

FP-231OE and FP-231EDL

BMW K & R Fuel Pump Installation Guidelines

1) Disconnect the battery and empty the fuel from the fuel tank and clean rust, debris, etc. inside the fuel tank. No warranty for failed fuel pumps due to contaminated fuel (See reverse side).

2) Follow the instructions in your repair manual for removing the existing fuel pump assembly, fuel filter and fuel lines from your fuel tank.

Please make special note of,

- a. The electrical connections at the fuel pump (Negative is the larger diameter post of the two as designated on the plastic post base).
- b. Where the fuel line attaches to the metal line inside at the bottom of the tank.

3)

- a. Install the new rubber vibration damper (Part # FP-231KDamper694). The pump rib should rest in the rubber vibration damper recesses. A nylon zip-tie will assist in the maintenance of the clasp grip.
- b. Attach the white supporting ring (FP-231KRing713) onto the new fuel pump with the supplied nuts and washers.
- c. Install the new filter screen (Part # FF-233) provided onto the bottom of the fuel pump.

4)

- a. After cutting the fuel hose to the correct length. Connect one of the hoses (they are identical) to the top of the new fuel pump using one of the hose clamps provided.
- b. Connect the aluminum fuel filter to the opposite end of this hose with another hose clamp. Be sure that the arrow on the fuel filter is pointing away from the fuel pump.

5) Attach the second hose to the fuel filter with a hose clamp then slide the remaining clamp onto the opposite end of the hose. Be sure the clamp is unscrewed and fully open.

6) Reattach the electrical connections to the top of the pump (the pump is marked positive (+) 4mm and negative (-) 5mm diameter posts). Make sure that the hose clamp for the hose exiting the top of the pump will not touch either electrical connector.

7) Reattach the existing fuel return line to the fuel pump filter screen at the bottom of the pump then snap the pump/damper assembly into the tank making sure that the fuel return line and plastic clips are aligned with the proper cutouts in the tank before snapping it fully in place.

8) Feed the fuel line and filter into the tank and push the open end of the fuel line onto the metal tube at the bottom of the tank, then tighten the clamp.

9) Be sure the fuel filter (Part # FF-859OE or FF-859 (Economy Version) and fuel lines do not interfere with any metal lines inside the tank or with the fuel level sender float arm. Also be sure the fuel filter does not contact any of the metal tubes or the inside of the tank anywhere. To insure this use nylon zip-tie to secure the fuel line exiting the fuel pump to the metal vent line at the forward edge of the fuel filter opening just inside the tank. DO NOT over tighten the zip-tie.



Original Equipment New

Fuel Pump

FP-231OE and FP-231EDL

General Installation Instructions

Please note that when replacing any fuel pump, that the fuel supply lines and tank are clean of ALL debris, contaminants, water, etc. Ensure that the fuel supply plumbing is flushed clean with fresh gasoline. A new fuel filter and screen cleaning is recommended. It is possible that dirt in the fuel supply system may have caused the original pump to fail, and NOT removing the root cause of failure may cause another similar failure.

Warning :

Replacement of the VIBRATION DAMPER (Item # 3 / BMW Part # 16 12 1 464 694) may be necessary. Available as EME part # FP-231KDamper694

This rubber component is prone to particulation due to aging in gasoline.

It may be cracking, and / or appear to be spongy.

If so, rubber particles will re-contaminate your fuel and be ingested into the new fuel pump. These rubber particles will damage your fuel pump and void the warranty.

No warranty will be allowed unless proof of the condition of the vibration damper, and / or receipt with concurrent purchase date, is provided.

Warranty will not be honored for fuel contamination failure.