



ST185 ECU error codes

Code	System	Diagnosis	Trouble area
11	ECU (+B)	Momentary interruption in power to ECU	Wiring loom, ECU
12	RPM signal	No NE or G signal to ECU within 2 seconds after engine has been cranked	Distributor (circuit), starter signal circuit, ECU
13	RPM signal	No NE signal to ECU when engine speed is above 1,000 rpm	Distributor (ignition coil), ECU
14	Ignition signal	No IGF signal to ECU 8-11 times in succession	Igniter and ignition coil (circuit), ECU
21	Oxygen sensor/Heater circuit	Detection of oxygen sensor deterioration/Open or short in oxygen sensor heater	Oxygen sensor (heater) (circuit), ECU
22	Water temp. sensor signal	Open or short in water temp. sensor circuit for 0.5 sec. or more (THW)	Water temp. sensor (circuit), ECU
24	Intake air temp. sensor signal	Open or short in intake air temp. sensor circuit for 0.5 sec. or more (THA)	Intake air temp. sensor (circuit), ECU
25	Air-fuel ratio lean malfunction	Oxygen sensor outputs a lean signal continuously for several seconds during air-fuel ratio correction. Open or short in oxygen sensor (OX)	Injector (circuit), Oxygen sensor circuit, ECU, fuel line pressure, airflow meter, air intake system, ignition system
26	Air-fuel ratio rich malfunction	Oxygen sensor outputs a rich signal continuously for several seconds during air-fuel ratio correction	Injector (circuit), fuel line pressure, cold start injector, airflow meter, ECU
31	Airflow meter signal	Open circuit in VC signal or short circuit between VS and E2 when idle contacts are closed	airflow meter (circuit), ECU
32	Airflow meter signal	Open circuit in E2 or short circuit between VC and VS	
34	Turbocharging pressure signal	Excessive turbocharging pressure (fuel cut)	Turbocharger, turbocharging pressure sensor (circuit), ECU
35	Turbocharging pressure sensor signal	Open or short circuit in turbocharging sensor pressure signal (PIM)	Turbocharging pressure sensor (circuit), ECU
41	Throttle position sensor signal	Open or short circuit in throttle position sensor signal (VTA)	Throttle position sensor (circuit), ECU
42	Vehicle speed sensor signal	No SPD signal for 8 seconds when engine speed is between 2,500 rpm and 5,000 rpm and coolant temperature is below 80 °C (176 °F) except when racing the engine	Vehicle speed sensor (circuit), ECU
43	Starter signal	No STA signal to ECU until engine speed reaches 800rpm with vehicle not moving	Ignition switch (circuit)
51	Switch condition signal	No IDL signal or A/C signal to ECU, with the check terminals TE1 and E1 connected	A/C switch circuit, A/C amplifier, accelerator pedal and cable, see 41
52	Knock sensor signal	Open or short circuit in knock sensor signal (KNK)	Knock sensor (circuit), ECU
53	Knock control signal in ECU	Knock control in ECU faulty	ECU
54	Intercooler ECU signal	Intercooler coolant level low or pump problem	Intercooler (pump)
71	EGR malfunction	EGR gas temp. below predetermined level for during EGR control	EGR system, EGR gas temp. sensor (circuit), EGR control VSV (circuit), ECU

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