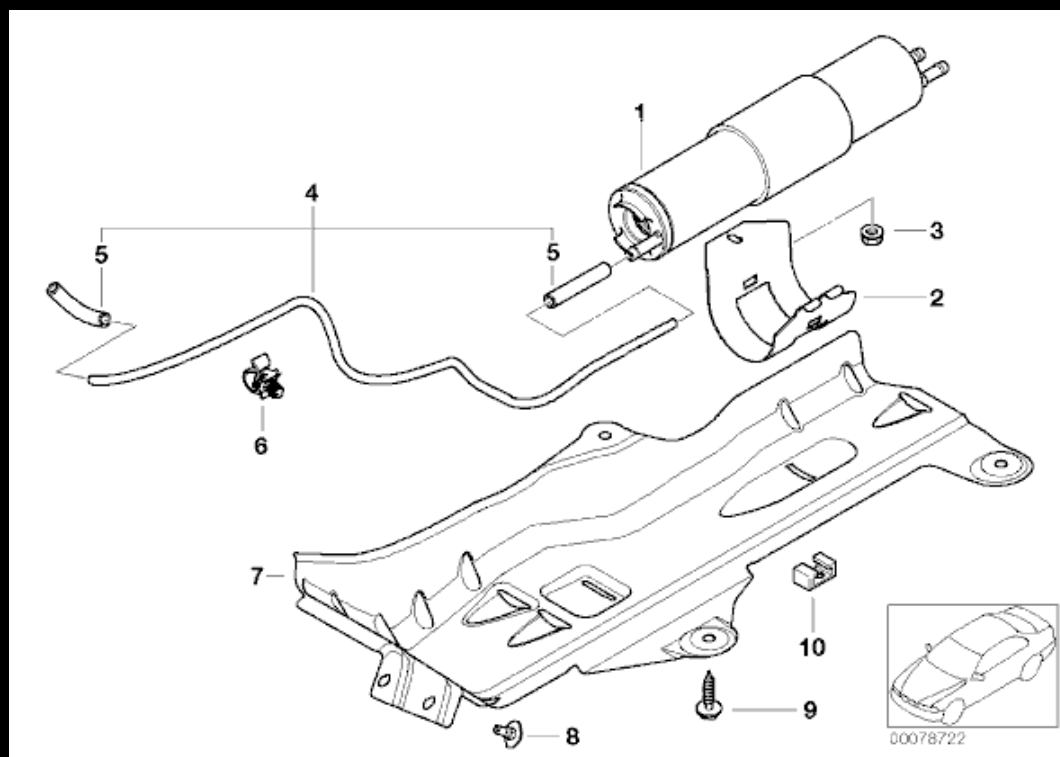


Fuel Filter Installation

When I bought my car, I noticed that sometimes the rpm would drop below normal causing the engine to almost stall. BMW TIS suggested fuel pressure related issue so I decided to change the fuel filter. I bought a genuine filter made by Keyser at a cost of £30 from dealership (Item #1).



No.	Description	Supplement	Qty	From	Up To	Part Number	Price	Notes
<i>i</i>	FOR CONTINUATION OF FUEL PIPE SEE HG 16							
01	FUEL FILTER WITH PRESSURE REGULATOR	D=55MM/L=315MM	1			13327512019	\$69.19	
02	BRACKET FUEL STRAINER	D=55MM	1			13321435583	\$13.39	
03	HEX NUT WITH PLATE	AM6-ZNS	1			07129900681		
03	HEX NUT WITH PLATE	AM6-8-ZNNIV SI	1			07129904553		
04	VACUUM PIPE		1		07/2005	13327503685	\$6.03	
05	VACUUM HOSE BLACK	3,3X1,75	?			51731257971		ENDED
06	CABLE CLAMP		2			61138368029	\$0.36	
07	FUEL FILTER COVER		1			13328230397	\$19.20	
08	HEXAGON NUT WITH COLLAR		2			51718219267	\$0.39	
09	HEX HEAD SCREW WITH WASHER	ST4,8X16MM	3			51718254528	\$0.22	
10	PRESTOL-CAGE	ST4,8	3			07129901746	\$0.28	

To work with the fuel filter you have to raise the car, either with the factory jack (NOT recommended) or with a lift. I went to my trusted mechanic for this. After the car was raised, I located the fuel filter plastic cover, exactly below the passenger's seat. It's held by 1 screw.

I removed the cover which exposed the filter. There are 3 fuel lines. 1 coming from the fuel tank, 1 that goes in the engine fuel rail and another one for the return. I noted how the filter was installed so that I didn't mix the fuel lines, although the hoses are bent in a way that makes it a bit difficult to screw things.

I used a pair of pliers to hold the fuel line coming from the fuel tank and another pair of pliers to catch the fuel output line. This prevented fuel in the hoses from spilling.

Removed the hose clips and the fuel filter by removing the 1 screw that holds it on the car. Installed the new filter, re-installed hoses and removed the pliers.

I started the engine and I noticed a slight misfiring, that was due to the air in the system and until the correct pressure was built. I hit the gas a bit and misfiring went away.