

DTC INDEX

N55

SELF-DIAGNOSTICS DTCS

DIAGNOSTIC TROUBLE CODE INDEX

DTC	Description
<u>DTC P1638; BMW DTC 100001</u>	Throttle valve, function: jammed briefly
<u>DTC P1639; BMW DTC 100101</u>	Throttle valve, function: jammed permanently
<u>DTC P11AA; BMW DTC 100201</u>	Throttle valve, function: sluggish, too slow
<u>DTC P1637; BMW DTC 100210</u>	Throttle-valve actuator, position monitoring: positional variation
<u>DTC P110D; BMW DTC 100A02</u>	Throttle valve, throttle potentiometer 1 and 2: Double fault
<u>DTC P1141; BMW DTC 100C08</u>	Throttle valve, throttle potentiometer 1: Signal implausible for air mass
<u>DTC P1162; BMW DTC 100E08</u>	Throttle valve, throttle potentiometer 2: Signal implausible for air mass
<u>DTC P0123; BMW DTC 101001</u>	Throttle valve, throttle-valve potentiometer 1, electric: short circuit to positive or open circuit
<u>DTC P0122; BMW DTC 101002</u>	Throttle valve, throttle-valve potentiometer 1, electric: short circuit to ground
<u>DTC P0223; BMW DTC 101201</u>	Throttle valve, throttle potentiometer 2, electrical: Short circuit to B+
<u>DTC P0222; BMW DTC 101202</u>	Throttle valve, throttle potentiometer 2, electrical: Short circuit to earth or line disconnection
<u>DTC P1632; BMW DTC 101401</u>	Throttle valve, adaptation: Marginal conditions not met
<u>DTC P1633; BMW DTC 101402</u>	Throttle valve, adaptation: emergency running position not adapted
<u>DTC P16BC; BMW DTC 101408</u>	Throttle valve, adaptation: Initial adaptation, lower limit position not taught in
<u>DTC P16E6; BMW DTC 101410</u>	Throttle valve, adaptation: Marginal conditions not met; battery voltage too low
<u>DTC P115F; BMW DTC 101C08</u>	Throttle valve, throttle potentiometer: plausibility Timing fault between potentiometer 1 and potentiometer 2
<u>DTC P112F; BMW DTC 101F01</u>	Throttle-valve angle - intake-manifold pressure, correlation: limit value exceeded
<u>DTC P112E; BMW DTC 101F02</u>	Throttle-valve angle - intake-manifold pressure, correlation: limit value undershot
<u>DTC P00BD; BMW DTC 102001</u>	none
<u>DTC P115D; BMW DTC 102001</u>	none

<u>DTC P00BC; BMW DTC 102002</u>	none
<u>DTC P115C; BMW DTC 102002</u>	none
<u>DTC P115D; BMW DTC 102010</u>	Air-mass sensor, plausibility: air mass too high in relation to model
<u>DTC P115C; BMW DTC 102011</u>	Air-mass sensor, plausibility: air mass too low in relation to model
<u>DTC P0103; BMW DTC 102610</u>	Air-mass sensor, signal: implausible period duration, loose contact at low frequency
<u>DTC P0102; BMW DTC 102611</u>	Air-mass sensor, signal: implausible period duration, loose contact at high frequency
<u>DTC P0100; BMW DTC 102612</u>	Air-mass sensor, signal: short circuit or open circuit
<u>DTC P00BC; BMW DTC 102801</u>	none
<u>DTC P0102; BMW DTC 102801</u>	none
<u>DTC P0100; BMW DTC 102A01</u>	none
<u>DTC P00BD; BMW DTC 102A02</u>	none
<u>DTC P0103; BMW DTC 102A02</u>	none
<u>DTC P2123; BMW DTC 103001</u>	Accelerator-pedal module, pedal-travel sensor 1, electric: short circuit to positive
<u>DTC P2122; BMW DTC 103002</u>	Accelerator-pedal module, pedal-travel sensor 1, electric: short circuit to ground or open circuit
<u>DTC P2128; BMW DTC 103101</u>	Accelerator-pedal module, pedal-travel sensor 2, electric: short circuit to positive
<u>DTC P2127; BMW DTC 103102</u>	Accelerator-pedal module, pedal-travel sensor 2, electric: short circuit to ground or open circuit
<u>DTC P2138; BMW DTC 103308</u>	Accelerator-pedal module, pedal-travel sensor, plausibility: synchronism fault between signal 1 and signal 2
<u>DTC P11C8; BMW DTC 10351C</u>	Accelerator-pedal module, pedal-travel sensor Multiple fault
<u>DTC P1250; BMW DTC 104301</u>	none
<u>DTC P12A5; BMW DTC 104301</u>	none
<u>DTC P1255; BMW DTC 104302</u>	none
<u>DTC P12A4; BMW DTC 104302</u>	none
<u>DTC P0108; BMW DTC 104401</u>	none
<u>DTC P119A; BMW DTC 104401</u>	none
<u>DTC P0107; BMW DTC 104402</u>	Absolute pressure sensor, intake pipe, electrical: Short circuit to earth
<u>DTC P119B; BMW DTC 104402</u>	Absolute pressure sensor, intake pipe, electrical: Short circuit to earth
<u>DTC P1250; BMW DTC 104610</u>	Absolute-pressure sensor, intake manifold, plausibility: intake-manifold pressure too high
<u>DTC P1255; BMW DTC 104611</u>	Absolute-pressure sensor, intake manifold, plausibility: intake-manifold pressure too low

<u>DTC P119A; BMW DTC 104A40</u>	Absolute-pressure sensor, intake manifold, electric: short circuit to positive
<u>DTC P2229; BMW DTC 105001</u>	Ambient-pressure sensor, electric: short circuit to positive or open circuit
<u>DTC P2228; BMW DTC 105002</u>	Ambient-pressure sensor, electric: short circuit to ground
<u>DTC P11CB; BMW DTC 105101</u>	none
<u>DTC P0129; BMW DTC 105102</u>	none
<u>DTC P12B9; BMW DTC 105201</u>	Ambient pressure sensor, overrun: Pressure too high
<u>DTC P12B8; BMW DTC 105202</u>	Ambient-pressure sensor, run-on: pressure too low
<u>DTC P2227; BMW DTC 105A30</u>	Ambient-pressure sensor: collective error: electrical and plausibility
<u>DTC P11CB; BMW DTC 105A40</u>	Ambient-pressure sensor, plausibility: pressure too high
<u>DTC P0129; BMW DTC 105A41</u>	Ambient-pressure sensor, plausibility: pressure too low
<u>DTC P1247; BMW DTC 105A42</u>	Ambient pressure sensor, plausibility: Pressure implausible
<u>DTC P323C; BMW DTC 105A42</u>	Ambient pressure sensor, plausibility: Pressure implausible
<u>DTC P1247; BMW DTC 105A43</u>	Ambient pressure sensor, plausibility: Pressure implausible
<u>DTC P323C; BMW DTC 105A43</u>	Ambient pressure sensor, plausibility: Pressure implausible
<u>DTC P0121; BMW DTC 107A22</u>	Throttle valve, throttle potentiometer 1: Signal implausible in relation to substitute value from filling
<u>DTC P0223; BMW DTC 107A30</u>	Throttle valve, throttle-valve potentiometer 2, electric: short circuit to positive or open circuit
<u>DTC P0222; BMW DTC 107A31</u>	Throttle valve, throttle-valve potentiometer 2, electric: short circuit to ground
<u>DTC P0221; BMW DTC 107A32</u>	Throttle valve, throttle-valve potentiometer 2: signal implausible in rel. to substitute value from charge
<u>DTC P110D; BMW DTC 107A40</u>	Throttle-valve potentiometer: throttle-valve potentiometer 1 or 2, function
<u>DTC P169F; BMW DTC 107A50</u>	Throttle valve: Limp-home operating mode active
<u>DTC P2103; BMW DTC 107A70</u>	DME, internal fault, activation of throttle valve: Short circuit
<u>DTC P2118; BMW DTC 107A71</u>	DME, internal fault, activation of throttle valve: Excess temperature or current too high
<u>DTC P061F; BMW DTC 107A72</u>	DME, internal fault, activation of throttle valve: Internal communication fault
<u>DTC P2100; BMW DTC 107A73</u>	DME, internal fault, activation of throttle valve: Line disconnection

