Diagnostic trouble codes (DTCs)

Table a. Diagnostic trouble codes (DTCs)		
P-code	**MINI FC**	**Definition**
P0001	0x28AE	Fuel Volume Regulator Control Circuit Open
P0001	0x2C3F	Fuel Volume Regulator Control Circuit Open
P0003	0x28AD	Fuel Volume Regulator Control Circuit Low
P0003	0x2C3E	Fuel Volume Regulator Control Circuit Low
P0004	0x287D	'A' Camshaft Position Slow Response (Bank 1)
P0004	0x28AC	Fuel Volume Regulator Control Circuit High
P0004	0x2C3D	Fuel Volume Regulator Control Circuit High
P000A	0x287D	'A' Camshaft Position Slow Response (Bank 1)
P0010	0x	VANOS intake-side solenoid valve, control-activation: Open circuit
P0010	0x287A	'A' Camshaft Position Actuator Circuit Open (Bank 1)
P0011	0x2870	'A' Camshaft Position Timing Over-Advanced or System Performance (Bank 1)
P0012	0x287D	'A' Camshaft Position Timing Over-Retarded (Bank 1)
P0012	0x287E	'A' Camshaft Position Timing Over-Retarded (Bank 1)
P0012	0x2D5A	VANOS intake: Closed-loop control fault, camshaft sticks
P0013	0x2842	VANOS exhaust-side solenoid valve, control-activation Open circuit
P0013	0x2D9D	'B' Camshaft Position Actuator Circuit Open (Bank 1)
P0014	0x283D	'B' Camshaft Position Timing Over-Advanced or System Performance (Bank 1)
P0015	0x2845	'B' Camshaft Position Timing Over-Retarded (Bank 1)
P0015	0x2D60	VANOS, exhaust: Closed-loop control fault, camshaft sticks
P0015	0x2D61	VANOS, exhaust: Closed-loop control fault, position not reached
P0016	0x2891	Camshaft Position Sensor Correlation (Bank 1 Sensor 'A')
P0017	0x288D	Camshaft Position Sensor Correlation (Bank 1 Sensor 'B')
P0030	0x2A63	HO2S Heater Control Circuit (Bank 1 Sensor 1)
P0030	0x2D0D	HO2S Heater Control Circuit (Bank 1 Sensor 1)
P0031	0x2A61	HO2S Heater Control Circuit Low (Bank 1 Sensor 1)
P0031	0x2D0C	HO2S Heater Control Circuit Low (Bank 1 Sensor 1)
P0032	0x2A60	HO2S Heater Control Circuit High (Bank 1 Sensor 1)
P0032	0x2D0B	HO2S Heater Control Circuit High (Bank 1 Sensor 1)
P0033	0x28B1	Turbocharger/Supercharger Bypass Valve Control Circuit
P0033	0x2C8A	Turbocharger/Supercharger Bypass Valve Control Circuit
P0034	0x28B0	Turbocharger/Supercharger Bypass Valve Control Circuit Low
P0034	0x2C89	Turbocharger/Supercharger Bypass Valve Control Circuit Low
P0035	0x28AF	Turbocharger/Supercharger Bypass Valve Control Circuit High
P0035	0x2C88	Turbocharger/Supercharger Bypass Valve Control Circuit High
P0036	0x2A53	HO2S Heater Control Circuit (Bank 1 Sensor 2)
P0036	0x2D11	HO2S Heater Control Circuit (Bank 1 Sensor 2)

Table a. Diagnostic trouble codes (DTCs) (continued)		
P-code	**MINI FC**	**Definition**
P0037	0x2A51	HO2S Heater Control Circuit Low (Bank 1 Sensor 2)
P0037	0x2D10	HO2S Heater Control Circuit Low (Bank 1 Sensor 2)
P0038	0x2A50	HO2S Heater Control Circuit High (Bank 1 Sensor 2)
P0038	0x2D0F	HO2S Heater Control Circuit High (Bank 1 Sensor 2)
P0039	0x28AA	Turbocharger/Supercharger Bypass Valve Control Circuit Range/Performance
P0071	0x29A2	Ambient Air Temperature Sensor Circuit Range / Performance
P0071	0x29A3	Ambient Air Temperature Sensor Circuit Range / Performance
P0071	0x2F2F	Ambient Air Temperature Sensor Circuit Range / Performance
P0071	0x2F30	Ambient Air Temperature Sensor Circuit Range / Performance
P0072	0x299B	Ambient Air Temperature Sensor Circuit Low
P0072	0x2F26	Ambient Air Temperature Sensor Circuit Low
P0073	0x299A	Ambient Air Temperature Sensor Circuit High
P0073	0x2F25	Ambient Air Temperature Sensor Circuit High
P007B	0x29E2	Charge-air temperature sensor, voltage change: Too rapid
P007C	0x29E1	Charge-air temperature sensor, electrical: Short circuit to ground
P007D	0x29E0	Charge-air temperature sensor, electrical: Short circuit to positive
P0087	0x28BF	Fuel Rail/System Pressure - Too Low
P0087	0x2BF5	Fuel Rail/System Pressure - Too Low
P0088	0x28BE	Fuel Rail/System Pressure - Too High
P0088	0x2BF4	Fuel Rail/System Pressure - Too High
P00BC	0x2775	Mass Airflow System, Plausibility: Air mass too low
P00BC	0x2788	Mass Airflow System, Plausibility: Air mass too low
P00BC	0x278D	Mass Airflow System, Plausibility: Air mass too low
P00BD	0x2774	Mass Airflow System, Plausibility: Air mass too high
P00BD	0x2789	Mass Airflow System, Plausibility: Air mass too high
P00BD	0x278C	Mass Airflow System, Plausibility: Air mass too high
P0100	0x277A	Mass Air Flow or Volume 'A' Circuit
P0100	0x2B51	Mass Air Flow or Volume 'A' Circuit
P0102	0x2779	Mass or Volume Air Flow Circuit Low Input
P0102	0x2789	Mass or Volume Air Flow Circuit Low Input
P0102	0x2B50	Mass or Volume Air Flow Circuit Low Input
P0103	0x2778	Mass or Volume Air Flow Circuit High Input
P0107	0x281B	Manifold Absolute Pressure/Barometric Pressure Circuit Low Input
P0107	0x2B6D	Manifold Absolute Pressure/Barometric Pressure Circuit Low Input
P0108	0x281A	Manifold Absolute Pressure/Barometric Pressure Circuit High Input
P0108	0x2B6C	Manifold Absolute Pressure/Barometric Pressure Circuit High Input
P0111	0x2EFB	Intake Temperature Sensor Bank 1 Temperature Range / Performance

Table a. Diagnostic trouble codes (DTCs) (continued)		
P-code	**MINI FC**	**Definition**
P0112	0x2EF2	Intake Air Temperature Sensor 1 Circuit Low
P0113	0x2EF1	Intake Air Temperature Sensor 1 Circuit High
P0116	0x2943	Coolant Temperature Sensor rationality Check
P0116	0x2F23	Coolant Temperature Sensor rationality Check
P0117	0x2936	Engine Coolant Temperature Circuit Low
P0117	0x2F1A	Engine Coolant Temperature Circuit Low
P0118	0x2937	Engine Coolant Temperature Circuit High
P0118	0x2F19	Engine Coolant Temperature Circuit High
P0120	0x2B0B	Throttle/Pedal Position Sensor/Switch 'A' Circuit
P0121	0x2B03	Throttle/Pedal Position Sensor/Switch 'A' Circuit Range/Performance
P0122	0x28A5	Throttle/Pedal Position Sensor/Switch 'A' Circuit Low
P0122	0x2B02	Throttle/Pedal Position Sensor/Switch 'A' Circuit Low
P0123	0x28A4	Throttle/Pedal Position Sensor/Switch 'A' Circuit High
P0123	0x2B01	Throttle/Pedal Position Sensor/Switch 'A' Circuit High
P0128	0x2F07	Coolant Thermostat (Coolant Temperature Below Thermostat Regulating Temperature)
P0128	0x348A	Program map thermostat: Sticking in open position
P0129	0x284D	Barometric pressure, operating range: Pressure too low
P0130	0x2AB4	O2 Sensor Circuit (Bank 1 Sensor 1)
P0130	0x2D2B	Before-catalyst oxygen sensor, electrical: Nernst-cell resistance or ceramic temperature implausible, wiring or heater fault
P0131	0x2A99	O2 Sensor Circuit Low Voltage (Bank 1 Sensor 1)
P0131	0x2D00	O2 Sensor Circuit Low Voltage (Bank 1 Sensor 1)
P0132	0x2A98	O2 Sensor Circuit High Voltage (Bank 1 Sensor 1)
P0132	0x2CFF	O2 Sensor Circuit High Voltage (Bank 1 Sensor 1)
P0133	0x2A35	O2 Sensor Circuit Slow Response (Bank 1 Sensor 1)
P0133	0x2CF4	O2 Sensor Circuit Slow Response (Bank 1 Sensor 1)
P0135	0x2A66	O2 Sensor Heater Circuit (Bank 1 Sensor 1)
P0135	0x2D18	Measured temperature of oxygen sensor before catalytic converter: Failure to achieve operating temperature in warmup phase
P0136	0x2A7F	O2 Sensor Circuit (Bank 1 Sensor 2)
P0136	0x2D22	Oxygen sensor behind catalytic converter, electrical: Open circuit
P0137	0x2A7D	O2 Sensor Circuit Low Voltage (Bank 1 Sensor 2)
P0137	0x2D20	O2 Sensor Circuit Low Voltage (Bank 1 Sensor 2)
P0138	0x2A7C	O2 Sensor Circuit High Voltage (Bank 1 Sensor 2)
P0139	0x2A77	O2 Sensor Circuit Slow Response (Bank 1 Sensor 2)
P0139	0x2D1E	Oxygen sensor behind catalytic converter, aging: Failure to reach overrun voltage threshold
P013A	0x2ACD	O2 Sensor Slow Response - Rich to Lean (Bank 1 Sensor 2)
P013A	0x2AD2	O2 Sensor Slow Response - Rich to Lean (Bank 1 Sensor 2)

