

Case IH Tractors, Farmall series Fault Codes DTC

TYPE CODE ERROR

- ENG 111 Engine Controller Failure - Hardware Failure
- ENG 115 Engine Speed Sensor (8.3, 9 Liter) or Cam Sensor (15 Liter) is failed
- ENG 121 Engine Position Sensor (8.3, 9 Liter) or Crankshaft Sensor (15 Liter) is failed
- ENG 122 Boost Pressure Sensor voltage is too high
- ENG 123 Boost Pressure Sensor voltage is too low
- ENG 124 Boost Pressure level has exceeded the warning limit.
- ENG 131 Decelerator or Hand Throttle (STD cab) Position potentiometer voltage is too high
- ENG 132 Decelerator or Hand Throttle (STD cab) Position potentiometer voltage is too low
- ENG 133 Decelerator (STD cab) Position potentiometer voltage is too high
- ENG 134 Decelerator (STD cab) Position potentiometer voltage is too low
- ENG 135 Oil Pressure Sensor voltage is too high
- ENG 141 Oil Pressure Sensor voltage is too low
- ENG 143 Oil Pressure level has fallen below the warning limit.
- ENG 144 Coolant Temperature Sensor voltage is too high
- ENG 145 Coolant Temperature Sensor voltage is too low
- ENG 146 Coolant Temperature level has exceeded the warning limit.
- ENG 147 Frequency Throttle Signal shorted high
- ENG 148 Frequency Throttle Signal shorted low
- ENG 151 Coolant Temperature level has exceeded the warning limit.
- ENG 153 Intake Manifold Temperature Sensor voltage is too high
- ENG 154 Intake Manifold Temperature Sensor voltage is too low
- ENG 155 Intake Manifold Temperature level has exceeded the warning limit.
- ENG 187 Sensor Supply 2 Voltage is too low.
- ENG 191 A/C clutch driver shorted to ground when ON.
- ENG 211 Communications problem with Armrest, Instrumentation, or Transmission Controllers
- ENG 212 Oil Temperature Sensor Voltage is too high
- ENG 213 Oil Temperature Sensor Voltage is too low
- ENG 214 Oil Temperature Sensor Voltage is above normal range
- ENG 219 Oil Level - remote reservoir is too low. Add oil.
- ENG 221 Ambient Air Pressure Sensor Voltage is too high

- ENG 222 Ambient Air Pressure Sensor Voltage is too low
- ENG 223 CORS - Burn Valve Solenoid is shorted either low or high
- ENG 227 Sensor Supply 2 Voltage is too high.
- ENG 234 Engine Speed has exceed the overspeed warning limit.
- ENG 235 Engine Coolant Level is low. Add coolant fluid.
- ENG 237 External Speed Multi Unit Sync Command Input Data Incorrect.
- ENG 241 Vehicle Speed Signal lost
- ENG 242 Vehicle Speed Signal intermittent / tampering
- ENG 243 Error detected in exhaust brake relay
- ENG 245 Fan Clutch Voltage too low
- ENG 254 Fuel Shutoff Valve Voltage too low
- ENG 255 Fuel Shutoff Valve Voltage too high
- ENG 259 Fuel Shutoff Valve mechanically stuck open.
- ENG 263 Fuel Temperature Sensor voltage is too high
- ENG 265 Fuel Temperature Sensor voltage is too low
- ENG 268 Fuel Pressure in pump is not changing with operating conditions.
- ENG 271 Front Pumping Control Valve current is low during "click test"
- ENG 272 Front Pumping Control Valve current is high
- ENG 273 Rear Pumping Control Valve current is low during "click test"
- ENG 274 Rear Pumping Control Valve current is high

- ENG 275 Front Pumping element is failed
- ENG 276 Injection Control Valve current is out of range
- ENG 277 Injection Control Valve is failed
- ENG 278 Fuel Lift Pump is failed
- ENG 279 Injection Control Valve current is out of range
- ENG 281 Front Pumping element is failed
- ENG 282 Rear Pumping element is failed
- ENG 283 Engine Speed/Position Sensor supply voltage is too high
- ENG 284 Engine Speed/Position Sensor supply voltage is too low
- ENG 285 J1939 Parameter was set to be multiplexed, but not received (timeout error)