<u>DTC P1634; BMW DTC 107A80</u>	Throttle-valve actuator, closing spring check: abort check, spring does not close
<u>DTC P1631; BMW DTC 107A81</u>	Throttle-valve actuator, closing spring check: error during spring check
<u>DTC P1629; BMW DTC 107A90</u>	Throttle-valve actuator, opening spring check: abort check, spring does not open
<u>DTC P1628; BMW DTC 107A91</u>	Throttle-valve actuator, opening spring check: error during spring check
<u>DTC P1644; BMW DTC 107AE0</u>	Throttle valve, adaptation: Re-teach, lower limit position not taught in
<u>DTC P1643; BMW DTC 107AF0</u>	Throttle valve actuator, amplifier adjustment: malfunction
<u>DTC P0113; BMW DTC 108001</u>	Intake air temperature sensor, electrical: Short circuit to B+
<u>DTC P0112; BMW DTC 108002</u>	Intake-air temperature sensor, electric: short circuit to ground
<u>DTC P0111; BMW DTC 108010</u>	Intake-air temperature sensor, electrical: signal not plausible
<u>DTC P007D; BMW DTC 108A01</u>	Charge-air temperature sensor, electrical: Short circuit to B+
<u>DTC P007C; BMW DTC 108A02</u>	Charge-air temperature sensor, electric: short circuit to ground
<u>DTC P007B; BMW DTC 108A10</u>	Charge-air temperature sensor, electrical: Signal not plausible
<u>DTC P10B0; BMW DTC 108C01</u>	none
<u>DTC P10B8; BMW DTC 108C08</u>	Charge-air temperature sensor, plausibility: Signal hangs
<u>DTC P0118; BMW DTC 109001</u>	Coolant-temperature sensor, electric: short circuit to positive or open circuit
<u>DTC P0117; BMW DTC 109002</u>	Coolant-temperature sensor, electric: short circuit to ground
<u>DTC P112B; BMW DTC 109208</u>	none
<u>DTC P316B; BMW DTC 109208</u>	none
<u>DTC P0116; BMW DTC 109308</u>	Coolant-temperature sensor, plausibility: signal change too fast
<u>DTC P3198; BMW DTC 109308</u>	Coolant-temperature sensor, plausibility: signal change too fast
<u>DTC P10D5; BMW DTC 10AA20</u>	Coolant temperature sensor, cold start: Coolant temperature too high
<u>DTC P10D4; BMW DTC 10AA21</u>	Coolant temperature sensor, cold start: Coolant temperature too low
<u>DTC P0115; BMW DTC 10AA40</u>	Coolant-temperature sensor, electrical: no signal
<u>DTC P112A; BMW DTC 10AA50</u>	Coolant-temperature sensor, plausibility: engine temperature in rel. to model implausibly too high

<u>DTC P112B; BMW DTC 10AA51</u>	Coolant-temperature sensor, plausibility: engine temperature in rel. to model implausibly too low
<u>DTC P0116; BMW DTC 10AA52</u>	Coolant-temperature sensor, plausibility: engine temperature implausible
<u>DTC P3199; BMW DTC 10AA52</u>	Coolant-temperature sensor, plausibility: engine temperature implausible
<u>DTC P0073; BMW DTC 10B101</u>	none
<u>DTC P0072; BMW DTC 10B102</u>	none
<u>DTC P110F; BMW DTC 10B104</u>	none
<u>DTC P0073; BMW DTC 10BA20</u>	Outside temperature sensor, signal: Upper threshold value exceeded
<u>DTC P0072; BMW DTC 10BA21</u>	Outside temperature sensor, signal: Lower threshold value undershot
<u>DTC P110F; BMW DTC 10BA22</u>	Ambient-temperature sensor, signal: CAN message incorrect
<u>DTC P0071; BMW DTC 10BA40</u>	Outside temperature sensor, plausibility: Ambient temperature higher than model temperature
<u>DTC P10EA; BMW DTC 10BA40</u>	Outside temperature sensor, plausibility: Ambient temperature higher than model temperature
<u>DTC P0071; BMW DTC 10BA41</u>	Outside temperature sensor, plausibility: Ambient temperature less than model temperature
<u>DTC P10EB; BMW DTC 10BA41</u>	Outside temperature sensor, plausibility: Ambient temperature less than model temperature
<u>DTC P10C9; BMW DTC 10BA42</u>	Intake-air temperature sensor, cold start: intake-air temperature too high
<u>DTC P105D; BMW DTC 10BA43</u>	Intake-air temperature sensor, cold start: intake-air temperature too low
<u>DTC P0127; BMW DTC 10BA48</u>	Intake air temperature sensor, plausibility: Intake air temperature too high
<u>DTC P11C9; BMW DTC 10BA49</u>	Intake air temperature sensor, plausibility: Intake air temperature too low
<u>DTC P10D0; BMW DTC 10BA4A</u>	Charge-air temperature sensor, cold start: charge-air temperature too high
<u>DTC P10D1; BMW DTC 10BA4B</u>	Charge-air temperature sensor, cold start: charge-air temperature too low
<u>DTC P10B0; BMW DTC 10BA4F</u>	Charge-air temperature sensor, plausibility: Charge air temperature too high
<u>DTC P10D2; BMW DTC 10BA4F</u>	Charge-air temperature sensor, plausibility: Charge air temperature too high
<u>DTC P007B; BMW DTC 10C001</u>	none
<u>DTC P10B4; BMW DTC 10C001</u>	none
<u>DTC P10D0; BMW DTC 10C004</u>	none
<u>DTC P10B4; BMW DTC 10C005</u>	Charge-air temperature sensor, gradient: Rise too

2011 BMW 535xi

DTC INDEX N55

	high
<u>DTC P142E; BMW DTC 110001</u>	none
<u>DTC P306F; BMW DTC 110001</u>	none
<u>DTC P3149; BMW DTC 110101</u>	Injector, cylinder 1, activation: high-voltage side; short circuit to ground
<u>DTC P3102; BMW DTC 110102</u>	Injector, cylinder 1, activation: low-voltage side; short circuit to positive
<u>DTC P3150; BMW DTC 110104</u>	Injector, cylinder 1, activation: high-voltage side; short circuit to positive
<u>DTC P3101; BMW DTC 110108</u>	Injector, cylinder 1, activation: low-voltage side; short circuit to ground
<u>DTC P3152; BMW DTC 110201</u>	Injector, cylinder 2, activation: high-voltage side; short circuit to ground
<u>DTC P3106; BMW DTC 110202</u>	Injector, cylinder 2, activation: low-voltage side; short circuit to positive
<u>DTC P3153; BMW DTC 110204</u>	Injector, cylinder 2, activation: high-voltage side; short circuit to positive
<u>DTC P3105; BMW DTC 110208</u>	Injector, cylinder 2, activation: low-voltage side; short circuit to ground
<u>DTC P3155; BMW DTC 110301</u>	Injector, cylinder 3, activation: high-voltage side; short circuit to ground
<u>DTC P3110; BMW DTC 110302</u>	Injector, cylinder 3, activation: low-voltage side; short circuit to positive
<u>DTC P3156; BMW DTC 110304</u>	Injector, cylinder 3, activation: high-voltage side; short circuit to positive
<u>DTC P3109; BMW DTC 110308</u>	Injector, cylinder 3, activation: low-voltage side; short circuit to ground
<u>DTC P3158; BMW DTC 110401</u>	Injector, cylinder 4, activation: high-voltage side; short circuit to ground
<u>DTC P3114; BMW DTC 110402</u>	Injector, cylinder 4, activation: low-voltage side; short circuit to positive
<u>DTC P3159; BMW DTC 110404</u>	Injector, cylinder 4, activation: high-voltage side; short circuit to positive
<u>DTC P3113; BMW DTC 110408</u>	Injector, cylinder 4, activation: low-voltage side; short circuit to ground
<u>DTC P3161; BMW DTC 110501</u>	Injector, cylinder 5, activation: high-voltage side; short circuit to ground
<u>DTC P3118; BMW DTC 110502</u>	Injector, cylinder 5, activation: low-voltage side; short circuit to positive
<u>DTC P3162; BMW DTC 110504</u>	Injector, cylinder 5, activation: high-voltage side; short circuit to positive
<u>DTC P3117; BMW DTC 110508</u>	Injector, cylinder 5, activation: low-voltage side; short circuit to ground
<u>DTC P3164; BMW DTC 110601</u>	Injector, cylinder 6, activation: high-voltage side;

2011 BMW 535xi

DTC INDEX N55

	short circuit to ground
<u>DTC P3122; BMW DTC 110602</u>	Injector, cylinder 6, activation: low-voltage side; short circuit to positive
<u>DTC P3165; BMW DTC 110604</u>	Injector, cylinder 6, activation: high-voltage side; short circuit to positive
<u>DTC P3121; BMW DTC 110608</u>	Injector, cylinder 6, activation: low-voltage side; short circuit to ground
<u>DTC P3148; BMW DTC 111020</u>	Injector, cylinder 1, high-voltage side, activation: coil-winding short circuit
<u>DTC P3151; BMW DTC 111021</u>	Injector, cylinder 2, high-voltage side, activation: coil-winding short circuit
<u>DTC P3154; BMW DTC 111022</u>	Injector, cylinder 3, high-voltage side, activation: coil-winding short circuit
<u>DTC P3157; BMW DTC 111023</u>	Injector, cylinder 4, high-voltage side, activation: coil-winding short circuit
<u>DTC P3160; BMW DTC 111024</u>	Injector, cylinder 5, high-voltage side, activation: coil-winding short circuit
<u>DTC P3163; BMW DTC 111025</u>	Injector, cylinder 6, high-voltage side, activation: coil-winding short circuit
<u>DTC P3103; BMW DTC 111030</u>	Injector, cylinder 1, low-voltage side, activation: booster time window
<u>DTC P3107; BMW DTC 111031</u>	Injector, cylinder 2, low-voltage side, activation: booster time window
<u>DTC P3111; BMW DTC 111032</u>	Injector, cylinder 3, low-voltage side, activation: booster time window
<u>DTC P3115; BMW DTC 111033</u>	Injector, cylinder 4, low-voltage side, activation: booster time window
<u>DTC P3119; BMW DTC 111034</u>	Injector, cylinder 5, low-voltage side, activation: booster time window
<u>DTC P3123; BMW DTC 111035</u>	Injector, cylinder 6, low-voltage side, activation: booster time window
<u>DTC P3100; BMW DTC 111040</u>	Injector, cylinder 1, low-voltage side, activation: open circuit
<u>DTC P3104; BMW DTC 111041</u>	Injector, cylinder 2, low-voltage side, activation: open circuit
<u>DTC P3108; BMW DTC 111042</u>	Injector, cylinder 3, low-voltage side, activation: open circuit
<u>DTC P3112; BMW DTC 111043</u>	Injector, cylinder 4, low-voltage side, activation: open circuit
<u>DTC P3116; BMW DTC 111044</u>	Injector, cylinder 5, low-voltage side, activation: open circuit
<u>DTC P3120; BMW DTC 111045</u>	Injector, cylinder 6, low-voltage side, activation: open circuit
<u>DTC P16A5; BMW DTC 111110</u>	DME, internal fault, HDEV output-stage module 1:

