

# TROUBLESHOOTING WHEN ERROR CODE IS DISPLAYED (ERROR CODE)

Information described in troubleshooting list ..... 20-406  
 Trouble code table ..... 20-407

Error code	Failed section	Trouble	Action code	Trouble-shooting page
1500L0	Transmission clutch	See the list. (L0)	CALL E03	20-408
15SAL1	Forward clutch	See the list. (L1)	CALL E03	20-409
15SALH	Forward clutch	See the list. (LH)	CALL E03	20-410
15SBL1	Reverse clutch	See the list. (L1)	CALL E03	20-411
15SBLH	Reverse clutch	See the list. (LH)	CALL E03	20-412
15SEL1	1st clutch	See the list. (L1)	CALL E03	20-413
15SELH	1st clutch	See the list. (LH)	CALL E03	20-414
15SFL1	2nd clutch	See the list. (L1)	CALL E03	20-415
15SFLH	2nd clutch	See the list. (LH)	CALL E03	20-416
15SGL1	3rd clutch	See the list. (L1)	CALL E03	20-417
15SGLH	3rd clutch	See the list. (LH)	CALL E03	20-418
A000N1	Engine	Overrun (N1)	—	20-419
AB00MA	Alternator	Malfunction (MA)	—	20-420
AD00L2	Common rail	See the list. (L2)	CALL E03	20-420
AD00MA	Common rail	Defective function (MA)	CALL E03	20-421
AD10L3	Fuel supply pump	See the list. (L3)	CALL E03	20-421
AD10MA	Fuel supply pump	Defective function (MA)	CALL E03	20-423
AD10MB	Fuel supply pump	Function reduction (MB)	CALL E03	20-423
AD11KA	Fuel supply pump solenoid 1	Disconnection (KA)	CALL E03	20-424
AD11KB	Fuel supply pump solenoid 1	Short circuit (KB)	CALL E03	20-425
AD51KA	Fuel supply pump solenoid 2	Disconnection (KA)	CALL E03	20-426
AD51KB	Fuel supply pump solenoid 2	Short circuit (KB)	CALL E03	20-427
ADA1KA	No.1 injector solenoid	Disconnection (KA)	E02	20-428
ADAZKB	No.1, 2, and 3 injector solenoids	Short circuit (KB)	CALL E03	20-429

Error code to display at the same time

Error code	Failed section	Trouble	Action code	Trouble-shooting page
ADB1KA	No.2 injector solenoid	Disconnection (KA)	E02	20-431
ADC1KA	No.3 injector solenoid	Disconnection (KA)	E02	20-432
ADD1KA	No.4 injector solenoid	Disconnection (KA)	E02	20-433
ADDZKB	No.4, 5, and 6 injector solenoids	Short circuit (KB)	CALL E03	20-434
ADE1KA	No.5 fuel injector solenoid	Disconnection (KA)	E02	20-436
ADF1KA	No.6 fuel injector solenoid	Disconnection (KA)	E02	20-437
B@BAZG	Engine oil	Oil pressure reduction (ZG)	—	20-438
B@BCNS	Radiator coolant	Overheat (NS)	—	20-438
B@CENS	Power train oil	Overheat (NS)	—	20-439
B@HANS	Hydraulic oil	Overheat (NS)	—	20-439
D110KA	Battery relay	Short circuit (KA)	—	20-440
D110KB	Battery relay	Disconnection (KB)	—	20-441
D130KA	Neutral safety relay	Short circuit (KA)	E02	20-442
D130KB	Neutral safety relay	Disconnection (KB)	E02	20-444
D161KA	Back-up alarm relay	Short circuit (KA)	E01	20-446
D161KB	Back-up alarm relay	Disconnection (KB)	E01	20-448
D182KZ	Preheater relay coil	Disconnection or short circuit (KZ)	E01	20-450
D1D0KB	Engine controller load power supply relay	Short circuit (KB)	E02	20-452
D5ZFKA	Transmission neutral signal	Disconnection (KA)	E01	20-454
D5ZFKB	Transmission neutral signal	Short circuit (KB)	E01	20-455
DAFRKR	Monitor panel CAN communication	Defective communication (KR)	CALL E03	20-456
DAQ0KK DB30KK	Steering and transmission controller	Source voltage reduction/input (KK)	CALL E04	20-458
DAQ0KT	Steering and transmission controller	Abnormality in controller (KT)	E02	20-459
DAQ5KK DB35KK	Steering and transmission controller sensor 5 V power supply	Source voltage reduction/input (KK)	CALL E03	20-460
DAQ6KK DB36KK	Steering and transmission controller sensor 24 V power supply	Source voltage reduction/input (KK)	CALL E03	20-462
DAQ9KQ DB39KQ	Steering and transmission controller type collation	Type select signal inconsistency (KQ)	CALL E04	20-463
DB3RKR	Steering and transmission controller CAN communication	Defective communication (KR)	CALL E03	20-464
DB20KQ	Engine controller type collation	Type select signal inconsistency (KQ)	CALL E03	20-466
DB20KT	Engine controller	Abnormality in controller (KT)	CALL E03	20-467

