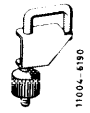
07.2–194 Removal and installation of carburetor

Tightening torques	Nm
Fastening screws for rubber flange	15
Fastening screws for adapter on carburetor	30
Fastening screws for carburetor	50

Special tool

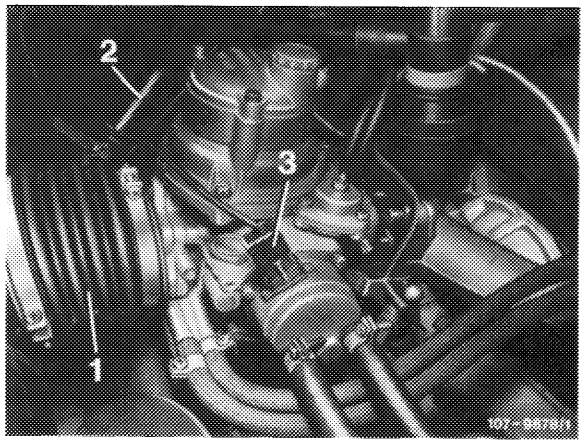
Clamp		000 589 40 37 00

Conventional tool

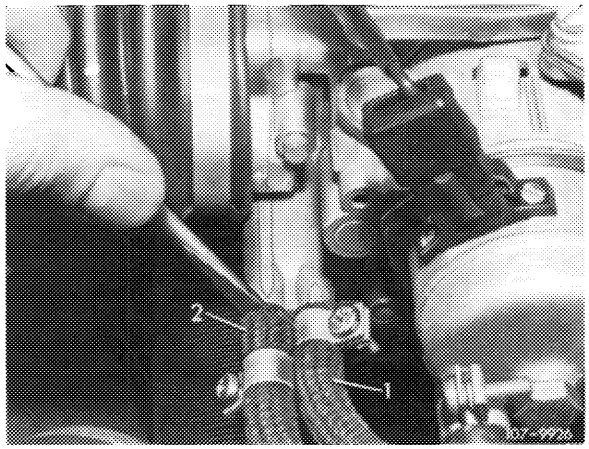
Torque wrench single-arm, 15–65 Nm	e.g. made by Stahlwille, D–5600 Wuppertal Order No. 73/6

Removal

1 Remove rubber sleeve (1) and crankcase breather pipe (2), also pull off electric plug connection (3) for heating choke cover. On model 123, pull off hose for idle speed bypass mixture on carburetor.



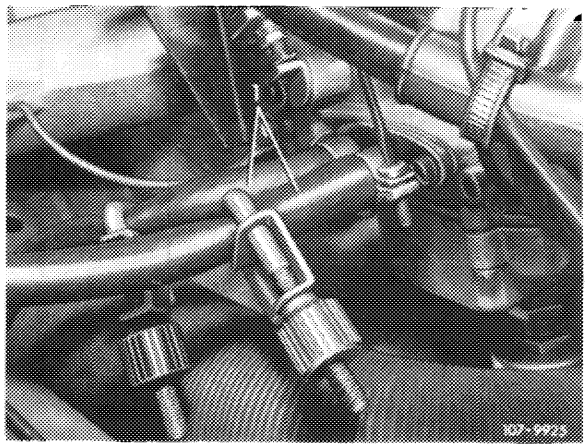
2 Remove fuel feed and return hose, as well as vacuum lines.