	SPI communication faulty
<u>DTC P16A5; BMW DTC 11111</u>	DME, internal fault, HDEV output-stage module 2: SPI communication faulty
<u>DTC P16A5; BMW DTC 11112</u>	DME, internal fault, HDEV output-stage module 1: SPI communication implausible
<u>DTC P16A5; BMW DTC 11113</u>	DME, internal fault, HDEV output-stage module 2: SPI communication implausible
<u>DTC P16A5; BMW DTC 11114</u>	DME, internal fault, HDEV output-stage module 1: SPI communication, signal error
<u>DTC P16A5; BMW DTC 11115</u>	DME, internal fault, HDEV output-stage module 2: SPI communication, signal error
<u>DTC P0171; BMW DTC 118001</u>	none
<u>DTC P2177; BMW DTC 118001</u>	none
<u>DTC P0172; BMW DTC 118002</u>	none
<u>DTC P2178; BMW DTC 118002</u>	none
<u>DTC P0171; BMW DTC 118401</u>	none
<u>DTC P306D; BMW DTC 118401</u>	none
<u>DTC P0172; BMW DTC 118402</u>	none
<u>DTC P306E; BMW DTC 118402</u>	none
<u>DTC P2097; BMW DTC 118601</u>	Oxygen sensor before catalytic converter, fine mixture control: exhaust gas after catalytic converter too rich
<u>DTC P2096; BMW DTC 118602</u>	Oxygen sensor before catalytic converter, fine mixture control: exhaust gas after catalytic converter too lean
<u>DTC P119D; BMW DTC 118C02</u>	Mixture adaptation, injector ageing: cylinder bank 1: long-term adaptation too high
<u>DTC P2187; BMW DTC 118E01</u>	Mixture adaptation, idle: mixture too lean
<u>DTC P2188; BMW DTC 118E02</u>	Mixture adaptation, idle: mixture too rich
<u>DTC P2177; BMW DTC 118F20</u>	Mixture adaptation, lower speed range: mixture at part load too lean
<u>DTC P2178; BMW DTC 118F21</u>	Mixture adaptation, lower speed range: mixture at part load too rich
<u>DTC P0193; BMW DTC 119001</u>	Rail pressure sensor, electrical: Short circuit to B+
<u>DTC P0192; BMW DTC 119002</u>	Rail-pressure sensor, electric: short circuit to ground
<u>DTC P2542; BMW DTC 119201</u>	Fuel low-pressure sensor, electric: short circuit to positive
<u>DTC P2541; BMW DTC 119202</u>	Fuel low-pressure sensor, electrical: Short to earth
<u>DTC P10CE; BMW DTC 119301</u>	Rail-pressure sensor, voltage test: upper threshold exceeded
<u>DTC P10CF; BMW DTC 119302</u>	Rail-pressure sensor, voltage test: lower threshold undershot
<u>DTC P0088; BMW DTC 119304</u>	Rail pressure sensor, plausibility: Maximum

	pressure exceeded
<u>DTC P0087; BMW DTC 119308</u>	Rail pressure sensor, plausibility: Minimum pressure undershot
<u>DTC P10D9; BMW DTC 119404</u>	Rail pressure sensor, plausibility: Signal frozen
<u>DTC P0088; BMW DTC 11A001</u>	Fuel high-pressure system, fuel pressure: maximum pressure exceeded
<u>DTC P302A; BMW DTC 11A001</u>	Fuel high-pressure system, fuel pressure: maximum pressure exceeded
<u>DTC P0087; BMW DTC 11A002</u>	Fuel high-pressure system, fuel pressure: minimum pressure undershot
<u>DTC P302C; BMW DTC 11A002</u>	Fuel high-pressure system, fuel pressure: minimum pressure undershot
<u>DTC P008B; BMW DTC 11A201</u>	none
<u>DTC P008A; BMW DTC 11A204</u>	none
<u>DTC P10A2; BMW DTC 11A701</u>	none
<u>DTC P10A3; BMW DTC 11A702</u>	none
<u>DTC P306A; BMW DTC 11AA01</u>	Fuel supply system: Pressure too high, emergency operation with low pressure
<u>DTC P306B; BMW DTC 11AA02</u>	Fuel supply system: Pressure too high, emergency operation with injection deactivation
<u>DTC P306C; BMW DTC 11AA04</u>	Fuel supply system: Pressure too high for a short time, engine speed and load are restricted
<u>DTC P15DE; BMW DTC 11AC01</u>	Fuel high-pressure system, cold start: pressure too high
<u>DTC P15DF; BMW DTC 11AC02</u>	Fuel high-pressure system, cold start: pressure too low
<u>DTC P306F; BMW DTC 11AD10</u>	Fuel pressure: Pressure below minimum pressure; injection deactivation for catalytic converter protection
<u>DTC P306D; BMW DTC 11AE01</u>	Fuel supply system, oxygen sensor emissions control: upper limit exceeded
<u>DTC P306E; BMW DTC 11AE02</u>	Fuel supply system, oxygen sensor emissions control: lower limit undershot
<u>DTC P0004; BMW DTC 11C401</u>	Fuel-supply control valve, activation: short circuit to positive
<u>DTC P0003; BMW DTC 11C402</u>	Fuel-supply control valve, activation: short circuit to ground
<u>DTC P0001; BMW DTC 11C404</u>	Fuel-supply control valve, activation: open circuit
<u>DTC P0234; BMW DTC 120208</u>	Charge-air pressure control, upper value: charge-air pressure too high
<u>DTC P0299; BMW DTC 120308</u>	Charge-air pressure control, lower value: charge-air pressure too low
<u>DTC P1260; BMW DTC 120408</u>	Charge-air pressure control, deactivation: charge-air

	pressure buildup disabled
<u>DTC P0238; BMW DTC 121001</u>	Charge-air pressure sensor, electric: short circuit to positive
<u>DTC P0237; BMW DTC 121002</u>	Charge-air pressure sensor, electric: short circuit to ground
<u>DTC P12A9; BMW DTC 121201</u>	none
<u>DTC P12A8; BMW DTC 121202</u>	none
<u>DTC P0236; BMW DTC 121521</u>	Charging pressure sensor, multiple fault: electrical and plausibility
<u>DTC P0234; BMW DTC 121530</u>	Charge-air pressure sensor, plausibility: pressure before throttle valve too high
<u>DTC P12A0; BMW DTC 121530</u>	Charge-air pressure sensor, plausibility: pressure before throttle valve too high
<u>DTC P0299; BMW DTC 121531</u>	Charge-air pressure sensor, plausibility: pressure before throttle valve too low
<u>DTC P12A1; BMW DTC 121531</u>	Charge-air pressure sensor, plausibility: pressure before throttle valve too low
<u>DTC P10F2; BMW DTC 121532</u>	Boost pressure sensor, plausibility: Pressure before throttle valve too high when engine not running
<u>DTC P12DA; BMW DTC 121532</u>	Boost pressure sensor, plausibility: Pressure before throttle valve too high when engine not running
<u>DTC P10F3; BMW DTC 121533</u>	Boost pressure sensor, plausibility: Pressure before throttle valve too low when engine not running
<u>DTC P12DB; BMW DTC 121533</u>	Boost pressure sensor, plausibility: Pressure before throttle valve too low when engine not running
<u>DTC P0234; BMW DTC 121601</u>	Charge-air pressure sensor: pressure too high
<u>DTC P12A9; BMW DTC 121601</u>	Charge-air pressure sensor: pressure too high
<u>DTC P0299; BMW DTC 121602</u>	Charge-air pressure sensor: pressure too low
<u>DTC P12A8; BMW DTC 121602</u>	Charge-air pressure sensor: pressure too low
<u>DTC P0035; BMW DTC 122001</u>	Bypass blow-off valve, activation: short circuit to positive
<u>DTC P0034; BMW DTC 122002</u>	Bypass blow-off valve, activation: short circuit to ground
<u>DTC P0033; BMW DTC 122004</u>	Bypass blow-off valve, activation: open circuit
<u>DTC P0246; BMW DTC 123001</u>	Wastegate, activation: short circuit to positive
<u>DTC P0245; BMW DTC 123002</u>	Wastegate, activation: short circuit to ground
<u>DTC P0243; BMW DTC 123004</u>	Wastegate, activation: open circuit
<u>DTC P2195; BMW DTC 128101</u>	Oxygen sensor before catalytic converter, system check: Signal fixed at lean
<u>DTC P2196; BMW DTC 128301</u>	Oxygen sensor before catalytic converter, system check: Signal fixed at grease
<u>DTC P2297; BMW DTC 128501</u>	Oxygen sensor before catalytic converter, in coasting/overrun mode: Signal outside limit value

