

Installation Guide of Direction-Plus Ryco Pre-Filter for Ford Ranger / Everest 2022+ 4cyl & 6cyl Models

This document is to be used as a guide for the installation of the **Direction-Plus Ryco pre-filter kit (RC671DPK)** to a **2022+ Ford Ranger /Everest 4cyl and 6cyl Diesel**. It is recommended that the installation of the product be carried out by a competent qualified mechanic.

Important Before Starting

- Ensure you have the correct tools to complete the fitment.
- Read the instructions in full and familiarize yourself with the installation, before commencing any work.

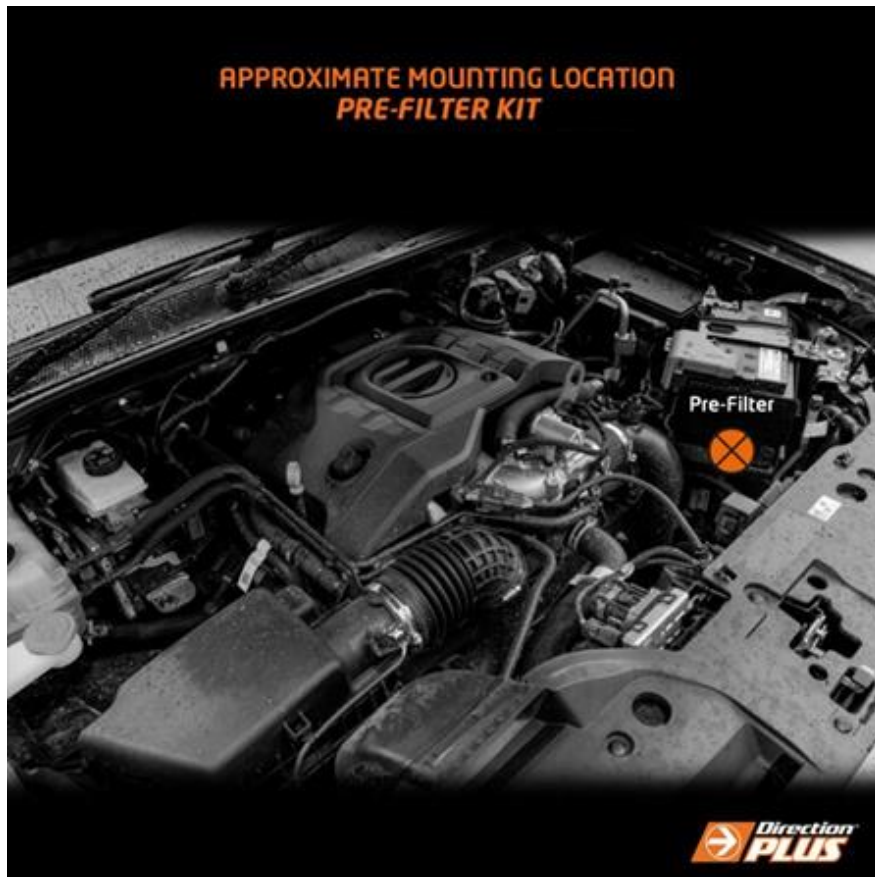
Maintenance / Servicing

- It is recommended to drain the element every 5,000 – 10,000km
- Ryco filter element is to be replaced every 40,000km or as per your vehicles service interval

Included in the kit:



1x RYCO ASSY (Z980SK16L)	2x NUT - NYLOC 6MM (FMN6)	1x WINDSCREEN LABEL (DPLABEL1)
2x FITTING 10MM (DP816-6-M1615)	4x HOSE CLAMP - 10MM (FMC10)	1x ENGINE BAY LABEL (DPLABEL5)
2x PUSH ON 90 DEG - 10MM (DPP0090-06)	3.5m 9.5MM 225 PSI FUEL HOSE (DPFH9)	1x DP STICKER (DPLABEL6)
1x BRACKET (PL671V2-BR)	1x STRAIGHT FEMALE QR - 10MM (DPRP703QRF-06)	1x DEFENCE STICKER (DPLABEL7)
2x M6 X 16mm BOLT (SSSS304M616)	1x STRAIGHT MALE QR - 10MM (DPRP703QRM-06)	1x DP HOLO SECURITY SEAL (DPLABEL8)
2x 6mm Spring Washer (FMSW6)	1x PUSH ON 180 DEG - 10MMDPP00180-06	2x DP BAGS (DPBAG)
4x WASHER - 6MM (FMW6)	10x CABLE TIE 280 X 4.8 (UV)802078	1x DP ZIP LOCK BAG (DPZIPBAG)

