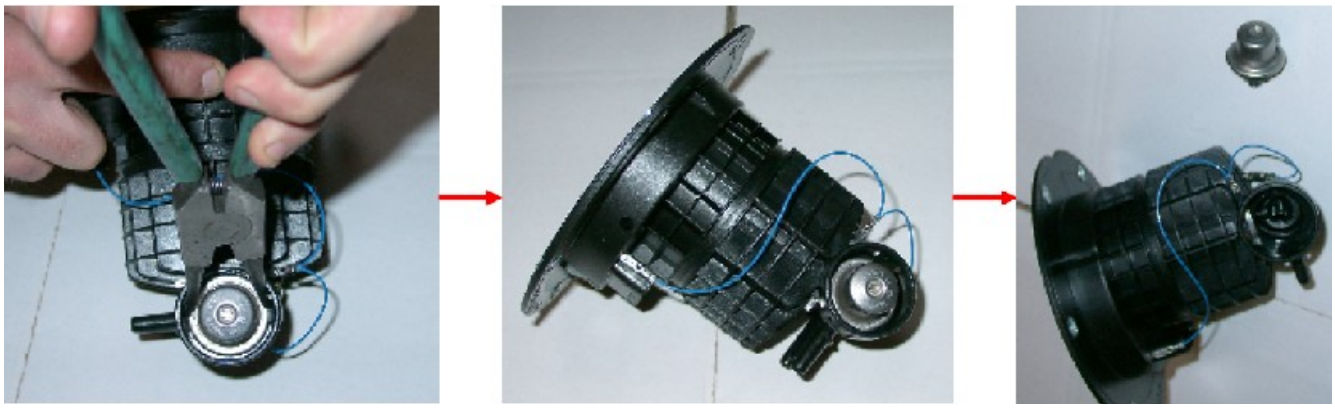


3c: W211 E 200 before MY 2006 - Fuel pump modification

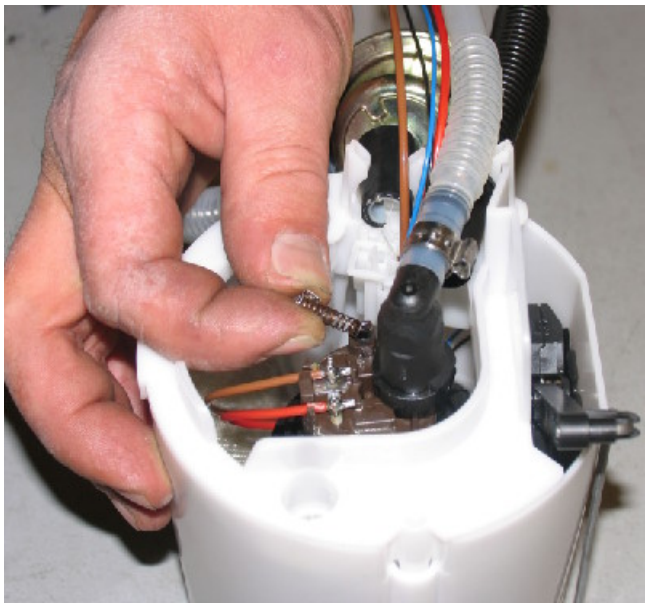
1. Remove the O.E. struts and springs from the cover located on the right hand side of the fuel tank, and mount them on the KLEEMANN cover.
2. Install the two pipe stubs and the 90 deg. pipe and drain pipe. included in the kit.

3. Take the O.E. fuel pump and fuel gauge. Route a hose from the right to the left inside of the tank, with the threaded end in right side. Screw on 90 deg.pipe. On the left side connect the KLEEMANN pipe.
4. Remove the fixing socket and spring. Important; the small ball inside must stay in place through out the operation.
5. Make a 4 mm. thread in the plastic, install the tail stuck screw using thread sealing. Let the sealing set for min. 30 min. before installing in tank.

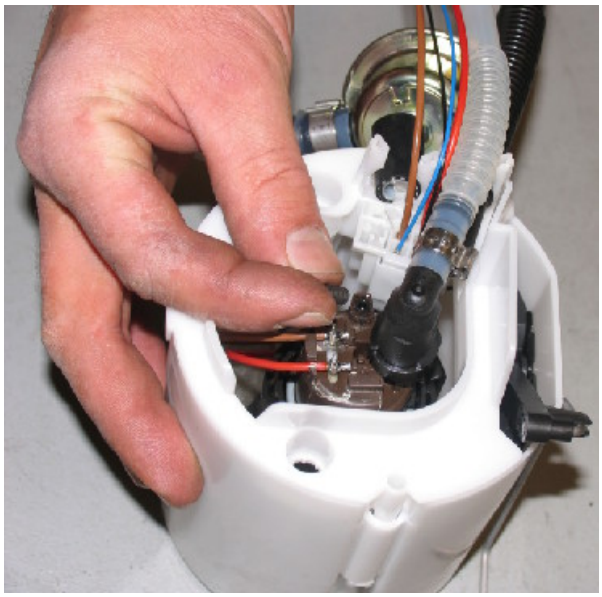
6. Remove the fixing socket and spring.
   Important Notice: The small ball inside must stay in place through out the operation.
7. Make a 4 mm. thread in the plastic,
8. Install the tail stuck screw using thread sealing.
9. Let the sealing set for min. 30 min. before installing in tank.