<u>DTC P0133; BMW DTC 128901</u>	Oxygen sensor before catalytic converter, dynamic response: slow response
<u>DTC P2414; BMW DTC 128B01</u>	Oxygen sensor before catalytic converter, installation: sensor not connected
<u>DTC P2243; BMW DTC 128E01</u>	Oxygen sensor before catalytic converter, line fault: open circuit, nearest line
<u>DTC P2626; BMW DTC 128E08</u>	Oxygen sensor before catalytic converter, line fault: open circuit, compensation line
<u>DTC P0132; BMW DTC 129001</u>	Oxygen sensor before catalytic converter, signal lines: Short circuit to B+
<u>DTC P0131; BMW DTC 129002</u>	Oxygen sensor before catalytic converter, signal lines: Short circuit to earth
<u>DTC P3024; BMW DTC 129201</u>	DME, internal fault, oxygen sensor before catalytic converter: initialization fault
<u>DTC P3022; BMW DTC 129202</u>	DME, internal fault, oxygen sensor before catalytic converter: communication fault
<u>DTC P3012; BMW DTC 129A20</u>	DME, internal fault, oxygen sensor before catalytic converter: oxygen-sensor module, signal-circuit adaptation values too high
<u>DTC P3014; BMW DTC 129A21</u>	DME, internal fault, oxygen sensor before catalytic converter: oxygen-sensor module, undervoltage
<u>DTC P2271; BMW DTC 12A101</u>	Oxygen sensor after catalytic converter, system check: signal fixed at rich
<u>DTC P2270; BMW DTC 12A102</u>	Oxygen sensor after catalytic converter, system check: signal fixed at lean
<u>DTC P013A; BMW DTC 12A308</u>	Oxygen sensor after catalytic converter, dynamic response, from rich to lean: slow response
<u>DTC P0138; BMW DTC 12A701</u>	Oxygen sensor after catalytic converter, electrical: Short circuit to B+
<u>DTC P0137; BMW DTC 12A902</u>	Oxygen sensor after catalytic converter, electrical: Short circuit to earth
<u>DTC P0136; BMW DTC 12AB04</u>	Oxygen sensor after catalytic converter, electrical: Line disconnection
<u>DTC P013E; BMW DTC 12AF08</u>	Oxygen sensor after catalytic converter, trailing throttle, from rich to lean: delayed response
<u>DTC P0032; BMW DTC 12B101</u>	Oxygen-sensor heater before catalytic converter, activation: short circuit to positive
<u>DTC P0031; BMW DTC 12B102</u>	Oxygen-sensor heater before catalytic converter, activation: short circuit to ground
<u>DTC P0030; BMW DTC 12B104</u>	Oxygen-sensor heater before catalytic converter, activation: open circuit
<u>DTC P0038; BMW DTC 12B301</u>	Oxygen-sensor heater after catalytic converter, activation: short circuit to positive
<u>DTC P0037; BMW DTC 12B302</u>	Oxygen-sensor heater after catalytic converter,

	activation: short circuit to ground
<u>DTC P0036; BMW DTC 12B304</u>	Oxygen-sensor heater after catalytic converter, activation: open circuit
<u>DTC P102A; BMW DTC 12B505</u>	Oxygen sensor heating before catalytic converter, function: Heater fault
<u>DTC P0141; BMW DTC 12B701</u>	Oxygen-sensor heater after catalytic converter, function: internal resistance too high
<u>DTC P3026; BMW DTC 12BD20</u>	Oxygen-sensor heater before catalytic converter, function: operating temperature not reached
<u>DTC P0135; BMW DTC 12BD21</u>	Oxygen-sensor heater before catalytic converter, function: lack of signal readiness
<u>DTC P3016; BMW DTC 12BD22</u>	Oxygen-sensor heater before catalytic converter, function: internal resistance of signal circuit too highly resistant
<u>DTC P0139; BMW DTC 12BD33</u>	Oxygen sensor after catalytic converter, ageing: voltage threshold not reached
<u>DTC P0138; BMW DTC 12BD40</u>	Oxygen sensor after catalytic converter, electrical: short circuit to positive
<u>DTC P0137; BMW DTC 12BD41</u>	Oxygen sensor after catalytic converter, electrical: intercore short circuit or oxygen sensor contaminated
<u>DTC P0136; BMW DTC 12BD43</u>	Oxygen sensor after catalytic converter, electrical: open circuit
<u>DTC P3018; BMW DTC 12BD50</u>	Oxygen sensor before catalytic converter, pump current line: lambda control value above threshold due to open pump current line
<u>DTC P3020; BMW DTC 12BD51</u>	Oxygen sensor before catalytic converter, pump current line: signal voltage in overrun mode too low due to open pump current line
<u>DTC P2237; BMW DTC 12BD52</u>	Oxygen sensor before catalytic converter, line fault: Open circuit, pump current lead
<u>DTC P2251; BMW DTC 12BD60</u>	Oxygen sensor before catalytic converter, line fault: Open circuit, virtual ground
<u>DTC P0130; BMW DTC 12BD70</u>	Oxygen sensor before catalytic converter, electrical: Nernst-cell resistance or ceramic temperature implausible, line or heater fault
<u>DTC P2097; BMW DTC 12BD90</u>	Oxygen sensor before catalytic converter, plausibility: mixture after catalytic converter too rich
<u>DTC P2096; BMW DTC 12BD91</u>	Oxygen sensor before catalytic converter, plausibility: mixture after catalytic converter too lean
<u>DTC P2195; BMW DTC 12BD92</u>	Oxygen sensor before catalytic converter, plausibility: fixed at lean

<u>DTC P2196; BMW DTC 12BD93</u>	Oxygen sensor before catalytic converter, plausibility: fixed at rich
<u>DTC P2089; BMW DTC 130001</u>	VANOS solenoid valve, inlet, activation: short circuit to positive
<u>DTC P2088; BMW DTC 130002</u>	VANOS solenoid valve, inlet, activation: short circuit to ground
<u>DTC P0010; BMW DTC 130004</u>	VANOS solenoid valve, inlet, activation: open circuit
<u>DTC P13C0; BMW DTC 130104</u>	VANOS, inlet: control fault, camshaft jammed
<u>DTC P0012; BMW DTC 130108</u>	VANOS, inlet: control fault, position not reached
<u>DTC P2091; BMW DTC 130201</u>	VANOS solenoid valve, exhaust, activation: short circuit to positive
<u>DTC P2090; BMW DTC 130202</u>	VANOS solenoid valve, exhaust, activation: short circuit to ground
<u>DTC P0013; BMW DTC 130204</u>	VANOS solenoid valve, exhaust, activation: open circuit
<u>DTC P13C9; BMW DTC 130304</u>	VANOS, exhaust: control fault, camshaft jammed
<u>DTC P0015; BMW DTC 130308</u>	VANOS, exhaust: control fault, position not reached
<u>DTC P0341; BMW DTC 130E11</u>	Inlet-camshaft sensor: signal implausible
<u>DTC P1338; BMW DTC 130E20</u>	Inlet camshaft: offset angle to crankshaft outside tolerance
<u>DTC P0366; BMW DTC 130F11</u>	Exhaust-camshaft sensor: signal implausible
<u>DTC P1339; BMW DTC 130F20</u>	Exhaust camshaft: offset angle to crankshaft outside tolerance
<u>DTC P054B; BMW DTC 131401</u>	VANOS, exhaust, cold start: not controllable
<u>DTC P052B; BMW DTC 131501</u>	VANOS, inlet, cold start: not controllable
<u>DTC P1325; BMW DTC 132408</u>	VANOS, exhaust: camshaft not at locking position at start
<u>DTC P1323; BMW DTC 132508</u>	VANOS, inlet: camshaft not at locking position at start
<u>DTC P10D8; BMW DTC 133101</u>	Valvetronic relay, activation: short circuit to positive
<u>DTC P10D7; BMW DTC 133102</u>	Valvetronic relay, activation: short circuit to ground
<u>DTC P10D6; BMW DTC 133104</u>	Valvetronic relay, activation: open circuit
<u>DTC P1047; BMW DTC 133201</u>	Valvetronic servomotor, activation: short circuit to positive
<u>DTC P1048; BMW DTC 133202</u>	Valvetronic servomotor, activation: short circuit to ground
<u>DTC P1050; BMW DTC 133208</u>	Valvetronic servomotor, activation: open circuit
<u>DTC P10DF; BMW DTC 133304</u>	none
<u>DTC P1030; BMW DTC 133B04</u>	none
<u>DTC P10E8; BMW DTC 134A02</u>	none
<u>DTC P101A; BMW DTC 134F02</u>	Valvetronic, adjustment range: stop not learned