Table a. Diagnostic trouble codes (DTCs) (continued)		
P-code	**MINI FC**	**Definition**
P013A	0x2CED	Oxygen sensor behind catalytic converter, dynamic response, from lean to rich, Slow response
P013E	0x2ACD	O2 Sensor Delayed Response - Rich to Lean (Bank 1 Sensor 2)
P013E	0x2AD2	O2 Sensor Delayed Response - Rich to Lean (Bank 1 Sensor 2)
P013E	0x2D15	O2 Sensor Delayed Response - Rich to Lean (Bank 1 Sensor 2)
P0140	0x2A7E	O2 Sensor Circuit No Activity Detected (Bank 1 Sensor 2)
P0140	0x2D21	Oxygen sensor behind catalytic converter, electrical: Heating-cycle coupling to signal
P0141	0x2A56	O2 Sensor Heater Circuit (Bank 1 Sensor 2)
P0141	0x2D13	Heater for oxygen sensor behind catalytic converter, operation: Internal resistance too high
P0148	0x27CE	Fuel Delivery Error
P0171	0x2BC0	System Too Lean (Bank 1)
P0172	0x2BC1	System Too Rich (Bank 1)
P0190	0x2848	Fuel Rail Pressure Sensor 'A' Circuit
P0192	0x2849	Fuel Rail Pressure Sensor 'A' Circuit Low
P0192	0x2BDA	Fuel Rail Pressure Sensor 'A' Circuit Low
P0193	0x2BD9	Rail-pressure sensor, electrical: Short circuit to positive
P0201	0x2D57	Injector Circuit/Open - Cylinder 1
P0202	0x2D63	Injector Circuit/Open - Cylinder 2
P0203	0x2D5A	Injector Circuit/Open - Cylinder 3
P0204	0x2D5F	Injector Circuit/Open - Cylinder 4
P0221	0x2B07	Throttle/Pedal Position Sensor/Switch 'B' Circuit Range/Performance
P0222	0x28A9	Throttle/Pedal Position Sensor/Switch 'B' Circuit Low
P0222	0x2B06	Throttle/Pedal Position Sensor/Switch 'B' Circuit Low
P0223	0x28A8	Throttle/Pedal Position Sensor/Switch 'B' Circuit High
P0223	0x2B05	Throttle/Pedal Position Sensor/Switch 'B' Circuit High
P0234	0x2C56	Boost pressure control, upper value: Boost pressure too high
P0234	0x2C71	Boost pressure control, upper value: Boost pressure too high
P0234	0x2C83	Boost pressure control, upper value: Boost pressure too high
P0237	0x289E	Turbocharger Boost Sensor 'A' Circuit Low
P0237	0x2C70	Turbocharger Boost Sensor 'A' Circuit Low
P0238	0x289D	Turbocharger Boost Sensor 'A' Circuit High
P0238	0x2C6F	Turbocharger Boost Sensor 'A' Circuit High
P023A	0x2F37	Turbocharger 'A' Overboost Condition
P023B	0x2F36	Turbocharger 'A' Overboost Condition
P023C	0x2F35	Charge Air Cooler Coolant Pump Control Circuit High
P0243	0x2883	Turbocharger Wastegate Solenoid 'A'
P0243	0x2CA3	Turbocharger Wastegate Solenoid 'A'
P0245	0x2882	Turbocharger Wastegate Solenoid 'A' Low

Table a. Diagnostic trouble codes (DTCs) (continued)		
P-code	**MINI FC**	**Definition**
P0245	0x2CA2	Turbocharger Wastegate Solenoid 'A' Low
P0246	0x2881	Turbocharger Wastegate Solenoid 'A' High
P0246	0x2CA1	Turbocharger Wastegate Solenoid 'A' High
P0261	0x2D55	Cylinder 1 Injector Circuit Low
P0262	0x2D54	Cylinder 1 Injector Circuit High
P0264	0x2D61	Cylinder 2 Injector Circuit Low
P0265	0x2D60	Cylinder 2 Injector Circuit High
P0267	0x2D59	Cylinder 3 Injector Circuit Low
P0268	0x2D58	Cylinder 3 Injector Circuit High
P0270	0x2D5D	Cylinder 4 Injector Circuit Low
P0271	0x2D5C	Cylinder 4 Injector Circuit High
P0299	0x2C57	Boost-pressure control, lower value: Boost pressure too low
P0299	0x2C72	Boost-pressure control, lower value: Boost pressure too low
P0299	0x2C84	Boost-pressure control, lower value: Boost pressure too low
P0300	0x2781	Cylinder Misfire, Several Cylinders
P0300	0x2782	Cylinder Misfire, Several Cylinders
P0300	0x2783	Cylinder Misfire, Several Cylinders
P0300	0x2EE0	Combustion miss, multiple cylinders: Fuel injection deactivation
P0300	0x2EE1	Combustion miss, multiple cylinders: Increased exhaust emissions
P0300	0x2EE2	Combustion miss, multiple cylinders: Increased exhaust emissions after start sequence
P0301	0x2771	Cylinder 1 Misfire Detected
P0301	0x2772	Cylinder 1 Misfire Detected
P0301	0x2773	Cylinder 1 Misfire Detected
P0301	0x2EE4	Combustion miss, cylinder 1: Fuel injection deactivation
P0301	0x2EE5	Combustion miss, cylinder 1: Increased exhaust emissions
P0301	0x2EE6	Combustion miss, cylinder 1: Deterioration in exhaust emissions after start sequence
P0302	0x277D	Cylinder 2 Misfire Detected
P0302	0x277E	Cylinder 2 Misfire Detected
P0302	0x277F	Cylinder 2 Misfire Detected
P0302	0x2EE7	Combustion miss, cylinder 2: Fuel injection deactivation
P0302	0x2EE8	Combustion miss, cylinder 2: Deterioration in exhaust emissions
P0302	0x2EE9	Combustion miss, cylinder 2: Deterioration in exhaust emissions after start sequence
P0303	0x2775	Cylinder 3 Misfire Detected
P0303	0x2776	Cylinder 3 Misfire Detected
P0303	0x2777	Cylinder 3 Misfire Detected
P0303	0x2EEA	Combustion miss, cylinder 3: Fuel injection deactivation
P0303	0x2EEC	Combustion miss, cylinder 3: Deterioration in exhaust emissions after start sequence

Table a. Diagnostic trouble codes (DTCs) (continued)		
P-code	**MINI FC**	**Definition**
P0304	0x2779	Cylinder 4 Misfire Detected
P0304	0x277A	Cylinder 4 Misfire Detected
P0304	0x277B	Cylinder 4 Misfire Detected
P0304	0x2EED	Combustion miss, cylinder 4: Fuel injection deactivation
P0304	0x2EEF	Combustion miss, cylinder 4: Deterioration in exhaust emissions
P0304	0x2EF0	Combustion miss, cylinder 4: Deterioration in exhaust emissions after start sequence
P0324	0x2D53	Knock Control System Error
P0324	0x303E	Knock control, fault check: Malfunction, system fault
P0327	0x2D8C	Knock Sensor 1 Circuit Low (Bank 1 or Single Sensor)
P0327	0x2D8E	Knock Sensor 1 Circuit Low (Bank 1 or Single Sensor)
P0327	0x2D9C	Knock Sensor 1 Circuit Low (Bank 1 or Single Sensor)
P0327	0x3049	Knock sensor signal: Electrical fault KS (loose contact) or KS loose
P0328	0x2D8B	Knock Sensor 1 Circuit High (Bank 1 or Single Sensor)
P0328	0x2D8D	Knock Sensor 1 Circuit High (Bank 1 or Single Sensor)
P0328	0x2D9B	Knock Sensor 1 Circuit High (Bank 1 or Single Sensor)
P0328	0x304B	Knock sensor signal: Engine produces excessive mechanical noise or crankshaft outside tolerance (sensitivity)
P0335	0x296F	Crankshaft Position Sensor 'A' Circuit
P0335	0x2FDA	Crankshaft sensor, signal: Missing
P0336	0x296E	Crankshaft Position Sensor 'A' Range
P0336	0x2FDB	Crankshaft sensor: Interference on crankshaft signal
P0340	0x2969	Camshaft Position Sensor 'A' Circuit (Bank 1 or Single Sensor)
P0340	0x2982	Camshaft Position Sensor 'A' Circuit (Bank 1 or Single Sensor)
P0341	0x2968	Camshaft Position Sensor 'A' Performance (Bank 1)
P0341	0x2D9F	Intake camshaft sensor: Signal implausible
P0342	0x2983	Camshaft Position Sensor 'A' Circuit Low (Bank 1)
P0342	0x300D	Intake camshaft position sensor: Signal too low
P0343	0x300C	Intake camshaft sensor: Signal is high
P0351	0x273D	Ignition Coil 'A' Primary / Secondary Circuit
P0352	0x2740	Ignition Coil 'B' Primary / Secondary Circuit
P0353	0x273E	Ignition Coil 'C' Primary / Secondary Circuit
P0354	0x273F	Ignition Coil 'D' Primary / Secondary Circuit
P0365	0x296C	Camshaft Position Sensor 'B' Circuit (Bank 1)
P0365	0x2986	Camshaft Position Sensor 'B' Circuit (Bank 1)
P0366	0x296B	Camshaft Position Sensor 'B' Performance (Bank 1)
P0366	0x2DA1	Exhaust camshaft sensor: Signal implausible
P0367	0x2987	Camshaft Position Sensor 'B' Circuit Low (Bank 1)

