



# INSTALLATION INSTRUCTIONS

## MITSUBISHI EVOLUTION 1-6

### FUEL FILTER MOUNT AND KIT

Document: 19-0428

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.**




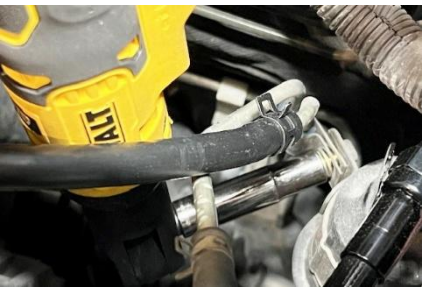
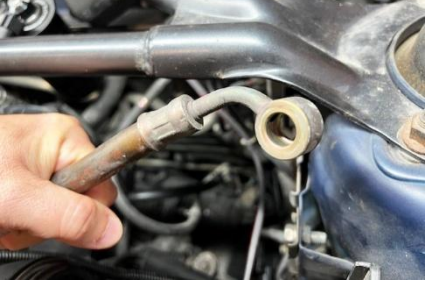

Only install in a well-ventilated location to minimize buildup of fuel vapors.


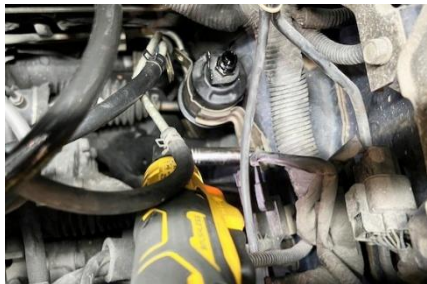


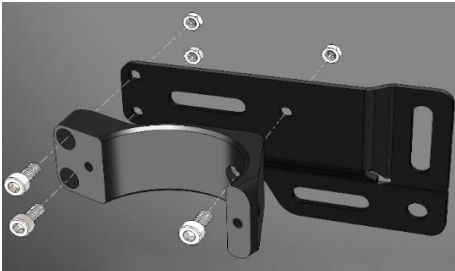
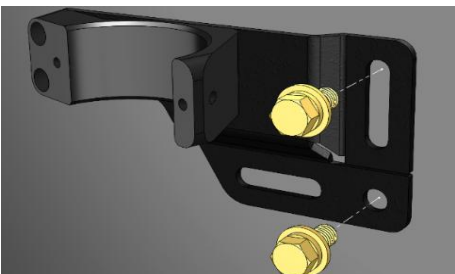
No sparks, open flames, smoking or other ignition sources are to be present. Draining and removal of all fuel from the fuel system is recommended. Proper eye and personal protection is required at all times during installation.

#### WARNING

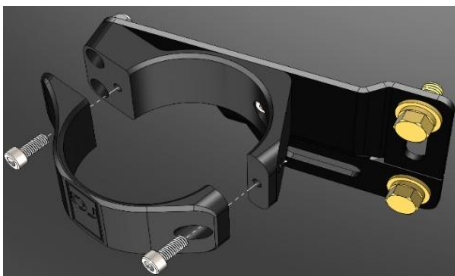

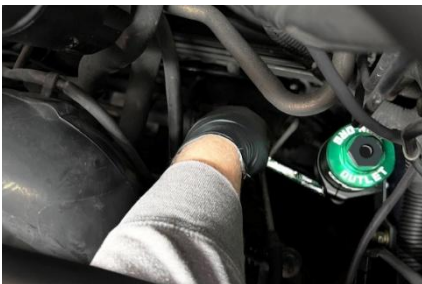



The fuel system is under pressure! Do not loosen any connections until relieving the fuel system pressure. Consult a service manual for instructions on relieving fuel pressure safely. This product is designed for off-highway and racing use only. Fuel system components may not be legal for sale or use on emissions controlled motor vehicles. Consult local, state, and federal laws.

STEP	TOOLS NEEDED	INSTRUCTIONS	PHOTO
1	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		Unplug the mass air flow sensor on the intake.	
3		Swing over the metal air box locking retainers and pull out the air filter.	
4	10mm Socket	Loosen the hose clamp on the mass air flow housing.	

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	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.	
	Rag		
10	19mm Wrench	A combination of wrenches will be required for the next step.	
	14mm Flare Nut Wrench		

11	19mm Wrench	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.	
	14mm Flare Nut Wrench		
	Rag		
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	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.	
	1" Wrench		
15	4mm Allen 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.	
	8mm Socket Wrench		
16	12mm Socket Wrench	Secure the fuel filter chassis bracket using the two OEM fuel filter bracket screws.	



17	Thread Locker	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.	
	4mm Allen Wrench		
18	4mm Allen Wrench	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.	
		NOTE: the fuel filter can slide up or down for optimal position in the specific vehicle.	
19	19mm Wrench	As shown, tighten the OEM flare fitting to the lower fuel filter inlet adapter fitting.	
	14mm Flare Nut Wrench	If the fuel filter spins, hold the upper outlet fitting.	
	1" Wrench		
20		When reinstalling the OEM fuel rail line to the fuel filter outlet, use 2 crush washers on each side of the banjo.	
21	19mm Socket	Tighten the OEM banjo bolt to factory Mitsubishi torque specifications, 18 ft-lbs (25 Nm).	
	Torque Wrench		
22	10mm Socket	Reinstall the battery. Prime the fuel pump. Check for leaks and fix any that may occur. Start the engine.	
		INSTALLATION COMPLETE	