

2012 Audi S4

DTC INDEX DTC Index - Engine Code(s): CCBA (Sedan)

DTC INDEX**DTC Index - Engine Code(s): CCBA (Sedan)****DIAGNOSTIC TROUBLE CODES (DTC) INDEX****DIAGNOSTIC TROUBLE CODES (DTC) INDEX**

SAE Code	VAG Code	Code Description	Corrective Action
P000A	-	Intake (A) Camshaft Position Response check Bank 1 Bank 2	-- Check the Camshaft Adjustment Valve 1 -N205-. Refer to <u>CAMSHAFT ADJUSTMENT VALVE 1, CHECKING</u> .
P000C	-	Intake (A) Camshaft Position Response check Bank 1 Bank 2	-- Check the Camshaft Adjustment Valve 1 -N205-. Refer to <u>CAMSHAFT ADJUSTMENT VALVE 1, CHECKING</u> .
P00A2	-	Intake Air Temperature Sensor after intercooler 2 short to ground	-- Check the Intake Air Temperature (IAT) Sensor -G42- Refer to <u>MANIFOLD ABSOLUTE PRESSURE SENSOR AND INTAKE AIR TEMPERATURE SENSOR, CHECKING</u>
P00A3	-	Intake Air Temperature Sensor after intercooler 2 open circuit	-- Check the Intake Air Temperature (IAT) Sensor -G42- Refer to <u>MANIFOLD ABSOLUTE PRESSURE SENSOR AND INTAKE AIR TEMPERATURE SENSOR, CHECKING</u>
P007C	-	Intake Air Temperature Sensor after intercooler 1	-- Check the Intake Air Temperature (IAT) Sensor -G42- Refer to <u>MANIFOLD ABSOLUTE PRESSURE SENSOR AND INTAKE AIR TEMPERATURE SENSOR, CHECKING</u>
P007D	-	Intake Air Temperature Sensor after intercooler 1	-- Check the Intake Air Temperature (IAT) Sensor -G42- Refer to <u>MANIFOLD ABSOLUTE PRESSURE SENSOR AND INTAKE AIR TEMPERATURE SENSOR, CHECKING</u>
P008A	-	Fuel Pressure Sensor (LP) out of range low	-- Check the Fuel Pressure Sensor -G247-. Refer to <u>FUEL PRESSURE SENSOR, CHECKING</u>
P008B	-	Fuel Pressure Sensor (LP) out of range high	-- Check the Fuel Pressure Sensor -G247-. Refer to <u>FUEL PRESSURE SENSOR,</u>

2012 Audi S4

DTC INDEX DTC Index - Engine Code(s): CCBA (Sedan)

			<u>CHECKING</u>
P0010	16394	Intake (A) Camshaft Position Actuator Circuit / Open (Bank 1)	-- Check the Camshaft Adjustment Valve 1 -N205-. Refer to <u>CAMSHAFT ADJUSTMENT VALVE 1, CHECKING</u> .
P0011	16395	Intake (A) Camshaft Position Timing - Over-Advanced (Bank 1)	-- Check the Camshaft Adjustment Valve 1 -N205-. Refer to <u>CAMSHAFT ADJUSTMENT VALVE 1, CHECKING</u> .
P0016	16400	Crankshaft Position - Camshaft Position Correlation Bank 1 Bank 2	-- Check the Camshaft Position (CMP) Sensor -G40-. Refer to <u>CAMSHAFT POSITION SENSOR, CHECKING</u> .
P0018	16402	Crankshaft Position - Camshaft Position Correlation Bank 1 Bank 2	-- Check the Camshaft Position (CMP) Sensor -G40-. Refer to <u>CAMSHAFT POSITION SENSOR, CHECKING</u> .
P0020	16404	Intake (A) Camshaft Position Actuator Circuit / Open (Bank 1)	-- Check the Camshaft Adjustment Valve 1 -N205-. Refer to <u>CAMSHAFT ADJUSTMENT VALVE 1, CHECKING</u> .
P0021	16405	Intake (A) Camshaft Position Timing - Over-Advanced (Bank 1)	-- Check the Camshaft Adjustment Valve 1 -N205-. Refer to <u>CAMSHAFT ADJUSTMENT VALVE 1, CHECKING</u> .
P025A	-	Fuel Pump Open circuit	-- Check the fuel pump. Refer to <u>FUEL PUMP ELECTRICAL, TESTING</u> .
P025C	-	Fuel Pump Short to ground	-- Check the fuel pump. Refer to <u>FUEL PUMP ELECTRICAL, TESTING</u> .
P025D	-	Fuel Pump Short to B+	-- Check the fuel pump. Refer to <u>FUEL PUMP ELECTRICAL, TESTING</u> .
P0030	16414	HO2S Heater Control Circuit (Bank 1, Sensor 1) Open circuit	-- Check the Oxygen Sensor (O2S) Heater -Z19-. Refer to <u>OXYGEN SENSOR O2S HEATER, CHECKING</u> .
P0031	16415	HO2S Heater Control Circuit Low (Bank 1, Sensor 1) Short to ground	-- Check the Oxygen Sensor (O2S) Heater -Z19-. Refer to <u>OXYGEN SENSOR O2S HEATER, CHECKING</u> .
P0032	16416	HO2S Heater Control Circuit High (Bank 1, Sensor 1) Short to B+	-- Check the Oxygen Sensor (O2S) Heater -Z19-. Refer to <u>OXYGEN SENSOR O2S HEATER, CHECKING</u> .
P0036	16420	HO2S Heater Control Circuit (Bank 1, Sensor 2) open circuit	-- Check the Oxygen Sensor (O2S) Heater -Z29-. Refer to <u>OXYGEN SENSOR O2S HEATER 1 BEHIND CATALYTIC CONVERTER, CHECKING</u> .

2012 Audi S4

DTC INDEX DTC Index - Engine Code(s): CCBA (Sedan)

P0037	16421	HO2S Heater Control Circuit Low (Bank 1, Sensor 2) short to ground	-- Check the Oxygen Sensor (O2S) Heater -Z29-. Refer to <u>OXYGEN SENSOR O2S HEATER 1 BEHIND CATALYTIC CONVERTER, CHECKING</u> .
P0038	16422	HO2S Heater Control Circuit High (Bank 1, Sensor 2) Short to B+	-- Check the Oxygen Sensor (O2S) Heater -Z29-. Refer to <u>OXYGEN SENSOR O2S HEATER 1 BEHIND CATALYTIC CONVERTER, CHECKING</u> .
P0043	16427	HO2S Heater Control Circuit Low (Bank 1, Sensor 2) short to ground	-- Check the Oxygen Sensor (O2S) Heater -Z29-. Refer to <u>OXYGEN SENSOR O2S HEATER 1 BEHIND CATALYTIC CONVERTER, CHECKING</u> .
P0044	16428	HO2S Heater Control Circuit High (Bank 1, Sensor 2) Short to B+	-- Check the Oxygen Sensor (O2S) Heater -Z29-. Refer to <u>OXYGEN SENSOR O2S HEATER 1 BEHIND CATALYTIC CONVERTER, CHECKING</u> .
P0050	16434	HO2S Heater Control Circuit (Bank 1, Sensor 1) Open circuit	-- Check the Oxygen Sensor (O2S) Heater -Z19-. Refer to <u>OXYGEN SENSOR O2S HEATER, CHECKING</u> .
P050A	-	Idle Air Control System RPM Lower Or Higher Than Expected	-- Check the Throttle Valve Control Module -J338-. Refer to <u>THROTTLE VALVE CONTROL MODULE, CHECKING</u> .
P0051	16435	HO2S Heater Control Circuit Low (Bank 1, Sensor 1) Short to ground	-- Check the Oxygen Sensor (O2S) Heater -Z19-. Refer to <u>OXYGEN SENSOR O2S HEATER, CHECKING</u> .
P0052	16436	HO2S Heater Control Circuit High (Bank 1, Sensor 1) Short to B+	-- Check the Oxygen Sensor (O2S) Heater -Z19-. Refer to <u>OXYGEN SENSOR O2S HEATER, CHECKING</u> .
P0056	16440	HO2S Heater Control Circuit (Bank 1, Sensor 2) open circuit	-- Check the Oxygen Sensor (O2S) Heater -Z29-. Refer to <u>OXYGEN SENSOR O2S HEATER 1 BEHIND CATALYTIC CONVERTER, CHECKING</u> .
P0057	16441	HO2S Heater Control Circuit Low (Bank 1, Sensor 2) short to ground	-- Check the Oxygen Sensor (O2S) Heater -Z29-. Refer to <u>OXYGEN SENSOR O2S HEATER 1 BEHIND CATALYTIC CONVERTER, CHECKING</u> .

2012 Audi S4

DTC INDEX DTC Index - Engine Code(s): CCBA (Sedan)

P0058	16442	HO2S Heater Control Circuit High (Bank 1, Sensor 2) Short to B+	-- Check the Oxygen Sensor (O2S) Heater -Z29-. Refer to <u>OXYGEN SENSOR O2S HEATER 1 BEHIND CATALYTIC CONVERTER, CHECKING</u> .
P0068	16452	MAP/MAF - Throttle Position Correlation	-- Check the Manifold Absolute Pressure (MAP) Sensor -G71-. Refer to <u>MANIFOLD ABSOLUTE PRESSURE SENSOR AND INTAKE AIR TEMPERATURE SENSOR, CHECKING</u> .
P0070	-	Ambient Temperature Sensor only S4 short to B+plus	-- Check the Outside Air Temperature Sensor -G17-. Refer to <u>AMBIENT AIR TEMPERATURE SENSOR, CHECKING</u> .
P0071	-	Ambient Temperature Sensor only S4 rationality check	-- Check the Outside Air Temperature Sensor -G17-. Refer to <u>AMBIENT AIR TEMPERATURE SENSOR, CHECKING</u> .
P0072	-	Ambient Temperature Sensor only S4 short to ground	-- Check the Outside Air Temperature Sensor -G17-. Refer to <u>AMBIENT AIR TEMPERATURE SENSOR, CHECKING</u> .
P0087	16471	Fuel Rail/System Pressure - Too Low	-- Check the Fuel Pressure Sensor -G247-. Refer to <u>FUEL PRESSURE SENSOR, CHECKING</u> .
P0088	16472	Fuel Rail/System Pressure - Too High	-- Check the Fuel Pressure Sensor -G247-. Refer to <u>FUEL PRESSURE SENSOR, CHECKING</u> .
P0089	16473	Fuel Pressure Regulator 1 Performance	-- Check the Fuel Pressure Sensor -G247-. Refer to <u>FUEL PRESSURE SENSOR, CHECKING</u> .
P012B	-	Charger inlet pressure rationality check	-- Check the Charge Air Pressure Sensor -G31-. Refer <u>CHARGE AIR PRESSURE SENSOR/INTAKE AIR TEMPERATURE SENSOR, CHECKING</u> .
P012C	-	Charger inlet pressure short to ground	-- Check the Charge Air Pressure Sensor -G31-. Refer <u>CHARGE AIR PRESSURE SENSOR/INTAKE AIR TEMPERATURE SENSOR, CHECKING</u> .
P012D	-	Charger inlet pressure short to B+	-- Check the Charge Air Pressure Sensor -G31-. Refer <u>CHARGE AIR PRESSURE SENSOR/INTAKE AIR TEMPERATURE SENSOR,</u>

2012 Audi S4

DTC INDEX DTC Index - Engine Code(s): CCBA (Sedan)

