

2015~2017		2018		
CODE	Description	DTC CODE	DTC English name / check item	Malfunction mode
8	Gear position sensor malfunctions	P0916	Gear Shift Position Circuit Low	Open circuit / short circuit
8	Gear position sensor malfunctions	P0917	Gear Shift Position Circuit High	Supply fault
11	Cam angle sensor malfunctions	P0340	Camshaft Position Sensor "A" Circuit Bank 1 or Single Sensor	Disabled
12	Cylinder angle sensor malfunction	P0335	Crankshaft Position Sensor "A" Circuit	Disabled
13	Intake pressure sensor malfunctions (open circuit / short circuit)	P0107	Manifold Absolute Pressure/Barometric Pressure Sensor Circuit Low	Ground fault
13	Intake pressure sensor malfunctions (open circuit / short circuit)	P0108	Manifold Absolute Pressure/Barometric Pressure Sensor Circuit High	Open circuit / supply fault
15	Throttle opening sensor malfunctions (open circuit / short circuit / ETV)	P0122	Throttle/Pedal Position Sensor/Switch "A" Circuit Low	Ground fault
15	Throttle opening sensor malfunctions (open circuit / short circuit / ETV)	P0123	Throttle/Pedal Position Sensor/Switch "A" Circuit High	Open circuit / supply fault
15	Throttle opening sensor malfunctions (open circuit / short circuit / ETV)	P0222	Throttle/Pedal Position Sensor/Switch "B" Circuit Low	Ground fault
15	Throttle opening sensor malfunctions (open circuit / short circuit / ETV)	P0223	Throttle/Pedal Position Sensor/Switch "B" Circuit High	Open circuit / supply fault
15	Throttle opening sensor malfunctions (open circuit / short circuit / ETV)	P2135	Throttle/Pedal Position Sensor/Switch "A" / "B" Voltage Correlation	Deviation fault
20	Intake pressure sensor or atmospheric pressure sensor malfunctions	P0069	Manifold Absolute Pressure - Barometric Pressure Correlation	Incompatibility
20	Intake pressure sensor or atmospheric pressure sensor malfunctions	P1004	Manifold Absolute Pressure - Cylinder Identification MAP Correlation	Incompatibility
21	Water temperature sensor malfunctions (open circuit / short circuit)	P0117	Engine Coolant Temperature Sensor 1 Circuit Low	Ground fault
21	Water temperature sensor malfunctions (open circuit / short circuit)	P0118	Engine Coolant Temperature Sensor 1 Circuit High	Open circuit / supply fault
22	Intake temperature sensor malfunctions (open circuit / short circuit)	P0112	Intake Air Temperature Sensor 1 Circuit Low Bank 1	Ground fault
22	Intake temperature sensor malfunctions (open circuit / short circuit)	P0113	Intake Air Temperature Sensor 1 Circuit High Bank 1	Open circuit / supply fault
23	Atmospheric pressure sensor malfunctions (open circuit / short circuit)	P2228	Barometric Pressure Sensor "A" Circuit Low	Ground fault
23	Atmospheric pressure sensor malfunctions (open circuit / short circuit)	P2229	Barometric Pressure Sensor "A" Circuit High	Open circuit / supply fault
33	Ignition coil #1 malfunctions (open circuit)	P0351	Ignition Coil "A" Primary Control Circuit/Open	Disabled
34	Ignition coil #2 malfunctions (open circuit)	P0352	Ignition Coil "B" Primary Control Circuit/Open	Disabled
35	Ignition coil #3 malfunctions (open circuit)	P0353	Ignition Coil "C" Primary Control Circuit/Open	Disabled
36	Ignition coil #4 malfunctions (open circuit)	P0354	Ignition Coil "D" Primary Control Circuit/Open	Disabled
39	Injector (primary) malfunctions (open circuit)	P0201	Cylinder 1 Injector "A" Circuit	Disabled
42	Rear wheel sensor malfunctions	P0500	Vehicle Speed Sensor "A" Circuit	No signals
43	Battery voltage monitor malfunctions (power source for fuel system)	P0657	Actuator Supply Voltage "A" circuit/Open	Abnormity
44	EEPROM malfunctions	P062F	Internal Control Module EEPROM Error	Writing error
45	ECU malfunctions (electrical power system)	P1602	Internal Control Module Shutoff Circuit	Abnormity
46	Power source for vehicle malfunctions	P0560	System Voltage	Abnormity
50	ECU internal malfunctions	P0601	Internal Control Module Memory Checksum Error	Checksum error
50	ECU internal malfunctions	P0606	Control Module Processor	Communication fault between CPUs
59	Accelerator opening sensor malfunctions (open circuit / short circuit)	P2122	Throttle/Pedal Position Sensor/Switch "D" Circuit Low	Open circuit / ground fault
59	Accelerator opening sensor malfunctions (open circuit / short circuit)	P2123	Throttle/Pedal Position Sensor/Switch "D" Circuit High	Supply fault
59	Accelerator opening sensor malfunctions (open circuit / short circuit)	P2127	Throttle/Pedal Position Sensor/Switch "E" Circuit Low	Ground fault
59	Accelerator opening sensor malfunctions (open circuit / short circuit)	P2128	Throttle/Pedal Position Sensor/Switch "E" Circuit High	Open circuit / supply fault
59	Accelerator opening sensor malfunctions (open circuit / short circuit)	P2138	Throttle/Pedal Position Sensor/Switch "D" / "E" Voltage Correlation	Deviation fault
60	Throttle motor malfunctions (drive system)	P0638	Throttle Actuator Control Range/Performance Bank 1	Disabled
69	Front wheel sensor malfunctions	P2158	Vehicle Speed Sensor "B" Circuit	No signals
70	Engine stop by idling away	P1E70	YDT event	Implementation judgment
98	IMU malfunctions (main unit)	C0520	Multi-axis Acceleration Sensor Module "A"	Abnormity
99	IMU malfunctions (communication system)	U0125	Lost Communication With Multi-axis Acceleration Sensor Module	Time out

