

DDEC III/IV System Flash Codes

TO READ CODES: Use the diagnostic data reader or depress and hold the diagnostic request switch with the ignition on, engine at idle or not running. Then, and hold the switch. Seven codes will be flashed on the stop engine light, followed by the inactive codes being flashed on the check engine light. This cycle will repeat until the operator releases the diagnostic request switch.

Flash Codes	DDEC System Description
01	VSS sensor input voltage low
02	VSS sensor input voltage high
03	Coolant level sensor input voltage low
04	Oil, coolant, or intercooler temp. sensor input voltage high
05	Oil, coolant, or intercooler temp. sensor input voltage low
06	Coolant level sensor input voltage high
07	Bypass or throttle, valve position sensor input voltage high
08	Bypass or throttle, valve position sensor input voltage low
09	TPS input voltage high
10	TPS input voltage low
11	Fuel temp. sensor input voltage high
12	Fuel temp. sensor input voltage low
13	No active codes
14	Aux. engine shutdown #1, or #2, input active
15	Air inlet or intake air temp. sensor input voltage high
16	Air inlet or intake air temp. sensor input voltage low
17	Aux. high side output open-circuit or short to ground
18	OIL, or SLS, short to battery (+) or open circuit
19	Turbo boost sensor input voltage high
20	Turbo boost sensor input voltage low
21	Oil pressure sensor input voltage high
22	Oil pressure sensor input voltage low
23	Fuel pressure sensor input voltage high
24	Fuel pressure sensor input voltage low
25	No many SPS (missing SPS)
26	No low SPS (missing SPS)
27	Coolant level low
28	Oil, coolant, intercooler or intake air temp. high
29	Oil pressure low
30	ECM battery voltage low
31	Fuel, air inlet, or turbo boost, pressure high
32	Fuel or air inlet pressure low
33	ECM A/D conversion fault
34	ECM non-volatile memory fault
35	Vehicle speed sensor fault
36	J1939 data link fault
37	J1937 data link fault
38	J1939 data link fault
39	Torque overload
40	Injector response time long
41	Aux. output short to battery (+) or open circuit, or mach. fault
42	ECM drive short to battery (+) or open circuit
43	Turbo speed sensor input fault
44	Throttle valve position input fault
45	Engine knock sensor input fault
46	Coolant or air inlet, pressure sensor input voltage fault
47	TPS idle validation switch open-circuit or short to ground
48	Injector response time short
49	Vehicle purged
50	Gas valve position input fault or ECM fault
51	Optimized idler safety loop short to ground
52	ECM battery voltage high
53	Engine overspeed with engine brake
54	Fuel temperature high
55	Oil level, intercooler pre, dual fuel BCL, or exh. temp. vent high
56	Oil level, intercooler pre, dual fuel BCL, or exh. temp. vent low
57	Oil level, intercooler pre, exhaust temp., or external pump pre, high
58	Oil level or intercooler pressure, low
59	Engine overspeed
60	External pump or barometer, pressure sensor input voltage high
61	External pump or barometer, pressure sensor input voltage low
62	Coolant level low

SAE Faults

SAE Faults	Flash Code	DDEC System Description
P001 0	00	Throttle valve position above normal range
P001 1	01	Throttle valve position below normal range
P001 2	02	Throttle valve input voltage high
P001 3	03	Throttle valve input voltage low
P001 4	04	Throttle valve not responding
P002 0	05	Intercooler temp. high
P002 1	06	Intercooler sensor input voltage high
P002 2	07	Intercooler sensor input voltage low
P002 3	08	Optimized idle safety loop short to ground
P002 4	09	Bypass position sensor input voltage high
P002 5	10	Bypass position sensor input voltage low
P003 0	11	External pump pressure high
P003 1	12	Pump pressure sensor input voltage high
P003 2	13	Pump pressure sensor input voltage low
P004 0	14	Vehicle overspeed (latched)
P004 1	15	Vehicle overspeed (intermittent)
P004 2	16	Vehicle speed sensor failure
P005 0	17	Throttle position sensor input voltage high
P005 1	18	Throttle position sensor input voltage low
P005 2	19	Torque overload
P006 0	20	Fuel pressure high
P006 1	21	Fuel pressure low
P006 2	22	Fuel pressure sensor input voltage high
P006 3	23	Fuel pressure sensor input voltage low
P007 0	24	Oil level high
P007 1	25	Oil level low
P007 2	26	Oil level sensor input voltage high
P007 3	27	Oil level sensor input voltage low
P008 0	28	Oil pressure low
P008 1	29	Oil pressure sensor input voltage high
P008 2	30	Oil pressure sensor input voltage low
P009 0	31	Coolant pressure high
P009 1	32	Coolant pressure low
P009 2	33	Coolant pressure sensor input voltage high
P009 3	34	Coolant pressure sensor input voltage low
P010 0	35	Turbo boost pressure high
P010 1	36	Turbo boost pressure sensor input voltage high
P010 2	37	Turbo boost pressure sensor input voltage low
P010 3	38	Turbo speed sensor input failure
P011 0	39	Intake air temp. high
P011 1	40	Intake air temp. sensor input voltage high
P011 2	41	Intake air temp. sensor input voltage low
P012 0	42	Air inlet pressure high
P012 1	43	Air inlet pressure low
P012 2	44	Air inlet pressure sensor input voltage high
P012 3	45	Air inlet pressure sensor input voltage low
P013 0	46	Baro. pressure sensor input voltage high
P013 1	47	Baro. pressure sensor input voltage low
P014 0	48	Coolant pressure low
P014 1	49	Coolant pressure sensor input voltage high
P014 2	50	Coolant pressure sensor input voltage low
P015 0	51	Coolant level low
P015 1	52	Coolant level sensor input voltage high
P015 2	53	Coolant level sensor input voltage low
P016 0	54	Engine overspeed with engine brake
P016 1	55	ECM battery voltage high
P016 2	56	ECM battery voltage low
P017 0	57	Air temp. sensor input voltage high
P017 1	58	Air temp. sensor input voltage low
P017 2	59	Exhaust temperature high
P017 3	60	Exh. temp. sensor input voltage high
P017 4	61	Exh. temp. sensor input voltage low
P018 0	62	Fuel temperature high
P018 1	63	Fuel temp. sensor input voltage high
P018 2	64	Fuel temp. sensor input voltage low

