

INSTALLATION INSTRUCTIONS

FUEL FILTER MOUNT

MK4 SUPRA, SC300, SC400

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.

1. Open the trunk. Unclip and remove the trunk cover, carpet, and spare tire.

To uninstall the fuel tank access cover in the center of the trunk, remove the 6 perimeter nuts using a 10mm wrench.



2. To depressurize the fuel system, first squeeze the tab and unplug the gray wiring connector on top of the pump housing (shown).

Start the engine and allow it to stall. Remove the key from the ignition. Unscrew the gas tank filler cap temporarily to relieve any residual pressure.

Pop the hood and disconnect the battery's negative terminal with a 10mm socket wrench.

CAUTION: Disconnecting the battery may cancel fault memories of some control units. Consequently, before disconnecting the car's battery, always interrogate any fault memories.

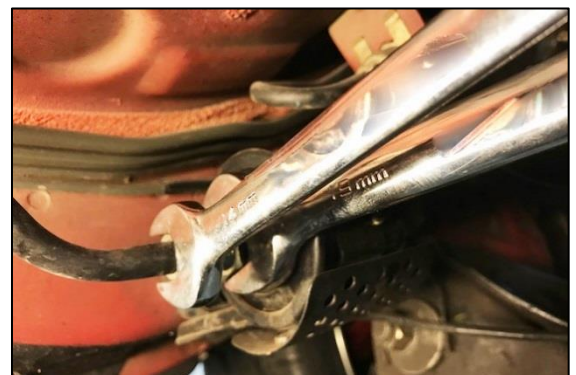


3. Safely lift and secure the vehicle. Find the fuel filter just left of the transmission.

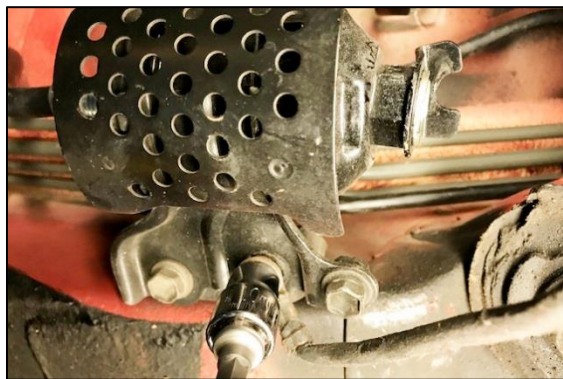
When loosening the ends of the OEM fuel filter fittings, be prepared with a rag as fuel will leak out of these connections.

For the fuel filter inlet, use a 19mm wrench on the fuel filter hex and a 14mm flare nut wrench on the inverted flare fitting hex, as shown.

For the fuel filter outlet, use a 17mm socket breaker bar on the banjo bolt and a 19mm wrench on the fuel filter inlet hex.



4. Using a 10mm socket wrench, remove the ground wire ring terminal bolt. NOTE: This could be found on any one of the 3 bolts shown.

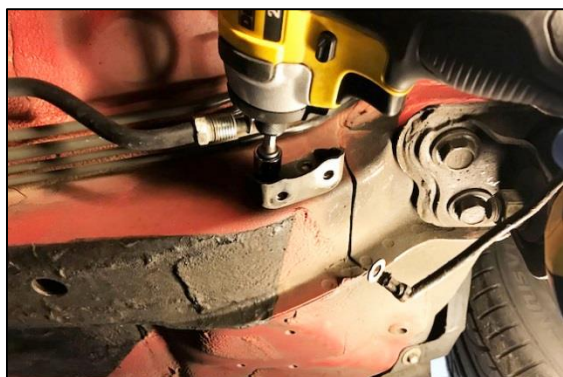


5. Using a 10mm socket wrench, remove the 2 bolts that secure the fuel filter to the fuel filter mount.



6. Using a 10mm socket wrench, remove the 2 bolts that secure the fuel filter mount to the chassis.

The fuel filter, fuel filter fittings, fuel filter mount, and mounting bolts will NOT be reused.



7. From the engine bay, remove the fuel rail feed line banjo bolt.

Using a 10mm wrench, remove the M6 bolt that secures the fuel feed line to the intake manifold.

Using a 12mm wrench, remove the two M10 bolts that secure the fuel pulsation damper housing to the engine block.

In one piece, pull the fuel feed line out of the vehicle. This will include everything from the fuel filter outlet banjo to the fuel rail inlet, as shown.



8. Using a 5mm Allen hex wrench and the included M6 socket head screws, secure the lower mount to the chassis, as shown.



9. Temporarily install the Radium fuel filter (not included) and upper clamp to the lower mount using the 2 socket head screws and a 4mm Allen wrench. Do not torque these bolts yet.

Make sure the filter is orientated so the outlet (denoted in green) is pointing towards the engine.

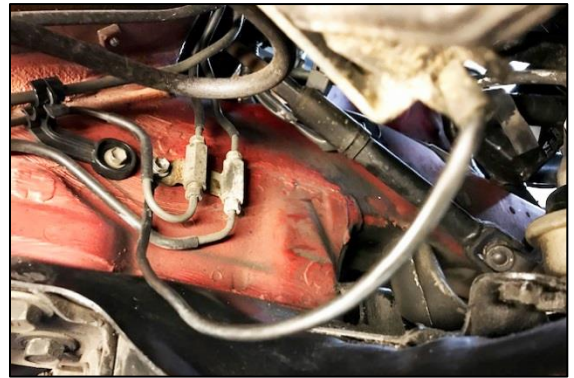
After tightening all related fittings, secure the fuel filter clamp using a 4mm Allen hex wrench.



10. Using a 10mm socket wrench, remove the M6 bolt that secures the brake line adapter junction point shown.



11. Relocate and secure the electrical ground wire ring terminal to the mounting boss, as shown.



12. Reinstall all components in reverse order.

INSTALLATION COMPLETE