Table a. Diagnostic trouble codes (DTCs) (continued)		
P-code	**MINI FC**	**Definition**
P0367	0x300F	Exhaust camshaft sensor: Signal too low
P0368	0x300E	Exhaust camshaft sensor: Signal is high
P0420	0x276A	Catalyst System Efficiency Below Threshold (Bank 1)
P0420	0x3106	Catalytic converter: Operational efficiency below specified limit
P0441	0x27B0	Evaporative Emission System Incorrect Purge Flow
P0442	0x278C	Evaporative Emission System Leak Detected (small leak)
P0442	0x321C	Tank EVAP and purge-air system, minor leak: Leak larger than 1.0 mm
P0444	0x27B4	Evaporative Emission System Purge Control Valve Circuit Open
P0444	0x3157	Tank EVAP valve, control-activation: Open circuit
P0455	0x2710	Evaporative Emission System Leak Detected (large leak)
P0455	0x2711	Evaporative Emission System Leak Detected (large leak)
P0456	0x272F	Evaporative Emission System Leak Detected (very small leak)
P0456	0x321D	Tank EVAP and purge-air system, minute leak: Leak larger than 0.5 mm
P0458	0x27B2	Evaporative Emission System Purge Control Valve Circuit Low
P0458	0x3156	Tank EVAP valve, control-activation: Short circuit to ground
P0459	0x27B1	Evaporative Emission System Purge Control Valve Circuit High
P0459	0x3155	Tank EVAP valve, control-activation: Short circuit to positive
P0460	0x2755	Fuel Level Sensor 'A' Circuit
P0461	0x275D	Fuel Level Sensor A Performance
P0462	0x2756	Fuel Level Sensor 'A' Circuit Low
P0462	0x3188	Tank fuel-level sensor, left, signal: Short circuit to ground
P0463	0x2755	Fuel Level Sensor 'A' Circuit High
P0463	0x3187	Tank fuel-level sensor, left, signal: Short circuit to positive
P0480	0x2EE8	Fan 1 Control Circuit
P0480	0x31E9	Electric fan, control-activation: Open circuit
P0481	0x2F3F	Fan 2 Control Circuit
P0500	0x2FF7	Vehicle Speed Sensor 'A'
P0501	0x3000	Vehicle Speed Sensor 'A' Range/Performance
P0501	0x32DA	Vehicle speed, plausibility: Implausible road speed signal
P0503	0x2FF6	Vehicle Speed Sensor 'A' Intermittent / Erratic
P0503	0x32D0	Vehicle speed: Signal too high
P0506	0x2971	Idle Air Control System Lower Than Expected
P0506	0x2975	Idle Air Control System Lower Than Expected
P0506	0x3521	Idle control: Engine speed too low
P0507	0x2970	Idle Air Control System Higher Than Expected
P0507	0x2974	Idle Air Control System Higher Than Expected
P0507	0x3520	Idle control: Engine speed too high

Table a. Diagnostic trouble codes (DTCs) (continued)		
P-code	**MINI FC**	**Definition**
P050B	0x2F83	Ignition angle adjustment at idle, in cold start: Ignition angle advanced too far
P0520	0x2FC4	Engine Oil Pressure Switch Circuit
P0521	0x342B	Engine oil-pressure sensor, plausibility: Signal hangs
P0521	0x342C	Engine oil-pressure sensor, plausibility: Open ground wire
P0522	0x3427	Engine-oil pressure sensor, electrical Short circuit to ground
P0523	0x3426	Engine-oil pressure sensor, electrical Short circuit to positive
P0524	0x3406	Oil Pump: Oil Pressure Too Low
P052B	0x2D55	VANOS, intake-side, cold start: No closed-loop control possible
P0532	0x2EE1	A/C Pressure Sensor 'A' Circuit Low
P0533	0x2EE0	A/C Pressure Sensor 'A' Circuit High
P053A	0x37DE	Engine PCV heating system, control-activation: Open circuit
P053B	0x37DD	Engine PCV heating, control-activation: Short circuit to ground
P053C	0x37DC	Engine PCV heating, control-activation: Short circuit to positive
P054B	0x2D54	VANOS, exhaust-side, cold start: No closed-loop control possible
P0557	0x2FC3	Brake Booster Pressure Sensor Circuit Low
P0558	0x2FC2	Brake Booster Pressure Sensor Circuit High
P0560	0x2C9A	System Voltage
P0560	0x3888	Onboard electrical system voltage: Analog-digital converter defective
P0562	0x2C99	System Voltage Low
P0562	0x3887	Onboard electrical system voltage: Voltage too low
P0562	0x5015	System Voltage Low
P0563	0x2C98	System Voltage High
P0563	0x5014	System Voltage High
P0571	0x2FAA	Brake Switch 'A' Circuit
P0571	0x3325	Brake light switch, plausibility: Signal implausible
P0597	0x2EE5	Thermostat Heater Control Circuit / Open
P0597	0x3490	Program map thermostat, control-activation: Open circuit
P0598	0x2EE3	Thermostat Heater Control Circuit Low
P0598	0x348F	Program map thermostat, control-activation: Short circuit to ground
P0599	0x2EE2	Thermostat Heater Control Circuit High
P0599	0x348E	Program map thermostat, control-activation: Short circuit to positive
P0604	0x4FB3	Internal Control Module Random Access Memory (RAM) Error
P0605	0x4FB0	Internal Control Module Read Only Memory (ROM) Error
P060A	0x36B8	DME, internal fault Monitoring-module fault
P060B	0x2BC0	Internal Control Module A/D Processing Performance
P060B	0x2BC1	Internal Control Module A/D Processing Performance
P060B	0x2BC2	Internal Control Module A/D Processing Performance

Table a. Diagnostic trouble codes (DTCs) (continued)		
P-code	**MINI FC**	**Definition**
P060B	0x2BC3	Internal Control Module A/D Processing Performance
P060D	0x36C3	DME, internal fault Accelerator pedal module or pedal-travel sensor signal plausibilizing monitor
P0615	0x2FE7	Starter Relay Circuit
P0615	0x36FC	Starter, control-activation: Open circuit
P0616	0x2FE6	Starter Relay Circuit Low
P0616	0x36FB	Starter, control-activation: Short circuit to ground
P0617	0x2FE5	Starter Relay Circuit High
P0617	0x36FA	Starter, control-activation: Short circuit to positive
P061F	0x28BA	Internal Control Module Throttle Actuator Performance
P061F	0x2B1F	Internal Control Module Throttle Actuator Performance
P0620	0x2E24	Generator Control Circuit
P0620	0x2E33	Generator Control Circuit
P0620	0x3840	Alternator, electrical: Malfunction
P0627	0x276F	Fuel Pump 'A' Control Circuit Open
P0627	0x2770	Fuel Pump 'A' Control Circuit Open
P0628	0x276E	Fuel Pump 'A' Control Circuit Low
P0629	0x276D	Fuel Pump 'A' Control Circuit High
P062F	0x36B5	DME, internal fault: Delete EEPROM faulty
P0634	0x2FF2	PCM/ECM/TCM Internal Temperature 'A' Too High
P0634	0x3584	DME, internal fault, inside temperature sensor: Value too high
P0641	0x2BD2	Sensor Reference Voltage 'A' Circuit/Open
P0651	0x2BD3	Sensor Reference Voltage 'B' Circuit/Open
P0686	0x2C9D	ECM Power Relay Control Circuit Low
P0687	0x2C9C	ECM Power Relay Control Circuit High
P0687	0x3714	Onboard electrical system voltage, DME main relay: Voltage too high
P0691	0x2EE7	Fan 1 Control Circuit Low
P0691	0x31E8	Electric fan, control-activation: Short circuit to ground
P0692	0x2EE6	Fan 1 Control Circuit High
P0692	0x2EE6	Fan 1 Control Circuit High
P0692	0x31E7	Electric fan, control-activation: Short circuit to positive
P0694	0x2F3C	Fan 2 Control Circuit High
P0697	0x2BD4	Sensor Reference Voltage 'C' Circuit/Open
P0704	0x2FC1	Clutch Switch Input Circuit
P0705	0x5089	Transmission Range Sensor 'A' Circuit (PRNDL Input)
P0706	0x5088	Transmission Range Sensor 'A' Circuit Range/Performance
P0711	0x4EF4	Transmission Fluid Temperature Sensor 'A' Circuit Range/Performance
P0712	0x4EF2	Transmission Fluid Temperature Sensor 'A' Circuit Low

Table a. Diagnostic trouble codes (DTCs) (continued)		
P-code	**MINI FC**	**Definition**
P0713	0x4EF3	Transmission Fluid Temperature Sensor 'A' Circuit High
P0715	0X4EE9	Input/Turbine Speed Sensor 'A' Circuit
P0716	0X4EEA	Input/Turbine Speed Sensor 'A' Circuit Range/Performance
P0717	0x4EE8	Input/Turbine Speed Sensor 'A' Circuit No Signal
P0720	0X4EEC	Output Speed Sensor Circuit
P0721	0x4EED	Output Speed Sensor Circuit Range/Performance
P0722	0x4EEB	Output Speed Sensor Circuit No Signal
P0729	0x4F97	Gear 6 Incorrect Ratio
P0732	0x4F93	Gear 2 Incorrect Ratio
P0733	0x4F94	Gear 3 Incorrect Ratio
P0734	0x4F95	Gear 4 Incorrect Ratio
P0735	0x4F96	Gear 5 Incorrect Ratio
P0741	0x4F53	Torque Converter Clutch Circuit Performance/Stuck Off
P0961	0x4E22	Pressure Control Solenoid 'A' Control Circuit Range/Performance
P0962	0x4E21	Pressure Control Solenoid 'A' Control Circuit Low
P0963	0x4E20	Pressure Control Solenoid 'A' Control Circuit High
P0969	0x4E36	Pressure Control Solenoid 'C' Control Circuit Range/Performance
P0970	0x4E35	Pressure Control Solenoid 'C' Control Circuit Low
P0971	0x4E34	Pressure Control Solenoid 'C' Control Circuit High
P0973	0x4E85	Shift Solenoid 'A' Control Circuit Low
P0974	0x4E84	Shift Solenoid 'A' Control Circuit High
P0976	0x4E88	Shift Solenoid 'B' Control Circuit Low
P0977	0x4E89	Shift Solenoid 'B' Control Circuit High
P0A3B	0x2E2C	Generator Over Temperature
P0A3B	0x2E30	Generator Over Temperature
P0A3B	0x3848	Alternator, temperature: Over temperature
P1000	0x2888	VVT-System Min. Stroke Adaptation Number of Stops Exceeded
P1004	0x2853	VVT Guiding Sensor Solenoid Loss (Bank 1)
P1005	0x2854	VVT Guiding Sensor Reset Error (Bank 1)
P1006	0x2856	VVT Eccentric Shaft Sensor Parity Error (Bank 1)
P1007	0x2855	VVT Eccentric Shaft Sensor Gradient Error (Bank 1)
P1012	0x2857	VVT Guiding Sensor Solenoid Loss (Bank 1)
P1013	0x2858	VVT Reference Sensor Reset Error (Bank 1)
P1014	0x285A	VVT Eccentric Shaft Sensor Parity Error (Bank 1)
P1015	0x2859	VVT Eccentric Shaft Sensor Gradient Error (Bank 1)
P1017	0x2861	VVT Guiding Sensor Plausibility (Bank 1)
P1017	0x2DD8	Valvetronic actuator motor, position sensors: Signal implausible