1 Fuel feed hose to carburetor
2 Fuel return hose to fuel tank

3 Evacuate excess pressure in cooling system by loosening radiator cap for a short moment.

4 Pinch coolant hoses for heating choke and carburetor with a clamp and remove.

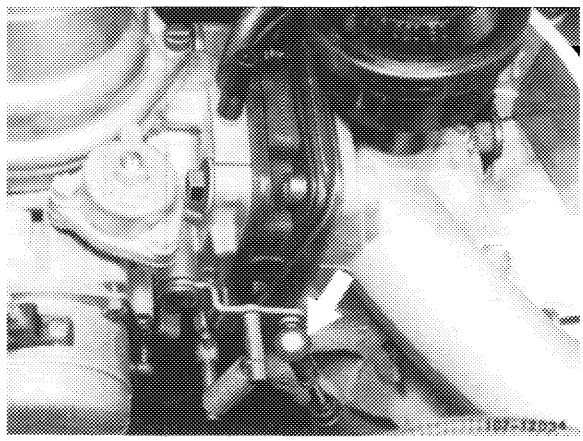


1 Coolant hoses for heating carburetor

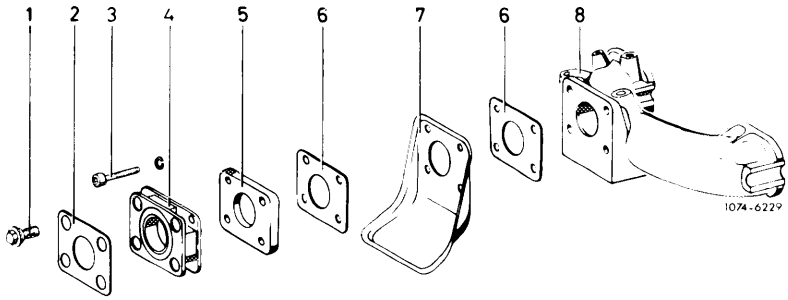
5 Disconnect regulating rod (arrow) on throttle valve lever of carburetor.

6 Loosen grounding cable of carburetor and carburetor fastening screws and remove carburetor.

7 Remove rubber flange (4), insulating flange (5), gasket (6) and shielding plate (7) and check. Replace damaged parts.



Standard version and (USA) up to 1974
1 Carburetor fastening screw
2 Gasket
3 Fastening screw for rubber flange
4 Rubber flange
5 Insulating flange
6 Gasket
7 Shielding plate
8 Intake pipe

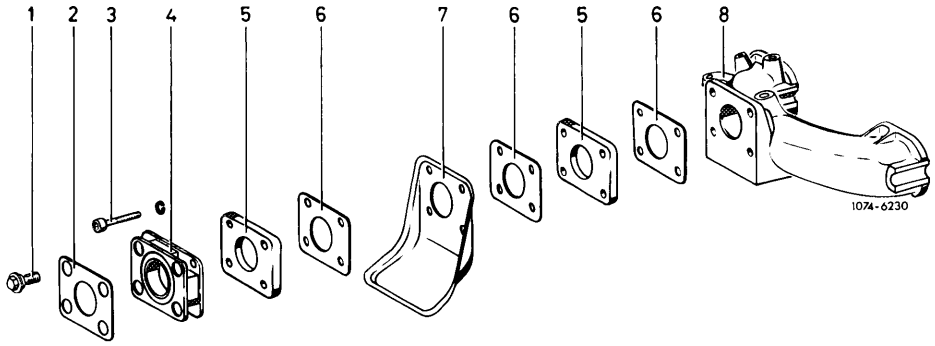


Installation

8 For installation proceed vice versa, pay attention to the following:

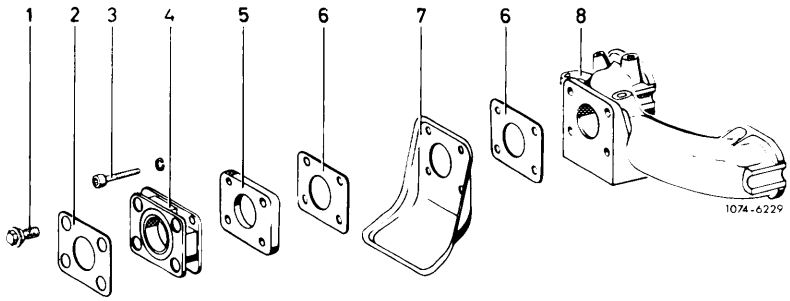
9 Use new gaskets. Connect vacuum lines on carburetor correctly.

Insulating flange layout



(USA) 1975/76

1 Carburetor fastening screw
2 Gasket
3 Fastening screw for rubber flange
4 Rubber flange
5 Insulating flange
6 Gasket
7 Shielding plate
8 Intake pipe

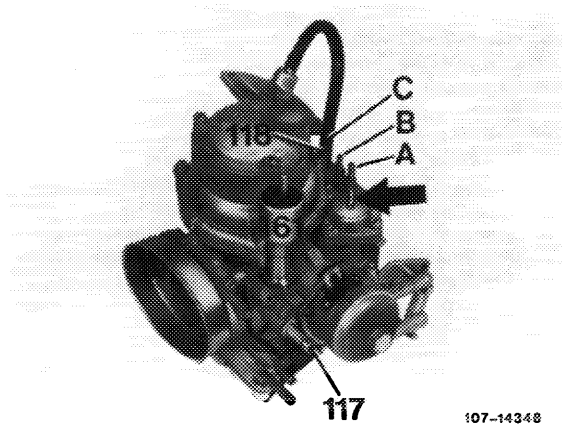


(USA) 1977/78

(J) (S)

1 Carburetor fastening screw
2 Gasket
3 Fastening screw for rubber flange
4 Rubber flange
5 Insulating flange
6 Gasket
7 Shielding plate
8 Intake pipe

