

Failure code table

| Action code | Failure code | Failure area | Trouble symptom | Alarm Buzzer | Cont roller | History classification |
|-------------|--------------|---------------------------------------|--|--------------|-------------|------------------------|
| CALL E03 | 1500L0 | Transmission clutch | Dual engagement | ● | S/T | Electric system |
| CALL E03 | 15SAL1 | Forward clutch | Fill signal is ON when command current is OFF. | ● | S/T | Electric system |
| CALL E03 | 15SALH | Forward clutch | Fill signal is OFF when command current is ON. | ● | S/T | Electric system |
| CALL E03 | 15SBL1 | Reverse clutch | Fill signal is ON when command current is OFF. | ● | S/T | Electric system |
| CALL E03 | 15SBLH | Reverse clutch | Fill signal is OFF when command current is ON. | ● | S/T | Electric system |
| CALL E03 | 15SEL1 | 1st clutch | Fill signal is ON when command current is OFF. | ● | S/T | Electric system |
| CALL E03 | 15SELH | 1st clutch | Fill signal is OFF when command current is ON. | ● | S/T | Electric system |
| CALL E03 | 15SFL1 | 2nd clutch | Fill signal is ON when command current is OFF. | ● | S/T | Electric system |
| CALL E03 | 15SFLH | 2nd clutch | Fill signal is OFF when command current is ON. | ● | S/T | Electric system |
| CALL E03 | 15SGL1 | 3rd clutch | Fill signal is ON when command current is OFF. | ● | S/T | Electric system |
| CALL E03 | 15SGLH | 3rd clutch | Fill signal is OFF when command current is ON. | ● | S/T | Electric system |
| — | AB00MA | Alternator | Malfunction | | S/T | Mechanical system |
| — | B@BAZG | Engine oil | Oil pressure reduction | ● | ENG | Mechanical system |
| — | B@BCNS | Radiator coolant | Overheat | ● | ENG | Mechanical system |
| — | B@CENS | Power train oil | Overheat | ● | S/T | Mechanical system |
| — | B@HANS | Hydraulic oil | Overheat | ● | S/T | Mechanical system |
| CALL E04 | CA111 | Engine controller | Abnormality in controller | ● | ENG | Electric system |
| CALL E04 | CA115 | Abnormal engine NE, Bkup speed sensor | Abnormal speed sensor signal | ● | ENG | Electric system |
| CALL E03 | CA122 | Charge pressure sensor too high | Excessively high voltage detected | ● | ENG | Electric system |
| CALL E03 | CA123 | Charge pressure sensor too low | Excessively low voltage detected | ● | ENG | Electric system |
| CALL E03 | CA131 | Decelerator pedal sensor too high | Excessively high voltage detected | ● | ENG | Electric system |
| CALL E03 | CA132 | Decelerator pedal sensor too low | Excessively low voltage detected | ● | ENG | Electric system |
| E01 | CA144 | Coolant temperature sensor too high | Excessively high voltage detected | | ENG | Electric system |
| E01 | CA145 | Coolant temperature sensor too low | Excessively low voltage detected | | ENG | Electric system |
| E01 | CA153 | Charge temperature sensor too high | Excessively high voltage detected | | ENG | Electric system |

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| E01 | CA154 | Charge temperature sensor too low | Excessively low voltage detected | | ENG | Electric system |
| CALL E03 | CA155 | Charge temperature too high and engine speed derated | Exceeded upper control limit of temperature | ● | ENG | Electric system |
| CALL E03 | CA187 | Sensor power source 2 too low | Excessively low voltage detected | ● | ENG | Electric system |
| E01 | CA221 | Atmospheric pressure sensor too high | Excessively high voltage detected | | ENG | Electric system |
| E01 | CA222 | Atmospheric pressure sensor too low | Excessively low voltage detected | | ENG | Electric system |
| CALL E03 | CA227 | Sensor power source 2 too high | Excessively high voltage detected | ● | ENG | Electric system |
