A. Fuel pump set with one fuel pump

Models 107, 126
Model 124

Pressure in fuel tank ........................................ release by opening cap, close.
Ground cable at battery ........................................ disconnect, connect.
Protective box (10) ............................................. unscrew, screw on.
Fuel suction hose and fuel pressure hose
(23, 19) ............................................................ pinch off with clamp (11).
Special tool 000 589 40 37 00.
For model 124.090 pay attention to note.
Fuel line (5) ........................................................ at fuel accumulator, fuel pump and fuel filter,
screw on.
Fuel suction hose (23) ......................................... slacken, pull off, fit on.
Electric cables ..................................................... disconnect, connect.
Securing screws (arrows) ..................................... at holder (4) slacken, tighten.
Fuel pump (M3) ................................................... remove, insert.
Plastic sleeve (25) ........................ install.

Note
When exchanging the fuel filter, it is essential to ensure that the plastic sleeve (25) is installed between fuel filter and holder (4). It must project on both sides of the holder as direct contact of the fuel filter with the holder can cause contact corrosion.
The fuel pump is actuated by the fuel pump relay (07.3-5792).

Seals (9) ................................. replace.
Leaktightness of all connection points ........ check with engine running.

Special tool

Note
Engine 103.983, model 124.090
Do not pinch off fuel suction hose at elbow (arrow).
B. Fuel pump set with two fuel pumps

a) Model 124

Pressure in fuel tank ......................... release by opening cap, closing.
Ground cable at battery ...................... disconnect, connect.
Protective box (19) ......................... unscrew, screw on.
Fuel suction hose and fuel pressure hose
(19, 23) ........................................ pinch off with clamp (11).
Special tool 000 589 40 37 00.
Fuel pump 1 (M3m1) ........................ remove, install.
Fuel line (6) to fuel pump 2 (M3m2) ...... unscrew, screw on.

Note
Replace copper seal.

Electric cables ............................... disconnect, connect.
Hose clip and fuel suction line .......... slacken and pull off fuel line (6).
Securing screws (arrows) ................. slacken and take out fuel pump.
Fuel pump 2 (M3m2) .......................... remove, install.
Fuel line (5) ................................. between fuel pump, fuel filter and fuel accumulator, remove, install.

Note
Replace copper seals.

Electric cables .............................. disconnect, connect.
Securing screws (arrows) ................... at holder (4) slacken and take out fuel pump, press fuel hose off fuel pump 1 (M3m1) when performing this step.
Plastic sleeve (25) .......................... install.

Note
When exchanging the fuel filter, it is essential to ensure that the plastic sleeve (25) is installed between fuel filters (M3m1 and M3m2) and holder (4). It must project on both sides of the holder as direct contact of the fuel filter with the holder can cause contact corrosion.

Leak tightness .............................. check with engine running.

Special tool

![Special tool image]

RA 07.3.1132-5710/5
Fuel pump set
Model 124.090, engine 103.983

Two fuel pumps are arranged in series on this model.
To achieve short suction distances, a fuel pump is suspended on rubber rings between rear axle and fuel tank. The second fuel pump is installed in the fuel pump set.

Note
Model 124 Sedan and Coupé
Fuel suction hose from fuel tank to fuel pump converted to shaped hose in order to avoid kinking (as of vehicle ident end no. B 097367).
Removing and installing fuel pump 1 (M3m1)

Pressure in fuel tank ........................................ release by opening cap, close.
Ground cable at battery ................................. disconnect, connect.
Protective box ........................................... unscrew, screw on.
Fuel suction hose and fuel pressure hose (19, 23) ........................................ pinch off with clamp. Special tool 000 589 40 37 00.
Fuel hose (23) ............................................... disconnect, connect.
Union nut (20) ............................................. unscrew, screw on. Replace seals.
Electrical connections ................................. disconnect at fuel pump (M3m1), connect.
Tensioning strap (arrow) ............................... open, close.
Fuel pump 1 (M3m1) ........................ remove, insert. If necessary, replace plastic sleeve (25).

