

S550/S650 Ford Mustang GT V8 E-Flex Fuel Filter kit.





Important! Must Read First

Congratulations on the purchase of a KPM Fuel System E-Flex fuel filter kit for your [S550/S650 Mustang GT V8](#).

To ensure your fuel system component is fitted correctly and operates perfectly and reliably, we advise that this kit is fitted by a KPM Fuel Systems Dealer workshop.

If you are unable to access a KPM Fuel Systems Dealer, we **strongly** recommend a professional and experienced fully qualified technician to install your new fuel system component.

Ask your qualified installer to contact KPM Fuel Systems on any aspect not clear in the instructions provided.

Email: support@kpmfuelsystems.com

As a variety of skills, procedures and special tools, are needed to install this kit:

- KPM will take NO responsibility or give NO guarantees on the operation of this product for fitment not carried out by a KPM Fuel Systems dealer or experienced qualified technician.
- Ensure correct workshop safety procedures are carried out in fitment of this kit.
- Please read **ALL** instructions before commencing fitment.

Guarantee

On satisfaction that ALL instructions have been followed as per this document KPM will warrant this KPM Fuel System against any defects or faults for 12 months from the date of purchase.



Important notes

These Instructions detail the fitment to a factory vehicle without modifications. For modified vehicles such as supercharged or turbocharged there may need to be adjustments to the fitment of this fuel filter kit.

For [servicing procedure](#) see page 5.

Using O ring service kit AUP-EFLEXFILT-ORKIT

Or O rings and filter cartridge kit AUP-EFLEXFILT-FORKIT

Before Dismantling

- You will need to reduce residual fuel pressure in the fuel system to 0 kPa to enable disconnection of the factory fuel line.
- You can do this by removing the fuel pump fuse and running the engine until fuel pressure drops to 0 kPa.

Fuel line removal

- 1) Remove any covers to gain access to the fuel line that comes from the steel hardline at the firewall to the fuel rail inlet.
- 2) Either disconnect push lock fittings or use an appropriate line disconnect tool.
- 3) Remove fuel line from vehicle. (This line may differ depending on modifications.)

E-Flex fuel filter fitment

- 4) Observing flow direction on E-Flex fuel filter body pointing to the engine, attach quick connect hoses as shown below. (If you are using different hoses, connect as required ensuring direction of flow is toward the engine.)
- 5) Connect the E-Flex fuel filter inlet line to the hardline at the firewall and the outlet line to the fuel rail as shown below. (If your car is modified under the hood you may need to route differently.)
- 6) Using supplied mounting hardware fix bracket to K frame.





Engine start up

- 1) Refit the fuel pump fuse.
- 2) Prime fuel system and start engine.
- 3) Check all fittings at pump and fuel rail for NO leaks

Servicing procedure

O ring service kit [AUP-EFLEXFILT-ORKIT](#)

O ring and filter cartridge service kit [AUP-EFLEXFILT-FORKIT](#)

1. To service the KPM Fuel Systems E-Flex fuel filter start by releasing the fuel pressure as described at the start of this document.
2. Disconnect fuel lines from filter body.
3. If space is available, slide filter body out of mounting bracket. If no available space, undo mounting hardware and remove filter body.
4. Using suitable tools, unscrew end cap. (Pressure sensor boss end.)
As this cap unscrews there will be a spring firmly clipped into the filter cartridge top. Carefully unclip the spring and place aside for re assembly.

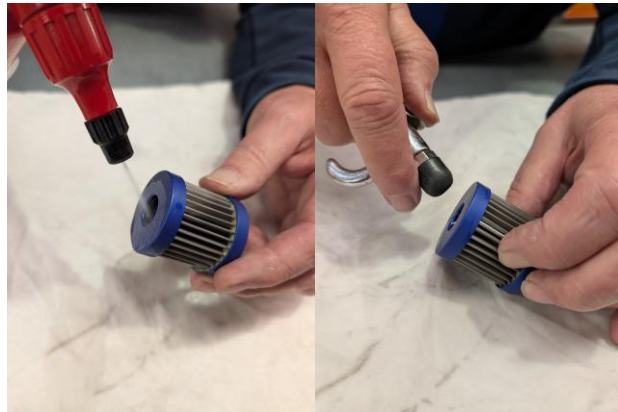


5. Using a suitable tool with a flat end that fits inside of the outlet side gently pop the filter cartridge from its mounting boss and out of the filter housing.



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6. To clean the filter cartridge, use a suitable solvent such as carburetor clean or brake clean. Spray the solvent from the inside of the cartridge through the filter media to the outside. For stubbornly lodged particulates compressed air can be used in the folds of the filter. Finish with spraying more solvent or compressed air (if available) from the inside through to the outside again and leave filter to dry out. Or dry with compressed air.



7. Replace cartridge mounting O-ring and press cartridge back onto mounting boss inside filter the housing. (Highlighted in yellow)



8. Clip spring back onto cartridge top.



9. Replace filter housing end cap o ring (highlighted in yellow) and screw back onto filter housing. Using a torque wrench torque to 5 ft-lb or if you don't have a torque wrench ensure end cap is screwed on firmly and then using a small amount of force lock it tight.



10. Re fit fuel filter assembly to vehicle in reverse order from removal.
11. Carry out engine startup procedure as described earlier in these instructions.