| — | CA234 | Engine overspeed | Too high speed | ● | ENG | Mechanical system |
| CALL E03 | CA238 | Abnormal power source for Ne speed sensor | Excessively low voltage detected | ● | ENG | Electric system |
| CALL E03 | CA271 | IMV/PCV1 short circuit | Short circuit | ● | ENG | Electric system |
| CALL E03 | CA272 | IMV/PCV1 disconnection | Disconnection | ● | ENG | Electric system |
| CALL E03 | CA281 | Abnormal supply pump pressure balance | Abnormal fuel sending | ● | ENG | Electric system |
| CALL E03 | CA322 | Disconnection and short circuit in injector #1 | Disconnection and short circuit | ● | ENG | Electric system |
| CALL E03 | CA323 | Disconnection and short circuit in injector #5 | Disconnection and short circuit | ● | ENG | Electric system |
| CALL E03 | CA324 | Disconnection and short circuit in injector #3 | Disconnection and short circuit | ● | ENG | Electric system |
| CALL E03 | CA325 | Disconnection and short circuit in injector #6 | Disconnection and short circuit | ● | ENG | Electric system |
| CALL E03 | CA331 | Disconnection and short circuit in injector #2 | Disconnection and short circuit | ● | ENG | Electric system |
| CALL E03 | CA332 | Disconnection and short circuit in injector #4 | Disconnection and short circuit | ● | ENG | Electric system |
| CALL E04 | CA342 | Abnormal engine controller data matching consistency | Matching in consistency | ● | ENG | Electric system |
| CALL E03 | CA352 | Sensor power source 1 too low | Excessively low voltage detected | ● | ENG | Electric system |
| CALL E03 | CA386 | Sensor power source 1 too high | Excessively high voltage detected | ● | ENG | Electric system |
| E01 | CA428 | Water detection sensor too high | Excessively high voltage detected | | ENG | Electric system |
| E01 | CA429 | Water detection sensor too low | Excessively low voltage detected | | ENG | Electric system |
| E01 | CA435 | Abnormal engine oil pressure switch | Abnormal signal circuit | | ENG | Electric system |
| CALL E04 | CA441 | Power supply voltage too low | Excessively low voltage detected | ● | ENG | Electric system |
| CALL E04 | CA442 | Power supply voltage too high | Excessively high voltage detected | ● | ENG | Electric system |
| CALL E03 | CA449 | Common rail pressure too high (2) | Excessively high pressure detected | ● | ENG | Electric system |

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| CALL E03 | CA451 | Common rail pressure sensor too high | Excessively high voltage detected | ● | ENG | Electric system |
| CALL E03 | CA452 | Common rail pressure sensor too low | Excessively low voltage detected | ● | ENG | Electric system |
| CALL E03 | CA488 | Charge temperature too high torque derated | Exceeded upper control limit of temperature | ● | ENG | Electric system |
| CALL E03 | CA553 | Common rail pressure too high (1) | Excessively high pressure detected | ● | ENG | Electric system |
| E02 | CA559 | Supply pump no pressure (1) | No pressure feeding detected | ● | ENG | Electric system |
| CALL E03 | CA689 | Abnormal engine NE speed sensor | Abnormality in signal | ● | ENG | Electric system |
| CALL E03 | CA731 | Abnormal engine Bkup speed sensor phase | Abnormal phase | ● | ENG | Electric system |
| CALL E04 | CA757 | Loss of all data of engine controller | Loss of all data | ● | ENG | Electric system |
| CALL E03 | CA778 | Abnormal engine Bkup speed sensor | Abnormal Bkup signal | ● | ENG | Electric system |
| CALL E03 | CA1633 | Abnormal KOMNET | Abnormal communication | ● | ENG | Electric system |
| CALL E03 | CA2185 | Decelerator pedal sensor power source too high | Excessively high voltage detected | ● | ENG | Electric system |