3c: W211 E 200 after MY 2006 - Fuel pump modification

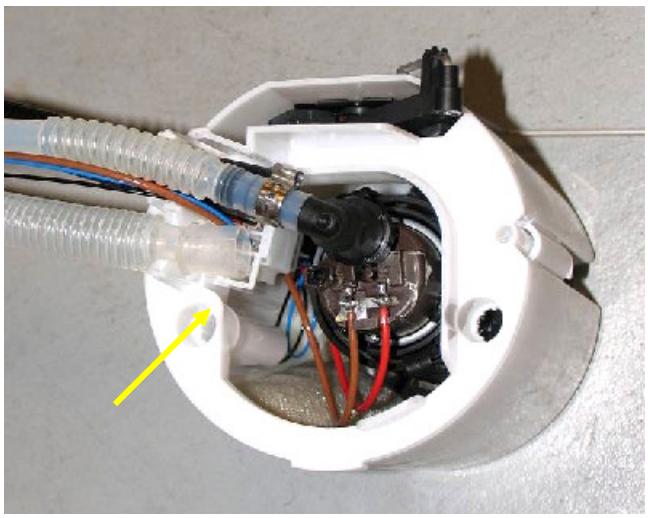
1. Remove the O.E. struts and springs from the cover located on the right hand side of the fuel tank, and mount them on the KLEEMANN cover.
2. Install the two pipe stubs and the 90 deg. pipe and drain pipe. included in the kit.



3. Remove the fixing socket and spring. **Important Notice: The small ball inside must stay in place through out the operation**

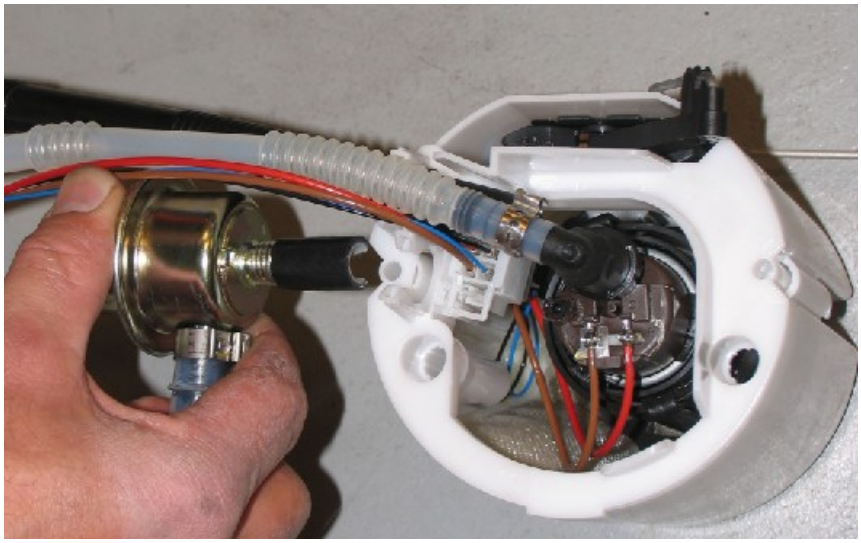


4. Make a 4 mm. thread in the plastic,
5. Install the tail stuck screw using thread sealing.
6. Let the sealing set for min. 30 min. before installing in tank

