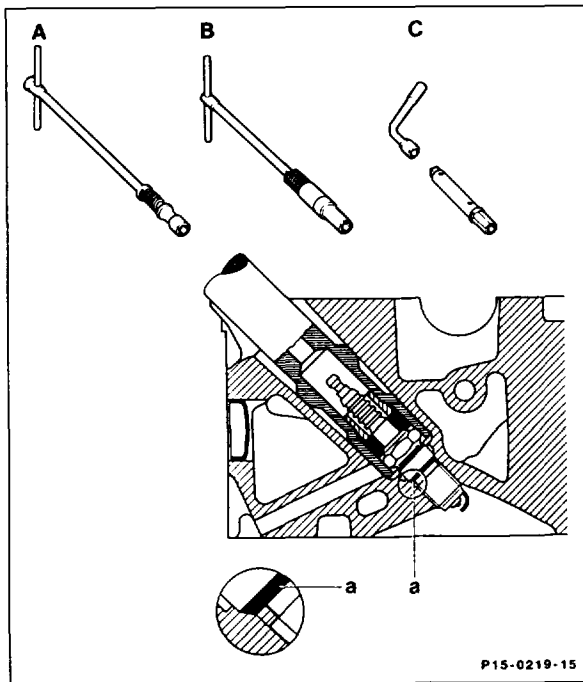


15-1031 Replacing spark plugs

Operation no. of operation texts and work units or standard texts and flat rates:
15-1031.

A. Replacing



Spark plug connector

slacken by turning to right and left and pull off. If necessary, use special tool.

Ignition cables

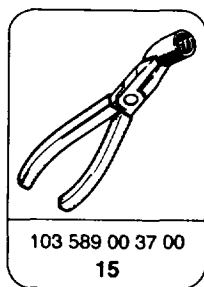
Blow out recesses with compressed air.
clean, when plugging in spark plug connectors, ensure ignition cables are correctly routed.
Pay attention to firing order 1-3-6-2-4-5.

Spark plugs remove and install; use only approved spark plug wrench (with Nm limitation "B").
A 102 589 02 09 00
B 102 589 01 09 00
C Vehicle tool kit

Installation note

Install only approved spark plugs with tapered seat (a).
Tightening torque 10–20 Nm.

Special tool



Note

When pulling the straight spark plug connectors off the spark plugs, pliers are available as a special tool which enable the spark plug connectors to be pulled off without damaging the connectors or the ignition cables.

B. Spark plug table

Engine 103.980

Basic and national version

Manufacturer	BERU	BOSCH	CHAMPION
Spark plugs for normal compression	14 K-7 DU 14 K-7 DUO	H 7 DC H 7 DCO	S 9 YC S 9 YCC
Spark plugs for low compression ³⁾	14 K-8 DU 14 K-8 DUO	H 8 DC H 8 DCO	S 10 YC S 10 YCC

Engine 103 (except engine 103.980 and 103.984)

Basic and national version except (AUS) (J) (USA), Korea, Taiwan

Manufacturer	BERU	BOSCH	CHAMPION
Spark plugs for normal compression	14 K-8 DU ¹⁾ 14 K-8 DUO	H 8 DC ¹⁾ H 8 DCO	S 10 YC S 10 YCC
Spark plugs for low compression ³⁾	14 K-9 DU 14 K-9 DUO	H 9 DC H 9 DCO	S 12 YC S 12 YCC

Engine 103.984

Basic and national version

Manufacturer	BERU	BOSCH	CHAMPION
Spark plugs for normal compression	14 K-8 DUO	H 8 DCO	S 10 YCC
Spark plugs for low compression ³⁾	14 K-9 DUO	H 9 DCO	S 12 YCC

Engine 103

National version ²⁾ (AUS) (J) (USA), Korea, Taiwan

Manufacturer	BERU	BOSCH	CHAMPION
Spark plugs	14 K-9 DU 14 K-9 DUO	H 9 DC H 9 DCO	S 12 YC S 12 YCC

¹⁾ 14 K-7 DU and H 7 DC spark plugs were fitted as standard up to about 02/87.

²⁾ The spark plugs are approved only for a max. speed of 160 km/h.

Spark plugs of the basic version must be installed in tourist vehicles and for sporting competitions.

³⁾ These spark plugs may also be used for driving in towns and short distances in winter up to a max. speed of 140 km/h on vehicles fitted with EZL ignition system.

With $\epsilon = 8.0$ or without KAT with fuel-optimized compression ratio as of 07/92.

Electrode gap: 0.8 mm.

Tightening torque 10 – 20 Nm.

Note

Since 04/1988 Bosch spark plugs and since 09/88 Beru spark plugs have been installed, which have a central electrode with a larger diameter. These spark plugs are identified with an "O", e.g. 14K-7DUO.

Since 09/89 Champion spark plugs have been installed which have a ground electrode with a copper core. These spark plugs are identified with a "C", e.g. S10YCC.

Additionally approved spark plugs**Engine 103.980**

The Beru silver spark plugs (Silverstone) are approved for retrofitting:

S1K in place of 14K-7DU(O)



The platinum spark plugs are no longer approved.