			<u>CHECKING</u>
P0100	16484	Mass or Volume Air Flow A Circuit	-- Check the Manifold Absolute Pressure (MAP) Sensor -G71-. Refer to <u>MANIFOLD ABSOLUTE PRESSURE SENSOR AND INTAKE AIR TEMPERATURE SENSOR, CHECKING</u> .
P0101	16485	Mass or Volume Air Flow A Circuit Range/Performance	-- Check the Manifold Absolute Pressure (MAP) Sensor -G71-. Refer to <u>MANIFOLD ABSOLUTE PRESSURE SENSOR AND INTAKE AIR TEMPERATURE SENSOR, CHECKING</u> .
P0102	16486	Mass or Volume Air Flow A Circuit Low Input	-- Check the Manifold Absolute Pressure (MAP) Sensor -G71-. Refer to <u>MANIFOLD ABSOLUTE PRESSURE SENSOR AND INTAKE AIR TEMPERATURE SENSOR, CHECKING</u> .
P0103	16487	Mass or Volume Air Flow A Circuit High Input	-- Check the Manifold Absolute Pressure (MAP) Sensor -G71-. Refer to <u>MANIFOLD ABSOLUTE PRESSURE SENSOR AND INTAKE AIR TEMPERATURE SENSOR, CHECKING</u> .
P0106	16490	Manifold Absolute Pressure/BARO Sensor Range/Performance	-- Check the Charge Air Pressure Sensor -G31-. Refer to <u>CHARGE AIR PRESSURE SENSOR/INTAKE AIR TEMPERATURE SENSOR, CHECKING</u> . -- If the Charge Air Pressure Sensor -G31- has no faults, check the altitude sensor co-located within the ECM. -- Check TSB's for related information.
P0111	16495	Intake Air Temperature Sensor 1 Rationality check ULEV only	-- Check the Intake Air Temperature (IAT) Sensor -G42- Refer to <u>MANIFOLD ABSOLUTE PRESSURE SENSOR AND INTAKE AIR TEMPERATURE SENSOR, CHECKING</u> .
P0112	16496	Intake Air Temperature Sensor 1 Circuit Low Input	-- Check the Intake Air Temperature (IAT) Sensor -G42- Refer to <u>MANIFOLD ABSOLUTE PRESSURE SENSOR AND INTAKE AIR TEMPERATURE SENSOR, CHECKING</u> .
P0113	16497	Intake Air Temperature Sensor 1 Circuit	-- Check the Intake Air Temperature

2012 Audi S4

DTC INDEX DTC Index - Engine Code(s): CCBA (Sedan)

		High Input	(IAT) Sensor -G42- Refer to <u>MANIFOLD ABSOLUTE PRESSURE SENSOR AND INTAKE AIR TEMPERATURE SENSOR, CHECKING</u>
P0116	16500	Engine Coolant Temperature Sensor 1 Circuit Range/Performance.	-- Check Engine Coolant Temperature (ECT) Sensor -G62-. Refer to <u>ENGINE COOLANT TEMPERATURE SENSOR, CHECKING</u> . -- Check the coolant regulator. Refer to Engine Mechanical, Fuel Injection and Ignition, Cooling System Components.
P0117	16501	Engine Coolant Temperature Sensor 1 Circuit Low Input	-- Check Engine Coolant Temperature (ECT) Sensor -G62-. Refer to <u>ENGINE COOLANT TEMPERATURE SENSOR, CHECKING</u> . -- Check the coolant regulator. Refer to Engine Mechanical, Fuel Injection and Ignition, Cooling System Components.
P0118	16502	Engine Coolant Temperature Sensor 1 Circuit Open	-- Check Engine Coolant Temperature (ECT) Sensor -G62-. Refer to <u>ENGINE COOLANT TEMPERATURE SENSOR, CHECKING</u> . -- Check the coolant regulator. Refer to Engine Mechanical, Fuel Injection and Ignition, Cooling System Components.
P0121	16505	Throttle/Pedal Position Sensor A Circuit Range/Performance	-- Check the Throttle Position (TP) Sensor -G79- /Accelerator Pedal Position Sensor 2 -G185-. Refer to <u>THROTTLE POSITION SENSOR/ACCELERATOR PEDAL POSITION SENSOR 2, CHECKING</u> .
P0122	16506	Throttle/Pedal Position Sensor A Circuit Low Input	-- Check the Throttle Position (TP) Sensor -G79- /Accelerator Pedal Position Sensor 2 -G185-. Refer to <u>THROTTLE POSITION SENSOR/ACCELERATOR PEDAL POSITION SENSOR 2, CHECKING</u> .
P0123	16507	Throttle/Pedal Position Sensor A Circuit High Input	-- Check the Throttle Position (TP) Sensor -G79- /Accelerator Pedal Position Sensor 2 -G185-. Refer to <u>THROTTLE POSITION SENSOR/ACCELERATOR PEDAL POSITION SENSOR 2, CHECKING</u> .
P0130	16514	O2 Sensor Circuit (Bank 1, Sensor 1)	-- Check the Heated Oxygen Sensor (HO2S) -G39-. Refer to <u>HEATED OXYGEN SENSOR HO2S,</u>

2012 Audi S4

DTC INDEX DTC Index - Engine Code(s): CCBA (Sedan)

			<u>CHECKING .</u>
P0131	16515	O2 Sensor Circuit, Bank 1 Bank 2 Low Voltage	-- Check the Heated Oxygen Sensor (HO2S) -G39-. Refer to <u>HEATED OXYGEN SENSOR HO2S, CHECKING .</u>
P0132	16516	O2 Sensor Circuit, Bank 1 Bank 2 High Voltage	-- Check the Heated Oxygen Sensor (HO2S) -G39-. Refer to <u>HEATED OXYGEN SENSOR HO2S, CHECKING .</u>
P0133	16517	O2 Circuit Slow Response (Bank 1, Bank 2)	-- Check the Heated Oxygen Sensor (HO2S) -G39-. Refer to <u>HEATED OXYGEN SENSOR HO2S, CHECKING .</u>
P0135	16519	O2 Heater Circuit (Bank 1, Sensor 1)	-- Check the Oxygen Sensor (O2S) Heater -Z19-. Refer to <u>OXYGEN SENSOR O2S HEATER, CHECKING .</u>
P0136	16520	O2 Circuit (Bank 1, Sensor 2)	-- Check the Oxygen Sensor (O2S) Behind Three Way Catalytic Converter (TWC) -G130-. Refer to <u>OXYGEN SENSOR O2S BEHIND THREE WAY CATALYTIC CONVERTER, CHECKING .</u>
P0137	16521	O2 Circuit Low Voltage (Bank 1, Sensor 2)	-- Check the Oxygen Sensor (O2S) Behind Three Way Catalytic Converter (TWC) -G130-. Refer to <u>OXYGEN SENSOR O2S BEHIND THREE WAY CATALYTIC CONVERTER, CHECKING .</u>
P0138	16522	O2 Circuit High Voltage (Bank 1, Sensor 2)	-- Check the Oxygen Sensor (O2S) Behind Three Way Catalytic Converter (TWC) -G130-. Refer to <u>OXYGEN SENSOR O2S BEHIND THREE WAY CATALYTIC CONVERTER, CHECKING .</u>
P0139	16523	O2 Circuit Slow Response (Bank 1, Sensor 2)	-- Check the Oxygen Sensor (O2S) Behind Three Way Catalytic Converter (TWC) -G130-. Refer to <u>OXYGEN SENSOR O2S BEHIND THREE WAY CATALYTIC CONVERTER, CHECKING .</u>
P0140	16524	O2 Circuit No Activity Detected (Bank 1, Sensor 2)	-- Check the Oxygen Sensor (O2S) Behind Three Way Catalytic Converter (TWC) -G130-. Refer to <u>OXYGEN SENSOR O2S BEHIND THREE WAY CATALYTIC CONVERTER, CHECKING .</u>

2012 Audi S4

DTC INDEX DTC Index - Engine Code(s): CCBA (Sedan)

			<u>CHECKING .</u>
P0141	16525	O2 Heater Circuit (Bank 1, Sensor 2) out of range	-- Check the Oxygen Sensor (O2S) Heater -Z29-. Refer to <u>OXYGEN SENSOR O2S HEATER 1 BEHIND CATALYTIC CONVERTER, CHECKING .</u>
P0145	16529	O2 Circuit Slow Response (Bank 1, Sensor 2)	-- Check the Oxygen Sensor (O2S) Behind Three Way Catalytic Converter (TWC) -G130-. Refer to <u>OXYGEN SENSOR O2S BEHIND THREE WAY CATALYTIC CONVERTER, CHECKING .</u>
P0150A	-	Engine-Off-Time only S4	Comparing engine off time from instrument cluster control unit with engine after run time
P0151	16535	O2 Sensor Circuit, Bank 1 Bank 2 Low Voltage	-- Check the Heated Oxygen Sensor (HO2S) -G39-. Refer to <u>HEATED OXYGEN SENSOR HO2S, CHECKING .</u>
P0152	16536	O2 Sensor Circuit, Bank 1 Bank 2 High Voltage	-- Check the Heated Oxygen Sensor (HO2S) -G39-. Refer to <u>HEATED OXYGEN SENSOR HO2S, CHECKING .</u>
P0153	16537	O2 Circuit Slow Response (Bank 1, Bank 2)	-- Check the Heated Oxygen Sensor (HO2S) -G39-. Refer to <u>HEATED OXYGEN SENSOR HO2S, CHECKING .</u>
P0155	16539	O2 Heater Circuit (Bank 1, Sensor 1)	-- Check the Oxygen Sensor (O2S) Heater -Z19-. Refer to <u>OXYGEN SENSOR O2S HEATER, CHECKING .</u>
P0156	16540	O2 Circuit (Bank 1, Sensor 2)	-- Check the Oxygen Sensor (O2S) Behind Three Way Catalytic Converter (TWC) -G130-. Refer to <u>OXYGEN SENSOR O2S BEHIND THREE WAY CATALYTIC CONVERTER, CHECKING .</u>
P0157	16541	O2 Circuit Low Voltage (Bank 1, Sensor 2)	-- Check the Oxygen Sensor (O2S) Behind Three Way Catalytic Converter (TWC) -G130-. Refer to <u>OXYGEN SENSOR O2S BEHIND THREE WAY CATALYTIC CONVERTER, CHECKING .</u>
P0158	16542	O2 Circuit High Voltage (Bank 1, Sensor 2)	-- Check the Oxygen Sensor (O2S) Behind Three Way Catalytic Converter (TWC) -G130-. Refer to <u>OXYGEN</u>

2012 Audi S4

DTC INDEX DTC Index - Engine Code(s): CCBA (Sedan)