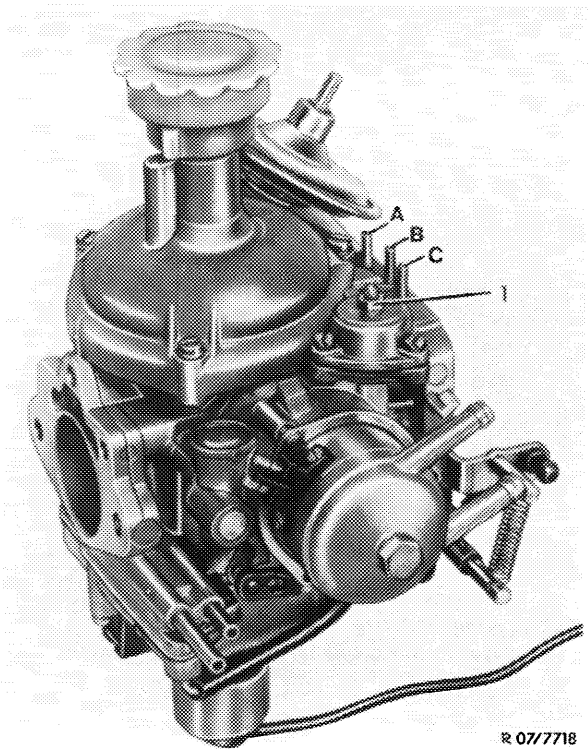
Vacuum connections



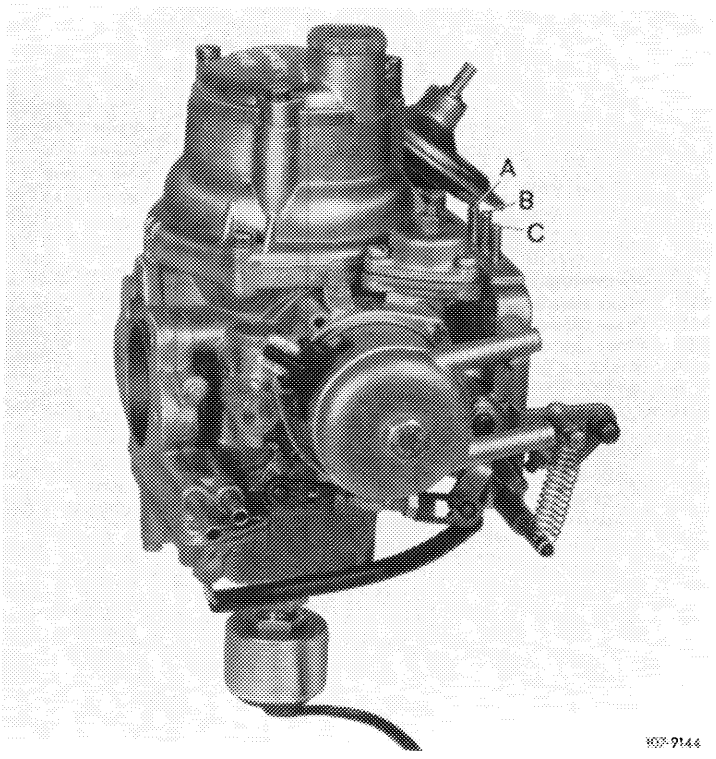
(AUS) (S)

117 Float chamber vent ((AUS) only)
118 Draw-off connection for fuel evaporation control system ((AUS) only)
161 Float chamber vent valve
A Intake air preheater (blue ring)
B Ignition (red ring)
C Vacuum governor

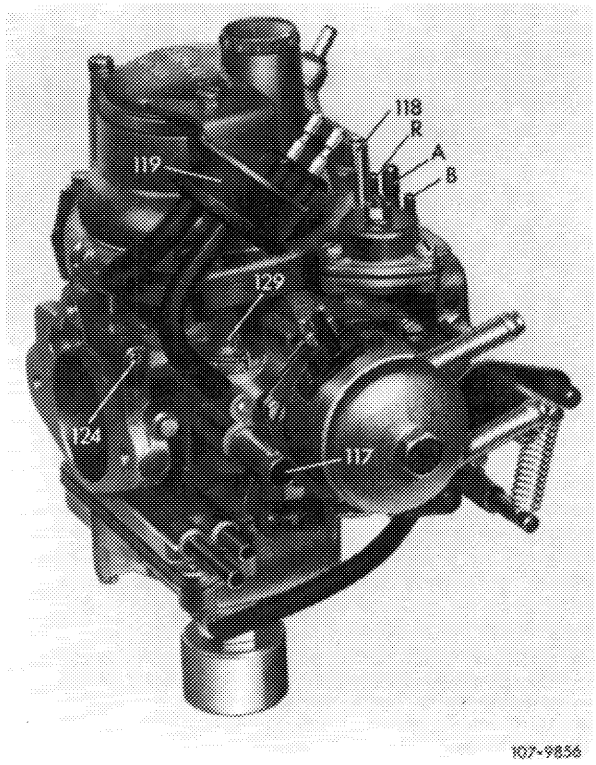
Arrow = connection pulldown (starting 1978)