- ENG 286 J1939 Parameter was set to be multiplexed, but not available from all sources (config error)
- ENG 287 Multiplexing throttle parameter and a data error was received - data invalid
- ENG 288 Multiplexing remote throttle parameter and a data error was received - data invalid
- ENG 293 Hydraulic Fan Hydraulic Oil Temperature Sensor Voltage is too high
- ENG 294 Hydraulic Fan Hydraulic Oil Temperature Sensor Voltage is too low
- ENG 295 Ambient Air Pressure data invalid
- ENG 297 OEM Pressure Sensor Voltage is too high.
- ENG 298 OEM Pressure Sensor Voltage is too low.
- ENG 299 Engine Shutdown by other than keyswitch (i.e. via data bus command)
- ENG 319 Real Time Clock in controller has lost power
- ENG 328 Rear Pumping element is failed
- ENG 329 CAPS Pump has an overpumping failure
- ENG 338 Idle Shutdown Vehicle Accessory Relay Voltage is too high
- ENG 339 Idle Shutdown Vehicle Accessory Relay Voltage is too low
- ENG 341 All data written during powerdown cycle was lost (checksum error)
- ENG 343 Engine Controller Failure - Hardware Failure
- ENG 349 Measured Speed is too high.
- ENG 352 5 Volt Sensor Supply voltage is too low
- ENG 378 Front Fueling current is too low
- ENG 379 Front fueling current is too high
- ENG 381 Error detected in cold start relay 1
- ENG 382 Error detected in cold start relay 2
- ENG 385 5 Volt Sensor Supply voltage is too high
- ENG 386 5 Volt Sensor Supply voltage is too high
- ENG 387 Decelerator or Hand Throttle (STD cab) 5 Volt Supply voltage is too high
- ENG 388 Engine Brake driver 1 circuit failure
- ENG 392 Engine Brake driver 2 circuit failure
- ENG 393 Engine Brake driver 3 circuit failure
- ENG 394 Front Timing current is too low.
- ENG 395 Front Timing current is too high.
- ENG 396 Rear Fueling current is too low
- ENG 397 Rear Fueling current is too high
- ENG 398 Rear Timing current is too low
- ENG 399 Rear Timing current is too high
- ENG 412 J1708 data link cannot transmit
- ENG 414 J1708 data link not fast enough
- ENG 415 Oil Pressure level has fallen below the very low warning limit.
- ENG 418 Water in Fuel sensor indicates the water in the fuel filter needs to be drained.
- ENG 419 Boost Pressure data invalid
- ENG 422 Engine Coolant Level Sensor (optional) is failed or the jumper plug is missing
- ENG 426 J1939 data link cannot transmit