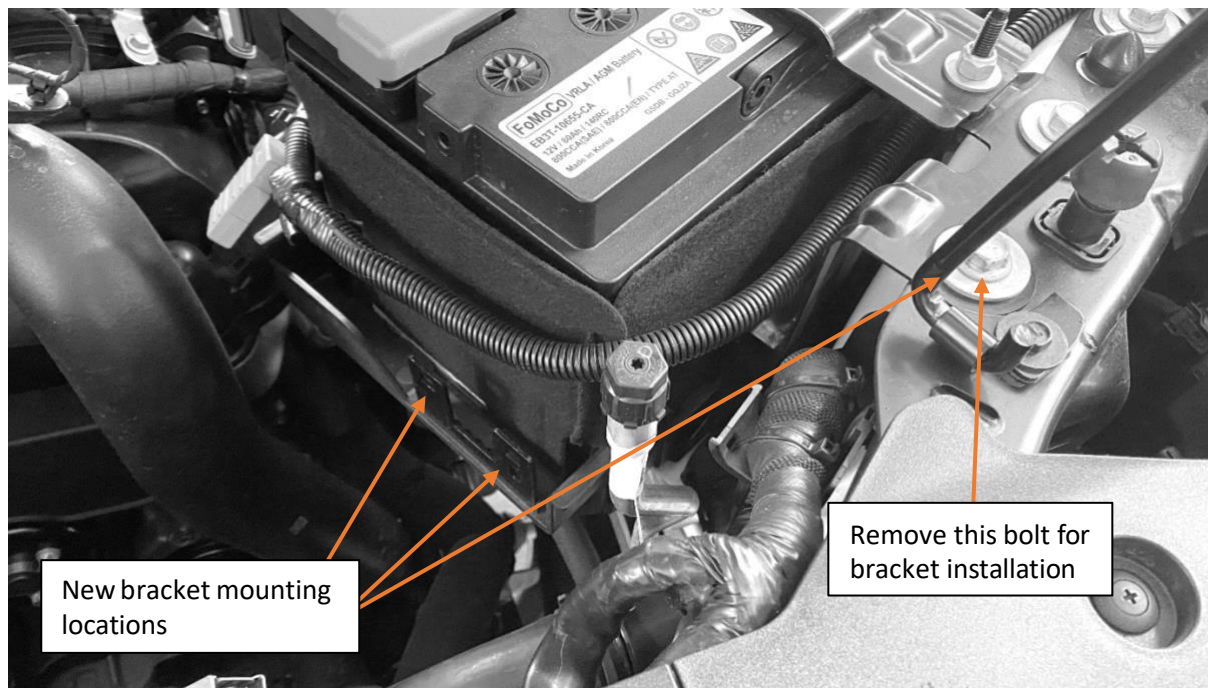


Tools Needed:

- Spanners
- Sockets
- Screw Drivers
- Pliers
- Snips/Cutter
- Rags
- Small container for priming
- We suggest using a thread sealant like Loctite 567 or equivalent.

