light after the ignition has cycled then the fault still exists

HONDA S-MX

ENGINE FAULT CODES



Fault Codes: (Note Some fault codes are not applicable to the Honda S-MX)

- 1 - O2A: Oxygen Sensor #1 (primary) - P0131 (low voltage), P0132 (high voltage)
- 2 - O2B: Oxygen Sensor #2 (secondary) - high/low voltage
- 3 - MAP: Manifold Absolute Pressure Sensor - P0107 (low input), P0108 (high input)
- 4 - CKP: Crank Position Sensor - P0335 (circuit malfunction), P0336 (range/performance)
- 5 - MAP: Manifold Absolute Pressure Sensor - P0106 (range/performance), P1128 (low), P1129 (high)
- 6 - ECT: Engine Coolant Temperature Sensor - P0117 (low input), P0118 (high input)
- 7 - TPS: Throttle Position Sensor - P0122 (low input), P0123 (high input), P1121 (position low), P1122 (position high)
- 8 - TDC: Top Dead Center Sensor - P1359 (disconnected), P1361 (intermittent interruption), P1362 (no signal)
- 9 - CYP: Cylinder Sensor - P1381 (intermittent interruption), P1382 (no signal)
- 10 - IAT: Intake Air Temperature Sensor - P0111 (range/performance), P0112 (low input), P0113 (high input)
- 12 - EGR: Exhaust Gas Recirculation Lift Valve - P1491 (insufficient lift), P1498 (high voltage)
- 13 - BARO: Barometric/Atmospheric Pressure Sensor - P1106 (range/performance), P1107 (low input), P1108 (high input)
- 14 - IAC (EACV): Idle Air Control Valve - P0505 (system malfunction), P1508, P1509, P1519 (circuit failure)
- 15 - Ignition Output Signal
- 16 - Fuel Injectors
- 17 - VSS: Vehicle Speed Sensor - P0500 (circuit malfunction), P0501 (range/performance)
- 19 - Automatic Transmission Lockup Control Valve
- 20 - Electrical Load Detector - P1297 (low input), P1298 (high input)
- 21 - VTEC Spool Solenoid Valve - P1253 (system malfunction)
- 22 - VTEC Pressure Valve - P1257, P1258, P1259 (system malfunction)
- 23 - KS: Knock Sensor - P0325 (circuit malfunction)
- 30 - Automatic Transmission "A" Signal - P1655 (SEAF/SEFA signal line failure), P1681 (low input), P1682 (high input)
- 31 - Automatic Transmission "B" Signal - P1686 (low input), P1687 (high input)
- 34 - Powertrain Control Module (PCM) Backup Voltage Circuit - P0560 (low voltage)
- 36 - Traction Control (JDM only)
- 41 - Primary Oxygen Sensor Heater (HO2S) - P0135 (circuit malfunction), P1166 (system electrical), P1167 (system)
- 43 - Fuel Supply System
- 45 - Fuel System - P0171 (too lean), P0172 (too rich)
- 48 - LAF: Lean Air/Fuel Sensor - P1162 (circuit malfunction), P1168 (LABEL low input), P1169 (LABEL high input)
- 54 - CKF: Crank Fluctuation Sensor - P1336 (intermittent interruption), P1337 (no signal)
- 58 - TDC: Top Dead Center Sensor #2 - P1366 (intermittent interruption), P1367 (no signal)
- 61 - Primary Oxygen Sensor - P0133 (slow response), P1149 (range/performance), P1163 (slow response), P1164, P1165 (range/performance)
- 63 - Secondary Oxygen Sensor - P0137 (low voltage), P0138 (high voltage), P0139 (slow response)
- 65 - Secondary Oxygen Sensor Heater (HO2S) - P0141 (circuit malfunction)
- 67 - Catalyst System - P0420 (efficiency below threshold)
- 70 - Automatic Transaxle - P1660 (Signal A circuit failure), P0700, P0715, P0720, P0725, P0730, P0740, P0753, P0758, P0763, P0780, P1705, P1706, P1738, P1739, P1753, P1758, P1768, P1773, P1785, P1786, P1790, P1791, P1792, P1793, P1794, P1870, P1873, P1879, P1885, P1886, P1888, P1890, P1891 (automatics suck)
- 71 - Cylinder 1 - P0300 (random misfire), P0301 (misfire detected), P1300 (multiple misfire)
- 72 - Cylinder 2 - P0300 (random misfire), P0302 (misfire detected), P1300 (multiple misfire)
- 73 - Cylinder 3 - P0300 (random misfire), P0303 (misfire detected), P1300 (multiple misfire)
- 74 - Cylinder 4 - P0300 (random misfire), P0304 (misfire detected), P1300 (multiple misfire)
- 75 - Cylinder 5 - P0305 (misfire detected)
- 76 - Cylinder 6 - P0306 (misfire detected)
- 80 - EGR: Exhaust Gas Recirculation - P0401 (insufficient flow)
- 86 - ECT: Engine Coolant Temperature - P0116 (range/performance)
- 90 - Evaporative (EVAP) Emission Control System - P1456 (fuel tank system leak), P1457 (control canister system leak)
- 91 - Fuel Tank Pressure Sensor - P0451 (range/performance), P0452 (low input), P0453 (high input)
- 92 - Evaporative (EVAP) Emission Purge Flow - P0441 (improper purge flow), [b]P1459 (switch malfunction)