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## List of fault code entries (DTC) foe Isuzu 4HK1 Diesel Engine

| Dtc   | Flashing Codes | DTC type                               |                                                | DTC description                                                                               |
|-------|----------------|----------------------------------------|------------------------------------------------|-----------------------------------------------------------------------------------------------|
|       |                | Engine complying with Euro 4 standards | except engines compliant with Euro 4 standards |                                                                                               |
| p0016 | 16             | A                                      | A                                              | Discrepancy of the readings of the position sensors of the crankshaft and distribution shafts |
| p0045 | 33             | A                                      | —                                              | Malfunction in the circuit of the electromagnetic pressure control valve over the Duva        |
| p0079 | 38             | A                                      | —                                              | Low signal level in the circuit of the solenoid control valve of the exhaust path             |
| p0080 | 38             | A                                      | —                                              | High signal level in the circuit of the solenoid control valve of the exhaust path            |
| p0087 | 225            | A                                      | A                                              | Low pressure in Fuel distribution Highway/fuel Supply system                                  |
| p0088 | 118            | D                                      | A                                              | High pressure in Fuel distribution Highway/top Feed System Liwa (first Stage)                 |
| p0088 | 118            | A                                      | A                                              | High pressure in Fuel distribution Highway/top Feed System Liwa (second Stage)                |
| p0089 | 151            | A                                      | A                                              | Fuel pressure regulator malfunction                                                           |
| p0091 | 247            | A                                      | A                                              | Low signal level in the fuel pressure regulator circuit                                       |
| p0092 | 247            | A                                      | A                                              | High signal level in the fuel pressure regulator circuit                                      |
| p0093 | 227            | A                                      | A                                              | Leakage in the fuel supply system                                                             |
| P0101 | 92             | B                                      | -                                              | Incorrect signal or malfunction in the circuit of the mass air flow sensor                    |
| p0102 | 91             | A                                      | -                                              | Low signal level at the input of the mass air flow sensor                                     |
| p0103 | 91             | A                                      | -                                              | High signal level at the input of the mass air flow sensor                                    |
| p0107 | 32             | A                                      | A                                              | Low signal level at the inlet of the absolute pressure sensor located in the inlet manifold   |
| p0108 | 32             | A                                      | A                                              | High signal level at the inlet of the absolute pressure sensor located in the inlet manifold  |
| p0112 | 22             | A                                      | A                                              | Low signal level in the inlet air temperature sensor chain                                    |
| p0113 | 22             | A                                      | A                                              | High signal level in the inlet air temperature sensor chain                                   |
| p0116 | 23             | B                                      | -                                              | Incorrect signal or malfunction in the coolant temperature sensor circuit                     |
| p0117 | 23             | A                                      | A                                              | Low signal level in the circuit of the coolant temperature sensor                             |
| p0118 | 23             | A                                      | A                                              | High signal level in the circuit of the coolant temperature sensor                            |
| p0122 | 43             | A                                      | -                                              | Low signal level in the throttle position sensor chain                                        |
| P0123 | 43             | A                                      | -                                              | High signal level in the throttle position sensor chain                                       |
| p0182 | 211            | A                                      | A                                              | Low signal level in the fuel temperature sensor circuit                                       |
| p0183 | 211            | A                                      | A                                              | High signal level in the fuel temperature sensor circuit                                      |
| p0192 | 245            | A                                      | A                                              | Low signal level in the fuel pressure sensor circuit                                          |
| p0193 | 245            | A                                      | A                                              | High signal level in the fuel pressure sensor circuit                                         |
| p0201 | 271            | A                                      | A                                              | Breakage in the chain of the first cylinder nozzle                                            |
| p0202 | 272            | A                                      | A                                              | Breakage in the chain of the nozzle of the second cylinder                                    |
| p0203 | 273            | A                                      | A                                              | Breakage in the chain of the nozzle of the third cylinder                                     |
| p0204 | 274            | A                                      | A                                              | Breakage in the chain of the nozzle of the fourth cylinder                                    |