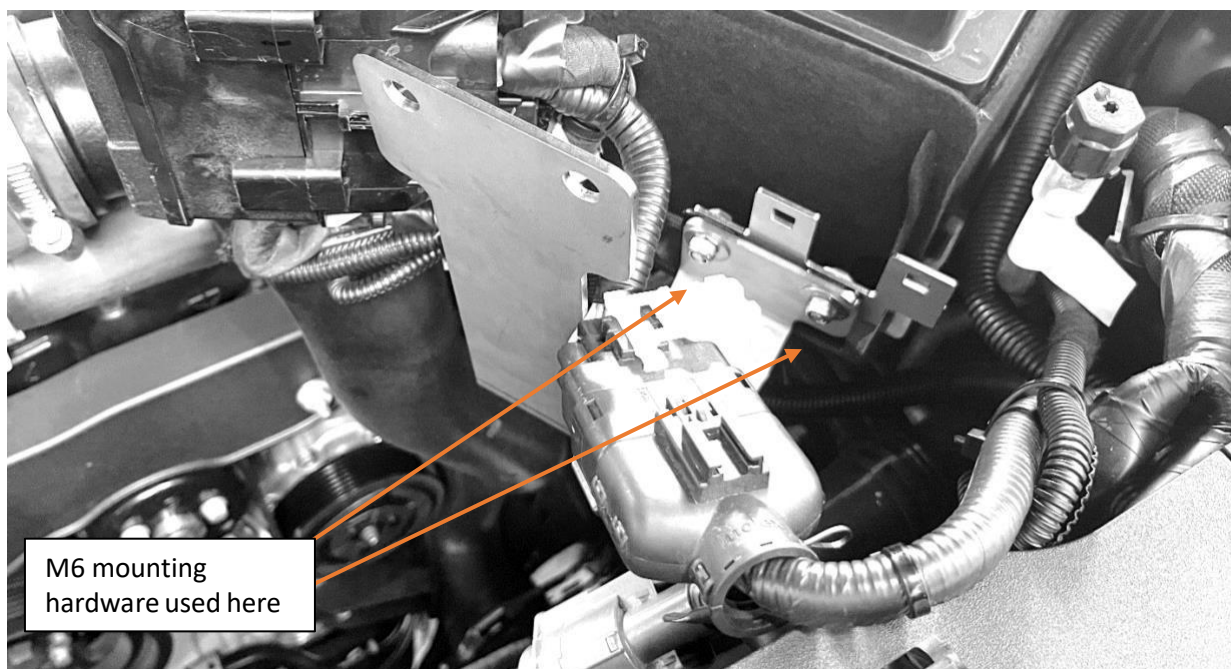
Installation Guide

1. Begin by removing the bolt that secures the battery tray to the radiator support panel.
2. For vehicles with roof mounted switch panel, unclip the accessory fuse box by pushing the tabs in and sliding it up.



DP Ryco Bracket Mounting Locations – Accessory Fuse Box not shown

3. Using the M6x12mm bolts, four flat washers and M6 nyloc nuts, secure the bracket in place as per the photo below.

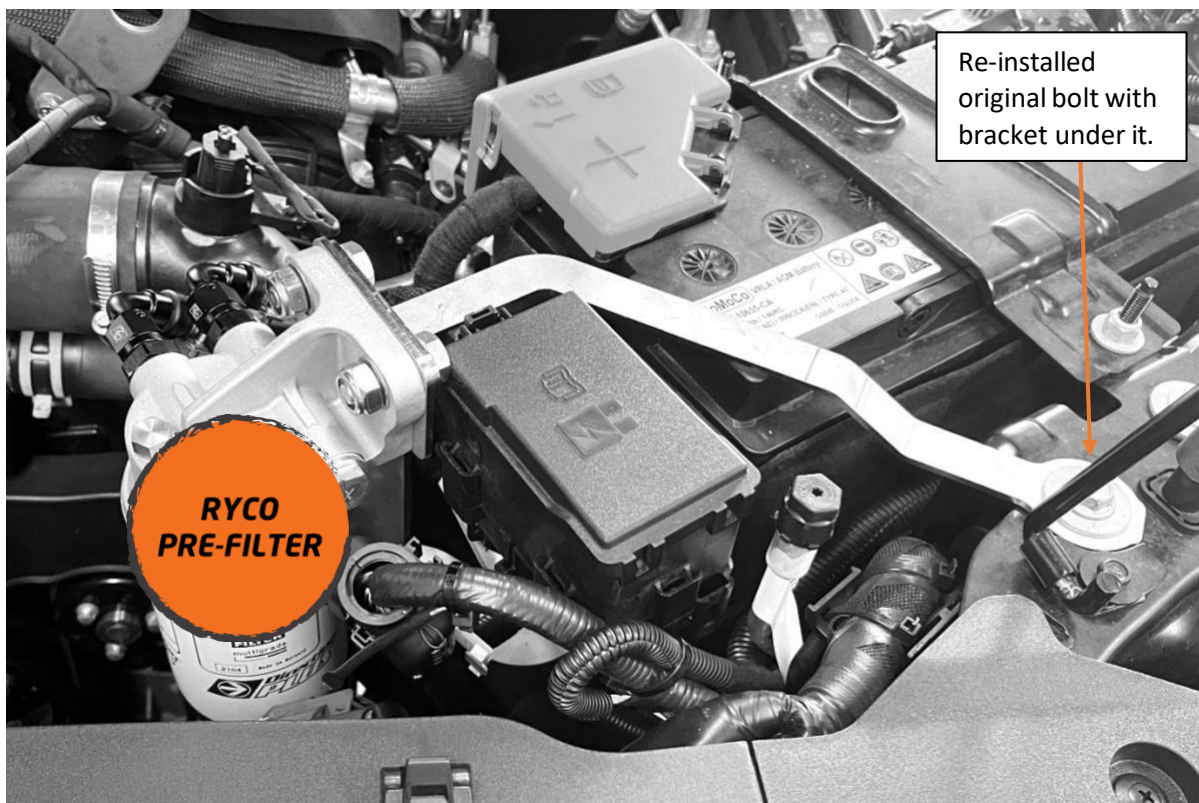


4. Install the threaded adaptors onto the Ryco filter closest to the engine, using the M16 washers between the filter head and the M16 adaptors. make sure to use a sealant like Loctite 567 or equivalent. Keep the exposed -6 thread clean when installing.