<u>DTC P1023; BMW DTC 134F04</u>	Valvetronic, adjustment range: error, range check
<u>DTC P1023; BMW DTC 134F08</u>	Valvetronic, adjustment range: range check, deviation from original learning
<u>DTC P10DF; BMW DTC 135301</u>	Valvetronic, component protection, output stage: deactivation, system
<u>DTC P10E0; BMW DTC 135302</u>	Valvetronic, component protection, servomotor: deactivation, system
<u>DTC P10E7; BMW DTC 135401</u>	Valvetronic, overload protection: output stage overloaded
<u>DTC P10E8; BMW DTC 135402</u>	Valvetronic, overload protection: servomotor overloaded
<u>DTC P1030; BMW DTC 135604</u>	Valvetronic system: control deviation too great
<u>DTC P10E1; BMW DTC 135608</u>	Valvetronic system: no movement detected
<u>DTC P10E2; BMW DTC 135808</u>	Valvetronic servomotor, position sensors: Short-circuit or line break (open circuit)
<u>DTC P10E6; BMW DTC 135908</u>	Valvetronic servomotor, position sensors: Supply voltage faulty
<u>DTC P1017; BMW DTC 135A08</u>	Valvetronic servomotor, position sensors: Signal implausible
<u>DTC P10F4; BMW DTC 135B10</u>	Valvetronic servomotor, activation, voltage phase: Line disconnection
<u>DTC P10F5; BMW DTC 135B11</u>	Valvetronic servomotor, activation, volt phase: Line disconnection
<u>DTC P10F6; BMW DTC 135B12</u>	Valvetronic servomotor, activation, watt phase: Line disconnection
<u>DTC P0478; BMW DTC 138101</u>	Exhaust flap, activation: short circuit to positive
<u>DTC P0477; BMW DTC 138102</u>	Exhaust flap, activation: short circuit to ground
<u>DTC P0475; BMW DTC 138104</u>	Exhaust flap, activation: open circuit
<u>DTC P303E; BMW DTC 138201</u>	Radiator shutter, top, supply voltage, actuator: voltage fault
<u>DTC P303F; BMW DTC 138301</u>	Radiator shutter, top, overtemperature, actuator: limit value exceeded
<u>DTC P304A; BMW DTC 138401</u>	Radiator shutter, top, actuator internal: electrical fault
<u>DTC P304B; BMW DTC 138501</u>	Radiator shutter, top, lower stop: not detected
<u>DTC P304C; BMW DTC 138601</u>	Radiator shutter, top, upper stop: not detected
<u>DTC P304D; BMW DTC 138701</u>	Radiator shutter, top, upper stop: detected too early
<u>DTC P300D; BMW DTC 138901</u>	Radiator shutter, bottom, electrical: Short circuit to B+
<u>DTC P300E; BMW DTC 138902</u>	Radiator shutter, bottom, electrical: Short circuit to earth
<u>DTC P300F; BMW DTC 138904</u>	Radiator shutter, bottom, electrical: Line disconnection

2011 BMW 535xi

DTC INDEX N55

<u>DTC P0300; BMW DTC 140001</u>	Misfire, several cylinders: injection is cut out
<u>DTC P0300; BMW DTC 140002</u>	Misfire, several cylinders: damaging exhaust gas after starting
<u>DTC P0300; BMW DTC 140004</u>	Misfire, several cylinders: damaging exhaust gas
<u>DTC P0301; BMW DTC 140101</u>	Combustion misfiring, cylinder 1: Injection is switched off
<u>DTC P0301; BMW DTC 140102</u>	Combustion misfiring, cylinder 1: damaging exhaust gas after start sequence
<u>DTC P0301; BMW DTC 140104</u>	Combustion misfiring, cylinder 1: damaging exhaust gas
<u>DTC P0302; BMW DTC 140201</u>	Misfire, cylinder 2: injection is cut out
<u>DTC P0302; BMW DTC 140202</u>	Misfire, cylinder 2: damaging exhaust gas after starting
<u>DTC P0302; BMW DTC 140204</u>	Misfire, cylinder 2: damaging exhaust gas
<u>DTC P0303; BMW DTC 140301</u>	Misfire, cylinder 3: injection is cut out
<u>DTC P0303; BMW DTC 140302</u>	Misfire, cylinder 3: damaging exhaust gas after starting
<u>DTC P0303; BMW DTC 140304</u>	Misfire, cylinder 3: damaging exhaust gas
<u>DTC P0304; BMW DTC 140401</u>	Misfire, cylinder 4: injection is cut out
<u>DTC P0304; BMW DTC 140402</u>	Misfire, cylinder 4: damaging exhaust gas after starting
<u>DTC P0304; BMW DTC 140404</u>	Misfire, cylinder 4: damaging exhaust gas
<u>DTC P0305; BMW DTC 140501</u>	Misfire, cylinder 5: injection is cut out
<u>DTC P0305; BMW DTC 140502</u>	Misfire, cylinder 5: damaging exhaust gas after starting
<u>DTC P0305; BMW DTC 140504</u>	Misfire, cylinder 5: damaging exhaust gas
<u>DTC P0306; BMW DTC 140601</u>	Misfire, cylinder 6: injection is cut out
<u>DTC P0306; BMW DTC 140602</u>	Misfire, cylinder 6: damaging exhaust gas after starting
<u>DTC P0306; BMW DTC 140604</u>	Misfire, cylinder 6: damaging exhaust gas
<u>DTC P1301; BMW DTC 150102</u>	Ignition, cylinder 1: combustion duration too short
<u>DTC P1302; BMW DTC 150202</u>	Ignition, cylinder 2: combustion duration too short
<u>DTC P1303; BMW DTC 150302</u>	Ignition, cylinder 3: combustion duration too short
<u>DTC P1304; BMW DTC 150402</u>	Ignition, cylinder 4: combustion duration too short
<u>DTC P1305; BMW DTC 150502</u>	Ignition, cylinder 5: combustion duration too short
<u>DTC P1306; BMW DTC 150602</u>	Ignition, cylinder 6: combustion duration too short
<u>DTC P050B; BMW DTC 151001</u>	Ignition timing adjustment in idle, cold start Ignition timing too early
<u>DTC P13EA; BMW DTC 151101</u>	Ignition timing adjustment at partial load, cold start Ignition timing too early
<u>DTC P13A0; BMW DTC 152108</u>	Super-knocking, cylinder 1: Injection switch-off
<u>DTC P13A1; BMW DTC 152208</u>	Super-knocking, cylinder 2: Injection switch-off

<u>DTC P13A2; BMW DTC 152308</u>	Super-knocking, cylinder 3: Injection switch-off
<u>DTC P13A3; BMW DTC 152408</u>	Super-knocking, cylinder 4: Injection switch-off
<u>DTC P13A4; BMW DTC 152508</u>	Super-knocking, cylinder 5: Injection switch-off
<u>DTC P13A5; BMW DTC 152608</u>	Super-knocking, cylinder 6: Injection switch-off
<u>DTC P137F; BMW DTC 152D08</u>	Super-knocking: Injection switch-off
<u>DTC P0335; BMW DTC 160001</u>	Crankshaft sensor, signal: no signal
<u>DTC P0336; BMW DTC 160020</u>	Crankshaft sensor: disturbed crankshaft signal
<u>DTC P13CE; BMW DTC 160510</u>	Crankshaft sensor, parked position: Not plausible
<u>DTC P0343; BMW DTC 164020</u>	Inlet-camshaft sensor: signal high
<u>DTC P0342; BMW DTC 164021</u>	Inlet-camshaft sensor: signal low
<u>DTC P0368; BMW DTC 164030</u>	Exhaust-camshaft sensor: signal high
<u>DTC P0367; BMW DTC 164031</u>	Exhaust-camshaft sensor: signal low
<u>DTC P13CA; BMW DTC 164040</u>	Inlet camshaft, mechanism: installation faulty
<u>DTC P13CB; BMW DTC 164041</u>	Exhaust camshaft, mechanism: installation faulty
<u>DTC P0324; BMW DTC 168A20</u>	Knock control, fault check: malfunction, system fault
<u>DTC P13AF; BMW DTC 168A30</u>	Knock sensor, electrical: signal input A, short circuit to positive
<u>DTC P13AE; BMW DTC 168A31</u>	Knock sensor, electrical: signal input A, short circuit to ground
<u>DTC P13B9; BMW DTC 168A40</u>	Knock sensor, electrical: signal input B, short circuit to positive
<u>DTC P13B8; BMW DTC 168A41</u>	Knock sensor, electrical: signal input B, short circuit to ground
<u>DTC P13BF; BMW DTC 168A50</u>	Knock sensor 2, electrical: signal input A, short circuit to positive
<u>DTC P13BE; BMW DTC 168A51</u>	Knock sensor 2, electrical: signal input A, short circuit to ground
<u>DTC P13C8; BMW DTC 168A60</u>	Knock sensor 2, electrical: signal input B, short circuit to positive
<u>DTC P13C7; BMW DTC 168A61</u>	Knock sensor 2, electrical: signal input B, short circuit to ground
<u>DTC P0328; BMW DTC 168A70</u>	Knock sensor, signal: engine mechanically too loud or KS outside tolerance (sensitivity)
<u>DTC P0327; BMW DTC 168A71</u>	Knock sensor, signal: electrical fault KS (loose contact) or KS loose
<u>DTC P1328; BMW DTC 168A80</u>	Knock sensor 2, signal: engine mechanically too loud or KS outside tolerance (sensitivity)
<u>DTC P1327; BMW DTC 168A81</u>	Knock sensor 2, signal: electrical fault KS (loose contact) or KS loose
<u>DTC P0420; BMW DTC 180001</u>	Catalytic converter: efficiency below limit value
<u>DTC P2420; BMW DTC 190001</u>	DMTL solenoid valve, activation: short circuit to positive

