07.3 Mechanical/Electronic gasoline injection system (KE injection)

Designation	Nature and reason for modification	Production breakpoint	Op. no.
Fuel pump	Fuel pumps with shaped track. Identification: Bosch production date as of 642.	as of 02/86	07.3–5710
Fuel pump Model 201.029	Fuel pumps of a further manufacturer (except national versions (AUS) (J) (USA)).	11/90	–
Mixture control unit	Securing screw for air guide housing to mixture control unit M 6×22 screw + washer (previously M 6×20). Improved installation security.	as of 03/86	07.3–1686
KE control unit	Fault diagnosis by measuring on/off ratio integrated in KE control unit.	as of 03/86	07.3–1698
KE control unit	Engine 103.940/943/983/985: At low speeds the idle speed control is set to open-loop mode (constant air throughput) by processing a road speed signal in KE control unit.	07/87	07.3–1698
KE control unit	Engine 103.940/942/983: Reduction in tendency to jerk by use of road speed signal in KE control unit.	as of 02/88	07.3–1698

09 Air cleaner

Designation	Nature and reason for modification	Production breakpoint	Op. no.
Intake air temperature sensor (B17/2)	Retrofitting for vehicles up to vehicle ident end no. 1F 004948 Model 124.090	as of 02/86	09–1051

14 Intake manifold, exhaust manifold, emissions control system

Designation	Nature and reason for modification	Production breakpoint	Op. no.
Exhaust manifold (CH)	Exhaust manifold with emissions test connection.	09/88	14–3915
Exhaust manifold	Shield attached to exhaust manifold cylinders 1–3 to reduce heat radiated to air pump. Exhaust manifold with additional cooling and stiffening ribs (version (CH) with emissions test connection).	08/89	14–3915
Exhaust manifold	Exhaust manifold with additional cooling and stiffening ribs.	10/89	14–3915
Exhaust manifold	Vehicles with automatic transmission: New production start of exhaust manifold with (national version (CH)) and without connection for emissions test, emissions control system and air injection (national version (DK) (N) (S) (SF)).	06/90	14–3915
Exhaust manifold	Collar nut (previously nut with washer) for attaching to cylinder head.	11/90	14–3915
Temperature sensor coupling and wiring harness for catalytic converter warning system model 126 (J)	Shape of coupling modified.	01/89	14–0115
Intake manifold gasket	Asbestos-free gasket.	06/90	14–1310
Intake manifold	Intake manifold attachment modified	05/90	14–1310

15 Electrical system engine (ignition system)

Designation	Nature and reason for modification		Production breakpoint	Op. no.
Crankshaft position sensor	Additional manufacturer (alternatively AB-Elektronik and Bosch).		01/86	15–2133
Crankshaft position sensor (Bosch)	Production-related conversion because of cold soldered points and wire fracture as a result of corrosion.		03/87	–
EZL ignition control unit	Increase in governed speed to 7000 ± 50 rpm in combination with modified camshaft, fuel pump relay and KE control unit.		02/86	15–2093
EZL ignition control unit	Model 129.060 as of vehicle end no. F057393: modified software, because of starting off in 1st gear (automatic transmission)		03/92	15–2093
EZL ignition control unit	Modified ignition map because of load change jolts when shifting with manual transmission.		03/87	15–2093
	Engine	Part no.		
	103.94	006 545 73 32 006 545 75 32 alternatively		
	103.98	006 545 74 32 006 545 76 32 alternatively		
Distributor rotor arm	Production-related conversion because of arcing, cracking and poorly machined central electrode.		03/86	–
Distributor cap	Production-related conversion because of loose or fractured carbon brushes.		03/86	–
May + Christe ignition coils	Production-related conversion because of interturn short circuit and cracks on dome, contact 4.		10/86	–