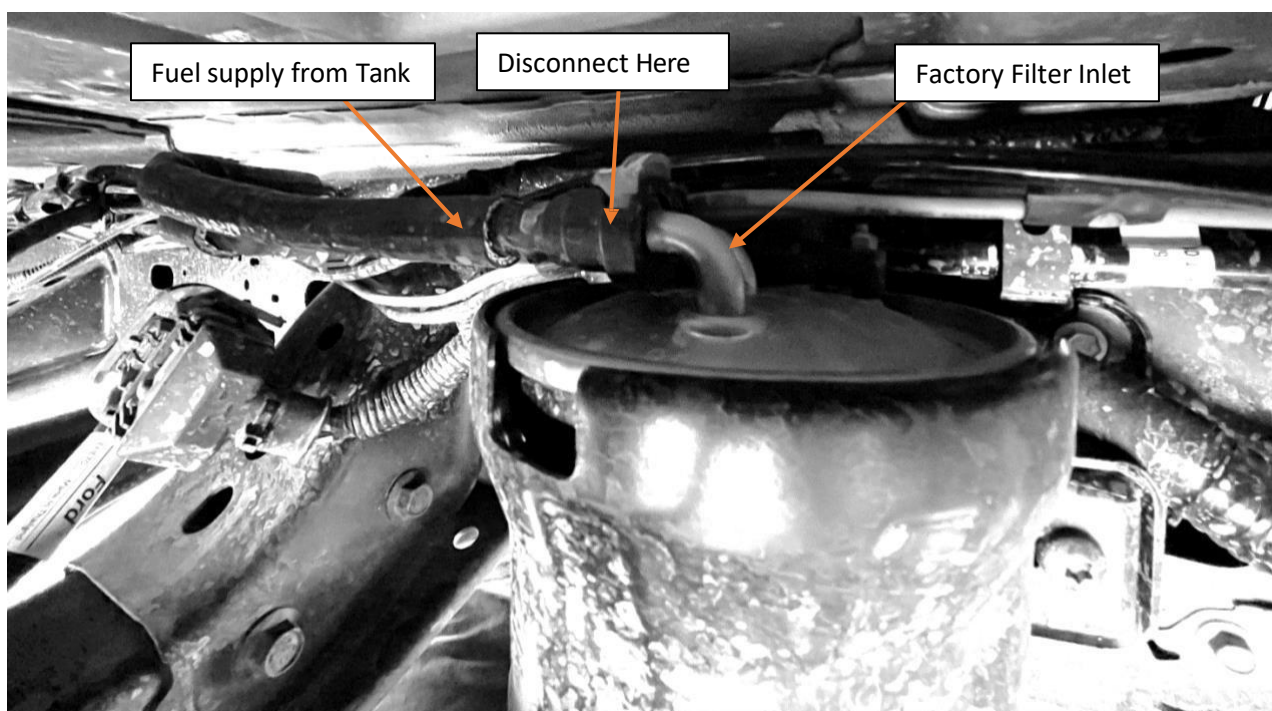


Ryco filter inlet & outlet

5. Install the Ryco filter to the fuel filter bracket and the support brace using the two M10 bolts, 2 x spring washers and 2 x flat washers. Re-install the original Battery tray bolt removed in step 1.