| CALL E03 | CA2186 | Decelerator pedal sensor power source too low | Excessively low voltage detected | ● | ENG | Electric system |
| CALL E03 | CA2249 | Supply pump no pressure (2) | No pressure feeding detected | ● | ENG | Electric system |
| CALL E03 | CA2265 | Disconnection in electric lift pump | Disconnection | ● | ENG | Electric system |
| CALL E03 | CA2266 | Short circuit in electric lift pump | Short circuit | ● | ENG | Electric system |
| CALL E03 | CA2311 | Abnormal IMV solenoid | Abnormal resistance | ● | ENG | Electric system |
| E01 | CA2555 | Disconnection in air intake heater relay | Disconnection | | ENG | Electric system |
| E01 | CA2556 | Short circuit in air intake heater relay | Short circuit | | ENG | Electric system |
| — | D110KA | Battery relay | Short circuit | | S/T | Electric system |
| — | D110KB | Battery relay | Disconnection | | S/T | Electric system |
| E02 | D130KA | Neutral safety relay | Disconnection | ● | S/T | Electric system |
| E02 | D130KB | Neutral safety relay | Short circuit | ● | S/T | Electric system |
| E01 | D161KA | Backup alarm relay | Disconnection | | S/T | Electric system |
| E01 | D161KB | Backup alarm relay | Short circuit | | S/T | Electric system |
| CALL E03 | DAFRKR | Monitor panel CAN communication | Defective communication | ● | MON | Electric system |
| E01 | DAQ0KT (DB30KT) | Steering and transmission controller | Abnormality in controller | | S/T | Electric system |
| CALL E04 | DAQ1KK (DB31KK) | Main power source of steering and transmission controller | Power supply voltage drop, input | ● | S/T | Electric system |
| CALL E04 | DAQ2KK (DB32KK) | Steering and transmission controller load power source | Power supply voltage drop, input | ● | S/T | Electric system |
| CALL E03 | DAQ5KK (DB35KK) | 5V power source of steering and transmission controller sensor | Power supply voltage drop, input | ● | S/T | Electric system |

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| CALL E03 | DAQ6KK (DB36KK) | 24V power source of steering and transmission controller sensor | Power supply voltage drop, input | ● | S/T | Electric system |
| CALL E04 | DAQ9KQ (DB39KQ) | Steering and transmission controller model selection | Model select signal inconsistency | ● | S/T | Electric system |
| CALL E03 | DB2RKR | Steering and transmission controller CAN communication | Defective communication (Abnormality in target component system) | ● | S/T | Electric system |
| E01 | DB30KT (DAQ0KT) | Steering and transmission controller | Abnormality in controller | | S/T | Electric system |
| CALL E04 | DB31KK (DAQ1KK) | Main power source of steering and transmission controller | Power supply voltage drop, input | ● | S/T | Electric system |
| CALL E04 | DB32KK (DAQ2KK) | Steering and transmission controller load power source | Power supply voltage drop, input | ● | S/T | Electric system |
| CALL E03 | DB35KK (DAQ5KK) | 5V power source of steering and transmission controller sensor | Power supply voltage drop, input | ● | S/T | Electric system |
| CALL E03 | DB36KK (DAQ6KK) | 24V power source of steering and transmission controller sensor | Power supply voltage drop, input | ● | S/T | Electric system |
| CALL E04 | DB39KQ (DAQ9KQ) | Steering and transmission controller model selection harness | Model select signal inconsistency | ● | S/T | Electric system |
| E02 | DD12KA | Shift up switch | Disconnection | ● | S/T | Electric system |
| E02 | DD12KB | Shift up switch | Short circuit | ● | S/T | Electric system |
| E02 | DD13KA | Shift down switch | Disconnection | ● | S/T | Electric system |
