

Failure codes table

Action code	Failure code	Trouble (Displayed on screen)	Device in charge	Category of record
—	A000N1	Eng. Hi Out of Std	MON	Mechanical system
—	AA10NX	Air cleaner Clogging	MON	Mechanical system
—	AB00KE	Charge Voltage Low	MON	Mechanical system
—	B@BAZG	Eng. Oil Press. Low Speed Derate	MON	Mechanical system
—	B@BAZG	Eng. Oil Press. Low Torque Derate	MON	Mechanical system
—	B@BAZK	Eng Oil Level Low	MON	Mechanical system
—	B@BCNS	Eng. Overheat	MON	Mechanical system
—	B@BCZK	Eng. Water Lvl Low	MON	Mechanical system
E02	B@HANS	Hydr. Oil Overheat	MON	Mechanical system
E10	CA111	EMC Critical Internal Failure	ENG	Electrical system
E11	CA115	Eng Ne and Bkup Speed Sens Error	ENG	Electrical system
E11	CA122	Chg Air Press Sensor High Error	ENG	Electrical system
E11	CA123	Chg Air Press Sensor Low Error	ENG	Electrical system
E14	CA131	Throttle Sensor High Error	ENG	Electrical system
E14	CA132	Throttle Sensor Low Error	ENG	Electrical system
E15	CA144	Coolant Temp Sens High Error	ENG	Electrical system
E15	CA145	Coolant Temp Sens Low Error	ENG	Electrical system
E15	CA153	Chg Air Temp Sensor High Error	ENG	Electrical system
E15	CA154	Chg Air Temp Sensor Low Error	ENG	Electrical system
E15	CA187	Sens Supply 2 Volt Low Error	ENG	Electrical system
E15	CA221	Ambient Press Sens High Error	ENG	Electrical system

Action code	Failure code	Trouble (Displayed on screen)	Device in charge	Category of record
E15	CA222	Ambient Press Sens Low Error	ENG	Electrical system
E15	CA227	Sens Supply 2 Volt High Error	ENG	Electrical system
—	CA234	Eng Overspeed	ENG	Mechanical system
E15	CA238	Ne Speed Sens Supply Volt Error	ENG	Electrical system
E11	CA271	IMV/PCV1 Short Error	ENG	Electrical system
E11	CA272	IMV/PCV1 Open Error	ENG	Electrical system
E11	CA322	Inj #1 (L#1) Open/Short Error	ENG	Electrical system
E11	CA323	Inj #5 (L#5) Open/Short Error	ENG	Electrical system
E11	CA324	Inj #3 (L#3) Open/Short Error	ENG	Electrical system
E11	CA325	Inj #6 (L#6) Open/Short Error	ENG	Electrical system
E11	CA331	Inj #2 (L#2) Open/Short Error	ENG	Electrical system
E11	CA332	Inj #4 (L#4) Open/Short Error	ENG	Electrical system
E10	CA342	Calibration Code Incompatibility	ENG	Electrical system
E10	CA351	Injectors Drive Circuit Error	ENG	Electrical system
E15	CA352	Sens Supply 1 Volt Low Error	ENG	Electrical system
E15	CA386	Sens Supply 1 Volt High Error	ENG	Electrical system
E15	CA428	Water in Fuel Sensor High Error	ENG	Electrical system
E15	CA429	Water in Fuel Sensor Low Error	ENG	Electrical system
E10	CA441	Engine Controller Battery Voltage Low Error	ENG	Electrical system
E10	CA442	Engine Controller Battery Voltage High Error	ENG	Electrical system
E11	CA449	Rail Press Very High Error	ENG	Electrical system
E11	CA451	Rail Press Sensor High Error	ENG	Electrical system
E11	CA452	Rail Press Sensor Low Error	ENG	Electrical system
E15	CA553	Rail Press High Error	ENG	Electrical system
E15	CA559	Rail Press Low Error	ENG	Electrical system