3. Wire Harness Set (BX4-F2590-70)

Parts List

	No.	PART No.	PART NAME	Q'TY	REMARKS
	1	BX4-82590-70	WIRE HARNESS ASSY.	1	MAIN HARNESS
°	2	2CR-82386-70	WIRE,SUB-LEAD for TH INJECTOR	1	TH INJECTOR
°	3	2CR-82318-70	WIRE,SUB-LEAD for AC INJECTOR	1	AC INJECTOR
°	4	2CR-82309-70	WIRE,SUB-LEAD for IG. COIL	1	IGNITION COIL
°	5	2CR-8231Y-70	WIRE,LEAD for FUEL PUMP	1	FUEL PUMP
°	6	2CR-83553-70	WIRE,LEAD for METER	1	METER
	7	2CR-2128A-70	BRKT., REGULATOR 1	1	
*	8	90480-13003	GROMMET	2	
*	9	90560-06201	SPACER	2	
*	10	90111-06051	BOLT, HEX. SOCKET BUTTON	2	
*	11	95607-06200	NUT, U FLANGE	2	
	12	2CR-2161E-70	BRKT.,4	1	
*	13	90338-06018	PLUG	3	
*	14	120-82131-00	BAND, BATTERY	1	
*	15	90111-06051	BOLT, HEX. SOCKET BUTTON	1	
	16	2CR-2161G-70	BRKT.,6	1	
*	17	14B-8183G-10	CORD COMP.	1	
*	18	5GF-83976-00	SW.HANDLE 1	1	TAIL LIGHT SW

This wire harness is weight-saved by doing away with connecting wires for lights.

This wire harness will not function unless it is combined with the kit's ECU (BX4-8591A-70,71).

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