Table a. Diagnostic trouble codes (DTCs) (continued)		
P-code	**MINI FC**	**Definition**
P1019	0x286D	VVT Supply Voltage Sensors High Input (Bank 1)
P101A	0x2D42	Valvetronic, adjustment range: Travel range not initialized
P101A	0x2D45	Valvetronic, adjustment range: Travel limit not learned owing to environmental conditions
P101B	0x285D	VVT Self-Learning Function Storage of Learning Values in EEPROM Not Possible
P101C	0x28B6	VVT Load Shedding Relay Control Circuit Input High
P101D	0x28B7	VVT Load Shedding Relay Control Circuit Input Low
P101E	0x28B9	VVT Load Shedding Relay Control Circuit
P1020	0x286E	VVT Sensor Supply Voltage Low Input (Bank 1)
P1023	0x285B	VVT Self Learning Function Faulty Adjustment Range (Bank 1)
P1023	0x2D43	Valvetronic, adjustment range: Range check fault
P1023	0x2D44	Valvetronic, adjustment range: Range check, deviation from base learning routine
P1024	0x285C	VVT Self Learning Function Faulty Lower Learning Range (Bank 1)
P1025	0x285E	VVT Self Learning Function No Positions Stored (Bank 1)
P1030	0x2869	VVT Control Motor Position Control Deviation (Bank1)
P1030	0x2DCE	Valvetronic system: Closed-loop control deviation too high
P1031	0x2868	VVT Actuator Monitoring Recognition of Direction of Rotation Plausibility (Bank 1)
P1047	0x284F	VVT Control Circuit High (Bank 1)
P1047	0x2DBF	Valvetronic actuator motor, control-activation Short circuit to positive
P1048	0x2850	VVT Control Circuit Low (Bank 1)
P1048	0x2DC0	Valvetronic actuator motor, control-activation: Short circuit to ground
P1049	0x2852	VVT Control Circuit Short (Bank 1)
P1050	0x2851	Valvetronic Module Power Stage Generic
P1050	0x2DC3	Valvetronic actuator motor, control-activation: Open circuit
P1056	0x286B	VVT Control Circuit High (Bank 1)
P1057	0x2847	VVT Motor Supply Voltage (Bank 1)
P1057	0x286C	VVT Motor Supply Voltage (Bank 1)
P105C	0x28B4	VVT Control Motor Tight
P105D	0x2EEE	Cold Start Intake Air Temperature - Too Low
P1062	0x2863	VVT Limp Home Request Full Stroke Position Reached (Bank 1)
P1063	0x2865	VVT Limp Home Request Air Mass Plausibility (Bank 1)
P1077	0x2860	VVT Overload Protection Control Motor Input Temperature (Bank 1)
P1078	0x285F	VVT Overload Protection Current Too High (Bank 1)
P10B0	0x29E4	Charge air temperature: Plausibility, temperature too high
P10B8	0x29E5	Charge air temperature: Signal, remains stationary
P10CE	0x2BF2	Rail-pressure sensor, operating range: Pressure too high
P10CF	0x2BF3	Rail-pressure sensor, operating range pressure too low
P10D0	0x29DC	Charge air temperature sensor, plausibility, cold start: Temperature too high

Table a. Diagnostic trouble codes (DTCs) (continued)		
P-code	**MINI FC**	**Definition**
P10D1	0x29DD	Charge air temperature sensor, plausibility, cold start: Temperature too low
P10D4	0x293B	Coolant temperature sensor, plausibility, cold start: Temperature too low
P10D5	0x293A	Coolant temperature sensor, plausibility, cold start: Temperature too high
P10D9	0x2BF8	Rail-pressure sensor, signal: No variation
P10DE	0x2D41	Valvetronic, adjustment range: Initial learning outside tolerances
P10DF	0x2DBA	Valvetronic, driver circuit component protection: System deactivation
P10E1	0x2DCF	Valvetronic system: No motion detected
P10E2	0x2DD6	Valvetronic actuator motor, position sensors: Short circuit or line break (open circuit)
P10E5	0x36B0	DME, internal fault, Valvetronic control: Malfunction
P10E6	0x2DD7	Valvetronic actuator motor, position sensors: Malfunction in voltage supply
P10E7	0x2DCA	Valvetronic, overload protection: Driver circuit overloaded
P10E8	0x2DCB	Valvetronic, overload protection: Actuator motor overloaded
P10F2	0x2C85	Boost pressure - barometric pressure, comparison: Boost air pressure too high
P10F3	0x2C86	Boost pressure - barometric pressure, comparison: Boost air pressure too low
P1104	0x2B16	Differential Pressure Sensor Intake Manifold Pressure Too Low Bank 1
P1104	0x2B6A	Differential Pressure Sensor Intake Manifold Pressure Too Low Bank 1
P1105	0x2B15	Differential Pressure Sensor Intake Manifold Pressure Too High Bank 1
P1105	0x2B69	Differential Pressure Sensor Intake Manifold Pressure Too High Bank 1
P110D	0x26AC	Throttle Position Sensor 'A' and 'B' Range / Performance
P110E	0x2752	Internal Code (Service/End-of-Line Test)
P110E	0x2753	Internal Code (Service/End-of-Line Test)
P110E	0x2754	Internal Code (Service/End-of-Line Test)
P110F	0x299C	Ambient Temperature Sensor Faulty CAN Signal
P110F	0x2F28	Ambient Temperature Sensor Faulty CAN Signal
P111A	0x2B67	Mass or Volume Air Flow va O2 Sensor Too High (Bank 1)
P111B	0x2B68	Mass or Volume Air Flow va O2 Sensor Too Low (Bank 1)
P111E	0x2EF9	Intake Temperature Sensor Bank 1 Maximum Temperature Implausible
P1124	0x2AFC	Differential Pressure Sensor Intake Manifold Pressure Offset Bank 1
P112B	0x2F22	Engine Coolant Temperature Sensor 1 Minimum Temperature Implausible
P112E	0x28A1	Throttle valve angle - Intake manifold pressure, comparison: Pressure too low
P112F	0x28A0	Manifold Absolute Pressure to Throttle Angle - Too High
P113A	0x2B5E	Mass or Volume Air Flow 1 Correction Signal Plausibility Too Long
P113A	0x30AE	Mass or Volume Air Flow 1 Correction Signal Plausibility Too Long
P113B	0x2B5F	Mass or Volume Air Flow 1 Correction Signal Plausibility Too Long
P115A	0x2B59	Mass or Volume Air Flow 'A' Maximum Exceeded
P115B	0x2B5A	Mass Air Volume Flow 'A' Minimum Fallen Below
P115C	0x2775	Mass Air Volume Flow 'A' Too Low

Table a. Diagnostic trouble codes (DTCs) (continued)		
P-code	**MINI FC**	**Definition**
P115C	0x2B56	Mass Air Volume Flow 'A' Too Low
P115C	0x2B58	Mass Air Volume Flow 'A' Too Low
P115C	0x2B5C	Mass Air Volume Flow 'A' Too Low
P115D	0x2774	Mass Air Volume Flow 'A' Too High
P115D	0x2B55	Mass Air Volume Flow 'A' Too High
P115D	0x2B57	Mass Air Volume Flow 'A' Too High
P115D	0x2B5B	Mass Air Volume Flow 'A' Too High
P115F	0x28B4	Throttle/Pedal Position Sensor/Switch 'A' / 'B' Synchronous Operation Correlation (Bank 1)
P115F	0x2B13	Throttle/Pedal Position Sensor/Switch 'A' / 'B' Synchronous Operation Correlation (Bank 1)
P116F	0x27AB	Air Mass Flow Sensor Signal Electrical
P118A	0x2F40	Engine Oil Separator Heating Circuit High
P118B	0x2F41	Engine Oil Separator Heating Circuit Low
P118C	0x2F42	Engine Oil Separator Heating Circuit Open
P1197	0x2AF9	Differential Pressure Sensor Intake Manifold High Input Bank 1
P1198	0x2AFA	Differential Pressure Sensor Intake Manifold Low Input Bank 1
P1199	0x2B6B	Differential Pressure Sensor Intake Manifold Low Input Bank 1
P119A	0x281A	Manifold Absolute Pressure Sensor High (Bank 1)
P119B	0x281B	Manifold Absolute Pressure Sensor Low (Bank 1)
P119D	0x2BC5	Fuel Trim, Injector Aging Long Term Adaptation Too High (Bank 1)
P11AA	0x2714	Throttle valve, operation: Resistance to motion, too slow
P11CB	0x284C	Barometric pressure, operating range: Pressure too high
P1216	0x27CF	Fuel Pump Emergency Operation
P1247	0x284E	Barometric pressure, operating range: Pressure implausible
P1247	0x284F	Barometric pressure, operating range: Pressure implausible
P1250	0x280E	Manifold Absolute Pressure Too High
P1250	0x2B71	Manifold Absolute Pressure Too High
P1255	0x280F	Manifold Absolute Pressure Too Low
P1255	0x2B72	Manifold Absolute Pressure Too Low
P1260	0x2C58	Boost-pressure control, deactivation: Boost pressure build-up blocked
P1296	0x2884	Boost Pressure Control Boost Pressure Too High
P1297	0x2885	Boost Pressure Control Boost Pressure Too Low
P129D	0x2B73	Manifold Absolute Pressure Maximum Pressure Implausible
P129E	0x2B74	Manifold Absolute Pressure Minimum Pressure Implausible
P12A0	0x28A2	Turbocharger/Supercharger Boost Pressure, Pressure Front of Throttle Valve Too High
P12A0	0x2C83	Turbocharger/Supercharger Boost Pressure, Pressure Front of Throttle Valve Too High
P12A1	0x28A3	Turbocharger/Supercharger Boost Pressure, Pressure Front of Throttle Valve Too Low
P12A1	0x2C84	Turbocharger/Supercharger Boost Pressure, Pressure Front of Throttle Valve Too Low

