

INSTALLATION INSTRUCTIONS

MITSUBISHI EVOLUTION 1-6

FUEL FILTER MOUNT AND KIT



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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.

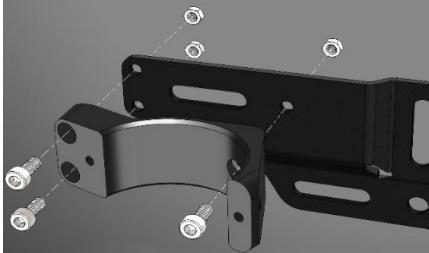
No sparks, open flames, smoking or other ignition sources are to be present. Draining and removal of all fuel from the fuel system is recommended.
Proper eye and personal protection is required at all times during installation.

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	10mm Wrench	The terms "driver-side" and "passenger-side" will NOT be referenced. As depicted, these instructions will always reference "LH" and "RH" areas of the vehicle.	
2		To relieve fuel pressure, temporarily remove the fuel pump fuse. Start the vehicle and allow the engine to stall. Disconnect the negative terminal on the battery.	
3		Unplug the mass air flow sensor on the intake.	
4	10mm Socket	Swing over the metal air box locking retainers and pull out the air filter.	

5		Remove the mass air flow housing from the vehicle.	
6	Pliers	Disconnect the hoses on top of the EVAP charcoal canister.	
7		Pull the EVAP charcoal canister up out of the engine bay.	
8	10mm Socket	Unscrew the M6x1mm bolt that secures the fuel return and EVAP lines to the fuel filter clamp.	
9	19mm Socket Rag	Loosen the nut on top of the fuel filter and remove the banjo feed line connection. Do not lose the crush washers or the bolt as they will be reused. NOTE: Catch the fuel spills from this connection.	
10	19mm Wrench 14mm Flare Nut Wrench	A combination of wrenches will be required for the next step.	

11	19mm Wrench 14mm Flare Nut Wrench Rag	Using a 14mm flare nut wrench, attempt to break the fitting loose on the lower fuel filter inlet. If the fuel filter spins, hold the integrated nut on the bottom of the fuel filter with a 19mm wrench. NOTE: Catch the fuel spills from this connection.	
12	12mm Socket	Remove the 2 mounting screws that secure the fuel filter bracket to the chassis.	
13		Remove the OEM fuel filter assembly from the vehicle.	
14	Oil Lubrication 1" Wrench	Install the black 10AN ORB to M12x1.5mm fitting to the fuel filter outlet port. Install the green 10AN ORB to M14x1.5mm inverted flare fitting to the fuel filter inlet port. NOTE: Be sure to lubricate the O-rings prior to installation.	
15	4mm Allen Wrench 8mm Socket Wrench	Find three of the M5x0.8mm socket head screws and the three M5x0.8mm locking nuts. Secure the lower fuel filter mount to the fuel filter chassis bracket, as shown.	
16	12mm Socket Wrench	Secure the fuel filter chassis bracket using the two OEM fuel filter bracket screws.	

17	Thread Locker 4mm Allen Wrench _____ _____ _____ _____ _____ _____	<p>Apply a medium-strength thread locker to the last two M5x0.8mm socket head screws. Position the upper fuel filter clamp and loosely thread the two M5x0.8mm socket head screws to the lower fuel filter clamp. Do NOT tighten the screws yet.</p>	
18	4mm Allen Wrench _____ _____ _____ _____ _____ _____	<p>When sliding the fuel filter down into place, make sure the "INLET" is down and the "OUTLET" is up. To secure, tighten the 2 clamp screws.</p> <p>NOTE: the fuel filter can slide up or down for optimal position in the specific vehicle.</p>	
19	19mm Wrench 14mm Flare Nut Wrench 1" Wrench _____ _____ _____ _____ _____	<p>As shown, tighten the OEM flare fitting to the lower fuel filter inlet adapter fitting.</p> <p>If the fuel filter spins, hold the upper outlet fitting.</p>	
20		<p>When reinstalling the OEM fuel rail line to the fuel filter outlet, use 2 crush washers on each side of the banjo.</p>	
21	19mm Socket Torque Wrench _____ _____ _____ _____ _____ _____	<p>Tighten the OEM banjo bolt to factory Mitsubishi torque specifications, 18 ft-lbs (25 Nm).</p>	
22	10mm Socket _____ _____ _____ _____ _____ _____	<p>Reinstall the battery. Prime the fuel pump. Check for leaks and fix any that may occur. Start the engine.</p> <p>INSTALLATION COMPLETE</p>	