<table>
<tr><th>Designation</th><th>Nature and reason for modification</th><th>Production break-point</th><th>Op. no.</th></tr>
<tr><td rowspan="5">Spark plugs</td><td colspan="4">Approval of spark plugs</td><td rowspan="5">01/87</td><td rowspan="5">15–1031</td></tr>
<tr><td>ε</td><td>Beru</td><td>Bosch</td><td>Champion</td></tr>
<tr><td>Normal-compression</td><td>14 K–8 DU
14 K–8 DUO</td><td>H 8 DC
H 8 DCO</td><td>S 10 YC
S 10 YCC</td></tr>
<tr><td>(AUS) (J)
(USA)
and low compression</td><td>14 K–9 DU
14 K–9 DUO</td><td>H 9 DC
H 9 DCO</td><td>S 12 YC
S 12 YCC</td></tr>
<tr><td colspan="4">Reason: frequent cold start complaints for stop-and-go driving.</td></tr>
<tr><td>Coolant temperature sensor (B11/2)</td><td colspan="4">Conversion to 4-pin temperature sensor.</td><td>08/89</td><td>–</td></tr>
<tr><td>Engine systems control unit MAS</td><td colspan="4">Software revised, storage of fault code 3 eliminated.</td><td>07/90</td><td>15–2193</td></tr>
</table>

Designation	Nature and reason for modification	Production breakpoint	Op. no.
Emissions control system	Engine 103.940/943/983/985 with automatic transmission: new start of production of exhaust recirculation, air injection and engine wiring harness.	06/90	14–7251
Exhaust manifold gasket	Asbestos-free gasket.	as of 07/90	14–3915
Air injection line	Air injection line with modified connection for attaching non-return valve.	10/90	14–7251
Belt pulley at air pump	Installation of spacer ring in front of the bearing in the belt pulley	08/91	14–7251
Exhaust gas recirculation valve	Diaphragm modified in order to improve sealing	09/91	14–7611

Designation	Nature and reason for modification	Production breakpoint	Op. no.
KE control unit	Engine 103.940/942/981/983 (USA California version): Software modification in program part of Carb-Diagnosis (memory)	as of 06/88	07.3–1698
KE 5 control unit	Software modification, thus no further fault display when driving at high altitudes.	11/89	07.3–1698
KE 5 control unit	(USA) software modification, fault code 3 discontinued	07/90	07.3–1698
KE control unit	Harmonization for secondary air pump and exhaust gas recirculation modified.	08/90	07.3–1698
Fuel pump set Model 124 Station Wagon	Retrofitting a holder for fuel pressure hose, thus positioning pressure hose at correct distance to inner ring joint of right rear axle shaft.	as of 07/86	07.3–5710
Fuel pump set Models 124.026/030, 201.029	Installation of second fuel pump to prevent formation of vapour bubbles.	as of 09/86	07.3–5710
Fuel pump set Model 124.026/030	Retrofitting of second fuel pump to prevent formation of vapour bubbles.	as of 07/87	07.3–0266
Fuel pump set Model 124 Sedan	Improvement in noise damping by modified routing and longer pressure hose from fuel filter to fuel feed line.	10/88	07.3–5770
Injection valves	Brass injection valves.	as of 06/87	07.3–6520
Injection valves	Brass injection valves. Identification on shaft 000 078 56 23.	09/88	07.3–6520

Designation	Nature and reason for modification	Production breakpoint	Op. no.
Fuel distributor	Screw union for fuel feed and return pipe made of modified material	01/90	07.3–1674
Non-return valve of fuel pump	Tightening torque increased to 22 Nm (previously 17 Nm)	03/90	–
Throttle valve body	Improved throttle valve switch. With automatic transmission and ASR in addition modified opening angle.	as of 03/90	07.3–6210
Fuel filter	**Model 124, 129, 201 (without (USA) Gulf States):** conversion of fuel filter to 0.4 liter (was 0.6 liter). Approval of double fuel pump (Pierburg)	Model 124: 02/93 Model 129: 06/93 Model 201: 01/93	–
Fuel suction hose	**Model 124 Sedan and Coupé:** fuel suction hose from fuel tank to fuel pump converted to shaped hose to avoid kinking (as of vehicle ident end no. B 097367)	10/89	07.3–5710