

INTERNATIONAL Truck Fault Codes DTC list

DTC Circuit Condition Description

- 111 ECM No errors detected - flash code only
- 112 ECM PWR Electrical system voltage B+ out-of-range high
- 113 ECM PWR Electrical system voltage B+ out-of-range low
- 114 ECT Engine Coolant Temperature signal out-of-range low

- 115 ECT Engine Coolant Temperature signal out-of-range high

- 121 MAP Intake Manifold Absolute Pressure signal out-of-range high

- 122 MAP Intake Manifold Absolute Pressure signal out-of-range low
- 123 MAP Intake Manifold Absolute Pressure signal in-range fault

- 124 ICP Injection Control Pressure signal out-of-range low

- 125 ICP Injection Control Pressure signal out-of-range high

- 126 BCP Engine Brake Control Pressure signal out-of-range low

- 127 BCP Engine Brake Control Pressure signal out-of-range high

- 131 APS/IVS APS signal out-of-range low

- 132 APS/IVS APS signal out-of-range high

- 133 APS/IVS APS signal in-range DTC

- 134 APS/IVS APS signal and IVS disagree

- 135 APS/IVS Idle Validation Switch circuit fault
- 136 EFP Engine Fuel Pressure signal out-of-range low
- 137 EFP Engine Fuel Pressure signal out-of-range high
- 141 VVS Vehicle Speed Sensor signal out-of-range low

142 VVS Vehicle Speed Sensor signal out-of-range high

143 CMP Incorrect CMP signal signature

145 CMP CMP signal inactive

146 CKP CKP signal inactive

147 CKP Incorrect CKP signal signature

151 BAP Barometric Absolute Pressure signal out-of-range high

152 BAP Barometric Absolute Pressure signal out-of-range low

153 WIF Barometric Absolute Pressure signal out-of-range low

154 IAT Inlet Air temperature signal out-of-range low

155 IAT Inlet Air temperature signal out-of-range high

161 MAT Manifold Air Temperature Signal out-of-range low

162 MAT Manifold Air Temperature Signal out-of-range high

163 EGR Exhaust Gas Recirculation Valve Position Signal out-of-range low

211 EOP Engine Oil Pressure signal out-of-range low

212 EOP Engine Oil Pressure signal out-of-range high

215 VSS Vehicle Speed Sensor signal frequency out-of-range high

225 EOP EOP sensor signal in-range fault

231 ATA ATA data communication link error

236 ELC ECL switch circuit fault

241 IPR Injection Control Pressure regulator OCC self test failed

246 EFAN Engine Fan - OCC self test fault

247 BSV Engine Brake enable OCC self test failed

251 IAH Inlet Air Heater OCC self test failed

256 RSE Variable Geometry Turbo control OCC self test failed

267 ECI Engine Crank Inhibit OCC self test failed

Fault Codes DTC of **International Navistar** Truck

311 EOT Engine Oil Temperature signal out-of-range low

312 EOT Engine Oil Temperature signal out-of-range high

313 EWPS Engine Oil Pressure below warning level

314 EWPS Engine Oil Pressure below critical level

315 EWPS Engine speed above warning level

316 EWPS Engine Coolant Temperature unable to reach commanded set point

321 EWPS Engine Coolant Temperature above warning level

322 EWPS Engine Coolant Temperature above critical level

323 EWPS Engine Coolant Level below warning/critical level

324 IST Idle Shutdown Timer enabled engine shutdown

325 EWPS Power reduced, matched to cooling system performance

331 ICP SYS Injection Control Pressure above system working range

332 ICP Injection Control Pressure above spec. with engine not running

333 ICP SYS Injection Control Pressure above/below desired level

334 ICP SYS ICP unable to achieve setpoint in time (poor performance)

335 ICP SYS ICP unable to build pressure during cranking

341 EBP Exhaust Back Pressure signal out-of-range low

342 EBP Exhaust Back Pressure signal out-of-range high

343 AMS Excessive exhaust back pressure (gauge)

344 EBP Exhaust back pressure above spec. when engine off

345 AMS Faults detected during VGT portion of the AMS Test

346 AMS Faults detected during EGR portion of the AMS Test

351 AMS Change in exhaust back pressure did not occur when expected

353 AMS Variable Geometry Turbo control over duty cycle

354 AMS Variable Geometry Turbo control under duty cycle

355 AMS Variable Geometry Turbo overspeed

361 AMS VGT control input (MAP/EBP) above/below desired level

365 AMS EGR Valve Position above/below desired level

368 AMS EGR driver module/ECM2 communication fault

371 EFP Engine Fuel Pressure is above normal operating range

372 EFP Engine Fuel Pressure is below normal operating range

421 - 426 INJ High side to low side open (cylinder number indicated)

431 - 436 INJ High side shorted to low side (cylinder number indicated)

451 - 456 INJ High side short to ground or V BAT (cylinder number indicated)

International Navistar Truck DTC list

523 IDM IDM V IGN voltage low

525 IDM IDM fault

533 IDM IDM relay voltage high

534 IDM IDM relay voltage low

543 ECM/IDM ECM/IDM communications fault

546 ECM/IDM Engine Brake Control Pressure is below expected range

547 ECM/IDM Engine Brake Control Pressure is above expected range

551 ECM/IDM IDM/CMPO signal inactive

552 ECM/IDM IDM incorrect CMPO signal signature

553 ECM/IDM IDM CKPO signal inactive

554 ECM/IDM IDM incorrect CKPO signal signature

613 ECM ECM/IDM software not compatible

614 ECM EFRC/ECM configuration mismatch

621 ECM Engine using mfg. default rating

622 ECM Engine using field default rating

623 ECM Invalid Engine Family Rating Code (EFRC)

624 ECM Field default active

626 ECM/PWR Unexpected reset fault

631 ECM Read Only Memory (ROM) self test fault

632 ECM Random Access Memory (RAM) - CPU self test fault

655 ECM Programmable parameter list level incompatible

661 ECM RAM programmable parameter list corrupt

664 ECM Calibration level incompatible

665 ECM Programmable parameter memory content corrupt