Table a. Diagnostic trouble codes (DTCs) (continued)		
P-code	**MINI FC**	**Definition**
P12A2	0x28A4	Turbocharger/Supercharger Boost Pressure, Maximum Pressure Front of Throttle Valve Implausible
P12A3	0x28A5	Turbocharger/Supercharger Boost Pressure, Minimum Pressure Front of Throttle Valve Implausible
P12A5	0x280E	Absolute pressure sensor, intake manifold, plausibility, shutdown phase: Pressure too high
P12A8	0x2C72	Boost-pressure sensor, plausibility, shutdown phase: Pressure too low
P12A9	0x2C71	Boost-pressure sensor, plausibility, shutdown phase: Pressure too high
P12B8	0x2842	Barometric pressure sensor, plausibility, shutdown phase: Pressure too low
P12B9	0x2841	Barometric pressure sensor, plausibility, shutdown phase: Pressure too high
P12DA	0x2C85	Boost pressure - barometric pressure, comparison: Boost pressure too high
P12DB	0x2C86	Boost pressure - barometric pressure, comparison: Boost pressure too low
P1338	0x296A	Camshaft Position Sensor Rationality Check (Inlet - Outlet)
P1338	0x2DA0	Intake camshaft: Angular offset to crankshaft is outside tolerance range
P1339	0x296D	Camshaft Position Sensor Rationality Check (Inlet - Outlet)
P1339	0x2DA2	Exhaust camshaft: Angular offset to crankshaft is outside tolerance range
P136C	0x2DC2	Knock Control Super Knocking Detected
P137A	0x2D51	Knock Control Super Knocking Caused by Defective Ignition Coil
P137A	0x2F82	Super-knock: Super-knock with ignition fault
P137B	0x2D50	Knock Control Super Knocking Caused by Defective Knock Sensor
P137B	0x2F81	Super-knock: Knock sensor fault, super-knock in limp-home mode
P137D	0x2DC0	Knock Control Torque Limitation Caused by Too High Number of Super Knocking
P137D	0x2F7F	Knock Control Torque Limitation Caused by Too High Number of Super Knocking
P137E	0x2DC1	Knock Control Permanent Torque Limitation Caused by Too High Number of Super Knocking
P137E	0x2F80	Knock Control Permanent Torque Limitation Caused by Too High Number of Super Knocking
P137F	0x2D52	Knock Control Fuel Cutoff Due to Super Knocking
P137F	0x2F7C	Knock Control Fuel Cutoff Due to Super Knocking
P13A0	0x2DCC	Knock Control Fuel Cut-Off Due to Super Knocking Cylinder 1
P13A0	0x2F76	Super-knock on Cylinder 1: Injection deactivation
P13A1	0x2DCB	Knock Control Fuel Cut-Off Due to Super Knocking Cylinder 2
P13A1	0x2F77	Super-knock on Cylinder 2: Injection deactivation
P13A2	0x2DCD	Knock Control Fuel Cut-Off Due to Super Knocking Cylinder 3
P13A2	0x2F78	Super-knock on Cylinder 3: Injection deactivation
P13A3	0x2DCA	Knock Control Fuel Cut-Off Due to Super Knocking Cylinder 4
P13A3	0x2F79	Super-knock on Cylinder 4: Injection deactivation
P13AE	0x3040	Knock sensor, electrical: Signal input A, short circuit to ground
P13AF	0x303F	Knock sensor, electrical: Signal input A, short circuit to positive
P13B8	0x3042	Knock sensor, electrical: Signal input B, short circuit to ground
P13B9	0x3041	Knock sensor, electrical: Signal input B, short circuit to positive
P13C0	0x2D5A	VANOS intake: Closed-loop control fault, camshaft sticks

Table a. Diagnostic trouble codes (DTCs) (continued)		
P-code	**MINI FC**	**Definition**
P13C9	0x2D5A	VANOS intake: Closed-loop control fault, camshaft sticks
P13CA	0x3011	Exhaust camshaft, mechanical: Assembly faulty
P13CB	0x3012	Exhaust camshaft, mechanical: Incorrect installation
P13EA	0x2F84	Ignition-angle adjustment at part-load, cold start: Ignition angle advanced too far
P1407	0x2757	Fuel Level Signal 1
P1407	0x318A	Tank fuel-level sensor, left, signal: CAN value implausible
P1408	0x3185	Tank fuel-level sensor, right, signal: Implausible CAN data
P1409	0x2758	Fuel Level 1 CAN Error
P1433	0x27C6	Fuel level 2 CAN error
P1434	0x2736	DMTL Tank Leakage
P1434	0x3220	DMTL, system fault: Abort due to current fluctuations during reference measurement
P1447	0x2735	Diagnostic Module Tank Leakage (DMTL) Pump Current Too High during Switching Solenoid Test
P1447	0x3221	DMTL, system fault: Pump current reaches limit during valve test
P1448	0x2734	Diagnostic Module Tank Leakage (DMTL) Pump Current Too Low
P1448	0x321F	DMTL, system fault: Pump current too low during reference measurement
P1449	0x2733	Diagnostic Module Tank Leakage (DMTL) Pump Current Too High
P1449	0x321E	DMTL, system fault: Pump current too high during reference measurement
P144A	0x275E	Fuel level / Tank Capacity Correlation
P144B	0x275F	Fuel level / Fuel Consumption Correlation
P144B	0x318D	Tank fuel-level sensor: Fuel consumption rate does not correlate with change fuel level
P1497	0x2B64	Downstream Throttle Air Leak
P150A	0x2E44	Battery Sensor Extended Communication Circuit
P150B	0x2E47	Battery Sensor Serial Data Interface
P150B	0x2E4F	Battery Sensor Serial Data Interface
P150C	0x2E46	Battery Sensor Firmware Implausible
P150C	0x38A5	Intelligent battery sensor, signal: Software fault
P150D	0x2E40	Battery Sensor Temperature Error
P150D	0x38A9	Intelligent battery sensor, function: Temperature fault
P150E	0x2E43	Battery Sensor Voltage Error
P150E	0x38AA	Intelligent battery sensor, function: Voltage fault
P150F	0x2E42	Battery Sensor Current Error
P1515	0x2FAC	Engine OFF Timer Plausibility
P151A	0x2E48	Battery Sensor Terminal 15 / 30 Wakeup Circuit
P151B	0x2E4A	Battery Sensor Wakeup Circuit
P151B	0x38B2	Intelligent battery sensor, signal transmission: Implausible wake-up wire signal level
P151C	0x2E4B	Battery Sensor System Error
P152A	0x32D8	Vehicle speed, plausibility: Minimum speed under load not reached

Table a. Diagnostic trouble codes (DTCs) (continued)		
P-code	**MINI FC**	**Definition**
P152B	0x2FFF	Vehicle Speed Sensor Too Low During Coast Down Compared to Reference Under Load
P152B	0x32D9	Vehicle speed, plausibility: Minimum speed in coast mode not reached
P1551	0x2FAD	Engine OFF Timer Time-out
P1551	0x3390	Engine shutdown time: Timeout or invalidity value
P1561	0x2973	Cold Start Idle RPM Lower Than Expected
P1561	0x3525	Idle control, cold start: Engine speed too low
P1562	0x2972	Cold Start Idle RPM Higher Than Expected
P1562	0x3524	Idle control, cold start: Engine speed too high
P1577	0x2FF4	Speed Indication Instrument Pack
P159E	0x33FC	Engine oil-pressure control, dynamic: Pressure fluctuations
P159F	0x33FD	Engine oil-pressure control, static: Engine oil pressure too high, backup mode
P15A0	0x33FE	Engine oil-pressure control, static: Engine oil pressure too low, backup mode
P15A1	0x3408	Oil-pressure control valve: Sticks when under maximum current (minimum oil pressure)
P15A2	0x3409	Oil-pressure control valve: Sticks in no-voltage position (maximum oil pressure)
P15A3	0x3405	Oil pump: Oil pressure too high
P15A5	0x3404	Engine oil-pressure system: Control instability
P15A6	0x3429	Engine oil-pressure sensor, plausibility: Pressure too high before start
P15A7	0x342A	Engine oil-pressure sensor, plausibility: Pressure too low before start
P15B5	0x2FF5	Speed Indication Instrument Pack / DSC Signal Correlation
P15C7	0x2FF5	Oil-pressure control valve: Not plausible with component analysis
P15DA	0x32DD	Vehicle speed, wheelspeed sensor front/right, plausibility: Signal implausible
P15DB	0x32DF	Vehicle speed, wheelspeed sensor left/right, plausibility: Signal implausible
P15DC	0x32DC	Vehicle speed, wheelspeed sensor left/right, plausibility: Signal implausible
P15DD	0x32DE	Vehicle speed, wheelspeed sensor rear/right, plausibility: Implausible signal
P15DE	0x2BED	High-pressure fuel system, cold start: Pressure too high
P15DF	0x2BED	High-pressure fuel system, cold start: Pressure too low
P15E8	0x3392	Engine shutdown time, plausibility: Time too short relative to temperature drop in engine coolant
P15E9	0x3393	Engine shutdown time, plausibility: Time to long in correlation to engine-coolant cooling
P15EA	0x3401	Oil-pressure control valve, activation: Open circuit
P15EC	0x33FF	Oil-pressure control valve, activation: Short circuit to positive
P15FA	0x3394	Engine shutdown time: Too rapid with engine running
P15FB	0x3395	Engine shutdown time: Too slow with engine running
P15FC	0x3398	Engine shutdown time: Too rapid in shutdown phase
P15FD	0x3399	Engine shutdown time: Too slow in shutdown phase
P15FE	0x3396	Engine shutdown time, signal: Missing
P1603	0x2BD9	Control Module Self-Test, Torque Monitoring
P1603	0x2BD9	Control Module Self-Test, Torque Monitoring