<u>DTC P2419; BMW DTC 190002</u>	DMTL solenoid valve, activation: short circuit to ground
<u>DTC P2418; BMW DTC 190004</u>	DMTL solenoid valve, activation: open circuit
<u>DTC P0442; BMW DTC 190201</u>	Fuel tank ventilation system and purge air system, minor leak: Leak greater than 1.0 mm
<u>DTC P0456; BMW DTC 190302</u>	Fuel tank ventilation system and purge air system, micro-leak: Leak greater than 0.5 mm
<u>DTC P1449; BMW DTC 190401</u>	DMTL, system fault: pump current too high during reference measurement
<u>DTC P1448; BMW DTC 190402</u>	DMTL, system fault: pump current too low during reference measurement
<u>DTC P1434; BMW DTC 190404</u>	DMTL, system fault: abort due to current fluctuations during reference measurement
<u>DTC P1447; BMW DTC 190408</u>	DMTL, system fault: pump current reaches limit value during valve test
<u>DTC P240C; BMW DTC 190501</u>	DMTL, heating, activation: short circuit to positive
<u>DTC P240B; BMW DTC 190502</u>	DMTL, heating, activation: short circuit to ground
<u>DTC P240A; BMW DTC 190504</u>	DMTL, heating, activation: open circuit
<u>DTC P2402; BMW DTC 190601</u>	DMTL leak diagnosis pump, activation: Short circuit to B+
<u>DTC P2401; BMW DTC 190702</u>	DMTL leak diagnosis pump, activation: Short to earth
<u>DTC P2400; BMW DTC 190704</u>	DMTL leak diagnosis pump, activation: Open circuit
<u>DTC P0459; BMW DTC 191001</u>	Tank-venting valve, activation: short circuit to positive
<u>DTC P0458; BMW DTC 191002</u>	Tank-venting valve, activation: short circuit to ground
<u>DTC P0444; BMW DTC 191004</u>	Tank-venting valve, activation: open circuit
<u>DTC P2421; BMW DTC 191A21</u>	Tank-venting valve: jammed open
<u>DTC P149C; BMW DTC 191B01</u>	Tank safety valve shut-off valve, activation: Short circuit to B+
<u>DTC P149B; BMW DTC 191B02</u>	Tank safety valve shut-off valve, activation: Short circuit to earth
<u>DTC P149A; BMW DTC 191B04</u>	Tank safety valve shut-off valve, activation: Line disconnection
<u>DTC P149D; 191C01</u>	Tank safety valve shut-off valve: jammed open
<u>DTC P0440; BMW DTC 191C02</u>	Tank safety valve: malfunction
<u>DTC P143F; BMW DTC 191C03</u>	Tank safety valve, after-run: malfunction
<u>DTC P0440; BMW DTC 191D01</u>	Tank safety valve: malfunction
<u>DTC P0462; BMW DTC 193002</u>	Fuel level sensor, left, signal: Short to earth
<u>DTC P1407; BMW DTC 193008</u>	Fuel level sensor, left, signal: CAN value implausible

<u>DTC P2068; BMW DTC 193011</u>	Fuel level sensor, right, signal: Short circuit to B+
<u>DTC P2067; BMW DTC 193102</u>	Fuel level sensor, right, signal: Short to earth
<u>DTC P1408; BMW DTC 193108</u>	Fuel level sensor, right, signal: CAN value implausible
<u>DTC P0463; BMW DTC 193111</u>	Fuel level sensor, left, signal: Short circuit to B+
<u>DTC P144B; BMW DTC 193221</u>	Fuel level sensor: Deviation between consumption and fill-level change
<u>DTC P0692; BMW DTC 1A2001</u>	Electric fan, activation: short circuit to positive
<u>DTC P0691; BMW DTC 1A2002</u>	Electric fan, activation: short circuit to ground
<u>DTC P0480; BMW DTC 1A2004</u>	Electric fan, activation: open circuit
<u>DTC P14C0; BMW DTC 1A2108</u>	Electric fan, self-diagnosis, stage 1: minor fan fault
<u>DTC P14C0; BMW DTC 1A2308</u>	Electric fan, self-diagnosis, stage 2: fan fault with potential danger to fan
<u>DTC P14C0; BMW DTC 1A2408</u>	Electric fan, self-diagnosis, stage 3: fan fault with restricted motor function
<u>DTC P14C0; BMW DTC 1A2508</u>	Electric fan, self-diagnosis, stage 4: serious fan fault
<u>DTC P144E; BMW DTC 1A2601</u>	Fuse relay, electric fan, activation: short circuit to positive
<u>DTC P144D; BMW DTC 1A2602</u>	Fuse relay, electric fan, activation: short circuit to ground
<u>DTC P144C; BMW DTC 1A2604</u>	Fuse relay, electric fan, activation: open circuit
<u>DTC P1518; BMW DTC 1B0A20</u>	Poor-road-surface detection: wheel speed too high
<u>DTC P1517; BMW DTC 1B0A21</u>	Poor-road-surface detection: no wheel-speed signal received
<u>DTC P0503; BMW DTC 1B0A40</u>	Vehicle speed: signal too high
<u>DTC P152A; BMW DTC 1B0A60</u>	Vehicle speed, plausibility: minimum speed under load not reached
<u>DTC P152B; BMW DTC 1B0A61</u>	Vehicle speed, plausibility: minimum speed in overrun mode not reached
<u>DTC P0501; BMW DTC 1B0A62</u>	Vehicle speed, plausibility: implausible speed signal
<u>DTC P15DC; BMW DTC 1B0A64</u>	Vehicle speed, wheel sensor rear/left, plausibility: signal implausible
<u>DTC P15DA; BMW DTC 1B0A65</u>	Vehicle speed, wheel sensor front/left, plausibility: signal implausible
<u>DTC P15DD; BMW DTC 1B0A66</u>	Vehicle speed, wheel sensor rear/right, plausibility: signal implausible
<u>DTC P15DB; BMW DTC 1B0A67</u>	Vehicle speed, wheel sensor front/right, plausibility: signal implausible
<u>DTC P1667; BMW DTC 1B2002</u>	EWS anti-tampering protection: no starting value programmed
<u>DTC P16CF; BMW DTC 1B2008</u>	EWS anti-tampering protection: expected response implausible
<u>DTC P165A; BMW DTC 1B2101</u>	Interface EWS-DME: hardware fault

<u>DTC P1660; BMW DTC 1B2102</u>	Interface EWS-DME: frame fault
<u>DTC P1661; BMW DTC 1B2104</u>	Interface EWS-DME: timeout
<u>DTC P165C; BMW DTC 1B2201</u>	DME, internal fault, EWS data: no available memory possibility
<u>DTC P165D; BMW DTC 1B2202</u>	DME, internal fault, EWS data: fault-activation-code storage
<u>DTC P165E; BMW DTC 1B2208</u>	DME, internal fault, EWS data: checksum fault
<u>DTC U1166; BMW DTC 1B2302</u>	Message, EWS-DME, incorrect: frame fault
<u>DTC U0167; BMW DTC 1B2304</u>	Message, EWS-DME, incorrect: timeout
<u>DTC P15B0; BMW DTC 1B5101</u>	Terminal 15_3, line from CAS, electrical: short circuit to positive
<u>DTC P15B1; BMW DTC 1B5102</u>	Terminal 15_3, line from CAS, electrical: short circuit to ground or open circuit
<u>DTC P15D9; BMW DTC 1B5202</u>	Terminal 15N_1, power supply switched by CAS, electrical: Short to earth or open circuit
<u>DTC P15ED; BMW DTC 1B5302</u>	Terminal 15N_2, power supply switched by CAS, electrical: Short to earth or open circuit
<u>DTC P15F8; BMW DTC 1B5402</u>	Terminal 15N_3, power supply switched by CAS, electrical: Short to earth or open circuit
<u>DTC P0571; BMW DTC 1B6008</u>	Brake-light switch, plausibility: signal implausible
<u>DTC P15E8; BMW DTC 1B9508</u>	Engine switch-off time, plausibility: time too short in correlation to engine-coolant cooling
<u>DTC P15E9; BMW DTC 1B9608</u>	Engine switch-off time, plausibility: time too long in correlation to engine-coolant cooling
<u>DTC P15FA; BMW DTC 1B9701</u>	Engine switch-off time: too fast during engine operation
<u>DTC P15FB; BMW DTC 1B9702</u>	Engine switch-off time: too slow during engine operation
<u>DTC P15FE; BMW DTC 1B9804</u>	Engine switch-off time, signal: no signal
<u>DTC P15FC; BMW DTC 1B9A01</u>	Engine switch-off time: too fast during run-on
<u>DTC P15FD; BMW DTC 1B9A02</u>	Engine switch-off time: too slow during run-on
<u>DTC P159E; BMW DTC 1C0001</u>	Engine-oil pressure control, dynamic: pressure fluctuations
<u>DTC P159F; BMW DTC 1C0101</u>	Engine-oil pressure control, static: engine-oil pressure too high, limp-home operation
<u>DTC P15A0; BMW DTC 1C0102</u>	Engine-oil pressure control, static: engine-oil pressure too low, limp-home operation
<u>DTC P15EC; BMW DTC 1C0201</u>	Oil-pressure regulating valve, activation: short circuit to positive
<u>DTC P15EB; BMW DTC 1C0202</u>	Oil-pressure regulating valve, activation: short circuit to ground
<u>DTC P15EA; BMW DTC 1C0204</u>	Oil-pressure regulating valve, activation: open circuit