| E02 | DD13KB | Shift down switch | Short circuit | ● | S/T | Electric system |
| CALL E03 | DD14KA (DDQ2KA) | Parking lever switch | Disconnection | ● | S/T | Electric system |
| CALL E03 | DD14KB (DDQ2KB) | Parking lever switch | Short circuit | ● | S/T | Electric system |
| E02 | DDN7KA | Pitch control switch | Disconnection | ● | S/T | Electric system |
| E02 | DDN7KB | Pitch control switch | Short circuit | ● | S/T | Electric system |
| CALL E03 | DDQ2KA (DD14KA) | Parking lever switch | Disconnection | ● | S/T | Electric system |
| CALL E03 | DDQ2KB (DD14KB) | Parking lever switch | Short circuit | ● | S/T | Electric system |
| — | DGS1KX | Hydraulic oil temperature sensor | Input signal out of range | | S/T | Electric system |
| E01 | DGT1KA | Power train oil temperature sensor | Disconnection | | S/T | Electric system |
| E01 | DGT1KX | Power train oil temperature sensor | Input signal out of range | | S/T | Electric system |
| CALL E03 | DK10KA | Fuel control dial | Disconnection | ● | S/T | Electric system |
| CALL E03 | DK10KB | Fuel control dial | Short circuit | ● | S/T | Electric system |
| CALL E03 | DK30KA | Steering potentiometer (1) | Disconnection | ● | S/T | Electric system |
| CALL E03 | DK30KB | Steering potentiometer (1) | Short circuit | ● | S/T | Electric system |
| CALL E04 | DK30KX | Steering potentiometer | Input signal out of range | ● | S/T | Electric system |
| CALL E04 | DK30KZ | Steering potentiometer | Disconnection or short circuit | ● | S/T | Electric system |
| CALL E03 | DK30L8 | Steering potentiometer | Inconsistent analog signals | ● | S/T | Electric system |
| CALL E03 | DK31KA | Steering potentiometer (2) | Disconnection | ● | S/T | Electric system |

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| CALL E03 | DK31KB | Steering potentiometer (2) | Short circuit | ● | S/T | Electric system |
| E01 | DK40KA | Brake potentiometer | Disconnection | | S/T | Electric system |
| E01 | DK40KB | Brake potentiometer | Short circuit | | S/T | Electric system |
| CALL E04 | DK55KX | Forward-reverse potentiometer | Input signal out of range | ● | S/T | Electric system |
| CALL E04 | DK55KZ | Forward-reverse potentiometer | Disconnection or short circuit | ● | S/T | Electric system |
| CALL E03 | DK55L8 | Forward-reverse potentiometer | Inconsistent analog signals | ● | S/T | Electric system |
| CALL E03 | DK56KA | Forward-reverse potentiometer (1) | Short circuit | ● | S/T | Electric system |
| CALL E03 | DK56KB | Forward-reverse potentiometer (1) | Disconnection | ● | S/T | Electric system |
| CALL E03 | DK57KA | Forward-reverse potentiometer (2) | Disconnection | ● | S/T | Electric system |
| CALL E03 | DK57KB | Forward-reverse potentiometer (2) | Short circuit | ● | S/T | Electric system |
| CALL E03 | DKH1KA (DKH1KX) | Pitch angle sensor | Short circuit | ● | S/T | Electric system |
| CALL E03 | DKH1KB (DKH1KX) | Pitch angle sensor | Disconnection | ● | S/T | Electric system |
| CALL E03 | DKH1KX (DKH1KA) (DKH1KB) | Pitch angle sensor | Input signal out of range | ● | S/T | Electric system |
| E01 | DLT3KA | Transmission output speed sensor | Disconnection | | S/T | Electric system |
| E01 | DLT3KB | Transmission output speed sensor | Short circuit | | S/T | Electric system |
| — | DV00KB | Alarm buzzer | Short circuit | | MON | Electric system |
| E02 | DW5AKA | Pitch control solenoid | Disconnection | ● | S/T | Electric system |
| E02 | DW5AKB | Pitch control solenoid | Short circuit | ● | S/T | Electric system |
| E02 | DW5AKY | Pitch control solenoid | Short circuit to power source line | ● | S/T | Electric system |
| E01 | DW7BKA | Fan reverse solenoid | Disconnection | | S/T | Electric system |