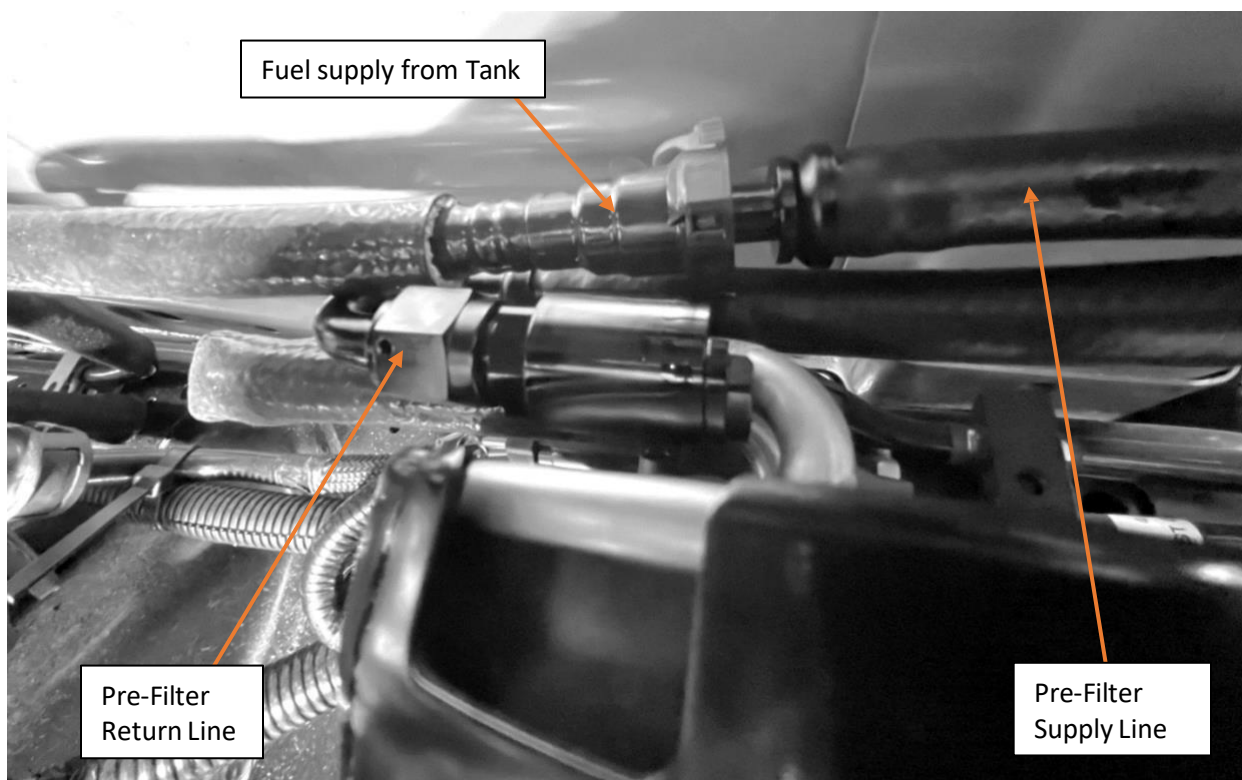
Ryco filter in place on bracket with support brace and accessory fuse box back in place



Factory Fuel Filter hose locations

6. Install the first -6 90° hose fitting to one end of the hose. Make sure the hose is seated all the way on the push lock fitting. Finally, apply Loctite 567 to the -6 thread on the supply port adaptor in the fuel filter before securing the 90° -6 hose fitting in place.

7. Find the factory fuel hose that supplies the factory fuel filter under the passenger side of the vehicle. Run the new hose to this location measure and cut it to length. Install the 3/8 QR male fitting with a hose tail on it into the end of the hose and secure with one of the new stainless EFI hose clamps.
8. Disconnect the factory 3/8 QR female fitting from the inlet to the factory fuel filter. Install the new 3/8 QR male fitting with the hose secured to it into this connector making sure it seats all the way.
9. Install the second -6 90° hose fitting to one end of the remaining hose. Make sure the hose is seated all the way on the push lock fitting. Finally, apply Loctite 567 to the -6 thread on the return port adaptor in the fuel filter before securing the 90° -6 hose fitting in place.
10. Run the remaining new hose to the top of the stock fuel filter you removed the female 3/8 QR fitting from earlier, measure and cut to length. Install the new female 3/8 QR fitting with a hose tail in the kit to the end of the hose and secure with one of the new stainless EFI hose clamps.
11. Connect the new female 3/8 QR fitting to the male port on the top of the factory fuel filter. Take care to make sure it seats all the way.
12. Ensure hose clamps are used with hose fittings
13. Open the bleed port on the new pre filter head and prime the system to remove the excess air in the new filter and lines. Once bled close the bleed port in the filter head.



Ranger 2022+ Pre-filter fuel hose installed – note clamps not installed in this image

14. Once complete start the vehicle, carefully and thoroughly check for leaks.
15. Run the vehicle for at least 20 minutes to ensure there are no air pockets in the fuel system.

End of Installation Guide