			<u>SENSOR O2S BEHIND THREE WAY CATALYTIC CONVERTER, CHECKING .</u>
P0159	16543	O2 Circuit Slow Response (Bank 1, Sensor 2)	-- Check the Oxygen Sensor (O2S) Behind Three Way Catalytic Converter (TWC) -G130-. Refer to <u>OXYGEN SENSOR O2S BEHIND THREE WAY CATALYTIC CONVERTER, CHECKING .</u>
P0160	16544	O2 Circuit No Activity Detected (Bank 1, Sensor 2)	-- Check the Oxygen Sensor (O2S) Behind Three Way Catalytic Converter (TWC) -G130-. Refer to <u>OXYGEN SENSOR O2S BEHIND THREE WAY CATALYTIC CONVERTER, CHECKING .</u>
P0161	16545	O2 Heater Circuit (Bank 1, Sensor 2) out of range	-- Check the Oxygen Sensor (O2S) Heater -Z29-. Refer to <u>OXYGEN SENSOR O2S HEATER 1 BEHIND CATALYTIC CONVERTER, CHECKING .</u>
P0171	16555	Fuel System Too Lean, Additive (Bank 1, Bank 2)	-- Check the fuel pressure --. Refer to <u>FUEL PRESSURE TEST .</u> -- Check the Fuel Pressure Sensor -G247-. Refer to <u>FUEL PRESSURE SENSOR, CHECKING .</u> -- Check the Fuel injectors -N30, N31, N32, N33-. Refer to <u>FUEL INJECTORS, CHECKING .</u> -- Check the Heated Oxygen Sensor (HO2S) -G39-. Refer to <u>HEATED OXYGEN SENSOR HO2S, CHECKING .</u> -- Check the Oxygen Sensor (O2S) Behind Three Way Catalytic Converter (TWC) -G130-. Refer to <u>OXYGEN SENSOR O2S BEHIND THREE WAY CATALYTIC CONVERTER, CHECKING .</u> -- Check the Evaporative Emission (EVAP) Canister Purge Regulator Valve -N80-. Refer to <u>EVAPORATIVE PURGE REGULATOR VALVE, CHECKING .</u> -- Check the intake system for leaks (false air). -- Check the vacuum lines for leaks
P0172	16556	System Too Rich-Additive (Bank 1,	-- Check the fuel pressure --. Refer to

2012 Audi S4

DTC INDEX DTC Index - Engine Code(s): CCBA (Sedan)

		Bank 2)	<u>FUEL PRESSURE TEST .</u> -- Check the Fuel Pressure Sensor -G247-. Refer to <u>FUEL PRESSURE SENSOR, CHECKING .</u> -- Check the Fuel injectors -N30, N31, N32, N33-. Refer to <u>FUEL INJECTORS, CHECKING .</u> -- Check the Heated Oxygen Sensor (HO2S) -G39-. Refer to <u>HEATED OXYGEN SENSOR HO2S, CHECKING .</u> -- Check the Oxygen Sensor (O2S) Behind Three Way Catalytic Converter (TWC) -G130-. Refer to <u>OXYGEN SENSOR O2S BEHIND THREE WAY CATALYTIC CONVERTER, CHECKING .</u> -- Check the Evaporative Emission (EVAP) Canister Purge Regulator Valve -N80-. Refer to <u>EVAPORATIVE PURGE REGULATOR VALVE, CHECKING .</u> -- Check the intake system for leaks (false air). -- Check the vacuum lines for leaks
P0174	16558	Fuel System Too Lean, Additive (Bank 1, Bank 2)	-- Check the fuel pressure --. Refer to <u>FUEL PRESSURE TEST .</u> -- Check the Fuel Pressure Sensor -G247-. Refer to <u>FUEL PRESSURE SENSOR, CHECKING .</u> -- Check the Fuel injectors -N30, N31, N32, N33-. Refer to <u>FUEL INJECTORS, CHECKING .</u> -- Check the Heated Oxygen Sensor (HO2S) -G39-. Refer to <u>HEATED OXYGEN SENSOR HO2S, CHECKING .</u> -- Check the Oxygen Sensor (O2S) Behind Three Way Catalytic Converter (TWC) -G130-. Refer to <u>OXYGEN SENSOR O2S BEHIND THREE WAY CATALYTIC CONVERTER, CHECKING .</u> -- Check the Evaporative Emission (EVAP) Canister Purge Regulator Valve -N80-. Refer to <u>EVAPORATIVE PURGE REGULATOR VALVE, CHECKING .</u>

2012 Audi S4

DTC INDEX DTC Index - Engine Code(s): CCBA (Sedan)

			-- Check the intake system for leaks (false air). -- Check the vacuum lines for leaks
P0175	16559	System Too Rich-Additive (Bank 1, Bank 2)	-- Check the fuel pressure --. Refer to <u>FUEL PRESSURE TEST</u> . -- Check the Fuel Pressure Sensor -G247-. Refer to <u>FUEL PRESSURE SENSOR, CHECKING</u> . -- Check the Fuel injectors -N30, N31, N32, N33-. Refer to <u>FUEL INJECTORS, CHECKING</u> . -- Check the Heated Oxygen Sensor (HO2S) -G39-. Refer to <u>HEATED OXYGEN SENSOR HO2S, CHECKING</u> . -- Check the Oxygen Sensor (O2S) Behind Three Way Catalytic Converter (TWC) -G130-. Refer to <u>OXYGEN SENSOR O2S BEHIND THREE WAY CATALYTIC CONVERTER, CHECKING</u> . -- Check the Evaporative Emission (EVAP) Canister Purge Regulator Valve -N80-. Refer to <u>EVAPORATIVE PURGE REGULATOR VALVE, CHECKING</u> . -- Check the intake system for leaks (false air). -- Check the vacuum lines for leaks
P0190	16574	Fuel Rail Pressure Sensor A Circuit	-- Check the Fuel Pressure Sensor -G247-. Refer to <u>FUEL PRESSURE SENSOR, CHECKING</u> .
P0191	16575	Fuel Rail Control Valve, high pressure side	-- Check the Fuel Pressure Sensor -G247-. Refer to <u>FUEL PRESSURE SENSOR, CHECKING</u> .
P0192	16576	Fuel Rail Pressure Sensor A Circuit Low Input	-- Check the Fuel Pressure Sensor -G247-. Refer to <u>FUEL PRESSURE SENSOR, CHECKING</u> .
P0201	16585	Injector Circuit / Open - Cylinder 1	-- Check the Fuel injectors -N30, N31, N32, N33, N83, N84-. Refer to <u>FUEL INJECTORS, CHECKING</u> .
P0202	16586	Injector Circuit / Open - Cylinder 2	-- Check the Fuel injectors -N30, N31, N32, N33, N83, N84-. Refer to <u>FUEL INJECTORS, CHECKING</u> .
P0203	16587	Injector Circuit / Open - Cylinder 3	-- Check the Fuel injectors -N30, N31, N32, N33, N83, N84-. Refer to <u>FUEL INJECTORS, CHECKING</u> .

2012 Audi S4

DTC INDEX DTC Index - Engine Code(s): CCBA (Sedan)

P0204	16588	Injector Circuit / Open - Cylinder 4	-- Check the Fuel injectors -N30, N31, N32, N33, N83, N84-. Refer to <u>FUEL INJECTORS, CHECKING</u> .
P0205	16589	Injector Circuit / Open - Cylinder 5	-- Check the Fuel injectors -N30, N31, N32, N33, N83, N84-. Refer to <u>FUEL INJECTORS, CHECKING</u> .
P0206	16590	Injector Circuit / Open - Cylinder 6	-- Check the Fuel injectors -N30, N31, N32, N33, N83, N84-. Refer to <u>FUEL INJECTORS, CHECKING</u> .
P0221	16605	Throttle/Pedal Position Sensor/Switch B Circuit Range/Performance	-- Check the Throttle Position (TP) Sensor -G79- /Accelerator Pedal Position Sensor 2 -G185-. Refer to <u>THROTTLE POSITION SENSOR/ACCELERATOR PEDAL POSITION SENSOR 2, CHECKING</u> .
P0222	16606	Throttle/Pedal Position Sensor/Switch B Circuit Low Input	-- Check the Throttle Position (TP) Sensor -G79- /Accelerator Pedal Position Sensor 2 -G185-. Refer to <u>THROTTLE POSITION SENSOR/ACCELERATOR PEDAL POSITION SENSOR 2, CHECKING</u> .
P0223	16607	Throttle/Pedal Position Sensor/Switch B Circuit High Input	-- Check the Throttle Position (TP) Sensor -G79- /Accelerator Pedal Position Sensor 2 -G185-. Refer to <u>THROTTLE POSITION SENSOR/ACCELERATOR PEDAL POSITION SENSOR 2, CHECKING</u> .
P0234	16618	Turbocharger/Supercharger Overboost Condition Rationality check high	-- Check the Charge Air Pressure Sensor -G31-. Refer to <u>CHARGE AIR PRESSURE SENSOR/INTAKE AIR TEMPERATURE SENSOR, CHECKING</u> . -- Check the charge air system for proper seal. Refer to <u>Charge Air Cooler</u>
P0235	16619	Boost pressure control	-- Check the Charge Air Pressure Sensor -G31-. Refer to <u>CHARGE AIR PRESSURE SENSOR/INTAKE AIR TEMPERATURE SENSOR, CHECKING</u> . -- Check the charge air system for proper seal. Refer to Engine Mechanical, Fuel Injection and Ignition, Charge Air System
P0236	16620	Turbocharger/Supercharger Boost Sensor A Plausibility check.	-- Check the Charge Air Pressure Sensor -G31-. Refer to <u>CHARGE AIR PRESSURE SENSOR/INTAKE AIR TEMPERATURE SENSOR, CHECKING</u> .

2012 Audi S4

DTC INDEX DTC Index - Engine Code(s): CCBA (Sedan)

			-- Check the charge air system for proper seal. Refer to Engine Mechanical, Fuel Injection and Ignition, Charge Air System
P0237	16621	Turbocharger/Supercharger Boost Sensor A Circuit Low	-- Check the Charge Air Pressure Sensor - G31-. Refer to <u>CHARGE AIR PRESSURE SENSOR/INTAKE AIR TEMPERATURE SENSOR, CHECKING</u> . -- Check the charge air system for proper seal. Refer to appropriate service information.
P0238	16622	Turbocharger/Supercharger Boost Sensor A Circuit High	-- Check the Charge Air Pressure Sensor - G31-. Refer to <u>CHARGE AIR PRESSURE SENSOR/INTAKE AIR TEMPERATURE SENSOR, CHECKING</u> . -- Check the charge air system for proper seal. Refer to appropriate service information.
P0240	16624	Turbocharger/Supercharger Boost Sensor rationality check	-- Check the Charge Air Pressure Sensor - G31-. Refer to <u>CHARGE AIR PRESSURE SENSOR/INTAKE AIR TEMPERATURE SENSOR, CHECKING</u> . -- Check the charge air system for proper seal. Refer to appropriate service information.
P0241	16625	Turbocharger/Supercharger Boost Sensor -short to ground	-- Check the Charge Air Pressure Sensor - G31-. Refer to <u>CHARGE AIR PRESSURE SENSOR/INTAKE AIR TEMPERATURE SENSOR, CHECKING</u> . -- Check the charge air system for proper seal. Refer to appropriate service information.
P0242	16626	Turbocharger/Supercharger Boost Sensor short to B+	-- Check the Charge Air Pressure Sensor - G31-. Refer to <u>CHARGE AIR PRESSURE SENSOR/INTAKE AIR TEMPERATURE SENSOR, CHECKING</u> . -- Check the charge air system for proper seal. Refer to appropriate service information.
P0243	16627	Turbocharger/Supercharger Wastegate Solenoid A	-- Check the Wastegate Bypass Regulator Valve -N75-.
P0245	16629	Turbocharger/Supercharger Wastegate Solenoid A Low	-- Check the Wastegate Bypass Regulator Valve -N75-.