<u>DTC P15A1; BMW DTC 1C0301</u>	Oil-pressure regulating valve, mechanical: sticks in fully energized position (minimum oil pressure)
<u>DTC P15A2; BMW DTC 1C0302</u>	Oil-pressure regulating valve, mechanical: sticks in non-energized position (maximum oil pressure)
<u>DTC P15A3; BMW DTC 1C2001</u>	Oil pump, mechanical: oil pressure too high
<u>DTC P0524; BMW DTC 1C2002</u>	Oil pump, mechanical: oil pressure too low
<u>DTC P0523; BMW DTC 1C3001</u>	Engine-oil pressure sensor, electric: short circuit to positive
<u>DTC P0522; BMW DTC 1C3002</u>	Engine oil pressure sensor, electrical: Short to earth
<u>DTC P0521; BMW DTC 1C3108</u>	Engine-oil pressure sensor, plausibility: signal hangs
<u>DTC P250F; BMW DTC 1C4002</u>	Engine-oil level: too low
<u>DTC P252A; BMW DTC 1C4110</u>	Oil-condition sensor, electrical: malfunction
<u>DTC P1587; BMW DTC 1C4111</u>	Oil-condition sensor, plausibility: level implausible
<u>DTC P1586; BMW DTC 1C4112</u>	Oil-condition sensor, plausibility: temperature implausible
<u>DTC P1587; BMW DTC 1C4113</u>	Oil-condition sensor, plausibility: level implausible
<u>DTC P1586; BMW DTC 1C4115</u>	Oil-condition sensor, plausibility: temperature implausible
<u>DTC P1587; BMW DTC 1C4116</u>	Oil-condition sensor, electrical: level, malfunction
<u>DTC P1588; BMW DTC 1C4117</u>	Oil-condition sensor, electrical: permittivity, malfunction
<u>DTC P1586; BMW DTC 1C4118</u>	Oil-condition sensor, electrical: temperature, malfunction
<u>DTC P0195; BMW DTC 1C4119</u>	Engine-oil temperature sensor, electrical: malfunction
<u>DTC P0196; BMW DTC 1C4120</u>	Engine-oil temperature sensor, plausibility: temperature implausible
<u>DTC P1521; BMW DTC 1C5A20</u>	BSD message from oil-condition sensor: no message
<u>DTC P0128; BMW DTC 1D2008</u>	Map thermostat, mechanical: jammed open
<u>DTC P0599; BMW DTC 1D2401</u>	Map thermostat, activation: short circuit to positive
<u>DTC P0598; BMW DTC 1D2402</u>	Map thermostat, activation: short circuit to ground
<u>DTC P0597; BMW DTC 1D2404</u>	Map thermostat, activation: open circuit
<u>DTC P0507; BMW DTC 1E0001</u>	Idle-speed control: speed too high
<u>DTC P0506; BMW DTC 1E0002</u>	Idle-speed control: speed too low
<u>DTC P1562; BMW DTC 1E0101</u>	Idle-speed control, cold start: engine speed too high
<u>DTC P1561; BMW DTC 1E0102</u>	Idle-speed control, cold start: engine speed too low
<u>DTC P10E3; BMW DTC 1F0514</u>	Valvetronic relay, supply voltage: Short to earth
<u>DTC P10E4; BMW DTC 1F0515</u>	Valvetronic relay, supply voltage: Open circuit
<u>DTC P326A; BMW DTC 1F0516</u>	DME, internal fault, electric accelerator pedal monitoring: A/D converter idling test pulse check

<u>DTC P326A; BMW DTC 1F0517</u>	DME, internal fault, electric accelerator pedal monitoring: AD converter, test voltage check
<u>DTC P326B; BMW DTC 1F0518</u>	DME, internal fault, electric accelerator pedal monitoring: Air quantity adjustment
<u>DTC P060D; BMW DTC 1F0519</u>	DME, internal fault: monitoring, signal plausibilization, accelerator-pedal module or pedal-travel sensor
<u>DTC P325C; BMW DTC 1F0520</u>	DME, internal fault, electric accelerator pedal monitoring: Speed sensor
<u>DTC P3237; BMW DTC 1F0521</u>	DME, internal fault: monitoring, plausibilization of mixture-correction factors
<u>DTC P325D; BMW DTC 1F0522</u>	DME, internal fault: monitoring, injection-rate limitation, level 1
<u>DTC P325D; BMW DTC 1F0523</u>	DME, internal fault: monitoring, injection-rate limitation, level 2
<u>DTC P3337; BMW DTC 1F0524</u>	DME, internal fault: Monitoring of the nominal oxygen sensor value
<u>DTC P325F; BMW DTC 1F0525</u>	DME, internal fault: monitoring, plausibilization of relative fuel mass
<u>DTC P061B; BMW DTC 1F0526</u>	DME, internal fault: monitoring, torque comparison
<u>DTC P326C; BMW DTC 1F0527</u>	DME, internal fault, electric accelerator pedal monitoring: Drive train transmission ratio implausible
<u>DTC P3235; BMW DTC 1F0528</u>	DME, internal fault: monitoring, variant coding
<u>DTC P325E; BMW DTC 1F0529</u>	DME, internal fault, electric accelerator pedal monitoring: Ignition-timing monitoring
<u>DTC P326D; BMW DTC 1F0530</u>	DME, internal fault: Switch-off path test by monitoring module
<u>DTC P325F; BMW DTC 1F0531</u>	DME, internal fault: Plausibility monitoring, fuel mass
<u>DTC P1646; BMW DTC 1F0532</u>	DME, internal fault, monitoring MSC communication Malfunction in module R2S2/1
<u>DTC P1646; BMW DTC 1F0533</u>	DME, internal fault, monitoring MSC communication Malfunction in module R2S2/2
<u>DTC P10E5; BMW DTC 1F0904</u>	DME, internal fault, activation Valvetronic: malfunction
<u>DTC P062F; BMW DTC 1F1A50</u>	DME, internal fault: erase EEPROM faulty
<u>DTC P062F; BMW DTC 1F1A52</u>	DME, internal fault: write EEPROM faulty
<u>DTC P060A; BMW DTC 1F1A60</u>	DME, internal fault: monitoring-module fault
<u>DTC P16EA; BMW DTC 1F1A80</u>	DME, internal fault, watchdog output: malfunction
<u>DTC P16EB; BMW DTC 1F1A81</u>	DME, internal fault, watchdog output: faulty question/answer communication
<u>DTC P16EC; BMW DTC 1F1A82</u>	DME, internal fault, watchdog output: overvoltage detection

<u>DTC P16E7; BMW DTC 1F1A90</u>	DME, internal fault, monitoring 5V sensor supply: voltage outside valid range
<u>DTC P16E8; BMW DTC 1F1A91</u>	DME, internal fault, monitoring 5V sensor supply 2: voltage outside valid range
<u>DTC P16E9; BMW DTC 1F1A92</u>	DME, internal fault, monitoring 5V sensor supply 3: voltage outside valid range
<u>DTC P0617; BMW DTC 1F1B40</u>	Starter, activation: short circuit to positive
<u>DTC P0616; BMW DTC 1F1B41</u>	Starter, activation: short circuit to ground
<u>DTC P0615; BMW DTC 1F1B42</u>	Starter, activation: open circuit
<u>DTC P0687; BMW DTC 1F1B50</u>	System voltage, DME master relay: voltage too high
<u>DTC P3288; BMW DTC 1F2104</u>	Incorrect data record: CAN timeout
<u>DTC P3289; BMW DTC 1F2108</u>	Incorrect data record: Variant monitoring
<u>DTC P0634; BMW DTC 1F5020</u>	DME, internal fault, interior-temperature sensor: value too high
<u>DTC P163A; BMW DTC 1F5021</u>	DME, internal fault, interior-temperature sensor: value too low
<u>DTC P0634; BMW DTC 1F5101</u>	DME temperature: Overtemperature
<u>DTC P10DC; BMW DTC 201010</u>	CAN hardware: Faulty
<u>DTC P10DD; BMW DTC 201020</u>	FlexRay hardware: Faulty
<u>DTC P15D0; BMW DTC 20A701</u>	Coolant pump, speed deviation: outside tolerance
<u>DTC P15D1; BMW DTC 20A801</u>	Coolant pump, deactivation: internal temperature too high
<u>DTC P15D2; BMW DTC 20A802</u>	Coolant pump, shutdown: Overvoltage detected
<u>DTC P15D3; BMW DTC 20A804</u>	Coolant pump, shutdown: Pump blocked
<u>DTC P15D4; BMW DTC 20A901</u>	Coolant pump, operation with reduced output: Dry running detected
<u>DTC P15D5; BMW DTC 20A902</u>	Coolant pump, operation with reduced output: Undervoltage detected
<u>DTC P15D6; BMW DTC 20A904</u>	Coolant pump, power-reduced operation: temperature limit 1 exceeded
<u>DTC P15D7; BMW DTC 20A908</u>	Coolant pump, power-reduced operation: temperature limit 2 exceeded
<u>DTC U1170; BMW DTC 20AA04</u>	Coolant pump, communication: malfunction
<u>DTC P0620; BMW DTC 210201</u>	Alternator, electric: malfunction
<u>DTC P325A; BMW DTC 210301</u>	Alternator, plausibility, electric: calculated
<u>DTC P0A3B; BMW DTC 210401</u>	Alternator, temperature: overtemperature
<u>DTC P324C; BMW DTC 210501</u>	Alternator, plausibility, temperature: overtemperature calculated
<u>DTC P3223; BMW DTC 210601</u>	Alternator, mechanical: malfunction
<u>DTC P324E; BMW DTC 210701</u>	Alternator, regulator: model incorrect
<u>DTC P324A; BMW DTC 210801</u>	Alternator, model incorrect
<u>DTC P160C; BMW DTC 213301</u>	Power management: Overvoltage