- ENG 427 J1939 data link not fast enough
- ENG 428 Water in Fuel Sensor voltage is too high.
- ENG 429 Water in Fuel Sensor voltage is too low.
- ENG 431 Hand Throttle (STD cab) Idle Validation Switches are both closed
- ENG 432 Hand Throttle (STD cab) position potentiometer and switches disagree.
- ENG 433 Boost Pressure level disagrees with engine operation conditions (speed & power)
- ENG 434 Unswitched 12 volt supply voltage disconnected without normal key off sequence.
- ENG 435 Oil Pressure data invalid
- ENG 441 Battery Voltage is too Low (less than 6 volts)
- ENG 442 Battery Voltage is too High
- ENG 443 Decelerator or Hand Throttle (STD cab) 5 Volt Supply voltage is too low
- ENG 444 Low voltage detected at OEM 5 volt supply
- ENG 449 Fuel Pressure level has exceeded the warning limit.
- ENG 451 Fuel Pressure Sensor voltage is too high
- ENG 452 Fuel Pressure Sensor voltage is too low
- ENG 456 Fuel Pressure in pump is not changing with operating conditions.
- ENG 465 Wastegate 1 voltage is too high
- ENG 466 Wastegate 1 voltage is too low
- ENG 482 Fuel Pressure Sensor voltage low
- ENG 483 Rear Bank Post Actuator Pressure voltage high
- ENG 484 Rear Bank Post Actuator Pressure voltage low
- ENG 485 Rear Fueling actuator overfueling
- ENG 486 Rear Fueling actuator underfueling
- ENG 488 Intake Manifold Temperature level has exceeded the warning limit.
- ENG 489 Measured Speed Sensor data low
- ENG 491 Wastegate 2 voltage is too high
- ENG 492 Wastegate 2 voltage is too low
- ENG 493 The Injection Control Identifier Circuit in the harness has failed.
- ENG 496 Engine Speed / Position Sensor #2 supply is too low
- ENG 524 Error detected on high speed governor droop selection switch
- ENG 527 Cab pressurization/Ether relay coil circuit shorted high or open
- ENG 529 Output B driver shorted high or open
- ENG 539 The Injection Control Valve Transorb in the harness has failed. (open circuit)
- ENG 546 Fuel Pressure sensor voltage is too high.
- ENG 547 Fuel Pressure sensor voltage is too low.
- ENG 551 Hand Throttle (STD cab) Idle Validation Switches are both open
- ENG 553 Front fueling actuator overfueling
- ENG 559 Front fueling actuator underfueling
- ENG 581 Fuel inlet Pressure Sensor voltage is too high.
- ENG 582 Fuel inlet Pressure Sensor voltage is too low.
- ENG 583 Fuel Inlet Pressure Sensor voltage out of range high or low.
- ENG 595 Turbo overspeed protection fault
- ENG 596 Battery voltage is too high
- ENG 597 Battery voltage is too low
- ENG 598 Battery voltage is very low
- ENG 599 Engine is being shutdown based on OEM input
- ENG 611 ECM detected engine initiated protection shutdown or keyed-off while above specific load limit
- ENG 697 Engine Controller internal temperature too high
- ENG 698 Engine Controller internal temperature too low
- ENG 731 Engine Speed / Position #2 - Mechanical misalignment.
- ENG 753 Synchronization has been lost.

ENG 755 Front Bank injector is bad.
ENG 758 Rear Bank injector is bad
ENG 951 A power imbalance between the cylinders was detected by the controller hardware
ENG 983 Unused A/D input channel out of range.
ENG 1117 Battery voltage too low, or the controller was not allowed to power down correctly
ENG 1256 Control Module Identification Input State Error.
ENG 1257 Control Module Identification Input State Error.
ENG 2117 Engine Coolant Level is low. Add coolant fluid.
ENG 2186 Supply Voltage to the accelerator pedal position sensor too low.
ENG 2195 Auxiliary Equipment Sensor Input # 3 - Engine Protection Critical - Special Instructions.
ENG 2249 Injector Metering Rail 1 Fuel Pressure lower than commanded pressure.
ENG 2265 Electric Lift Pump for Engine Fuel Supply Voltage too high.
ENG 2266 Electric Lift Pump for Engine Fuel Supply Voltage too low.
ENG 2292 Fuel Inlet Meter Device higher than expected.
ENG 2293 Fuel Inlet Meter Device flow demand lower than expected.
ENG 2311 Electronic Fuel Injection Control Valve open or closed Circuit.
ENG 2321 Engine Crankshaft Speed / Position data invalid.
ENG 2322 Engine Camshaft Speed / Position Sensor data invalid.
ENG 2372 Engine Fuel Filter clogged error
ENG 2555 Intake Air Heater 1 Circuit Voltage too high.
ENG 2558 Auxiliary PWM Driver 1 Circuit Voltage too low.
ENG 2973 Intake Manifold 1 Pressure data invalid.
TRANS 11 Master Clutch Potentiometer Open Circuit or short to ground
TRANS 12 Master Clutch Potentiometer Short to +12 Volts or short to 5 Vreff
TRANS 24 None of the transmission clutches are calibrated
TRANS 37 BOC switch open circuit or Neutral relay stuck open
TRANS 38 Shuttled to reverse when no wheel speed signal was available
TRANS 47 Clutch pedal bottom of clutch switch misadjusted
TRANS 48 BOC switch or Neutral relay short circuit
TRANS 49 Auto Guidance Isolation valve driver Fault
TRANS 50 Park Brake is powered off when in park
TRANS 51 FNRP pod indicates Forward or Reverse is on, when Park is on
TRANS 52 Park Brake is stuck on when commanded off
TRANS 53 5 volt reference voltage too high
TRANS 54 5 volt reference voltage too low
TRANS 59 FNRP pod in illogical state (two positions on at same time)
TRANS 60 FNRP pod in illogical state (in no position)
TRANS 61 System pressure valve solenoid circuit is open circuit or shorted to ground
TRANS 62 System pressure solenoid is shorted to B+
TRANS 64 Transmission output Sped is too high (above 8200 RPM)
TRANS 65 Operator attempted a shuttle operation while out of the seat
TRANS 66 FNRP Pod Forward switch is shorted to ground or open circuit
TRANS 67 FNRP Pod Forward switch is shorted to power
TRANS 68 FNRP Pod Reverse switch is shorted to ground or open circuit
TRANS 69 FNRP Pod Reverse switch is shorted to power
TRANS 70 Battery voltage is too low for clutch solenoid operation
TRANS 72 Transmission Oil Temperature is above 122 deg. C
TRANS 73 Software is out of the calibration mode and the park brake request is still active.
TRANS 74 The park brake ON with gear is engaged - no park brake request from calibration.
TRANS 75 Engine speed from Inst Controller does not match the speed signal from the alternator.