2012 Audi S4

DTC INDEX DTC Index - Engine Code(s): CCBA (Sedan)

P0246	16630	Turbocharger/Supercharger Wastegate Solenoid A High	-- Check the Wastegate Bypass Regulator Valve -N75-.
P0261	16645	Cylinder 1 Injector Circuit short to ground	-- Check the Fuel injectors -N30, N31, N32, N33, N83, N84-. Refer to <u>FUEL INJECTORS, CHECKING</u> .
P0262	16646	Cylinder 1 Injector Circuit short to b+	-- Check the Fuel injectors -N30, N31, N32, N33, N83, N84-. Refer to <u>FUEL INJECTORS, CHECKING</u> .
P0264	16648	Cylinder 2 Injector Circuit short to ground	-- Check the Fuel injectors -N30, N31, N32, N33, N83, N84-. Refer to <u>FUEL INJECTORS, CHECKING</u> .
P0265	16649	Cylinder 2 Injector Circuit short to b+	-- Check the Fuel injectors -N30, N31, N32, N33, N83, N84-. Refer to <u>FUEL INJECTORS, CHECKING</u> .
P0267	16651	Cylinder 3 Injector Circuit short to ground	-- Check the Fuel injectors -N30, N31, N32, N33, N83, N84-. Refer to <u>FUEL INJECTORS, CHECKING</u> .
P0268	16652	Cylinder 3 Injector Circuit short to b+	-- Check the Fuel injectors -N30, N31, N32, N33, N83, N84-. Refer to <u>FUEL INJECTORS, CHECKING</u> .
P0270	16654	Cylinder 4 Injector Circuit short to ground	-- Check the Fuel injectors -N30, N31, N32, N33, N83, N84-. Refer to <u>FUEL INJECTORS, CHECKING</u> .
P0271	16655	Cylinder 4 Injector Circuit short to b+	-- Check the Fuel injectors -N30, N31, N32, N33, N83, N84-. Refer to <u>FUEL INJECTORS, CHECKING</u> .
P0273	16657	Cylinder 5 Injector Circuit short to ground	-- Check the Fuel injectors -N30, N31, N32, N33, N83, N84-. Refer to <u>FUEL INJECTORS, CHECKING</u> .
P0274	16658	Cylinder 5 Injector Circuit short to b+	-- Check the Fuel injectors -N30, N31, N32, N33, N83, N84-. Refer to <u>FUEL INJECTORS, CHECKING</u> .
P0276	16660	Cylinder 6 Injector Circuit short to ground	-- Check the Fuel injectors -N30, N31, N32, N33, N83, N84-. Refer to <u>FUEL INJECTORS, CHECKING</u> .
P0277	16661	Cylinder 6 Injector Circuit short to b+	-- Check the Fuel injectors -N30, N31, N32, N33, N83, N84-. Refer to <u>FUEL INJECTORS, CHECKING</u> .
P0299	16683	Turbocharger/Supercharger Underboost Rationality check low	-- Check the charge air system for proper seal. Refer to <u>Charge Air Cooler</u>
P0300	16684	Random Misfire Detected	-- Check the Spark plugs. -- Check the intake system for leaks. -- Check the fuel pressure. Refer to <u>FUEL PRESSURE TEST</u> . -- Check the Fuel injectors -N30, N31, N32, N33, N83, N84-. Refer to <u>FUEL</u>

2012 Audi S4

DTC INDEX DTC Index - Engine Code(s): CCBA (Sedan)

			<u>INJECTORS, CHECKING</u> . -- Check the Ignition Coils with Power Output Stage -N70, N127, N291, N292, N323, N324-. Refer to <u>IGNITION COIL WITH POWER OUTPUT STAGE, CHECKING</u> .
P0301	16685	Cylinder 1 Misfire Detected	-- Check the Spark plugs. -- Check the intake system for leaks. -- Check the fuel pressure. Refer to <u>FUEL PRESSURE TEST</u> . -- Check the Fuel injectors -N30, N31, N32, N33, N83, N84-. Refer to <u>FUEL INJECTORS, CHECKING</u> . -- Check the Ignition Coils with Power Output Stage -N70, N127, N291, N292, N323, N324-. Refer to <u>IGNITION COIL WITH POWER OUTPUT STAGE, CHECKING</u> .
P0302	16686	Cylinder 2 Misfire Detected	-- Check the Spark plugs. -- Check the intake system for leaks. -- Check the fuel pressure. Refer to <u>FUEL PRESSURE TEST</u> . -- Check the Fuel injectors -N30, N31, N32, N33, N83, N84-. Refer to <u>FUEL INJECTORS, CHECKING</u> . -- Check the Ignition Coils with Power Output Stage -N70, N127, N291, N292, N323, N324-. Refer to <u>IGNITION COIL WITH POWER OUTPUT STAGE, CHECKING</u> .
P0303	16687	Cylinder 3 Misfire Detected	-- Check the Spark plugs. -- Check the intake system for leaks. -- Check the fuel pressure. Refer to <u>FUEL PRESSURE TEST</u> . -- Check the Fuel injectors -N30, N31, N32, N33, N83, N84-. Refer to <u>FUEL INJECTORS, CHECKING</u> . -- Check the Ignition Coils with Power Output Stage -N70, N127, N291, N292, N323, N324-. Refer to <u>IGNITION COIL WITH POWER OUTPUT STAGE, CHECKING</u> .
P0304	16688	Cylinder 4 Misfire Detected	-- Check the Spark plugs. -- Check the intake system for leaks. -- Check the fuel pressure. Refer to <u>FUEL PRESSURE TEST</u> . -- Check the Fuel injectors -N30, N31,

2012 Audi S4

DTC INDEX DTC Index - Engine Code(s): CCBA (Sedan)

			N32, N33, N83, N84-. Refer to <u>FUEL INJECTORS, CHECKING</u> . -- Check the Ignition Coils with Power Output Stage -N70, N127, N291, N292, N323, N324-. Refer to <u>IGNITION COIL WITH POWER OUTPUT STAGE, CHECKING</u> .
P0305	16689	Cylinder 5 Misfire Detected	-- Check the Spark plugs. -- Check the intake system for leaks. -- Check the fuel pressure. Refer to <u>FUEL PRESSURE TEST</u> . -- Check the Fuel injectors -N30, N31, N32, N33, N83, N84-. Refer to <u>FUEL INJECTORS, CHECKING</u> . -- Check the Ignition Coils with Power Output Stage -N70, N127, N291, N292, N323, N324-. Refer to <u>IGNITION COIL WITH POWER OUTPUT STAGE, CHECKING</u> .
P0306	16690	Cylinder 6 Misfire Detected	-- Check the Spark plugs. -- Check the intake system for leaks. -- Check the fuel pressure. Refer to <u>FUEL PRESSURE TEST</u> . -- Check the Fuel injectors -N30, N31, N32, N33, N83, N84-. Refer to <u>FUEL INJECTORS, CHECKING</u> . -- Check the Ignition Coils with Power Output Stage -N70, N127, N291, N292, N323, N324-. Refer to <u>IGNITION COIL WITH POWER OUTPUT STAGE, CHECKING</u> .
P0321	16705	Ignition/Distributor Engine Speed Input Circuit Range/Performance	-- Check the Engine Speed (RPM) Sensor -G28-. Refer to <u>ENGINE SPEED SENSOR, CHECKING</u> .
P0322	16706	Ignition/Distributor Engine Speed Input Circuit No Signal	-- Check the Engine Speed (RPM) Sensor -G28-. Refer to <u>ENGINE SPEED SENSOR, CHECKING</u> .
P0324	16708	Knock Control System Error	-- Check the Knock Sensors -G61, G66-. Refer to <u>KNOCK SENSOR 1, CHECKING</u> or <u>KNOCK SENSOR 2, CHECKING</u> .
P0326	-	Knock Control System	-- Check the Knock Sensor -G61-. Refer to <u>KNOCK SENSOR 1, CHECKING</u> or <u>KNOCK SENSOR 2, CHECKING</u> .
P0327	16711	Knock Sensor 1 Circuit Low Input (Bank 1) Short to ground	-- Check the Knock Sensor -G61-. Refer to <u>KNOCK SENSOR 1, CHECKING</u> or <u>KNOCK SENSOR 2, CHECKING</u> .

2012 Audi S4

DTC INDEX DTC Index - Engine Code(s): CCBA (Sedan)

P0328	16712	Knock Sensor 1 Circuit short to B+	-- Check the Knock Sensor -G61-. Refer to <u>KNOCK SENSOR 1, CHECKING</u> or <u>KNOCK SENSOR 2, CHECKING</u> .
P0331	-	Knock Control System	-- Check the Knock Sensor -G61-. Refer to <u>KNOCK SENSOR 1, CHECKING</u> or <u>KNOCK SENSOR 2, CHECKING</u> .
P0332	16716	Knock Sensor 1 Circuit Low Input (Bank 1) Short to ground	-- Check the Knock Sensor -G61-. Refer to <u>KNOCK SENSOR 1, CHECKING</u> or <u>KNOCK SENSOR 2, CHECKING</u> .
P0333	16717	Knock Sensor 1 Circuit short to B+	-- Check the Knock Sensor -G61-. Refer to <u>KNOCK SENSOR 1, CHECKING</u> or <u>KNOCK SENSOR 2, CHECKING</u> .
P0335	-	Engine speed sensor	-- Check the Engine Speed (RPM) Sensor -G28- Refer to <u>ENGINE SPEED SENSOR, CHECKING</u>
P0335	-	Engine speed sensor S4 only	-- Check the Engine Speed (RPM) Sensor -G28- Refer to <u>ENGINE SPEED SENSOR, CHECKING</u>
P0336	-	Engine speed sensor	-- Check the Engine Speed (RPM) Sensor -G28- Refer to <u>ENGINE SPEED SENSOR, CHECKING</u>
P0336	-	Engine speed sensor S4 only	-- Check the Engine Speed (RPM) Sensor -G28- Refer to <u>ENGINE SPEED SENSOR, CHECKING</u>
P0340	16724	Camshaft Position Sensor A Circuit (Bank 1 or single sensor)	-- Check the Camshaft Position (CMP) Sensor -G40-. Refer to <u>CAMSHAFT POSITION SENSOR, CHECKING</u> .
P0341	16725	Camshaft Position Sensor A Circuit Range/Performance (Bank 1 or single sensor)	-- Check the Camshaft Position (CMP) Sensor -G40-. Refer to <u>CAMSHAFT POSITION SENSOR, CHECKING</u> .
P0342	16726	Camshaft Position Sensor A Circuit Low Input (Bank 1 or single sensor)	-- Check the Camshaft Position (CMP) Sensor -G40-. Refer to <u>CAMSHAFT POSITION SENSOR, CHECKING</u> .
P0343	16727	Camshaft Position Sensor A Circuit High Input (Bank 1 or single sensor)	-- Check the Camshaft Position (CMP) Sensor -G40-. Refer to <u>CAMSHAFT POSITION SENSOR, CHECKING</u> .
P0345	16729	Camshaft Position Sensor A Circuit (Bank 1 or single sensor)	-- Check the Camshaft Position (CMP) Sensor -G40-. Refer to <u>CAMSHAFT POSITION SENSOR, CHECKING</u> .
P0346	16730	Camshaft Position Sensor A Circuit Range/Performance (Bank 1 or single sensor)	-- Check the Camshaft Position (CMP) Sensor -G40-. Refer to <u>CAMSHAFT POSITION SENSOR, CHECKING</u> .
P0351	16735	Ignition Coil A Primary/Secondary Circuit	-- Check the Ignition Coils with Power Output Stage -N70-. Refer to <u>IGNITION COIL WITH POWER OUTPUT STAGE, CHECKING</u> .