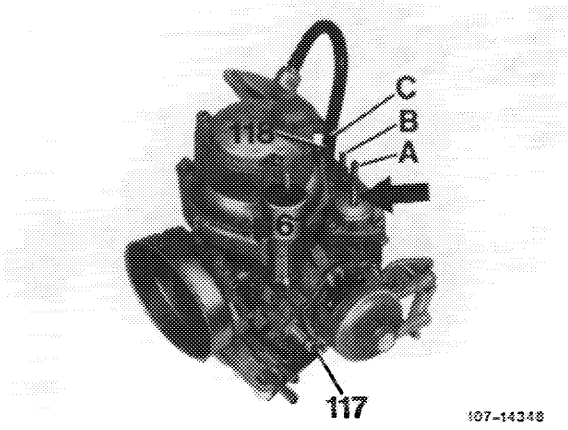
(USA) 1973
1 *Diaphragm rod (pulldown)*
A Vacuum connection EGR (brown)
B Vacuum connection ignition timing "retard" (white)
C Vacuum connection for switchover valves (blue)



(USA) 1974
A Vacuum connection EGR (brown)
B Vacuum connection closed
C Vacuum connection for switchover valves (blue)

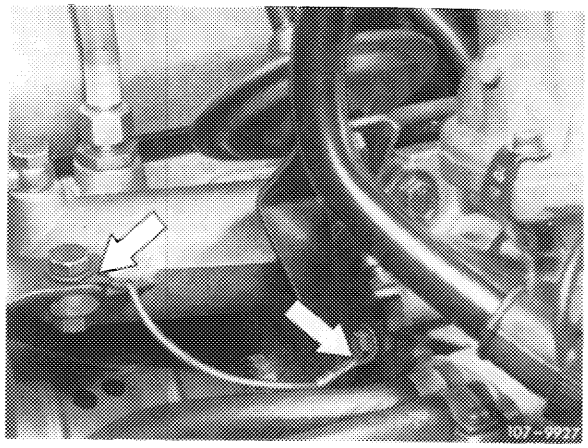


(USA) 1975/76
118 Draw-off connection for fuel evaporation control
A Vacuum connection closed
B Vacuum connection for switchover valves
R Vacuum connection for EGR



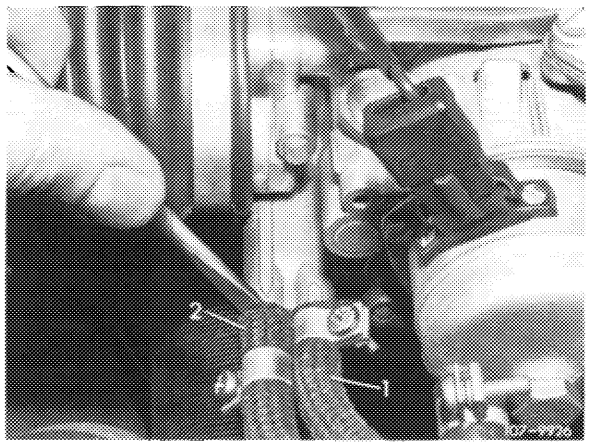
(J) (USA) starting 1977
117 Float chamber vent
118 Draw-off connection for fuel evaporation control
161 Float chamber vent valve
A Intake air preheater (blue ring)
B Ignition (red ring)
Arrow = connection pulldown (starting 1978)

10 Connect grounding cable (arrows).



11 Plug on fuel hoses according to arrow marks on carburetor housing.

Replace defective coolant hoses for heating choke and carburetor.



1 Fuel feed hose to carburetor
2 Fuel return hose to fuel tank

12 Check fastening screws (125) for adapter for specified tightening torque.

Attention!
When renewing gasket (127), make sure that the vent bore (arrow) is not covered by gasket, since otherwise in spite of a perfect idle speed exhaust gas value the full load exhaust gas value is considerably above permissible tolerance (high fuel consumption).

13 Adjust idle speed (07.2–100), adjust choke (07.2–125).