- TRANS 76 Engine speed from Engine Controller does not match the speed signal from the alternator.
- TRANS 77 No signal from wheel speed sensor
- TRANS 78 Transmission regulated pressure accumulator is discharged
- TRANS 79 Engine RPM from the alternator is measured too high
- TRANS 80 Wheel speed sensor is measured too high
- TRANS 81 Transmission clutches are slipping
- TRANS 82 Creep Clutch is not calibrated
- TRANS 83 Communications Lost with Engine Controller
- TRANS 103 Odd clutch solenoid or its wiring failed open or shorted to ground
- TRANS 104 Even clutch solenoid or its wiring failed open or shorted to ground
- TRANS 105 C1-2 clutch solenoid or its wiring failed open or shorted to ground
- TRANS 106 C3-4 clutch solenoid or its wiring failed open or shorted to ground
- TRANS 107 C5-6 clutch solenoid or its wiring failed open or shorted to ground
- TRANS 108 Master clutch solenoid or its wiring failed open or shorted to ground
- TRANS 109 Low range clutch solenoid or its wiring failed open or shorted to ground
- TRANS 110 Mid range clutch solenoid or its wiring failed open or shorted to ground
- TRANS 111 High range clutch solenoid or its wiring failed open or shorted to ground
- TRANS 112 Reverse clutch solenoid or its wiring failed open or shorted to ground
- TRANS 113 Creeper clutch solenoid or its wiring failed open or shorted to ground
- TRANS 114 Even clutch solenoid coil or its wiring shorted to power
- TRANS 115 Odd clutch solenoid coil or its wiring shorted to power
- TRANS 116 C1-2 clutch solenoid coil or its wiring shorted to power
- TRANS 117 C3-4 clutch solenoid coil or its wiring shorted to power
- TRANS 118 C5-6 clutch solenoid coil or its wiring shorted to power
- TRANS 119 Master clutch solenoid coil or its wiring shorted to power
- TRANS 120 Low range clutch solenoid coil or its wiring shorted to power
- TRANS 121 Mid range clutch solenoid coil or its wiring shorted to power
- TRANS 122 High range clutch solenoid coil or its wiring shorted to power
- TRANS 123 Reverse clutch solenoid coil or its wiring shorted to power
- TRANS 124 Creeper clutch solenoid coil or its wiring shorted to power
- TRANS 125 Odd clutch is not calibrated
- TRANS 126 Even clutch is not calibrated
- TRANS 127 C1-2 clutch is not calibrated
- TRANS 128 C3-4 clutch is not calibrated
- TRANS 129 C5-6 clutch is not calibrated
- TRANS 130 Low range clutch is not calibrated
- TRANS 131 Mid range clutch is not calibrated
- TRANS 132 High range clutch is not calibrated
- TRANS 133 Reverse clutch is not calibrated
- TRANS 134 Master clutch is not calibrated
- TRANS 135 Communication lost with the armrest controller
- TRANS 136 Communication lost with the instrumentation controller
- TRANS 137 Front Suspension raise lock solenoid circuit shorted or open circuit
- TRANS 138 Front Suspension raise solenoid circuit shorted or open circuit
- TRANS 139 Front Suspension lower lock solenoid circuit shorted or open circuit
- TRANS 140 Front suspension position is above the expected absolute limit
- TRANS 141 Front suspension position is below the expected absolute limit
- TRANS 142 Front suspension travel range has not been calibrated
- TRANS 143 Front suspension position is above the upper suspension range
- TRANS 144 Front suspension position is below the lower suspension range
- TRANS 145 Front Suspension lower lock solenoid circuit shorted or open circuit