2012 Audi S4

DTC INDEX DTC Index - Engine Code(s): CCBA (Sedan)

P0352	16736	Ignition Coil B Primary/Secondary Circuit	-- Check the Ignition Coils with Power Output Stage - N127-. Refer to <u>IGNITION COIL WITH POWER OUTPUT STAGE, CHECKING</u> .
P0353	16737	Ignition Coil C Primary/Secondary Circuit	-- Check the Ignition Coils with Power Output Stage - N291-. Refer to <u>IGNITION COIL WITH POWER OUTPUT STAGE, CHECKING</u> .
P0354	16738	Ignition Coil D Primary/Secondary Circuit	-- Check the Ignition Coils with Power Output Stage -N292-. Refer to <u>IGNITION COIL WITH POWER OUTPUT STAGE, CHECKING</u> .
P0355	16739	Ignition Coil E Primary/Secondary Circuit	-- Check the Ignition Coils with Power Output Stage -N323-. Refer to <u>IGNITION COIL WITH POWER OUTPUT STAGE, CHECKING</u> .
P0356	16740	Ignition Coil F Primary/Secondary Circuit	-- Check the Ignition Coils with Power Output Stage -N324-. Refer to <u>IGNITION COIL WITH POWER OUTPUT STAGE, CHECKING</u> .
P0410	-	rationality check	Check the Secondary Air System. Refer to <u>SECONDARY AIR INJECTION PUMP RELAY, CHECKING OR SECONDARY AIR INJECTION PUMP MOTOR, CHECKING</u>
P0413	16797	open circuit	Check the Secondary Air System. Refer to <u>SECONDARY AIR INJECTION PUMP RELAY, CHECKING OR SECONDARY AIR INJECTION PUMP MOTOR, CHECKING</u>
P0414	16798	Air valve short to ground	Check the Secondary Air System. Refer to <u>SECONDARY AIR INJECTION PUMP RELAY, CHECKING OR SECONDARY AIR INJECTION PUMP MOTOR, CHECKING</u>
P0415	-	short to B+	Check the Secondary Air System. Refer to <u>SECONDARY AIR INJECTION PUMP RELAY, CHECKING OR SECONDARY AIR INJECTION PUMP MOTOR, CHECKING</u>
P0416	-	open circuit	Check the Secondary Air System. Refer to <u>SECONDARY AIR INJECTION PUMP RELAY, CHECKING OR SECONDARY AIR INJECTION PUMP MOTOR, CHECKING</u>
P0417	-	Air valve short to ground	Check the Secondary Air System. Refer

2012 Audi S4

DTC INDEX DTC Index - Engine Code(s): CCBA (Sedan)

			to <u>SECONDARY AIR INJECTION PUMP RELAY, CHECKING OR SECONDARY AIR INJECTION PUMP MOTOR, CHECKING</u>
P0418	16802	Air pump relay. Open circuit.	Check the Secondary Air System. Refer to <u>SECONDARY AIR INJECTION PUMP RELAY, CHECKING OR SECONDARY AIR INJECTION PUMP MOTOR, CHECKING</u>
P0420	16804	Catalyst System Bank 1	-- Check the Heated Oxygen Sensor (HO2S) -G39-. Refer to <u>HEATED OXYGEN SENSOR HO2S, CHECKING</u> . -- Check the Oxygen Sensor (O2S) Behind Three Way Catalytic Converter (TWC) -G130-. Refer to <u>OXYGEN SENSOR O2S BEHIND THREE WAY CATALYTIC CONVERTER, CHECKING</u> . -- Check the Three Way Catalytic Converter (TWC). Refer to <u>CATALYTIC CONVERTER, CHECKING</u> .
P0430	16814	Catalyst System Bank 2	-- Check the Heated Oxygen Sensor (HO2S) -G39-. Refer to <u>HEATED OXYGEN SENSOR HO2S, CHECKING</u> . -- Check the Oxygen Sensor (O2S) Behind Three Way Catalytic Converter (TWC) -G130-. Refer to <u>OXYGEN SENSOR O2S BEHIND THREE WAY CATALYTIC CONVERTER, CHECKING</u> . -- Check the Three Way Catalytic Converter (TWC). Refer to <u>CATALYTIC CONVERTER, CHECKING</u> .
P0441	16825	Evaporative Emission System Incorrect Purge Flow	-- Check the Evaporative Emission (EVAP) Canister Purge Regulator Valve -N80-. Refer to <u>EVAPORATIVE PURGE REGULATOR VALVE, CHECKING</u> . -- Check the Leak Detection Pump (LDP) -V144-. Refer to <u>LEAK DETECTION PUMP, CHECKING</u> .
P0442	16826	Evaporative Emission System Leak Detected (Small Leak)	-- Check the EVAP System, for Leaks. Refer to <u>EVAPORATIVE SYSTEM,</u>

2012 Audi S4

DTC INDEX DTC Index - Engine Code(s): CCBA (Sedan)

			<u>CHECKING FOR LEAKS .</u> -- Check the Evaporative Emission (EVAP) Canister Purge Regulator Valve - N80-. Refer to <u>EVAPORATIVE PURGE REGULATOR VALVE, CHECKING .</u> -- Check the Leak Detection Pump (LDP) -V144-. Refer to <u>LEAK DETECTION PUMP, CHECKING .</u>
P0444	16828	Evaporative Emission System Purge Control Valve Circuit Open	-- Check the Evaporative Emission (EVAP) Canister Purge Regulator Valve - N80-. Refer to <u>EVAPORATIVE PURGE REGULATOR VALVE, CHECKING .</u>
P0445	16829	Evaporative Emission System Purge Control Valve short to ground	-- Check the Evaporative Emission (EVAP) Canister Purge Regulator Valve - N80-. Refer to <u>EVAPORATIVE PURGE REGULATOR VALVE, CHECKING .</u>
P0445	16829	Evaporative Emission System Purge Control Valve short to battery plus	-- Check the Evaporative Emission (EVAP) Canister Purge Regulator Valve - N80-. Refer to <u>EVAPORATIVE PURGE REGULATOR VALVE, CHECKING .</u>
P0455	16839	Evaporative Emission System Leak Detected (gross leak/no flow)	-- Check the EVAP System, for Leaks. Refer to <u>EVAPORATIVE SYSTEM, CHECKING FOR LEAKS .</u> -- Check the Evaporative Emission (EVAP) Canister Purge Regulator Valve - N80-. Refer to <u>EVAPORATIVE PURGE REGULATOR VALVE, CHECKING .</u> -- Check the Leak Detection Pump (LDP) -V144-. Refer to <u>LEAK DETECTION PUMP, CHECKING .</u>
P0456	16840	Evaporative Emission System Leak Detected (very small leak)	-- Check the EVAP System, for Leaks. Refer to <u>EVAPORATIVE SYSTEM, CHECKING FOR LEAKS .</u> -- Check the Evaporative Emission (EVAP) Canister Purge Regulator Valve - N80-. Refer to <u>EVAPORATIVE PURGE REGULATOR VALVE, CHECKING .</u> -- Check the Leak Detection Pump (LDP) -V144-. Refer to <u>LEAK DETECTION PUMP, CHECKING .</u>
P0458	16842	Evaporative Emission System Purge	-- Check the Evaporative Emission

2012 Audi S4

DTC INDEX DTC Index - Engine Code(s): CCBA (Sedan)

		Control Valve Circuit Low	(EVAP) Canister Purge Regulator Valve - N80-. Refer to <u>EVAPORATIVE PURGE REGULATOR VALVE, CHECKING</u> .
P0459	16843	Evaporative Emission System Purge Control Valve Circuit High	-- Check the Evaporative Emission (EVAP) Canister Purge Regulator Valve - N80-. Refer to <u>EVAPORATIVE PURGE REGULATOR VALVE, CHECKING</u> .
P0491	16875	Secondary Air System Insufficient Flow. Bank 1	Check the Secondary Air System. Refer to <u>SECONDARY AIR INJECTION COMBINATION VALVE, CHECKING</u> .
P0492	16876	Secondary Air System Insufficient Flow. Bank 2	Check the Secondary Air System. Refer to <u>SECONDARY AIR INJECTION COMBINATION VALVE, CHECKING</u> .
P0501	16885	Vehicle Speed Sensor A Range/Performance	-- Check vehicle speed signal. Refer to <u>SPEED SIGNAL, CHECKING</u> .
P0503	16887	Vehicle Speed Sensor A Out of range high	-- Check vehicle speed signal. Refer to <u>SPEED SIGNAL, CHECKING</u> .
P0506	16890	Idle Air Control System RPM Lower Than Expected	-- Check the Throttle Valve Control Module -J338-. Refer to <u>THROTTLE VALVE CONTROL MODULE, CHECKING</u> .
P0507	16891	Idle Air Control System RPM Higher Than Expected	-- Check the Throttle Valve Control Module -J338-. Refer to <u>THROTTLE VALVE CONTROL MODULE, CHECKING</u> .
P050A	-	Idle Air Control System RPM Higher Or Lower Than Expected	-- Check the Throttle Valve Control Module -J338-. Refer to <u>THROTTLE VALVE CONTROL MODULE, CHECKING</u> .
P052A	-	Intake (A) Camshaft Position Response check Bank 1 Bank 2	-- Check the Camshaft Adjustment Valve 1 -N205-. Refer to <u>CAMSHAFT ADJUSTMENT VALVE 1, CHECKING</u> .
P052C	-	Intake (A) Camshaft Position Response check Bank 1 Bank 2	-- Check the Camshaft Adjustment Valve 1 -N205-. Refer to <u>CAMSHAFT ADJUSTMENT VALVE 1, CHECKING</u> .
P053F	-	Fuel Rail Pressure Control Valve	-- Check the Fuel Pressure Sensor -G247-. Refer to <u>FUEL PRESSURE SENSOR, CHECKING</u> .
P0601	16985	Internal Control Module Memory Check Sum Error	-- Replace the Motronic Engine Control Module (ECM) -J623-. Refer to

2012 Audi S4

DTC INDEX DTC Index - Engine Code(s): CCBA (Sedan)

			appropriate service information.
P0603	16987	internal hardware check	-- Replace the Motronic Engine Control Module (ECM) -J623-. Refer to appropriate service information.
P0604	16988	Internal Control Module Random Access Memory (RAM) Error	-- Replace the Motronic Engine Control Module (ECM) -J623-. Refer to appropriate service information.
P0605	16989	Internal Control Module Read Only Memory (ROM) Error	-- Replace the Motronic Engine Control Module (ECM) -J623-. Refer to appropriate service information.
P0606	16990	ECM fault	-- Replace the Motronic Engine Control Module (ECM) -J623-. Refer to appropriate service information.
P0627	17011	Fuel Pump "A" Control Circuit /Open	-- Check the fuel pressure --. Refer to <u>FUEL PRESSURE TEST</u> .
P0638	17022	Throttle Actuator Control Range/Performance - Bank 1	-- Check the Throttle Valve Control Module -J338-. Refer to <u>THROTTLE VALVE CONTROL MODULE, CHECKING</u> .
P0641	17025	Sensor Reference Voltage A Circuit/Open	-- Replace the Motronic Engine Control Module (ECM) -J623-. Refer to appropriate service information.
P0642	17026	Sensor Reference Voltage A Circuit Low	-- Replace the Motronic Engine Control Module (ECM) -J623-. Refer to appropriate service information.
P0643	17027	Sensor Reference Voltage A Circuit High	-- Replace the Motronic Engine Control Module (ECM) -J623-. Refer to appropriate service information.
P0651	17035	Sensor Reference Voltage B Circuit/Open	-- Replace the Motronic Engine Control Module (ECM) -J623-. Refer to appropriate service information.
P0652	17036	Sensor Reference Voltage B Circuit Low	-- Replace the Motronic Engine Control Module (ECM) -J623-. Refer to appropriate service information.
P0653	17037	Sensor Reference Voltage B Circuit High	-- Replace the Motronic Engine Control Module (ECM) -J623-. Refer to appropriate service information.
P0657	17041	Actuator Supply Voltage A Circuit / Open	-- Check the Motronic Engine Control Module (ECM) Power Supply Relay - J271-. Refer to <u>VOLTAGE SUPPLY, CHECKING</u> .
P0658	17042	Actuator Supply Voltage A Circuit Low	-- Check the Motronic Engine Control Module (ECM) Power Supply Relay - J271-. Refer to <u>VOLTAGE SUPPLY, CHECKING</u> .