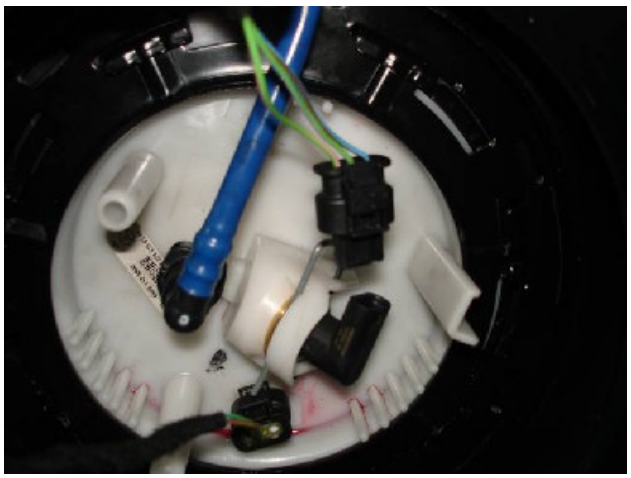


7. Unclip the return fuel line from the filter (arrow)

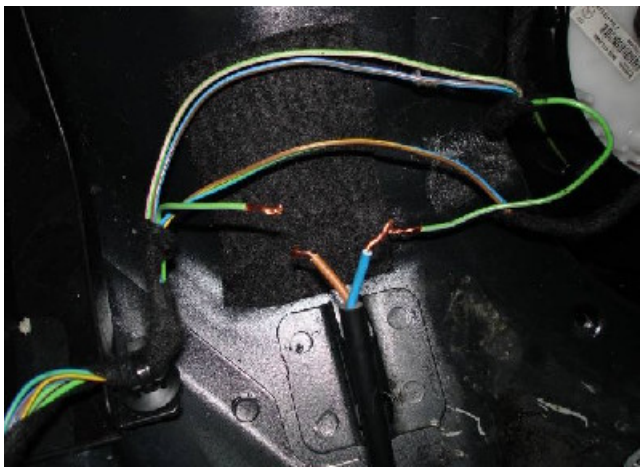
8. Installation of the BOSCH Fuel regulator:
   - Attach the fuel return line to the stud on the side of the regulator as shown above.
   - Attach a fuel hose stub to the vacant stud of the regulator



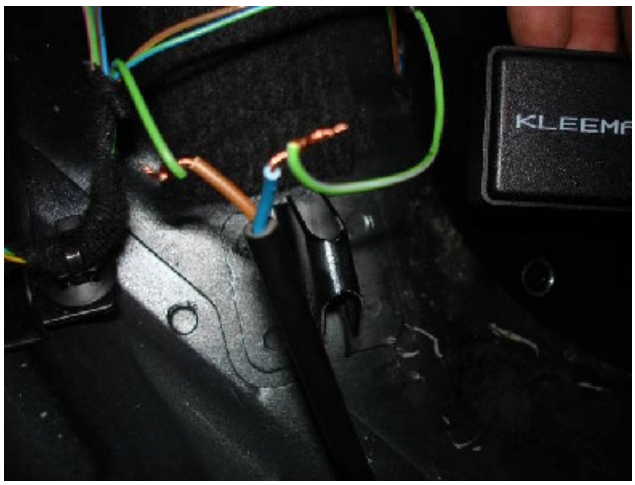
9. Insert modified return line into holding clip on top of fuel pump.



1. Locate the pressure sensor wires under the left rear seat



2. Cut the signal wire green/grey pin 2 and connect the FP-Box in between. Always solder



3. Using the fuel pressure gauge, adjust the Fuel pressure to 5 bar in idle by turning the little screw on the FP-Box, put the FP-Box in a dry suitable place. Note: Not in the foot well.

Part 4: Final testing

4a: 180K models, 143 HP

1. Start up the car and check that all connections at MAP and MAF are correct
2. When OK go on with street test
    a. Install Lambda tool and run the car with full throttle,
    b. Lambda value must be between 0,78 and 0,83
    c. Connect to DAS and open the window with Knock sensor movement,
    d. Run the car at full throttle and make sure there are no critical movements.

4b: All 163, 185 and 193 HP models

1. Start up the car and check that all connections at MAP and MAF are correct
2. Check that the pulleys and belt runs straight
3. When OK go on with fuel pressure test:
    a. Install fuel pressure gauge and check the following

R171	Fuel pressure constant at 5 bar
W203, W209	Idle fuel pressure 3,8 bar Full load pressure with full boost not under 5 bar all the way to rev. cut
W211 pre 2006	Idle fuel pressure 3,8 bar Full load pressure with full boost not under 5 bar all the way to rev. cut
W211 post 2006	Fuel pressure constant at 5 bar

4. Install Lambda tool
5. Run the car with full throttle:
    a. Lambda value must be between 0,78 and 0,83
    b. Connect to DAS and open the window with Knock sensor movement,
    c. Run the car at full throttle and make sure there are no critical movements.

New W204 200 kompressor

1. Start up the car and check that all connections at MAP and MAF are correct
2. Check that the pulleys and belt runs straight
3. When OK go on with fuel pressure test:
    e. Install fuel pressure gauge and check the following
    Check for 5 bar constant fuel pressure. Adjust the FP box if needed.

6. Install Lambda tool
7. Run the car with full throttle:
    a. Lambda value must be between 0,78 and 0,87
    b. Connect to DAS and open the window with Knock sensor movement,
    c. Run the car at full throttle and make sure that there are no critical knocksensor movements.

Installation is complete