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| p0217 | 542 | D | D | Coolant temperature exceeding                                                                  |
|-------|-----|---|---|------------------------------------------------------------------------------------------------|
| p0219 | 543 | D | A | Exceeding the speed of the engine crankshaft                                                   |
| p0234 | 42  | A | A | Excess pressurization                                                                          |
| p0299 | 65  | B | A | Insufficient pressurization pressure                                                           |
| p0335 | 15  | A | A | Malfunction in the sensor chain of the crankshaft position                                     |
| p0336 | 15  | A | A | Incorrect signal or malfunction in the crankshaft position sensor chain                        |
| p0340 | 14  | A | A | Malfunction in the sensor circuit of the distribution shaft position                           |
| p0341 | 14  | A | A | Incorrect signal or malfunction in the sensor circuit of the distributor positionShaft         |
| p0380 | 66  | C | A | Malfunction in the chain of incandescent candles                                               |
| p0381 | 67  | C | A | malfunction in the control lamp circuit of the pre-heating system                              |
| p0401 | 93  | A | — | Insufficient quantity Recycled Gases                                                           |
| p0404 | 45  | A | A | Incorrect signal or malfunction in the control circuit of the EGR system                       |
| p0409 | 44  | A | A | Malfunction in the EGR valve position sensor circuit                                           |
| p0426 | 143 | C | — | Incorrect signal or malfunction in the circuit of the sensor № 1 temperature having workedGa   |
| p0427 | 48  | A | — | Low signal level in № sensor chain 1 of exhaust gas temperature                                |
| p0428 | 48  | A | — | High signal level in the № sensor chain 1 of the exhaust gas temperature                       |
| p042b | 145 | C | — | Incorrect signal or malfunction in the sensor circuit № 2 temperatures having workedGases      |
| p042c | 49  | C | — | Low signal level in № sensor chain 2 exhaust gas temperatures                                  |
| p042d | 49  | C | — | High signal level in № sensor chain 2 exhaust gas temperatures                                 |
| p0477 | 46  | - | A | Low signal level in the control circuit of the exhaust tract damper                            |
| p0478 | 46  | — | A | High signal level in the pressure control valve circuit of the businesses releaseTavshih gases |
| p0500 | 25  | B | A | Malfunction of the speed sensor                                                                |
| p0502 | 25  | A | A | Low speed sensor input level                                                                   |
| p0503 | 25  | A | A | High signal level at the input of the vehicle speed sensor                                     |
| p0560 | 155 | A | — | Incorrect voltage in the on-board network                                                      |
| p0563 | 35  | C | A | High voltage in the on-board network                                                           |
| p0601 | 53  | A | A | Control unit internal RAM checksum error                                                       |
| p0602 | 154 | C | A | Control Unit Programming Error                                                                 |
| p0604 | 153 | A | A | Control unit Internal RAM error                                                                |
| p0606 | 51  | A | A | ECM processor malfunction                                                                      |
| p060b | 36  | A | A | Malfunction in the circuit of the internal analog-digital converter of the control unit        |
| p0633 | 176 | C | A | Immobilizer not programmed                                                                     |
| p0638 | 61  | B | A | Incorrect signal or malfunction in control circuit of throttle actuator                        |
| p0641 | 55  | A | A | Malfunction in the circuit of the reference voltage of the sensor № 1                          |
| p0650 | 77  | A | D | Malfunction in control circuit of control lamp "check engine"                                  |
| p0651 | 56  | A | A | Malfunction in the circuit of the reference voltage of the sensor № 2                          |
| p0685 | 416 | C | A | Breakage in the control circuit of the ECM power supply relay                                  |
| p0687 | 416 | C | A | High signal level in ECM power relay control circuit                                           |

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|-------|-----|---|---|----------------------------------------------------------------------------------|
| p0697 | 57  | A | A | Malfunction in the circuit of the reference voltage of the sensor № 3            |
| p1093 | 227 | A | A | Insufficient fuel pressure                                                       |
| p1261 | 34  | A | A | Positive voltage of the nozzle control circuits of the № Group 1                 |
| p1262 | 34  | A | A | Positive voltage of the nozzle control circuits of the № Group 2                 |
| p1404 | 45  | A | - | Incorrect position of the EGR system valve (closed position Error)               |
| p1404 | 45  | A | A | Incorrect position of the EGR system valve (error in memorytion                  |
| p1455 | 132 | A | - | Excessive particulate content in the particulate filter                          |
| p1471 | 149 | A | - | Insufficient regeneration of particulate filter                                  |
| p161b | 179 | C | A | Invalid response signal immobilizer                                              |
| p1621 | 54  | A | A | Malfunction of the control unit ROM                                              |
| p1664 | 76  | C | - | Service Indicator Management Chain                                               |
| p1669 | 75  | C | - | Particulate filter control Lamp control circuit                                  |
| p2122 | 121 | B | A | Low signal level at the input of the № accelerator pedal position Sensor 1       |
| P2123 | 121 | B | A | High signal level at the input of the accelerator pedal position sensor № 1      |
| p2127 | 122 | B | A | Low signal level at the input of the № accelerator pedal position Sensor 2       |
| p2128 | 122 | B | A | High signal level at the input of the № accelerator pedal position Sensor 2      |
| p2138 | 124 | B | A | № 1 and № 2 accelerator pedal position sensor mismatch                           |
| p2146 | 158 | A | A | Circuit of supply of a voltage on nozzles of group № 1                           |
| p2149 | 159 | A | A | Circuit of supply of a voltage on nozzles of group № 2                           |
| p2227 | 71  | B | - | Incorrect signal or malfunction in the circuit of atmospheric pressure sensor    |
| p2228 | 71  | A | A | Low signal level in atmospheric pressure sensor circuit                          |
| p2229 | 71  | A | A | High signal level in atmospheric pressure sensor circuit                         |
| p242f | 131 | A | - | Particulate filter clogging                                                      |
| p2452 | 142 | A | - | Malfunction in the circuit of the differential pressure gauge                    |
| p2453 | 141 | A | - | Incorrect signal or malfunction in the differential pressure gauge circuit       |
| p2454 | 47  | A | - | Low signal level in the differential pressure gauge circuit                      |
| p2455 | 47  | A | - | High signal level in the differential pressure gauge chain                       |
| p2456 | 47  | A | - | Incorrect initialization of differential pressure gauge                          |
| p2458 | 139 | A | - | Exceeding duration of regeneration of differential pressure gauge                |
| p253a | 28  | C | A | Malfunction in the sensor circuit of the power selection mechanism               |
| p256a | 31  | C | A | Malfunction in the circuit of the regulator of idle speed                        |
| u0073 | 84  | B | A | Disabling the communication bus of the control unit                              |
| U0101 | 85  | C | A | Connection breakage with Gearbox control unit (TCM)                              |
| u0110 | 87  | A | A | Breakage of connection with Turbo control unit with variable GeoMetLeading (VNT) |
| u0167 | 177 | C | A | Connection breakage with Immobilizer control unit                                |