| E01 | DW7BKB | Fan reverse solenoid | Short circuit | | S/T | Electric system |
| CALL E03 | DWN1KA | HSS EPC solenoid right | Disconnection | ● | S/T | Electric system |
| CALL E03 | DWN1KB | HSS EPC solenoid right | Short circuit | ● | S/T | Electric system |
| CALL E04 | DWN1KY | HSS EPC solenoid right | Short circuit to power source line | ● | S/T | Electric system |
| CALL E03 | DWN2KA | HSS EPC solenoid left | Disconnection | ● | S/T | Electric system |
| CALL E03 | DWN2KB | HSS EPC solenoid left | Short circuit | ● | S/T | Electric system |
| CALL E04 | DWN2KY | HSS EPC solenoid left | Short circuit to power source line | ● | S/T | Electric system |
| E01 | DWN5KA | Fan pump TVC solenoid | Disconnection | | S/T | Electric system |
| E01 | DWN5KB | Fan pump TVC solenoid | Short circuit | | S/T | Electric system |
| E02 | DWN5KY | Fan pump TVC solenoid | Short circuit to power source line | ● | S/T | Electric system |
| E01 | DXA0KA | HSS pump TVC solenoid | Disconnection | | S/T | Electric system |
| E01 | DXA0KB | HSS pump TVC solenoid | Short circuit | | S/T | Electric system |
| E01 | DXA0KY | HSS pump TVC solenoid | Short circuit to power source line | | S/T | Electric system |

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| CALL E03 | DXH4KA | 1st clutch ECMV solenoid | Disconnection | ● | S/T | Electric system |
| CALL E03 | DXH4KB | 1st clutch ECMV solenoid | Short circuit | ● | S/T | Electric system |
| CALL E03 | DXH4KY | 1st clutch ECMV solenoid | Short circuit to power source line | ● | S/T | Electric system |
| CALL E03 | DXH5KA | 2nd clutch ECMV solenoid | Disconnection | ● | S/T | Electric system |
| CALL E03 | DXH5KB | 2nd clutch ECMV solenoid | Short circuit | ● | S/T | Electric system |
| CALL E03 | DXH5KY | 2nd clutch ECMV solenoid | Short circuit to power source line | ● | S/T | Electric system |
| CALL E03 | DXH6KA | 3rd clutch ECMV solenoid | Disconnection | ● | S/T | Electric system |
| CALL E03 | DXH6KB | 3rd clutch ECMV solenoid | Short circuit | ● | S/T | Electric system |
| CALL E03 | DXH6KY | 3rd clutch ECMV solenoid | Short circuit to power source line | ● | S/T | Electric system |
| CALL E03 | DXH7KA | Reverse clutch ECMV solenoid | Disconnection | ● | S/T | Electric system |
| CALL E03 | DXH7KB | Reverse clutch ECMV solenoid | Short circuit | ● | S/T | Electric system |
| CALL E03 | DXH7KY | Reverse clutch ECMV solenoid | Short circuit to power source line | ● | S/T | Electric system |
| CALL E03 | DXH8KA | Forward clutch ECMV solenoid | Disconnection | ● | S/T | Electric system |
| CALL E03 | DXH8KB | Forward clutch ECMV solenoid | Short circuit | ● | S/T | Electric system |
| CALL E03 | DXH8KY | Forward clutch ECMV solenoid | Short circuit to power source line | ● | S/T | Electric system |

- ★ Description order in the table
It is listed in order of failure code (ascending sequence).
- ★ Action code
When action code is available:
If the failure code is detected, the action code and phone number (when only CALL E03 and E04 are registered) are displayed in the bottom display section of the monitor panel (multi-information section) to notify an operator that the trouble has occurred.
When action code is not available:
Even if an failure code is detected, occurrence of the trouble is not notified to an operator. If there is a mechanical system trouble, the corresponding warning lamp flashes.
- ★ Controller
S/T: The steering and transmission controller is taking charge of the trouble detection.
ENG: The engine controller is taking charge of the trouble detection.
MON: The monitor panel is taking charge of the trouble detection.