Error code to display at the same time

Error code	Failed section	Trouble	Action code	Trouble-shooting page
DB22KK	Engine controller load power supply	Source voltage reduction/input (KK)	CALL E04	20-468
DB29KQ	Engine controller type select	Type select signal inconsistency (KQ)	CALL E03	20-470
DB2AMA	Fuel injection amount adjustment switch signal	Malfunction (MA)	E02	20-471
DB2RKR	Steering and transmission controller CAN communication	Defective communication (KR)	CALL E04	20-472
DB2RMC	Engine controller CAN communication	Defective communication (MC)	CALL E03	20-474
DB30KK DAQ0KK	Steering and transmission controller	Source voltage reduction/input (KK)	CALL E04	20-476
DB35KK DAQ5KK	Steering and transmission controller sensor 5 V power supply	Source voltage reduction/input (KK)	CALL E03	20-476
DB36KK DAQ6KK	Steering and transmission controller sensor 24 V power supply	Source voltage reduction/input (KK)	CALL E03	20-476
DB39KQ DAQ9KQ	Steering and transmission controller type collation	Type select signal inconsistency (KQ)	CALL E04	20-476
DD11KB	Starting switch	Short circuit (KB)	CALL E04	20-477
DD12KA	Shift up switch	Disconnection (KA)	E02	20-478
DD12KB	Shift up switch	Short circuit (KB)	E02	20-480
DD13KA	Shift down switch	Disconnection (KA)	E02	20-482
DD13KB	Shift down switch	Short circuit (KB)	E02	20-484
DD14KA DDQ2KA	Parking lever switch	Disconnection (KA)	CALL E03	20-486
DD14KB DDQ2KB	Parking lever switch	Short circuit (KB)	CALL E03	20-488
DDE2L6	Engine oil pressure switch	Refer to table (L6)	E01	20-490
DDN7KA	Pitch control switch	Disconnection (KA)	E02	20-492
DDN7KB	Pitch control switch	Short circuit (KB)	E02	20-494
DDQ2KA DD14KA	Parking lever switch	Disconnection (KA)	CALL E03	20-496
DDQ2KB DD14KB	Parking lever switch	Short circuit (KB)	CALL E03	20-496
DGE2KX	Engine water temperature sensor (for high temperature)	Input signal is out of normal range (KX)	E01	20-497
DGE3L6	Engine water temperature sensor (for low temperature)	See table (L6)	E02	20-498
DGE4KX	Fuel temperature sensor	Input signal is out of normal range (KX)	E01	20-499
DGS1KX	Hydraulic oil temperature sensor	Input signal is out of normal range (KX)	—	20-500
DH30KX	Boost pressure sensor	Input is out of normal range (KX)	E02	20-502
DH40KX	Common rail pressure sensor	Input is out of normal range (KX)	CALL E03	20-504
DK10KX	Fuel control dial	Input is out of normal range (KX)	CALL E03	20-506
DK12KX	Deceleration potentiometer	Input is out of normal range (KX)	CALL E03	20-508