Action code	Failure code	Trouble (Displayed on screen)	Device in charge	Category of record
E11	CA689	Ne Speed Sensor Error	ENG	Electrical system
E11	CA731	Bkup Speed Sens Phase Error	ENG	Electrical system
E10	CA757	All Persistent Data Lost Error	ENG	Electrical system
E11	CA778	Bkup Speed Sensor Error	ENG	Electrical system
E0E	CA1633	KOMNET Datalink Timeout Error	ENG	Electrical system
E14	CA2185	Throt Sens Sup Volt High Error	ENG	Electrical system
E14	CA2186	Throt Sens Sup Volt Low Error	ENG	Electrical system
E11	CA2249	Rail Press Very Low Error	ENG	Electrical system
E15	CA2265	Electric Lift Pump High Error	ENG	Electrical system
E15	CA2266	Electric Lift Pump Low Error	ENG	Electrical system
E15	CA2555	Grid Htr Relay Volt Low Error	ENG	Electrical system
E15	CA2556	Grid Htr Relay Volt High Error	ENG	Electrical system
—	D110KB	Battery Relay Output	PUMP	Electrical system
—	D196KA	Service Return Relay Disc.	PUMP	Electrical system
—	D196KB	Service Return Relay S/C	PUMP	Electrical system
E02	DA25KP	Press. Sensor Power Volt Low	PUMP	Electrical system
E0E	DA2RMC	Comm. Error (Pump Controller)	PUMP	Electrical system
—	DA2SKQ	Model Selection Signal For Model Code Input Mismatch	PUMP	Electrical system
E0E	DAFRMC	Comm. Error (Machine Monitor)	PUMP	Electrical system
—	DHPAMA	F Pump P.Sensor Error	PUMP	Electrical system
—	DHPBMA	R Pump P.Sensor Error	PUMP	Electrical system
—	DHS3MA	Arm Curl PPC Sen. Error	PUMP	Electrical system
—	DHS4MA	Bucket Curl PPC Sen. Error	PUMP	Electrical system
—	DW43KA	Travel Speed Sol. Disc.	PUMP	Electrical system
—	DW43KB	Travel Speed Sol. S/C	PUMP	Electrical system

Action code	Failure code	Trouble (Displayed on screen)	Device in charge	Category of record
E03	DW45KA	Swing Brake Sol. Disc.	PUMP	Electrical system
E03	DW45KB	Swing Brake Sol. S/C	PUMP	Electrical system
—	DW91KA	Travel Junction Sol. Disc.	PUMP	Electrical system
—	DW91KB	Travel Junction Sol. S/C	PUMP	Electrical system
—	DWJ0KA	Merge-divider Sol. Disc.	PUMP	Electrical system
—	DWJ0KB	Merge-divider Sol. S/C	PUMP	Electrical system
—	DWK0KA	2-stage Relief Sol. Disc.	PUMP	Electrical system
—	DWK0KB	2-stage Relief Sol. S/C	PUMP	Electrical system
E02	DXA0KA	PC-EPC Sol. Disc.	PUMP	Electrical system
E02	DXA0KB	PC-EPC Sol. S/C	PUMP	Electrical system
—	DXE0KA	LS-EPC Sol. Disc.	PUMP	Electrical system
—	DXE0KB	LS-EPC Sol. S/C	PUMP	Electrical system
—	DXE4KA	Service Current EPC Solenoid Disc.	PUMP	Electrical system
—	DXE4KB	Service Current EPC Solenoid S/C	PUMP	Electrical system
—	DY20KA	Wiper Working Disc.	MON	Electrical system
—	DY20MA	Wiper Parking Error	MON	Electrical system
—	DY2CKB	Washer Drive S/C	MON	Electrical system
—	DY2DKB	Wiper Drive (For) S/C	MON	Electrical system
—	DY2EKB	Wiper Drive (Rev) S/C	MON	Electrical system

- ★ This table lists the failed sections in the order of the failure code.
- ★ Those failure codes to which the corresponding number is not indicated in the action code space are not displayed on the ordinary screen if a failure is found. They are just recorded in the abnormality record (electrical system and mechanical system) of the service menu.
- ★ The category of record is used for indicating to which of the electrical and mechanical system of the service menu's abnormality record a given failure is classified.
- ★ E of at beginning the action code indicates the following state.
 - With E: The failure still remains without being resolved.
 - Without E: The failure is already resolved.