Table a. Diagnostic trouble codes (DTCs) (continued)		
P-code	**MINI FC**	**Definition**
P1605	0x2BCB	Safety Concept Torque Limitation Level 1
P160A	0x2C8D	Powermanagement Exhaustive Discharge
P160A	0x387C	Power management, battery monitoring: Deep discharge
P160B	0x2C8E	Powermanagement Defective
P160C	0x2C90	Powermanagement Overvoltage
P160C	0x3877	Power management, overvoltage: Overvoltage detected
P160D	0x2C91	Powermanagement Undervolatge
P160D	0x3878	Power management, undervoltage: Undervoltage detected
P160E	0x2C93	Powermanagement Operation Without Battery
P160E	0x3879	Power management: Operation without battery
P160F	0X2C96	Powermanagement No Load Current Error
P160F	0X387F	Power management, standby current monitor: Standby current violation
P1626	0x278A	DME, internal fault, mass air flow sensor: Fault in driver circuit
P1628	0x2B26	Throttle Valve Spring Does Not Open
P1629	0x2B25	Throttle Valve Spring Does Not Open
P1631	0x28BD	Throttle Valve Actuator Spring Test
P1631	0x2B22	Throttle Valve Actuator Spring Test
P1632	0x28CC	Throttle Valve Adaptation Conditions Not Met
P1633	0X2B2F	Throttle Valve Adaptation Limp-Home Position Unknown
P1633	0X2BC4	Throttle Valve Adaptation Limp-Home Position Unknown
P1634	0x28BC	Throttle Valve Adaptation Spring Test Failed
P1634	0x2B21	Throttle Valve Adaptation Spring Test Failed
P1635	0x2B3F	Throttle Valve Adaptation Lower Mechanical Stop not Adapted
P1637	0x2B2B	Throttle Valve Position Control, Control Deviation
P1638	0x2711	Throttle Valve Position Control Throttle Stuck Temporarily
P1638	0x2B32	Throttle Valve Position Control Throttle Stuck Temporarily
P1639	0x2710	Throttle Valve Position Control Throttle Stuck Permanently
P1639	0x2B31	Throttle Valve Position Control Throttle Stuck Permanently
P163A	0x2FF3	PCM/TECM/TCM Internal Temperature Too Low
P163A	0x3585	DME, internal fault, inside temperature sensor: Value too low
P163C	0x2BD1	Voltage Monitoring Control Module Overload
P163D	0x2BC4	Voltage Monitoring Control Module Cutoff Detected
P163D	0x2BCF	Voltage Monitoring Control Module Cut-OFF Detected
P163D	0x2BD1	Voltage Monitoring Control Module Overvoltage
P163E	0x2BC4	Voltage Monitoring Control Module Communication Error
P163E	0x2BC5	Voltage Monitoring Control Module Communication Error
P163E	0x2BCC	Voltage Monitoring Control Module Communication Error

Diagnostic trouble codes (DTCs)

Table a. Diagnostic trouble codes (DTCs) (continued)		
P-code	**MINI FC**	**Definition**
P163E	0x2BD0	Voltage Monitoring Control Module Communication Error
P1641	0x2B39	Throttle Valve Adaptation Stop Due to Environmental Conditions
P1642	0x2B3A	Throttle Valve Adaptation Stop Due to Environmental Values
P1643	0x28D8	Throttle Actuator Start Test Amplifier Balancing Faulty
P1643	0x2B47	Throttle Actuator Start Test Amplifier Balancing Faulty
P1644	0x28D4	Throttle Valve Adaptation Relearning Lower Mechanical Stop
P1644	0x2B43	Throttle Valve Adaptation Relearning Lower Mechanical Stop
P165A	0x2FD9	EWS Interface to ECM Error
P165A	0x32E3	Electronic immobilizer - DME interface: Hardware defect
P165B	0x2FDB	EWS Interface to ECM Checksum Error
P165C	0x2FDD	EWS Data, No Available Storage Possible
P165C	0x32E7	DME, internal fault, immobilizer data: No available memory
P165D	0x2FDE	EWS Data, Faulty Release Code
P165D	0x32E9	DME, internal fault, immobilizer data: Checksum fault
P165E	0x2FDF	EWS Data Checksum Error
P1660	0x2FDA	EWS Telegram Error
P1660	0x32E4	Electronic immobilizer - DME interface: Frame fault
P1661	0x2FDC	Time-out EWS Telegram
P1661	0x32E5	Electronic immobilizer - DME interface: Timeout
P1665	0x2FD7	EWS Rolling Code Tampering
P1667	0x2FD6	EWS Start Value not yet Programmed
P1667	0x32E1	Electronic immobilizer anti-tampering protection: No start value programmed
P1668	0x2FE0	EWS Start Value Destroyed
P167E	0x2BCD	Internal Control Module Error, 5 Volt Supply Voltage High
P167E	0x36B9	DME, internal fault, monitoring 5V supply: Overvoltage detected
P167F	0x2BCE	Internal Control Module Error, 5 Volt Supply Voltage Low
P167F	0x36BA	DME, internal fault, monitoring 5V supply: Undervoltage detected
P1680	0x2BDF	Throttle Valve Control Monitor Level 2/3 ADC Processor fault
P1681	0x2BDA	Throttle Valve Control Monitor Level 2/3 Engine Speed Error
P1686	0x2BE8	Throttle Valve Control Monitor Level 2/3 Pedal Position Sensor Error
P16A5	0x2A70	Time-out Control Module Multiple Output Stage SPI-Bus
P16A5	0x2A72	Time-out Control Module Multiple Output Stage SPI-Bus
P16A5	0x2A74	Time-out Control Module Multiple Output Stage SPI-Bus
P16A5	0x2D70	Time-out Control Module Multiple Output Stage SPI-Bus
P16A5	0x2D71	Time-out Control Module Multiple Output Stage SPI-Bus
P16A5	0x2D72	Time-out Control Module Multiple Output Stage SPI-Bus
P16BC	0x28D0	Throttle valve, adaptation: Initial adaptation, lower travel stop not learned

Table a. Diagnostic trouble codes (DTCs) (continued)		
P-code	**MINI FC**	**Definition**
P16CF	0x32E2	Electronic immobilizer anti-tampering protection: Expected answer is implausible
P16E6	0x28CD	Throttle valve, adaptation: Compliance with prescribed environmental conditions not achieved; battery voltage too low
P16E7	0x36E2	DME, internal fault, monitoring 5V sensor supply: Voltage outside valid range
P16E8	0x36E3	DME, internal fault, monitoring of 5V sensor power supply 2: Voltage outside valid range
P16E9	0x36E4	DME, internal fault, monitoring of 5V sensor power supply 3: Voltage outside valid range
P16EA	0x36BB	DME, internal fault, watchdog output: Malfunction
P16EB	0x36BC	DME, internal fault, watchdog output: faulty question/answer communication
P16EC	0x36BD	DME, internal fault, watchdog output: Overvoltage detection
P1721	0x3096	CAN Engine Speed
P1727	0xCF2B	Engine Speed Signal Plausibility
P173B	0xCF2D	CAN Engine Coolant Temperature Invalid
P1772	0x4F81	Turbine Speed and Engine Speed in Transmission Range D Correlation
P1774	0xCF30	CAN Wheel Speed Rear Wheel Left No Signal
P1775	0xCF31	CAN Wheel Speed Rear Wheel Right No Signal
P1776	0xCF32	CAN Wheel Speed Front Wheel Left No Signal
P1777	0xCF33	CAN Wheel Speed Front Wheel Right No Signal
P1782	0xCF2C	CAN Brake Signal
P1791	0x4FB1	Internal Transmission Control Module Memory Check Sum/EEPROM Error
P1794	2DD3	TCM Checksum Error
P2065	0x27C4	Fuel Level Sensor 'B' Circuit
P2067	0x27C5	Fuel Level Sensor 'B' Circuit Low
P2067	0x3184	Tank fuel-level sensor, right, signal: Short circuit to ground
P2068	0x27C4	Fuel Level Sensor 'B' Circuit High
P2088	0x2878	'A' Camshaft Position Actuator Control Circuit Low (Bank 1)
P2088	0x2D52	VANOS intake-side solenoid valve, control-activation: Short circuit to ground
P2089	0x2877	'A' Camshaft Position Actuator Control Circuit High (Bank 1)
P2089	0x2D51	VANOS intake-side solenoid valve, control-activation: Short circuit to positive
P2090	0x2841	'B' Camshaft Position Actuator Control Circuit Low (Bank 1)
P2090	0x2D9C	VANOS exhaust-side solenoid valve, control-activation Short circuit to ground
P2091	0x2840	'B' Camshaft Position Actuator Control Circuit High (Bank 1)
P2091	0x2D9B	VANOS exhaust-side solenoid valve, control-activation Short circuit to positive
P2096	0x2AC2	Post Catalyst Fuel Trim System Too Lean (Bank 1)
P2096	0x2BCB	Pre-catalyst oxygen sensor, mixture fine-tuning: Exhaust gas behind catalytic converter too lean
P2096	0x2D34	Before-catalyst oxygen sensor, system check: Signal stuck at rich
P2097	0x2AC1	Post Catalyst Fuel Trim System Too Rich (Bank 1)
P2097	0x2BCA	Pre-catalyst oxygen sensor, mixture fine-tuning: Exhaust gas behind catalytic converter too rich

Diagnostic trouble codes (DTCs)

Table a. Diagnostic trouble codes (DTCs) (continued)		
P-code	**MINI FC**	**Definition**
P2097	0x2D33	Before-catalyst oxygen sensor, system check: Signal stuck on lean
P2100	0x28BB	Throttle Actuator 'A' Control Motor Circuit Open
P2100	0x2B20	Throttle Actuator 'A' Control Motor Circuit Open
P2102	0x2B1E	Throttle Actuator 'A' Control Motor Circuit Low
P2103	0x2B1D	Throttle Actuator 'A' Control Motor Circuit High
P2103	0x2BB8	Throttle Actuator 'A' Control Motor Circuit High
P2118	0x28B9	DME, internal fault, throttle valve control: Overheated or current too high
P2120	0x2B4E	Throttle / Pedal Position Sensor 'D' Circuit
P2122	0x27DA	Throttle Pedal Position Sensor 'D' Circuit Low
P2122	0x2B4A	Throttle Pedal Position Sensor 'D' Circuit Low
P2123	0x27D9	Throttle Pedal Position Sensor 'D' Circuit High
P2123	0x2B49	Throttle Pedal Position Sensor 'D' Circuit High
P2127	0x27DC	Throttle Pedal Position Sensor 'E' Circuit Low
P2127	0x2B4D	Throttle Pedal Position Sensor 'E' Circuit Low
P2128	0x27DB	Throttle Pedal Position Sensor 'E' Circuit High
P2128	0x2B4C	Throttle Pedal Position Sensor 'E' Circuit High
P2138	0x27E8	Throttle / Pedal Position Sensor 'D' 'E' Voltage Correlation
P2138	0x2B4B	Throttle / Pedal Position Sensor 'D' 'E' Voltage Correlation
P213F	0x27D0	Fuel Pump Emergency Cut Off
P2146	0x2DBD	Fuel Injector Group 'A' Supply Voltage Circuit Open
P2147	0x2DBE	Fuel Injector Group 'A' Supply Voltage Circuit Low
P2148	0x2DBF	Fuel Injector Group 'A' Supply Voltage Circuit High
P2177	0x2745	Fuel Trim Limit Exceeded System Too Lean
P2177	0x274D	Fuel Trim Limit Exceeded System Too Lean
P2177	0x2BC0	Fuel Trim Limit Exceeded System Too Lean
P2178	0x2746	Fuel Trim Limit Exceeded System Too Rich
P2178	0x274E	Fuel Trim Limit Exceeded System Too Rich
P2178	0x2BC1	Fuel Trim Limit Exceeded System Too Rich
P2187	0x2785	System Too Lean at Idle (Bank 1)
P2187	0x2789	System Too Lean at Idle (Bank 1)
P2188	0x2786	System Too Rich at Idle (Bank 1)
P2195	0x2AC3	O2 Sensor Signal Stuck Lean (Bank 1 Sensor 1)
P2195	0x2D33	O2 Sensor Signal Stuck Lean (Bank 1 Sensor 1)
P2195	0x2D35	Pre-catalyst oxygen sensor, plausibility: Mixture behind catalytic converter too rich
P2196	0x2AC4	O2 Sensor Signal Stuck Rich (Bank 1 Sensor 1)
P2196	0x2D34	O2 Sensor Signal Stuck Rich (Bank 1 Sensor 1)
P2196	0x2D36	Pre-catalyst oxygen sensor, plausibility: Mixture gas behind catalytic converter too lean