Error code	Failed section	Trouble	Action code	Trouble-shooting page
DK30KA	Steering potentiometer 1	Disconnection (KA)	CALL E03	20-510
DK30KB	Steering potentiometer 1	Short circuit (KB)	CALL E03	20-511
DK30KX	Steering potentiometer	Input signal is out of normal range (KX)	CALL E04	20-512
DK30KZ	Steering potentiometer	Disconnection or short circuit (Double trouble) (KZ)	CALL E04	20-512
DK30L8	Steering potentiometer 1	See table (L8)	CALL E03	20-513
DK31KA	Steering potentiometer 2	Short circuit (KA)	CALL E03	20-514
DK31KB	Steering potentiometer 2	Disconnection (KB)	CALL E03	20-515
DK40KA	Brake potentiometer	Disconnection (KA)	CALL E03	20-516
DK40KB	Brake potentiometer	Short circuit (KB)	CALL E03	20-517
DK55KX	Forward-reverse potentiometer	Input signal is out of normal range (KX)	CALL E04	20-518
DK55KZ	Forward-reverse potentiometer	Disconnection or short circuit (Double trouble) (KZ)	CALL E04	20-518
DK55L8	Forward-reverse potentiometer	See table (L8)	CALL E03	20-519
DK56KA	Forward-reverse potentiometer 1	Short circuit (KA)	CALL E03	20-520
DK56KB	Forward-reverse potentiometer 1	Disconnection (KB)	CALL E03	20-522
DK57KA	Forward-reverse potentiometer 2	Short circuit (KA)	CALL E03	20-524
DK57KB	Forward-reverse potentiometer 2	Disconnection (KB)	CALL E03	20-526
DKH1KA	Pitch angle sensor	Short circuit (KA)	CALL E03	20-528
DKH1KB	Pitch angle sensor	Disconnection (KB)	CALL E03	20-529
DLE3LC	Engine Ne speed sensor	See table (LC)	CALL E03	20-530
DLF1KA	Transmission output speed sensor	Disconnection (KA)	E01	20-531
DLH1LC	Engine G speed sensor	See table (LC)	CALL E03	20-532
DV00KB	Caution buzzer	Short circuit (KB)	—	20-533
DW5AKA	Pitch control solenoid	Disconnection (KA)	E02	20-534
DW5AKB	Pitch control solenoid	Short circuit (KB)	E02	20-535
DW7BKA	Fan reverse solenoid	Disconnection (KA)	E01	20-536
DW7BKB	Fan reverse solenoid	Short circuit (KB)	E01	20-537
DWN1KA	HSS EPC solenoid right	Disconnection (KA)	CALL E03	20-538
DWN1KB	HSS EPC solenoid right	Short circuit (KB)	CALL E03	20-539
DWN2KA	HSS EPC solenoid left	Disconnection (KA)	CALL E03	20-540

Error code	Failed section	Trouble	Action code	Trouble-shooting page
DWN2KB	HSS EPC solenoid left	Short circuit (KB)	CALL E03	20-541
DWN5KA	Fan pump TVC solenoid	Disconnection (KA)	E01	20-542
DWN5KB	Fan pump TVC solenoid	Short circuit (KB)	E01	20-543
DXH4KA	1st clutch ECMV	Disconnection (KA)	CALL E03	20-544
DXH4KB	1st clutch ECMV	Short circuit (KB)	CALL E03	20-545
DXH5KA	2nd clutch ECMV	Disconnection (KA)	CALL E03	20-546
DXH5KB	2nd clutch ECMV	Short circuit (KB)	CALL E03	20-547
DXH6KA	3rd clutch ECMV	Disconnection (KA)	CALL E03	20-548
DXH6KB	3rd clutch ECMV	Short circuit (KB)	CALL E03	20-549
DXH7KA	Reverse clutch ECMV	Disconnection (KA)	CALL E03	20-550
DXH7KB	Reverse clutch ECMV	Short circuit (KB)	CALL E03	20-551
DXH8KA	Forward clutch ECMV	Disconnection (KA)	CALL E03	20-552
DXH8KB	Forward clutch ECMV	Short circuit (KB)	CALL E03	20-553