2012 Audi S4

DTC INDEX DTC Index - Engine Code(s): CCBA (Sedan)

P0659	17043	Actuator Supply Voltage "A" Circuit High	-- Check the Motronic Engine Control Module (ECM) Power Supply Relay - J271-. Refer to <u>VOLTAGE SUPPLY, CHECKING</u> .
P0685	17069	ECM/PCM Power Relay Control Circuit/Open	-- Check the Motronic Engine Control Module (ECM) Power Supply Relay - J271-. Refer to <u>VOLTAGE SUPPLY, CHECKING</u> .
P0686	17070	ECM/PCM Power Relay Control Circuit Low	-- Check the Motronic Engine Control Module (ECM) Power Supply Relay - J271-. Refer to <u>VOLTAGE SUPPLY, CHECKING</u> .
P0687	17071	ECM/PCM Power Relay Control Circuit High	-- Check the Motronic Engine Control Module (ECM) Power Supply Relay - J271-. Refer to <u>VOLTAGE SUPPLY, CHECKING</u> .
P0688	17072	ECM/PCM Power Relay Sense Circuit	-- Check the Motronic Engine Control Module (ECM) Power Supply Relay - J271-. Refer to <u>VOLTAGE SUPPLY, CHECKING</u> .
P0697	17081	Sensor Reference Voltage C Circuit / Open	-- Replace the Motronic Engine Control Module (ECM) -J623-. Refer to appropriate service information.
P0698	17082	Sensor Reference Voltage C Circuit Low	-- Replace the Motronic Engine Control Module (ECM) -J623-. Refer to appropriate service information.
P0699	17083	Sensor Reference Voltage C Circuit High	-- Replace the Motronic Engine Control Module (ECM) -J623-. Refer to appropriate service information.
P10A0	-	RFP-Power stage	Check the Fuel Pressure Sensor -G247- Refer to <u>FUEL PRESSURE SENSOR, CHECKING</u>
P10A4	-	RFP-Actuator	Check the Fuel Pressure Sensor -G247- Refer to <u>FUEL PRESSURE SENSOR, CHECKING</u>
P10A5	-	RFP-Sensor	Check the Fuel Pressure Sensor -G247- Refer to <u>FUEL PRESSURE SENSOR, CHECKING</u>
P10A6	-	RFP-Sensor	Check the Fuel Pressure Sensor -G247- Refer to <u>FUEL PRESSURE SENSOR, CHECKING</u>
P1114	17522	Internal resistance too large (Bank 1, sensor 2)	-- Check the Oxygen Sensor (O2S) Behind Three Way Catalytic Converter (TWC) -G130-. Refer to <u>OXYGEN SENSOR O2S BEHIND THREE WAY CATALYTIC CONVERTER,</u>

2012 Audi S4

DTC INDEX DTC Index - Engine Code(s): CCBA (Sedan)

			<u>CHECKING .</u>
P12A1	-	Fuel Rail Pressure Sensor Inappropriately Low	-- Check the Fuel Pressure Sensor -G247-. Refer to <u>FUEL PRESSURE SENSOR, CHECKING .</u>
P12A2	-	Fuel Rail Pressure Sensor Inappropriately High	-- Check the Fuel Pressure Sensor -G247-. Refer to <u>FUEL PRESSURE SENSOR, CHECKING .</u>
P12A4	-	Fuel Rail Pump Control Valve Stuck Closed	-- Check the Fuel Pressure Sensor -G247-. Refer to <u>FUEL PRESSURE SENSOR, CHECKING .</u>
P200A	-	Intake Manifold Runner Control out of range	-- Check the Intake Flap Motor -V157-/Intake Manifold Runner Position Sensor -G336-. Refer to <u>INTAKE MANIFOLD RUNNER POSITION SENSOR, CHECKING .</u>
P200B	-	Intake Manifold Runner Control overtravel	-- Check the Intake Flap Motor -V157-/Intake Manifold Runner Position Sensor -G336-. Refer to <u>INTAKE MANIFOLD RUNNER POSITION SENSOR, CHECKING .</u>
P2004	18436	Intake Manifold Runner Control Stuck Closed Bank 1	-- Check the Intake Flap Motor -V157-/Intake Manifold Runner Position Sensor -G336-. Refer to <u>INTAKE MANIFOLD RUNNER POSITION SENSOR, CHECKING .</u>
P2005	-	Intake Manifold Runner Control Stuck Closed Bank 1	-- Check the Intake Flap Motor -V157-/Intake Manifold Runner Position Sensor -G336-. Refer to <u>INTAKE MANIFOLD RUNNER POSITION SENSOR, CHECKING .</u>
P2006	-	Intake Manifold Runner Control Stuck Open Bank 1	-- Check the Intake Flap Motor -V157-/Intake Manifold Runner Position Sensor -G336-. Refer to <u>INTAKE MANIFOLD RUNNER POSITION SENSOR, CHECKING .</u>
P2007	-	Intake Manifold Runner Control Stuck Open Bank 1	-- Check the Intake Flap Motor -V157-/Intake Manifold Runner Position Sensor -G336-. Refer to <u>INTAKE MANIFOLD RUNNER POSITION SENSOR, CHECKING .</u>
P2008	18440	Intake Manifold Runner Control Circuit/Open Bank 1	-- Check the Intake Flap Motor -V157-/Intake Manifold Runner Position Sensor -G336-. Refer to <u>INTAKE MANIFOLD RUNNER POSITION SENSOR, CHECKING .</u>
P2009	18441	Intake Manifold Runner Control	-- Check the Intake Flap Motor -V157-

2012 Audi S4

DTC INDEX DTC Index - Engine Code(s): CCBA (Sedan)

		Circuit/Shorted Bank 1	/Intake Manifold Runner Position Sensor -G336-. Refer to <u>INTAKE MANIFOLD RUNNER POSITION SENSOR, CHECKING</u> .
P2010	-	Intake Manifold Runner Control Circuit/Shorted to B+ Bank 1	-- Check the Intake Flap Motor -V157-/Intake Manifold Runner Position Sensor -G336-. Refer to <u>INTAKE MANIFOLD RUNNER POSITION SENSOR, CHECKING</u> .
P2014	18446	Intake Manifold Runner Position Sensor/Switch Circuit Bank 1 Short to ground	-- Check the Intake Flap Motor -V157-/Intake Manifold Runner Position Sensor -G336-. Refer to <u>INTAKE MANIFOLD RUNNER POSITION SENSOR, CHECKING</u> .
P2015	18447	Intake Manifold Runner Position Sensor/Switch Circuit Range/Performance Bank 1	-- Check the Intake Flap Motor -V157-/Intake Manifold Runner Position Sensor -G336-. Refer to <u>INTAKE MANIFOLD RUNNER POSITION SENSOR, CHECKING</u> .
P2016	18448	Intake Manifold Runner Position Sensor/Switch Circuit Low (Bank 1)	-- Check the Intake Flap Motor -V157-/Intake Manifold Runner Position Sensor -G336-. Refer to <u>INTAKE MANIFOLD RUNNER POSITION SENSOR, CHECKING</u> .
P2017	18449	Intake Manifold Runner Position Sensor/Switch Circuit Bank 1 Short to B+	-- Check the Intake Flap Motor -V157-/Intake Manifold Runner Position Sensor -G336-. Refer to <u>INTAKE MANIFOLD RUNNER POSITION SENSOR, CHECKING</u> .
P2019	-	Intake Manifold Runner Position Sensor/Switch Circuit Bank 1 Open circuit	-- Check the Intake Flap Motor -V157-/Intake Manifold Runner Position Sensor -G336-. Refer to <u>INTAKE MANIFOLD RUNNER POSITION SENSOR, CHECKING</u> .
P2022	-	Intake Manifold Runner Position Sensor/Switch Circuit Bank 1 Short to B+	-- Check the Intake Flap Motor -V157-/Intake Manifold Runner Position Sensor -G336-. Refer to <u>INTAKE MANIFOLD RUNNER POSITION SENSOR, CHECKING</u> .
P2088	18520	A Camshaft Position Actuator Control Circuit Low Bank 1 short to ground	-- Check the Camshaft Adjustment Valve 1 -N205-. Refer to <u>CAMSHAFT ADJUSTMENT VALVE 1, CHECKING</u> .
P2089	P1912	A Camshaft Position Actuator Control Circuit High Bank 1 short to B+	-- Check the Camshaft Adjustment Valve 1 -N205-. Refer to <u>CAMSHAFT ADJUSTMENT VALVE 1,</u>

2012 Audi S4

DTC INDEX DTC Index - Engine Code(s): CCBA (Sedan)

			<u>CHECKING .</u>
P2092	-	A Camshaft Position Actuator Control Circuit Low Bank 1 short to ground	-- Check the Camshaft Adjustment Valve 1 -N205-. Refer to <u>CAMSHAFT ADJUSTMENT VALVE 1, CHECKING .</u>
P2093	-	A Camshaft Position Actuator Control Circuit High Bank 1 short to B+	-- Check the Camshaft Adjustment Valve 1 -N205-. Refer to <u>CAMSHAFT ADJUSTMENT VALVE 1, CHECKING .</u>
P2096	18528	Post Catalyst Fuel Trim System out of range high Bank 1 Bank 2	-- Check the Heated Oxygen Sensor (HO2S) -G39-. Refer to <u>HEATED OXYGEN SENSOR HO2S, CHECKING .</u> -- Check the Oxygen Sensor (O2S) Behind Three Way Catalytic Converter (TWC) -G130-. Refer to <u>OXYGEN SENSOR O2S BEHIND THREE WAY CATALYTIC CONVERTER, CHECKING .</u>
P2097	18529	Post Catalyst Fuel Trim System out of range low Bank 1 Bank 2	-- Check the Heated Oxygen Sensor (HO2S) -G39-. Refer to <u>HEATED OXYGEN SENSOR HO2S, CHECKING .</u> -- Check the Oxygen Sensor (O2S) Behind Three Way Catalytic Converter (TWC) -G130-. Refer to <u>OXYGEN SENSOR O2S BEHIND THREE WAY CATALYTIC CONVERTER, CHECKING .</u>
P2098	18530	Post Catalyst Fuel Trim System out of range high Bank 1 Bank 2	-- Check the Heated Oxygen Sensor (HO2S) -G39-. Refer to <u>HEATED OXYGEN SENSOR HO2S, CHECKING .</u> -- Check the Oxygen Sensor (O2S) Behind Three Way Catalytic Converter (TWC) -G130-. Refer to <u>OXYGEN SENSOR O2S BEHIND THREE WAY CATALYTIC CONVERTER, CHECKING .</u>
P2099	18531	Post Catalyst Fuel Trim System out of range low Bank 1 Bank 2	-- Check the Heated Oxygen Sensor (HO2S) -G39-. Refer to <u>HEATED OXYGEN SENSOR HO2S, CHECKING .</u> -- Check the Oxygen Sensor (O2S) Behind Three Way Catalytic Converter (TWC) -G130-. Refer to <u>OXYGEN SENSOR O2S BEHIND THREE WAY</u>

