

INSTALLATION INSTRUCTIONS

FUEL FILTER MOUNT

BMW E90/E91/E92/E93

Document: 19-0351

Support: info@radiumauto.com

CAUTION

Only a qualified technician following applicable safety procedures should perform the installation of this product. One must have knowledge in repair and modification of fuel systems and general vehicle modifications to install this product.

Gasoline and other fuels are flammable and can be explosive.

Only install in a well-ventilated location to minimize buildup of fuel vapors.


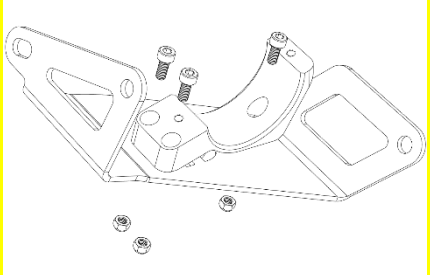


No sparks, open flames, smoking or other ignition sources are to be present. Draining and removal of all fuel from the fuel system is recommended. Proper eye and personal protection is required at all times during installation.







WARNING

The fuel system is under pressure! Do not loosen any connections until relieving the fuel system pressure.

Consult a service manual for instructions on relieving fuel pressure safely. This product is designed for off-highway and racing use only.

Fuel system components may not be legal for sale or use on emissions controlled motor vehicles. Consult local, state, and federal laws.

STEP	TOOLS NEEDED	INSTRUCTIONS	PHOTO
1	Oil Lubrication	The filter has markings identifying "INLET" and "OUTLET". Install the 10AN ORB fittings (not included) to the ports.	
		NOTES:	
		1. Oil lubrication must first be applied to the O-rings to prevent damage.	
		2. Aluminum wrenches can help prevent marring of the anodized hex finish.	
2	4mm Allen Wrench	Install the lower half of the Radium fuel filter mount to the fuel filter bracket using the provided M5 socket head bolts and lock nuts.	
	8mm Wrench		
3	4mm Allen Wrench	Place the fuel filter on the lower half mount in the direction depicted. Install the upper half of the fuel filter mount using the provided M5 socket head bolts, as shown. Center the filter within the clamp and tighten the bolts.	
4	8mm Socket Wrench	Safely lift the vehicle and support with jack stands. Remove the plastic under panels from the front and along the LH side. In the LH side area of the transmission tunnel there is a steel bracket covering the fuel feed line connection. Unscrew the 3 nuts to remove. The OEM steel bracket (shown) will NOT be reused.	
	10mm Socket Wrench		

5	13mm Wrench	As shown, unbolt the M8 nut to remove the large ground strap lug terminal.	
6		Pry the plastic safety clip off the OEM female SAE quick connect fuel feed line shown.	
7	Rag	Push the female SAE quick connect fitting further onto the male SAE quick connect fitting. Simultaneously squeeze the blue lock into the female SAE quick connect fitting and pull the connections apart. Have a rag handy as fuel will likely spill out.	
8	Flat Blade	Starting from the front area, pop the plastic OEM fuel line out of the black plastic retainers one by one working your way to the rear.	
9	Rag	The last retainer will be on a vertical wall leading to the LH gas tank opening. Dislodge this black plastic retainer completely from the body. This will permit the additional space required for the new fuel line (not included). Remove the OEM fuel feed line. Have a rag handy as fuel will likely spill out.	
10	6mm Allen Wrench	Unscrew the black plastic nut that holds the last horizontally positioned retainer to the floor. The black plastic nut will be reused. The plastic retainer will NOT be reused.	

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13mm Wrench

Lineup the 3 fuel filter bracket holes to the OEM studs. Tighten the 3 OEM nuts.

Slide the large ground strap through the bracket behind the filter. Reinstall the ground lug to the stud using the OEM nut.