TRANS 146 Regulated system pressure low (below 100PSI / 689 KPA)
TRANS 147 Regulated system pressure below 290 PSI
TRANS 148 Backup alarm circuit shorted or open
TRANS 150 Front suspension pressure sensor rod side (DA-R) out of range high
TRANS 151 Front suspension pressure sensor rod side open circuit
TRANS 152 Front Suspension pressure control not able to increase pressure on the rod side
TRANS 153 Front Suspension pressure control not able to decrease pressure on the rod side
TRANS 154 Front Suspension Lock Valve Stuck on fault (suspension will not lock)
TRANS 155 Front Suspension Lock Valve is stuck of (suspension will not unlock)
TRANS 156 Lock valve was installed but removed
ARM 19 Hand THROTTLE potentiometer is failed
ARM 29 Aux 1st remote valve LEVER potentiometer is failed
ARM 39 Aux 2nd remote valve LEVER potentiometer is failed
ARM 49 Aux 3rd remote valve LEVER potentiometer is failed
ARM 59 Aux 4th remote valve LEVER potentiometer is failed
ARM 69 HITCH POSITION command potentiometer is failed
ARM 79 HITCH LOAD command potentiometer is failed
ARM 89 Aux 1st remote valve FLOW potentiometer is failed
ARM 99 Aux 2nd remote valve FLOW potentiometer is failed
ARM 109 Aux 3rd remote valve FLOW potentiometer is failed
ARM 119 Aux 4th remote valve FLOW potentiometer is failed
ARM 129 Aux 5th remote valve FLOW potentiometer is failed
ARM 139 Aux remote valve TIMER potentiometer is failed
ARM 149 Hitch UPPER LIMIT potentiometer is failed
ARM 159 Hitch DROP RATE potentiometer is failed
ARM 169 Hitch TRAVEL potentiometer is failed
ARM 1029 Aux 5th remote valve control switch is failed
ARM 1039 PTO switch is failed
ARM 1049 Hitch UP/DOWN switch is failed
ARM 1059 Hitch SLIP switch is failed
ARM 1069 MFD switch is failed
ARM 1079 DIFF LOCK switch is failed
ARM 1089 Programmable UP/DOWN switch is failed.
ARM 1099 Aux remote valve LIMIT SET switch is failed
ARM 1109 Hand Throttle IDLE VALIDATION switch is failed
ARM 1119 RECORD/PLAY switch is failed
ARM 1129 Invalid Configuration - Implement Depth Control switch is failed
ARM 1139 Engine Brake switch is failed
ARM 1149 Auto Field / Transport Switch is in an illogical state
ARM 8011 Battery Voltage is too Low
ARM 9011 Controller Memory Error - Loss of Hitch Position Command Calibration
ARM 9012 Controller Memory Error - Loss of Aux Remote Lever Calibrations
ARM 9013 Controller Memory Error - Loss of Throttle Calibrations
ARM 9014 Controller Memory Error - Loss of MFD switch Configuration
ARM 9015 Controller Memory Error - Loss of Trans switches Configuration
ARM 9021 Hitch position command potentiometer calibration results not acceptable
ARM 9031 Hand throttle potentiometer calibration results not acceptable
ARM 9041 Hitch DROP RATE potentiometer calibration value(s) are out of range
ARM 10091 Armrest Controller failure - 5 V regulator failure
ARM 12013 Communications Lost with Data Bus and ALL other controllers
ARM 12081 Loss of/unavailable Performance Monitor Display - RECORD/PLAY functionality disabled