Table a. Diagnostic trouble codes (DTCs) (continued)

P-code	MINI FC	Definition
P2228	0x283D	Barometric Pressure Sensor 'A' Circuit Low
P2228	0x2FC6	Barometric Pressure Sensor 'A' Circuit Low
P2229	0x283C	Barometric Pressure Sensor 'A' Circuit High
P2229	0x2FC5	Barometric Pressure Sensor 'A' Circuit High
P2237	0x2A93	O2 Sensor Reference Circuit Continuity (Bank 1 Sensor 1)
P2243	0x2AA3	O2 Sensor Reference Voltage Circuit Open (Bank 1 Sensor 1)
P2243	0x2CFA	O2 Sensor Reference Voltage Circuit Open (Bank 1 Sensor 1)
P2251	0x2AAB	O2 Sensor Reference Circuit Continuity (Bank 1 Sensor 1)
P2251	0x2D27	Oxygen sensor before catalytic converter, electrical: Open circuit, virtual ground
P2270	0x2A74	O2 Sensor Signal Stuck Lean (Bank 1 Sensor 2)
P2270	0x2D1B	O2 Sensor Signal Stuck Lean (Bank 1 Sensor 2)
P2271	0x2A71	O2 Sensor Signal Stuck Rich (Bank 1 Sensor 2)
P2271	0x2A75	O2 Sensor Signal Stuck Rich (Bank 1 Sensor 2)
P2271	0x2D1C	O2 Sensor Signal Stuck Rich (Bank 1 Sensor 2)
P2400	0x272E	DMTL Activation Control Circuit Open
P2400	0x3227	DMTL leak diagnosis pump, control-activation: Open circuit
P2401	0x272C	DMTL Activation Control Circuit Low
P2401	0x3226	DMTL leak diagnosis pump, control-activation: Short circuit to ground
P2402	0x272B	DMTL Activation Control Circuit High
P2402	0x3225	DMTL leak diagnosis pump, control-activation: Short circuit to positive
P240A	0x271B	DMTL Pump Heater Circuit Open
P240A	0x3224	DMTL, heater, activation: Open circuit
P240B	0x2719	DMTL Pump Heater Circuit Low
P240B	0x3223	DMTL, heater, activation: Short circuit to ground
P240C	0x2718	DMTL Pump Heater Circuit High
P240C	0x3222	DMTL, heater, activation: Short circuit to positive
P2414	0x2ACB	O2 Sensor Oxygen Sample Error (Bank 1 Sensor 1)
P2414	0x2CF8	Oxygen sensor before catalytic converter, installation: Sensor is not installed correctly in exhaust system
P2418	0x272A	DMTL Solenoid Control Circuit Open
P2418	0x321B	DMTL solenoid valve, control-activation: Open circuit
P2419	0x2728	DMTL Solenoid Control Circuit Low
P2419	0x321A	DMTL solenoid valve, control-activation: Short circuit to ground
P2420	0x2727	Evaporative Emission System Switching Valve Control Circuit High
P2420	0x3219	DMTL solenoid valve, control-activation: Short circuit to positive
P2421	0x315A	EVAP evaporative emissions valve: Sticks in closed position
P2422	0x3159	EVAP evaporative emissions valve: jammed open
P2510	0x2C9E	ECM/PCM Power Relay Sense Circuit Range/Performance

Table a. Diagnostic trouble codes (DTCs) (continued)		
P-code	**MINI FC**	**Definition**
P2600	0x2F3A	Coolant Pump 'A' Control Circuit Open
P2602	0x2F39	Coolant Pump 'A' Control Circuit Low
P2603	0x2F38	Coolant Pump 'A' Control Circuit High
P2610	0x3391	Engine shutdown time: Signal implausible
P2626	0x2A8B	O2 Sensor Pumping Current Circuit Open (Bank 1 Sensor 1)
P2637	0xCF16	Torque Management Feedback Signal 'A'
P2719	0x4E40	Pressure Control Solenoid 'D' Control Circuit Range/Performance
P2720	0x4E3F	Pressure Control Solenoid 'D' Control Circuit Low
P2721	0x4E3E	Pressure Control Solenoid 'D' Control Circuit High
P2728	0x4E4A	Pressure Control Solenoid 'E' Control Circuit Range/Performance
P2729	0x4E49	Pressure Control Solenoid 'E' Control Circuit Low
P2730	0x4E48	Pressure Control Solenoid 'E' Control Circuit High
P2737	0x4E54	Pressure Control Solenoid 'F' Control Circuit Range/Performance
P2738	0x4E53	Pressure Control Solenoid 'F' Control Circuit Low
P2739	0x4E52	Pressure Control Solenoid 'F' Control Circuit High
P2762	0x4E2C	Torque Converter Clutch Pressure Control Solenoid Control Circuit Range/Performance
P2763	0x4E2A	Torque Converter Clutch Pressure Control Solenoid Control Circuit High
P2764	0X4E2B	Torque Converter Clutch Pressure Control Solenoid Control Circuit Low
P3007	0x287F	Fuel Rail Pressure Pressure-Rate-Controlled, Maximum Pressure Exceeded
P3012	0x2A6C	Adaptation value Too High (Bank 1 Sensor 1)
P3012	0x2D03	Adaptation value Too High (Bank 1 Sensor 1)
P3014	0x2A6D	O2 Sensor IC Supply Voltage Too Low (Bank 1 Sensor 1)
P3014	0x2D04	O2 Sensor IC Supply Voltage Too Low (Bank 1 Sensor 1)
P3016	0x2A67	O2 Sensor Ceramic Internal Resistance Adjusted Value Plausibility (Bank 1 Sensor 1)
P3016	0x2D19	O2 Sensor Ceramic Internal Resistance Adjusted Value Plausibility (Bank 1 Sensor 1)
P3018	0x2A90	O2 Sensor Lambda Controller Value Above Threshold Due to Open Pumping Circuit (Bank 1 Sensor 1)
P3018	0x2D23	Oxygen sensor before catalytic converter, pumping current wire: Oxygen sensor control value above threshold due to open pump wire
P301A	0x2DA5	Injector 1 Stuck Open
P301B	0x2DAE	Injector 2 Stuck Open
P301C	0x2DA8	Injector 3 Stuck Open
P301D	0x2DAB	Injector 4 Stuck Open
P301E	0x2DB1	Injector 1 or 3 Stuck Open
P301F	0x2DB4	Injector 2 or 4 Stuck Open
P3020	0x2A92	O2 Sensor Signal Too Low During Coast Down Fuel Cut-OFF (Bank 1 Sensor 1)
P3022	0x2A6F	O2 Sensor Disturbed SPI WRAF-IC (Bank 1 Sensor 1)
P3022	0x2D06	DME, internal fault, oxygen sensor before catalytic converter: Communication fault

Table a. Diagnostic trouble codes (DTCs) (continued)		
P-code	**MINI FC**	**Definition**
P3024	0x2A6E	O2 Sensor Initialization Error WRAF-IC (Bank 1 Sensor 1)
P3024	0x2D05	DME, internal fault, oxygen sensor before catalytic converter: Initialization fault
P3026	0x2A64	O2 Sensor Operating Temperature Not Reached (Bank 1 Sensor 1)
P3026	0x2D17	O2 Sensor Operating Temperature Not Reached (Bank 1 Sensor 1)
P302A	0x2CDD	High-pressure fuel system, fuel pressure: Maximum pressure exceeded
P302C	0x2C01	High-pressure fuel system, fuel pressure: Pressure falls below minimum threshold
P306A	2X2BDB	Fuel system: Pressure too high, emergency running mode with low pressure
P306C	2X2BDD	Fuel system: Pressure briefly too high, rpm and load factor limited
P306F	2X2BE9	Fuel pressure: Pressure drops below minimum, injection deactivation to protect catalyst
P3091	0x2880	Fuel Rail Pressure Pressure-Rate-Controlled, Fallen Below Minimum Pressure
P3100	0x2A4C	Cylinder 1 High Pressure Injector Low Side Circuit Open
P3100	0x2D7F	Cylinder 1 High Pressure Injector Low Side Circuit Open
P3101	0x2A01	Cylinder 1 High Pressure Injector Low Side Circuit Low
P3101	0x2D77	Cylinder 1 High Pressure Injector Low Side Circuit Low
P3102	0x29FF	Cylinder 1 High Pressure Injector Low Side Circuit High
P3102	0x2D73	Cylinder 1 High Pressure Injector Low Side Circuit High
P3103	0x2A40	Cylinder 1 High Pressure Injector Low Side Booster Time Error
P3103	0x2D7B	Cylinder 1 High Pressure Injector Low Side Booster Time Error
P3104	0x2A4D	Cylinder 2 High Pressure Injector Low Side Circuit Open
P3104	0x2D82	Cylinder 2 High Pressure Injector Low Side Circuit Open
P3105	0x2A05	Cylinder 2 High Pressure Injector Low Side Circuit Low
P3105	0x2D7A	Cylinder 2 High Pressure Injector Low Side Circuit Low
P3106	0x2A03	Cylinder 2 High Pressure Injector Low Side Circuit high
P3106	0x2D76	Cylinder 2 High Pressure Injector Low Side Circuit high
P3107	0x2A41	Cylinder 2 High Pressure Injector Low Side Booster Time Error
P3107	0x2D7E	Cylinder 2 High Pressure Injector Low Side Booster Time Error
P3108	0x2A43	Cylinder 3 High Pressure Injector Low Side Circuit Open
P3108	0x2D80	Cylinder 3 High Pressure Injector Low Side Circuit Open
P3109	0x2A09	Cylinder 3 High Pressure Injector Low Side Circuit Low
P3109	0x2D78	Cylinder 3 High Pressure Injector Low Side Circuit Low
P3110	0x2A07	Cylinder 3 High Pressure Injector Low Side Circuit High
P3110	0x2D74	Cylinder 3 High Pressure Injector Low Side Circuit High
P3111	0x2A42	Cylinder 3 High Pressure Injector Low Side Booster Time Error
P3111	0x2D7C	Cylinder 3 High Pressure Injector Low Side Booster Time Error
P3112	0x2A4F	Cylinder 4 High Pressure Injector Low Side Circuit Open
P3112	0x2D81	Cylinder 4 High Pressure Injector Low Side Circuit Open
P3113	0x2A0D	Cylinder 4 High Pressure Injector Low Side Circuit Low