<u>DTC P160D; BMW DTC 213401</u>	Power management: Undervoltage
<u>DTC P160A; BMW DTC 213501</u>	Power management: Exhaustive battery charge
<u>DTC P160F; BMW DTC 213604</u>	Power management: Closed-circuit current fault
<u>DTC P160E; BMW DTC 213701</u>	Power management: Ripple in system voltage too high
<u>DTC P0563; BMW DTC 213A20</u>	System voltage: voltage too high
<u>DTC P0562; BMW DTC 213A21</u>	System voltage: voltage too low
<u>DTC P0560; BMW DTC 213A22</u>	System voltage: analogue-digital converter faulty
<u>DTC P150A; BMW DTC 215001</u>	Intelligent battery sensor, signal: bus fault
<u>DTC P150D; BMW DTC 215101</u>	Intelligent battery sensor (IBS): Internal temperature measurement implausible
<u>DTC P150E; BMW DTC 215104</u>	Intelligent battery sensor (IBS): Internal voltage measurement implausible
<u>DTC P150F; BMW DTC 215108</u>	Intelligent battery sensor (IBS): Internal current measurement implausible
<u>DTC P15CE; BMW DTC 215801</u>	Intelligent battery sensor (IBS): Wake-up line, short circuit to B+ or earth
<u>DTC P15CF; BMW DTC 215901</u>	Intelligent battery sensor (IBS): Incorrect version
<u>DTC P15C3; BMW DTC 215A01</u>	Intelligent battery sensor (IBS): Wake-up line, line disconnection
<u>DTC P0A16; BMW DTC 219001</u>	Active engine mount, electric: short circuit to positive
<u>DTC P0A15; BMW DTC 219002</u>	Active engine mount, electric: short circuit to ground
<u>DTC P0A14; BMW DTC 219004</u>	Active engine mount, electric: open circuit
<u>DTC U1190; BMW DTC 231F04</u>	Electronic transmission control (EGS), PT-CAN, PT-CAN2: Communication fault
<u>DTC U1169; BMW DTC 233004</u>	No message (OBD sensor, diagnosis, status, 0x5E0, 0x8C), receiver DME, IHKA, transmitter KOMBI
<u>DTC U1185; BMW DTC CD840A</u>	DME/DDE PT-CAN: Communication fault
<u>DTC U119E; BMW DTC CD8420</u>	DME/DDE FlexRay bus: Communication fault
<u>DTC U1184; BMW DTC CD8486</u>	DME/DDE PT-CAN2: Communication fault
<u>DTC U1117; BMW DTC CD9902</u>	Message (vehicle speed, 55.3.4) not current, receiver DME/DDE, transmitter ICM
<u>DTC U1118; BMW DTC CD9904</u>	No message (vehicle speed, 55.3.4), receiver DME/DDE, transmitter IC
<u>DTC U1119; BMW DTC CD9908</u>	Message (vehicle speed, 55.3.4) checksum error, receiver DME/DDE, transmitter ICM
<u>DTC U11C6; BMW DTC CD9932</u>	Message (yaw rate, vehicle, 38.0.2) alive check
<u>DTC U0123; BMW DTC CD9933</u>	No message (yaw rate, vehicle, 38.0.2)
<u>DTC U11C7; BMW DTC CD9934</u>	Message (yaw rate, vehicle, 38.0.2) checksum error
<u>DTC U0122; BMW DTC CD9935</u>	No message (data, driving dynamics sensor, extended, 38.0.2)

<u>DTC U1197; BMW DTC CD9A02</u>	Message (actual braking torque, sum, 43.3.4) not current, receiver DME/DDE, transmitter DSC
<u>DTC U1198; BMW DTC CD9A04</u>	No message (actual braking torque, sum, 43.3.4), receiver DME/DDE, transmitter DSC
<u>DTC U1199; BMW DTC CD9A08</u>	Message (actual braking torque, sum, 43.3.4) checksum error, receiver DME/DDE, transmitter DSC
<u>DTC U1195; BMW DTC CD9B02</u>	Message (actual wheel speed, 46.0.1) not current, receiver DME/DDE, transmitter DSC
<u>DTC U116D; BMW DTC CD9B04</u>	No message (actual wheel speed, 46.0.1), receiver DME/DDE, transmitter DSC
<u>DTC U1196; BMW DTC CD9B08</u>	Message (actual wheel speed, 46.0.1) checksum error, receiver DME/DDE, transmitter DSC
<u>DTC U1125; BMW DTC CD9F02</u>	Message (Dynamic Stability Control stabilization, 47.1.2) not current, receiver DME/DDE, transmitter DSC
<u>DTC U1126; BMW DTC CD9F04</u>	No message (Dynamic Stability Control stabilization, 47.1.2), receiver DME/DDE, transmitter DSC
<u>DTC U1127; BMW DTC CD9F08</u>	Message (Dynamic Stability Control stabilization, 47.1.2) checksum error, receiver DME/DDE, transmitter DSC
<u>DTC U1101; BMW DTC CDA804</u>	No message (relative time, 0x328), receiver DME/DDE, transmitter KOMBI
<u>DTC U0137; BMW DTC CDA904</u>	No message (status, trailer, 0x2E4), receiver DME/DDE, transmitter AH
<u>DTC U1129; BMW DTC CDAB04</u>	No message (reverse gear, 0x3B0), receiver DME/DDE, transmitter FRM, FEM
<u>DTC U11A5; BMW DTC CDAC04</u>	No message (status, transmission control unit, 0x39A), receiver DME/DDE, transmitter EGS
<u>DTC U112D; BMW DTC CDAD04</u>	No message (control, crash shutdown, electric fuel pump, 0x135), receiver DME/DDE, transmitter ACSM
<u>DTC U113C; BMW DTC CDAE04</u>	No message (time display, 0x2F8), receiver DME/DDE, transmitter KOMB
<u>DTC U113A; BMW DTC CDAF04</u>	No message (central locking and lid status, 0x2FC), receiver DME/DDE, transmitter CAS, FEM
<u>DTC U119B; BMW DTC CDB204</u>	No message (ambient temperature, 0x2CA), receiver DME/DDE, transmitter KOMBI
<u>DTC U111C; BMW DTC CDB504</u>	No message (kilometer reading / range, 0x330), receiver DME/DDE, transmitter KOMBI
<u>DTC U111D; BMW DTC CDB602</u>	Message (terminals, 0x12F) not current, receiver DME/DDE, transmitter CAS
<u>DTC U111E; BMW DTC CDB604</u>	No message (terminals, 0x12F), receiver

2011 BMW 535xi

DTC INDEX N55

	DME/DDE, transmitter CAS, FEM
<u>DTC U111F; BMW DTC CDB608</u>	Message (terminals, 0x12F) checksum error, receiver DME/DDE, transmitter CAS
<u>DTC U11A7; BMW DTC CDB904</u>	No message (diagnosis, OBD gearbox, 0x396), receiver DME/DDE, transmitter DKG, EGS
<u>DTC U11B3; BMW DTC CDBB02</u>	Message (request, torque, crankshaft, gearbox 2, 0xA0) not current, receiver DME/DDE, transmitter DKG, EGS
<u>DTC U11B4; BMW DTC CDBB04</u>	No message (request, torque, crankshaft, gearbox 2, 0xA0), receiver DME/DDE, transmitter DKG, EGS
<u>DTC U11B5; BMW DTC CDBB08</u>	Message (request, torque, crankshaft, gearbox 2, 0xA0) checksum error, receiver DME/DDE, transmitter DKG, EGS
<u>DTC U11A6; BMW DTC CDBF04</u>	No message (status, transmission control unit, 0x39A), receiver DME/DDE, transmitter DKG, EGS
<u>DTC U11A4; BMW DTC CDC004</u>	No message (diagnosis, OBD gearbox, 0x396), receiver DME/DDE, transmitter DKG, EGS
<u>DTC U11A1; BMW DTC CDC102</u>	Message (data, transmission line, 0x1AF) not current, receiver DME/DDE, transmitter DKG, EGS
<u>DTC U11A2; BMW DTC CDC104</u>	No message (data, transmission line, 0x1AF), receiver DME/DDE, transmitter DKG, EGS
<u>DTC U11A3; BMW DTC CDC108</u>	Message (data, transmission line, 0x1AF) checksum error, receiver DME/DDE, transmitter DKG, EGS
<u>DTC U11AD; BMW DTC CDC202</u>	Message (request, torque, crankshaft, EGS, 0x0B0) not current, receiver DME/DDE, transmitter DKG, EGS
<u>DTC U11AE; BMW DTC CDC204</u>	No message (request, torque, crankshaft, EGS, 0x0B0), receiver DME/DDE, transmitter DKG, EGS
<u>DTC U11AF; BMW DTC CDC208</u>	Message (request, torque, crankshaft, EGS, 0x0B0) checksum error, receiver DME/DDE, transmitter DKG, EGS
<u>DTC U1128; BMW DTC CDC304</u>	No message (status, electric fuel pump, 335), receiver DME/DDE, transmitter EKP