Note
When exchanging the fuel filter, it is essential to ensure that the plastic sleeve (25) is installed between fuel filters and holder (2). It must project on both sides of the holder as direct contact of the fuel filter with the holder can cause contact corrosion.

Leaktightness of all connection points ........ check with engine running.

Removing and installing fuel pump 2 (M3m2)
Fuel pump 1 (M3m1) must be removed beforehand in order to remove fuel pump 2 (M3m2).

Pressure in fuel tank .................. release by opening cap, close.
Ground cable at battery ............... disconnect, connect.
Protective box ........................ unscrew, screw on.
Fuel pump set ........................ lower on fuel pump side by detaching the two rubber rings (35).
Union nut .............................. unscrew, screw on. Replace seals.
Electrical connections ................ disconnect at fuel pump (M3m2), connect.
Spacer adapter (65) .................... remove, install.
Fuel pump M3m2 .................................. remove, insert. Replace plastic sleeve (25) if necessary.

Note
When exchanging the fuel filter, it is essential to ensure that the plastic sleeve (25) is installed between fuel filters and holder (2). It must project on both sides of the holder as direct contact of the fuel filter with the holder can cause contact corrosion.

Leaktightness of all connection points ............. check with engine running.

Special tool

![Special tool diagram]

000 589 40 37 00 00
C. Retrofitting bracket for fuel hose in rear axle area (model 124.090)

Note
On these vehicles an additional holder for the fuel pressure hose must be attached to the cross beam of the rear axle carrier. This ensures that the fuel pressure hose is held at the correct distance to the inner ring joint of the right rear axle shaft.

Ground cable at battery ......................... disconnect, connect.
Protective box for pump set ..................... detach, attach.
Fuel pressure hose in front of protective box for pump set ......................... pinch off with clamp.
Special tool 000 589 40 37 00.
Fuel pressure hose .............................. disconnect at fuel pump, connect.
Fuel pressure hose

Rubber grommet (52)

Holder at existing hole of cross beam of rear axle carrier (arrow)

Fuel pressure hose

Clearance between fuel pressure hose and ring joint (approx. 30 mm)

On vehicles with ABS

Fuel pressure hose with rubber grommet

Leaktightness of all connection points

---

**Vehicles affected**

<table>
<thead>
<tr>
<th>Model</th>
<th>Up to vehicle ident end no.</th>
</tr>
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<tbody>
<tr>
<td>124.090</td>
<td>F 011 879</td>
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**Parts**

<table>
<thead>
<tr>
<th>Designation</th>
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<tr>
<td>Fuel pressure hose</td>
<td>124 470 19 75</td>
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<tr>
<td>Holder</td>
<td>124 471 03 41</td>
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<tr>
<td>Nut</td>
<td>913017 00600</td>
</tr>
<tr>
<td>Bolt</td>
<td>914126 006005</td>
</tr>
<tr>
<td>Rubber grommet</td>
<td>116 997 29 81</td>
</tr>
</tbody>
</table>
Notes
Models 107, 124, 126
Installation of fuel pumps with shaped track.
Identification: Bosch production date as of 642.

Production breakpoint: a) fuel pump 002 091 88 01 (EKP 6) February 1986

<table>
<thead>
<tr>
<th>Model</th>
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<tr>
<td>126.020</td>
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<td>126.024/025</td>
<td>103.981</td>
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Production breakpoint: b) fuel pumps 002 091 97 01 (EKP 4) March 1986

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<td>107.041</td>
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<td>124.026</td>
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<td>124.030</td>
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<td>A 214834</td>
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<tr>
<td>124.090</td>
<td>103.983</td>
<td>F 002929</td>
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</table>

Models 124, 201
Installation of second fuel pump.
Prevents formation of vapour bubbles.

Production breakpoint: September 1986

<table>
<thead>
<tr>
<th>Model</th>
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<td>201.029</td>
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Production breakpoint: November 1986

<table>
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<td>124.026</td>
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