2012 Audi S4

DTC INDEX DTC Index - Engine Code(s): CCBA (Sedan)

			<u>CATALYTIC CONVERTER, CHECKING .</u>
P2101	18533	Throttle Actuator Control Motor Circuit Range/Performance	-- Check the Throttle Valve Control Module -J338-. Refer to <u>THROTTLE VALVE CONTROL MODULE, CHECKING .</u>
P2106	18538	Throttle Actuator Control System - short to B+ or ground	-- Check the Throttle Valve Control Module -J338-. Refer to <u>THROTTLE VALVE CONTROL MODULE, CHECKING .</u>
P2122	18554	Throttle/Pedal Position Sensor/Switch D Circuit Low Input	-- Check the Throttle Position (TP) Sensor -G79- /Accelerator Pedal Position Sensor 2 -G185-. Refer to <u>THROTTLE POSITION SENSOR/ACCELERATOR PEDAL POSITION SENSOR 2, CHECKING .</u>
P2123	18555	Throttle/Pedal Position Sensor/Switch D Circuit High Input	-- Check the Throttle Position (TP) Sensor -G79- /Accelerator Pedal Position Sensor 2 -G185-. Refer to <u>THROTTLE POSITION SENSOR/ACCELERATOR PEDAL POSITION SENSOR 2, CHECKING .</u>
P2127	18559	Throttle/Pedal Position Sensor/Switch E Circuit Low Input	-- Check the Throttle Position (TP) Sensor -G79- /Accelerator Pedal Position Sensor 2 -G185-. Refer to <u>THROTTLE POSITION SENSOR/ACCELERATOR PEDAL POSITION SENSOR 2, CHECKING .</u>
P2128	18560	Throttle/Pedal Position Sensor/Switch E Circuit High Input	-- Check the Throttle Position (TP) Sensor -G79- /Accelerator Pedal Position Sensor 2 -G185-. Refer to <u>THROTTLE POSITION SENSOR/ACCELERATOR PEDAL POSITION SENSOR 2, CHECKING .</u>
P2138	18570	Throttle/Pedal Position Sensor/Switch D / E Voltage Correlation	-- Check the Throttle Position (TP) Sensor -G79- /Accelerator Pedal Position Sensor 2 -G185-. Refer to <u>THROTTLE POSITION SENSOR/ACCELERATOR PEDAL POSITION SENSOR 2, CHECKING .</u>
P2146	18578	Fuel Injector Group A Supply Voltage Circuit / short to ground	-- Check the Fuel injectors -N30, N31, N32, N33-. Refer to <u>FUEL INJECTORS, CHECKING .</u>
P2147	-	Injector Circuit short to ground	-- Check the Fuel injectors -N30, N31, N32, N33-. Refer to <u>FUEL INJECTORS, CHECKING .</u>

2012 Audi S4

DTC INDEX DTC Index - Engine Code(s): CCBA (Sedan)

P2148	-	Injector Circuit short to b+	-- Check the Fuel injectors -N30, N31, N32, N33-. Refer to <u>FUEL INJECTORS, CHECKING</u> .
P2149	18581	Fuel Injector Group B Supply Voltage Circuit / Short to ground	-- Check the Fuel injectors -N30, N31, N32, N33-. Refer to <u>FUEL INJECTORS, CHECKING</u> .
P2150	-	Injector Circuit short to ground	-- Check the Fuel injectors -N30, N31, N32, N33-. Refer to <u>FUEL INJECTORS, CHECKING</u> .
P2151	-	Injector Circuit short to b+	-- Check the Fuel injectors -N30, N31, N32, N33-. Refer to <u>FUEL INJECTORS, CHECKING</u> .
P2153	-	Injector Circuit short to ground	-- Check the Fuel injectors -N30, N31, N32, N33-. Refer to <u>FUEL INJECTORS, CHECKING</u> .
P2154	-	Injector Circuit short to b+	-- Check the Fuel injectors -N30, N31, N32, N33-. Refer to <u>FUEL INJECTORS, CHECKING</u> .
P2181	18613	Cooling System Performance	-- Check Engine Coolant Temperature (ECT) Sensor -G62-. Refer to <u>ENGINE COOLANT TEMPERATURE SENSOR, CHECKING</u> . -- Check the Coolant Pump -V50- Refer to the appropriate service information. -- Check the Coolant Thermostat. Refer to the appropriate service information.
P2195	18627	O2 Sensor rationality check high - Bank 1, Bank 2	-- Check the Heated Oxygen Sensor (HO2S) -G39-. Refer to <u>HEATED OXYGEN SENSOR HO2S, CHECKING</u> .
P2196	18628	O2 Sensor rationality check Low- Bank 1, Bank 2	-- Check the Heated Oxygen Sensor (HO2S) -G39-. Refer to <u>HEATED OXYGEN SENSOR HO2S, CHECKING</u> .
P2197	18629	O2 Sensor rationality check high - Bank 1, Bank 2	-- Check the Heated Oxygen Sensor (HO2S) -G39-. Refer to <u>HEATED OXYGEN SENSOR HO2S, CHECKING</u> .
P2198	18630	O2 Sensor rationality check Low- Bank 1, Bank 2	-- Check the Heated Oxygen Sensor (HO2S) -G39-. Refer to <u>HEATED OXYGEN SENSOR HO2S, CHECKING</u> .
P219C	-	Cylinder imbalance	-- Check the Spark plugs. -- Check the intake system for leaks. -- Check the fuel pressure. Refer to <u>FUEL PRESSURE TEST</u> .

2012 Audi S4

DTC INDEX DTC Index - Engine Code(s): CCBA (Sedan)

			-- Check the Fuel injectors -N30, N31, N32, N33, N83, N84-. Refer to <u>FUEL INJECTORS, CHECKING</u> . -- Check the Ignition Coils with Power Output Stage -N70, N127, N291, N292, N323, N324-. Refer to <u>IGNITION COIL WITH POWER OUTPUT STAGE, CHECKING</u> .
P219D	-	Cylinder imbalance	-- Check the Spark plugs. -- Check the intake system for leaks. -- Check the fuel pressure. Refer to <u>FUEL PRESSURE TEST</u> . -- Check the Fuel injectors -N30, N31, N32, N33, N83, N84-. Refer to <u>FUEL INJECTORS, CHECKING</u> . -- Check the Ignition Coils with Power Output Stage -N70, N127, N291, N292, N323, N324-. Refer to <u>IGNITION COIL WITH POWER OUTPUT STAGE, CHECKING</u> .
P219E	-	Cylinder imbalance	-- Check the Spark plugs. -- Check the intake system for leaks. -- Check the fuel pressure. Refer to <u>FUEL PRESSURE TEST</u> . -- Check the Fuel injectors -N30, N31, N32, N33, N83, N84-. Refer to <u>FUEL INJECTORS, CHECKING</u> . -- Check the Ignition Coils with Power Output Stage -N70, N127, N291, N292, N323, N324-. Refer to <u>IGNITION COIL WITH POWER OUTPUT STAGE, CHECKING</u> .
P219F	-	Cylinder imbalance	-- Check the Spark plugs. -- Check the intake system for leaks. -- Check the fuel pressure. Refer to <u>FUEL PRESSURE TEST</u> . -- Check the Fuel injectors -N30, N31, N32, N33, N83, N84-. Refer to <u>FUEL INJECTORS, CHECKING</u> . -- Check the Ignition Coils with Power Output Stage -N70, N127, N291, N292, N323, N324-. Refer to <u>IGNITION COIL WITH POWER OUTPUT STAGE, CHECKING</u> .
P21A0	-	Cylinder imbalance	-- Check the Spark plugs. -- Check the intake system for leaks. -- Check the fuel pressure. Refer to

2012 Audi S4

DTC INDEX DTC Index - Engine Code(s): CCBA (Sedan)

			<u>FUEL PRESSURE TEST .</u> -- Check the Fuel injectors -N30, N31, N32, N33, N83, N84-. Refer to <u>FUEL INJECTORS, CHECKING .</u> -- Check the Ignition Coils with Power Output Stage -N70, N127, N291, N292, N323, N324-. Refer to <u>IGNITION COIL WITH POWER OUTPUT STAGE, CHECKING .</u>
P21A1	-	Cylinder imbalance	-- Check the Spark plugs. -- Check the intake system for leaks. -- Check the fuel pressure. Refer to <u>FUEL PRESSURE TEST .</u> -- Check the Fuel injectors -N30, N31, N32, N33, N83, N84-. Refer to <u>FUEL INJECTORS, CHECKING .</u> -- Check the Ignition Coils with Power Output Stage -N70, N127, N291, N292, N323, N324-. Refer to <u>IGNITION COIL WITH POWER OUTPUT STAGE, CHECKING .</u>
P2227	-	Turbocharger/Supercharger Boost Sensor A Plausibility check.	-- Check the Charge Air Pressure Sensor -G31-. Refer to <u>CHARGE AIR PRESSURE SENSOR/INTAKE AIR TEMPERATURE SENSOR, CHECKING .</u> -- Check the charge air system for proper seal. Refer to appropriate service information.
P2231	18663	O2 Sensor Signal Circuit Shorted to Heater Circuit	-- Check the Oxygen Sensor (O2S) Heater -Z19-. Refer to <u>OXYGEN SENSOR O2S HEATER, CHECKING .</u>
P2237	18669	O2 Sensor Positive Current Control Circuit / Open - Bank 1, Bank 2	-- Check the Heated Oxygen Sensor (HO2S) -G39-. Refer to <u>HEATED OXYGEN SENSOR HO2S, CHECKING .</u>
P2240	18672	O2 Sensor Positive Current Control Circuit / Open - Bank 1, Bank 2	-- Check the Heated Oxygen Sensor (HO2S) -G39-. Refer to <u>HEATED OXYGEN SENSOR HO2S, CHECKING .</u>
P2243	18675	O2 Sensor Reference Voltage Circuit / Open - Bank 1, Bank 2	-- Check the Heated Oxygen Sensor (HO2S) -G39-. Refer to <u>HEATED OXYGEN SENSOR HO2S, CHECKING .</u>
P2247	18679	O2 Sensor Nernst Voltage Open - Bank 1, Bank 2	-- Check the Heated Oxygen Sensor (HO2S) -G39-. Refer to <u>HEATED</u>

2012 Audi S4

DTC INDEX DTC Index - Engine Code(s): CCBA (Sedan)