SAE Faults

SAE Faults	Flash Code	DDEC System Description
P0170-0	64	Oil temp. high
P0170-1	14	Oil temp. sensor input voltage high
P0170-2	15	Oil temp. sensor input voltage low
P0180-0	12	VSS sensor input voltage high
P0180-1	11	VSS sensor input voltage low
P0187-1	11	VSS switch system not responding
P0188-0	85	Engine overspeed
P0291-10	—	Check module abnormal use
P0291-13	—	Check module fault
P0301-0	81	Injector #1 response time long
P0301-1	71	Injector #1 response time short
P0302-0	82	Injector #2 response time long
P0302-1	71	Injector #2 response time short
P0303-0	83	Injector #3 response time long
P0303-1	71	Injector #3 response time short
P0304-0	84	Injector #4 response time long
P0304-1	71	Injector #4 response time short
P0305-0	85	Injector #5 response time long
P0305-1	71	Injector #5 response time short
P0306-0	86	Injector #6 response time long
P0306-1	71	Injector #6 response time short
P0307-0	87	Injector #7 response time long
P0307-1	71	Injector #7 response time short
P0308-0	88	Injector #8 response time long
P0308-1	71	Injector #8 response time short
P0309-0	89	Injector #9 response time long
P0309-1	71	Injector #9 response time short
P0310-0	90	Injector #10 response time long
P0310-1	71	Injector #10 response time short
P0311-0	91	Injector #11 response time long
P0311-1	71	Injector #11 response time short
P0312-0	92	Injector #12 response time long
P0312-1	71	Injector #12 response time short
P0313-0	93	Injector #13 response time long
P0313-1	71	Injector #13 response time short
P0314-0	94	Injector #14 response time long
P0314-1	71	Injector #14 response time short
P0315-0	95	Injector #15 response time long
P0315-1	71	Injector #15 response time short
P0316-0	96	Injector #16 response time long
P0316-1	71	Injector #16 response time short
P0317-0	97	Injector #17 response time long
P0317-1	71	Injector #17 response time short
P0318-0	98	Injector #18 response time long
P0318-1	71	Injector #18 response time short
P0319-0	99	Injector #19 response time long
P0319-1	71	Injector #19 response time short
P0320-0	81	Chuf fuel #20 input voltage high
P0320-4	82	Chuf fuel #20 input voltage low
P0321-0	41	Too many #20 (missing 100)
P0321-1	42	Too few #20 (missing 100)
P0325-11	24	Aux. engine shutdown #1 input active
P0326-3	82	Aux. Output #1 short to battery (+)
P0326-4	82	Aux. Output #1 open circuit
P0326-7	82	Aux. Output #1 open circuit
P0326-8	82	Aux. Output #1 Mech. System not responding properly
P0326-9	82	Aux. Output #2 short to battery (+)
P0327-4	82	Aux. Output #2 open circuit
P0327-7	82	Aux. Output #2 Mech. System not responding properly
P0327-8	81	Injector #17 response time long
P0327-1	71	Injector #17 response time short
P0328-0	81	Injector #18 response time long
P0328-1	71	Injector #18 response time short
P0329-0	81	Injector #19 response time long
P0329-1	71	Injector #19 response time short
P0330-0	81	Injector #20 response time long
P0330-1	71	Injector #20 response time short
P0331-0	81	Aux. Output #3 open circuit
P0331-4	81	Aux. Output #3 short to ground
P0331-7	81	Aux. Output #4 open circuit
P0331-8	81	Aux. Output #4 short to +12V
P0331-9	82	Aux. Output #5 short to

Abs 11 Code For 2012 Freightliner Cascadia

Lingjun Ying



Abs 11 Code For 2012 Freightliner Cascadia:

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