Table a. Diagnostic trouble codes (DTCs) (continued)		
P-code	**MINI FC**	**Definition**
P3113	0x2D79	Cylinder 4 High Pressure Injector Low Side Circuit Low
P3114	0x2D75	Cylinder 4 High Pressure Injector Low Side Circuit High
P3115	0x2A43	Cylinder 5 High Pressure Injector Low Side Booster Time Error
P3115	0x2D7D	Cylinder 5 High Pressure Injector Low Side Booster Time Error
P3148	0x2A30	Cylinder 1 High Pressure Injector High Side Shorted to Coil
P3148	0x2D6C	Cylinder 1 High Pressure Injector High Side Shorted to Coil
P3149	0x29FE	Cylinder 1 High Pressure Injector High Side Circuit Low
P3149	0x2D68	Cylinder 1 High Pressure Injector High Side Circuit Low
P3150	0x2A00	Cylinder 1 High Pressure Injector High Side Circuit High
P3150	0x2D64	Cylinder 1 High Pressure Injector High Side Circuit High
P3151	0x2A31	Cylinder 2 High Pressure Injector High Side Shorted to Coil
P3151	0x2D6F	Cylinder 2 High Pressure Injector High Side Shorted to Coil
P3152	0x2A02	Cylinder 2 High Pressure Injector High Side Circuit Low
P3152	0x2D6B	Cylinder 2 High Pressure Injector High Side Circuit Low
P3153	0x2A04	Cylinder 2 High Pressure Injector High Side Circuit High
P3153	0x2D67	Cylinder 2 High Pressure Injector High Side Circuit High
P3154	0x2A32	Cylinder 3 High Pressure Injector High Side Shorted to Coil
P3154	0x2D6D	Cylinder 3 High Pressure Injector High Side Shorted to Coil
P3155	0x2A06	Cylinder 3 High Pressure Injector High Side Circuit Low
P3155	0x2D69	Cylinder 3 High Pressure Injector High Side Circuit Low
P3156	0x2A08	Cylinder 3 High Pressure Injector High Side Circuit High
P3156	0x2D65	Cylinder 3 High Pressure Injector High Side Circuit High
P3157	0x2A33	Cylinder 4 High Pressure Injector High Side Shorted to Coil
P3157	0x2D6E	Cylinder 4 High Pressure Injector High Side Shorted to Coil
P3158	0x2A0A	Cylinder 4 High Pressure Injector High Side Circuit Low
P3158	0x2D6A	Cylinder 4 High Pressure Injector High Side Circuit Low
P3159	0x2A0C	Cylinder 4 High Pressure Injector High Side Circuit High
P3159	0x2D66	Cylinder 4 High Pressure Injector High Side Circuit High
P316B	0x2947	Engine Coolant Temperature Signal Stuck low
P3198	0x2943	Engine Coolant Temperature Gradient Too High
P3199	0x2948	Engine Coolant Temperature Signal Stuck
P3202	0x3091	Powertrain CAN Chip Cut-Off
P3202	0xCD87	PT CAN communications fault: CAN bus off or CAN bus defective
P3209	0x3094	CAN Message Monitoring ASC / DSC Alive Check
P3210	0x3095	CAN Monitoring ASC / DSC Plausibility
P3214	0x3098	CAN Message Monitoring ETC Plausibility
P3215	0x309D	CAN Message Monitoring IHKA No Signal

Table a. Diagnostic trouble codes (DTCs) (continued)		
P-code	**MINI FC**	**Definition**
P3217	0x30A0	CAN Message Instrument Pack Plausibility
P3219	0x30A4	CAN Message SZL Alive Check
P321E	0x2FCD	Ambient Pressure Sensor Maximum Pressure Implausible
P321F	0x2FCE	Ambient Pressure Sensor Minimum Pressure Implausible
P3220	0x30A6	CAN Message SZL No Signal
P3221	0x30A5	CAN Message Monitoring SZL Plausibility
P3223	0x2E32	Generator Mechanical
P3223	0x2E34	Generator Mechanical
P3223	0x3850	Alternator, mechanical: Malfunction
P3225	0x2E31	Generator Communication Error
P322A	0x2FD0	Ambient Pressure Sensor Continuity
P3232	0x2BDE	Control Module Monitoring Ignition Timing Plausibility
P3233	0x2BDD	Control Module Monitoring Relative Charge Plausibility
P3235	0x236CC	DME, internal fault Version encoding monitor
P3235	0x2BE2	Control Module Monitoring Version Coding Plausibility
P3236	0x2BE1	Control Module Monitoring Injection Time Relative Fuel Quantity Plausibility
P3237	0x2BE0	Control Module Monitoring Fuel Correction Error
P3237	0x36C5	DME, internal fault: Mixture correction factor plausibilizing monitor
P3238	0x2BE3	Control Module Monitoring TPU Chip Defective
P3239	0x303E	Control Module - No Coding
P323C	0x2FCF	Ambient Pressure Sensor Continuity Error
P323D	0x2B7A	Control Module Monitoring Air Mass Flow Balancing, Control Range Monitoring
P323E	0x2BDB	Control Module Monitoring Fuel Pressure Sensor
P324A	0x3858	Alternator: Incorrect type
P324C	0x2E28	Generator Over Temperature Calculated
P324C	0x384C	Alternator, plausibility, temperature: Overtemperature calculated
P324E	0x3854	Alternator, regulator: Incorrect type
P325A	0x2E20	Generator Electrical Error Calculated
P325A	0x3844	Alternator, plausibility, electrical: Calculated
P325C	0x36C4	DME, internal fault, electric accelerator pedal monitor: RPM sensor
P325D	0x36C6	DME, internal fault Level 1 injection quantity limitation monitor
P325D	0x36C7	DME, internal fault Level 2 injection quantity limitation monitor
P325E	0x36CD	DME, internal fault, electric accelerator pedal monitor: Ignition-timing monitoring
P325F	0x36C9	DME, internal fault Relative fuel mass plausibilizing monitor
P325F	0x36CF	DME, internal fault Fuel mass plausibilizing monitor
P326A	0x36C1	DME, internal fault, electric accelerator pedal monitor: AD converter test voltage check
P326B	0x36C2	DME, internal fault, electric accelerator pedal monitor: Airflow calibration

Table a. Diagnostic trouble codes (DTCs) (continued)		
P-code	**MINI FC**	**Definition**
P326C	0x36CB	DME, internal fault, electric accelerator pedal monitor: Implausible drivetrain conversion ratio
P3337	0x2BDC	Function MOnitoring Lambda Plausibility
P3337	0x36C8	DME, internal fault: Monitoring of specified lambda value
U0001	0xCF07	High Speed CAN Communication Bus
U0101	0x3099	Lost Communication With TCM
U0121	0xCF15	Lost Communication With Anti-Lock Brake System (ABS) Control Module
U0167	0x2FE4	Lost Communication With Vehicle Immobilizer Control Module
U110F	0x3BDD	PT CAN, message (EGS torque request, 0xB5): omitted
U1115	0x30B0	Lost Communication With Vehicle Mode Status
U1116	0x30AF	Message Monitoring Vehicle Mode Status Check Sum Error
U1118	0x3BD7	PT CAN, message (speed of vehicle, 0x1A0): omitted
U111A	0x3BE1	PT CAN, message (transmission data, 0xBA): Missing
U111E	0x30A8	Lost Communication With Terminal Status
U111F	0x30A7	Message Monitoring Terminal Status Check Sum Error
U1126	0x3BD5	PT CAN, message (status of DSC, 0x19E): Missing
U1129	0x30B2	Lost Communication With Reverse Status
U112A	0x309F	Message Monitoring Instrument Pack Status Alive Check
U112B	0x30A1	Lost Communication With Instrument Pack Status
U112D	0x30A9	Lost Communication With Control Crash Cut-Off EKP
U112E	0xCF18	Lost Communication With Pedal Position Sensor
U1132	0x2E1C	No BSD message from generator
U1132	0x2E67	No BSD message from generator
U1134	0x30AB	Lost Communication With Lamp Status
U113C	0x30AD	Lost Communication With Time/Date
U114A	0xCF12	Message Monitoring Engine Control Torque 1 Alive Check
U114B	0xCF13	Lost Communication With Engine Control Torque 1
U114C	0xCF14	Message Monitoring Engine Control Torque 1 Check Sum Error
U115A	0xCF39	Message Monitoring Engine Control Torque 3 Alive Check
U115B	0xCF3A	Lost Communication With Engine Control Torque 3
U115C	0xCF3B	Message Monitoring Engine Control Torque 3 Check Sum Error
U115E	0xCF43	Lost Communication With Engine Data
U1166	0x2FE2	Message Monitoring EWS (Electronic Immobilizer) - Frame Error
U1166	0x2FE2	Message Monitoring EWS - Frame Error
U1169	0x30BA	Lost Communication With OBD-Sensor
U116D	0x3BD2	PT CAN, message (wheel speed, 0x0CE): Missing
U116F	0x30BB	Lost Communication With Sports Mode ETC
U1173	0x3BE0	PT CAN, message (transmission data, 0xBA): Checksum fault/Alive check

Table a. Diagnostic trouble codes (DTCs) (continued)		
P-code	**MINI FC**	**Definition**
U11C9	0x3BDC	PT CAN, message (EGS torque request, 0xB5): Checksum fault/Alive check
U11CA	0x3BD6	PT CAN, message (speed of vehicle, 0x1A0): Checksum fault/Alive check
U1202	0x3097	Message Monitoring TCM Alive Check