			<u>OXYGEN SENSOR HO2S, CHECKING .</u>
P2251	18683	O2 Sensor Signal open circuit - Bank 1, Bank 2	-- Check the Heated Oxygen Sensor (HO2S) -G39-. Refer to <u>HEATED OXYGEN SENSOR HO2S, CHECKING .</u>
P2254	18686	O2 Sensor Signal open circuit - Bank 1, Sensor 1	-- Check the Heated Oxygen Sensor (HO2S) -G39-. Refer to <u>HEATED OXYGEN SENSOR HO2S, CHECKING .</u>
P2257	18689	Air pump relay. short to grnd.	Check the Secondary Air System. Refer to <u>SECONDARY AIR INJECTION PUMP RELAY, CHECKING</u>
P2258	18690	Air pump relay. sort to B+.	Check the Secondary Air System. Refer to <u>SECONDARY AIR INJECTION PUMP RELAY, CHECKING</u>
P2270	18702	O2 Circuit Slow Response (Bank 1, Sensor 2 SULEV	-- Check the Oxygen Sensor (O2S) Behind Three Way Catalytic Converter (TWC) -G130-. Refer to <u>OXYGEN SENSOR O2S BEHIND THREE WAY CATALYTIC CONVERTER, CHECKING .</u>
P2271	18703	O2 Circuit (Bank 1, Sensor 2 SULEV	-- Check the Oxygen Sensor (O2S) Behind Three Way Catalytic Converter (TWC) -G130-. Refer to <u>OXYGEN SENSOR O2S BEHIND THREE WAY CATALYTIC CONVERTER, CHECKING .</u>
P2279	18711	Intake air system leak	-- Check the Intake Air Temperature (IAT) Sensor -G42- Refer to <u>MANIFOLD ABSOLUTE PRESSURE SENSOR AND INTAKE AIR TEMPERATURE SENSOR, CHECKING</u>
P2293	18725	Fuel Pressure Regulator 2 Performance	-- Check the Fuel Pressure Sensor -G247-. Refer to <u>FUEL PRESSURE SENSOR, CHECKING .</u>
P2294	18726	Fuel Pressure Regulator 2 Control Circuit open circuit	-- Check the Fuel Pressure Sensor -G247-. Refer to <u>FUEL PRESSURE SENSOR, CHECKING .</u>
P2295	18727	Fuel Pressure Regulator 2 Control Circuit Low short to ground	-- Check the Fuel Pressure Sensor -G247-. Refer to <u>FUEL PRESSURE SENSOR, CHECKING .</u>
P2296	18728	Fuel Pressure Regulator 2 Control Circuit High	-- Check the Fuel Pressure Sensor -G247-. Refer to <u>FUEL PRESSURE SENSOR, CHECKING .</u>

2012 Audi S4

DTC INDEX DTC Index - Engine Code(s): CCBA (Sedan)

P2300	18732	Ignition Coil A Primary Control Circuit Low	-- Check the Ignition Coils with Power Output Stage -N70-. Refer to <u>IGNITION COIL WITH POWER OUTPUT STAGE, CHECKING</u> .
P2301	18733	Ignition Coil A Primary Control Circuit High	-- Check the Ignition Coils with Power Output Stage -N70-. Refer to <u>IGNITION COIL WITH POWER OUTPUT STAGE, CHECKING</u> .
P2303	18735	Ignition Coil B Primary Control Circuit Low	-- Check the Ignition Coils with Power Output Stage - N127-. Refer to <u>IGNITION COIL WITH POWER OUTPUT STAGE, CHECKING</u> .
P2304	18736	Ignition Coil B Primary Control Circuit High	-- Check the Ignition Coils with Power Output Stage - N127-. Refer to <u>IGNITION COIL WITH POWER OUTPUT STAGE, CHECKING</u> .
P2306	18738	Ignition Coil C Primary Control Circuit Low	-- Check the Ignition Coils with Power Output Stage -N291-. Refer to <u>IGNITION COIL WITH POWER OUTPUT STAGE, CHECKING</u> .
P2307	18739	Ignition Coil C Primary Control Circuit High	-- Check the Ignition Coils with Power Output Stage -N291-. Refer to <u>IGNITION COIL WITH POWER OUTPUT STAGE, CHECKING</u> .
P2309	18741	Ignition Coil D Primary Control Circuit Low	-- Check the Ignition Coils with Power Output Stage -N292-. Refer to <u>IGNITION COIL WITH POWER OUTPUT STAGE, CHECKING</u> .
P2310	18742	Ignition Coil D Primary Control Circuit High	-- Check the Ignition Coils with Power Output Stage -N292-. Refer to <u>IGNITION COIL WITH POWER OUTPUT STAGE, CHECKING</u> .
P2400	18832	Evaporative Emission System Leak Detection Pump Control Circuit/Open	-- Check the Leak Detection Pump (LDP) -V144-. Refer to <u>LEAK DETECTION PUMP, CHECKING</u> .
P2401	18833	Evaporative Emission System Leak Detection Pump Control Circuit Low	-- Check the Leak Detection Pump (LDP) -V144-. Refer to <u>LEAK DETECTION PUMP, CHECKING</u> .
P2402	18834	Evaporative Emission System Leak Detection Pump Control Circuit High	-- Check the Leak Detection Pump (LDP) -V144-. Refer to <u>LEAK DETECTION PUMP, CHECKING</u> .
P2403	18835	Evaporative Emission System Leak Detection Pump Sense Circuit/Open	-- Check the Leak Detection Pump (LDP) -V144-. Refer to <u>LEAK DETECTION PUMP, CHECKING</u> .
P2404	18836	Evaporative Emission System Leak Detection Pump Sense	-- Check the Leak Detection Pump (LDP) -V144-. Refer to <u>LEAK DETECTION</u>

2012 Audi S4

DTC INDEX DTC Index - Engine Code(s): CCBA (Sedan)

		Range/Performance	<u>PUMP, CHECKING .</u>
P2414	18846	O2 Sensor signal range check - Bank 1, Bank 2	-- Check the Heated Oxygen Sensor (HO2S) -G39-. Refer to <u>HEATED OXYGEN SENSOR HO2S, CHECKING .</u>
P2415	18847	O2 Sensor signal range check - Bank 1, Bank 2	-- Check the Heated Oxygen Sensor (HO2S) -G39-. Refer to <u>HEATED OXYGEN SENSOR HO2S, CHECKING .</u>
P2431	-	rationality check	Check the Secondary Air System. Refer to <u>SECONDARY AIR INJECTION PUMP RELAY, CHECKING OR SECONDARY AIR INJECTION PUMP MOTOR, CHECKING</u>
P2432	-	signal range check	Check the Secondary Air System. Refer to <u>SECONDARY AIR INJECTION PUMP RELAY, CHECKING OR SECONDARY AIR INJECTION PUMP MOTOR, CHECKING</u>
P2433	-	signal range check	Check the Secondary Air System. Refer to <u>SECONDARY AIR INJECTION PUMP RELAY, CHECKING OR SECONDARY AIR INJECTION PUMP MOTOR, CHECKING</u>
P2440	-	air valve bank 1	Check the Secondary Air System. Refer to <u>SECONDARY AIR INJECTION PUMP RELAY, CHECKING OR SECONDARY AIR INJECTION PUMP MOTOR, CHECKING</u>
P2442	-	air valve bank 2	Check the Secondary Air System. Refer to <u>SECONDARY AIR INJECTION PUMP RELAY, CHECKING OR SECONDARY AIR INJECTION PUMP MOTOR, CHECKING</u>
P2539	18971	Low Pressure Fuel System Sensor Circuit	-- Check the Fuel Pressure Sensor -G247-. Refer to <u>FUEL PRESSURE SENSOR, CHECKING .</u>
P2540	18972	Low Pressure Fuel System Sensor Circuit Range/Performance	-- Check the Fuel Pressure Sensor -G247-. Refer to <u>FUEL PRESSURE SENSOR, CHECKING .</u>
P2541	18973	Low Pressure Fuel System Sensor Circuit Low	-- Check the Fuel Pressure Sensor -G247-. Refer to <u>FUEL PRESSURE SENSOR, CHECKING .</u>
P2626	19058	O2 Sensor Pumping Current Trim Circuit/Open Bank 1 Sensor 1	-- Check the Heated Oxygen Sensor (HO2S) -G39-. Refer to <u>HEATED OXYGEN SENSOR HO2S,</u>

2012 Audi S4

DTC INDEX DTC Index - Engine Code(s): CCBA (Sedan)

			<u>CHECKING</u> .
P2629	19061	O2 Sensor Pumping Current Trim Circuit/Open Bank 1 Sensor 1	-- Check the Heated Oxygen Sensor (HO2S) -G39-. Refer to <u>HEATED OXYGEN SENSOR HO2S, CHECKING</u> .
P3081	19537	Engine Temperature Too Low	-- Check Engine Coolant Temperature (ECT) Sensor -G62-. Refer to <u>ENGINE COOLANT TEMPERATURE SENSOR, CHECKING</u> .
U0001	28673	High Speed CAN Communication Bus	-- Check the CAN-Bus terminal resistance. Refer to <u>CAN BUS TERMINAL RESISTANCE, CHECKING</u> .
U0002	-	High Speed CAN Communication Bus	-- Check the CAN-Bus terminal resistance. Refer to <u>CAN BUS TERMINAL RESISTANCE, CHECKING</u> .
U0100	28772	Lost Communication with ECM/PCM A	-- Check the CAN-Bus terminal resistance. Refer to <u>CAN BUS TERMINAL RESISTANCE, CHECKING</u> .
U0101	28773	Lost Communication with TCM	-- Check the CAN-Bus terminal resistance, Direct Shift Gearbox (DSG) Mechatronic -J743- to Motronic Engine Control Module (ECM) - J623-. Refer to <u>CAN BUS TERMINAL RESISTANCE, CHECKING</u> .
U0121	28793	CAN ABS brake unit	-- Check the CAN-Bus terminal resistance. Refer to <u>CAN BUS TERMINAL RESISTANCE, CHECKING</u> .
U0140	-	CAN communication with BCM	-- Check the CAN-Bus terminal resistance. Refer to <u>CAN BUS TERMINAL RESISTANCE, CHECKING</u> .
U0146	28818	CAN gateway A	-- Check the CAN-Bus terminal resistance. Refer to <u>CAN BUS TERMINAL RESISTANCE, CHECKING</u> .
U0155	28827	communication with ICL	-- Check the CAN-Bus terminal resistance. Refer to <u>CAN BUS TERMINAL RESISTANCE, CHECKING</u> .
U0302	28974	Software Incompatibility with Transmission Control Module	-- Replace the Direct Shift Gearbox (DSG) Mechatronic -J743-. Refer to appropriate service information.

2012 Audi S4

DTC INDEX DTC Index - Engine Code(s): CCBA (Sedan)

U0323	-	CAN: Instrument cluster Audi only	-- Check the CAN-Bus terminal resistance. Refer to <u>CAN BUS TERMINAL RESISTANCE, CHECKING</u> .
U0402	29074	CAN communication with TCM	-- Check the CAN-Bus terminal resistance, Selector Lever -E313- to Motronic Engine Control Module (ECM) - J623-
U0404	29076	Invalid Data Received From Gear Shift Control Module	-- Check the CAN-Bus terminal resistance, Selector Lever -E313- to Motronic Engine Control Module (ECM) - J623-.
U0415 CAN	-	CAN link to speed sensor	-- Check the Engine Speed (RPM) Sensor -G28- Refer to <u>ENGINE SPEED SENSOR, CHECKING</u>
U0415 CAN (only S4) Vehicle Speed	-	CAN link to speed sensor	-- Check the Engine Speed (RPM) Sensor -G28- Refer to <u>ENGINE SPEED SENSOR, CHECKING</u>
U0422	-	CAN: Instrument cluster	-- Check the CAN-Bus terminal resistance. Refer to <u>CAN BUS TERMINAL RESISTANCE, CHECKING</u> .
U0423	-	communication with ICL	-- Check the CAN-Bus terminal resistance. Refer to <u>CAN BUS TERMINAL RESISTANCE, CHECKING</u> .
U0447	-	CAN gateway	-- Check the CAN-Bus terminal resistance. Refer to <u>CAN BUS TERMINAL RESISTANCE, CHECKING</u> .