

Direction-Plus™ Ryco Pre-Filter Kit Installation Guide

For Toyota Hilux N80 1GD-FTV

This document is to be used as a guide for the installation of the **Direction-Plus™ Ryco Pre-Filter Kit (RC628DPK)** to a **Toyota Hilux KUN26**. It is recommended that the installation of the product be carried out by a competent qualified mechanic.

Important before starting

- Ensure the engine bay is clean and free from contaminants
- The filter head has direction arrows indicating the direction of flow
- 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

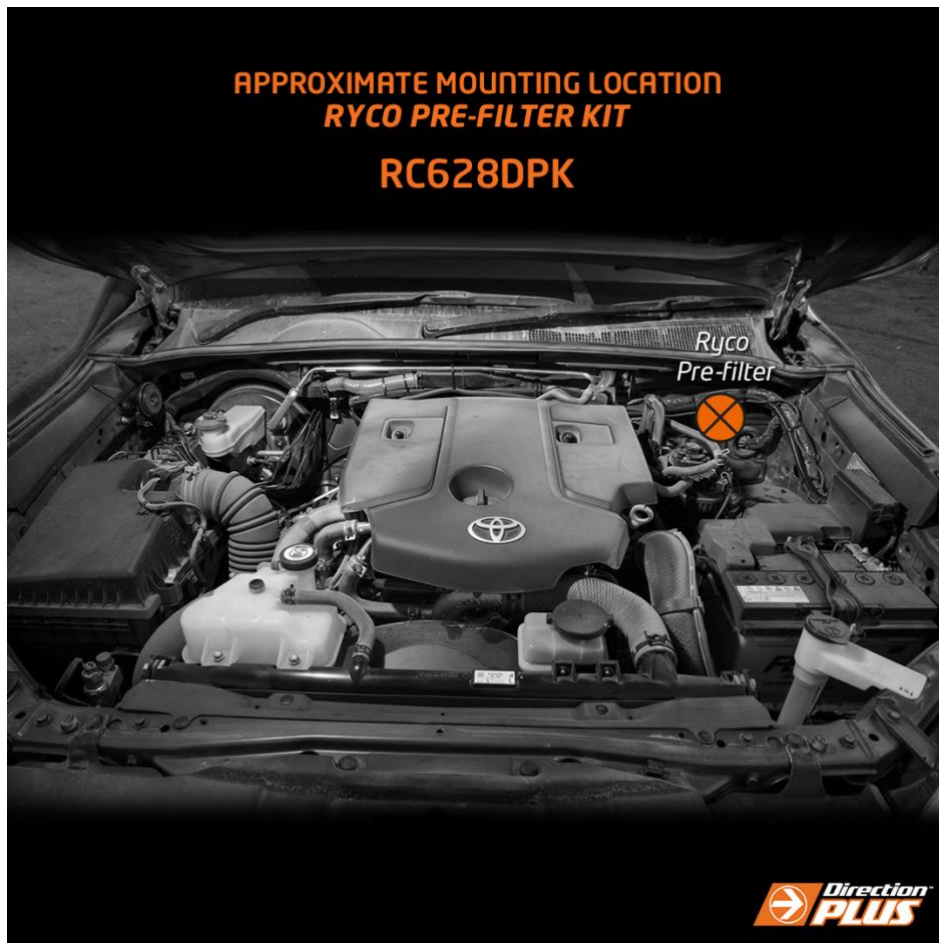
- It is recommended to drain the element every 5,000 – 10,000km
- Ryco element is to be replaced every 40,000km or as per your vehicles service interval

Kit contents



1x N80 BRACKET (PL628-BR)	1x DP HOLO SECURITY SEAL (DPLABEL8)	1x NUT - NYLOC 6MM (FMN6)
1x RYCO ASSY (Z980SK16L)	2x FITTING 10MM (DP816-6-M1615)	9x CABLE TIE (802078)
2x PUSH ON 90 DEG (DPP0090-06)	2x DP BAGS (DPBAG)	1m DFL10 - FUEL HOSE (DPFH10)
1x WINDSCREEN LABEL (DPLABEL1)	1x DEFENCE STICKER (DPLABEL7)	1x DP ZIP LOCK BAG (DPZIPBAG)
1x ENGINE BAY LABEL (DPLABEL5)	1x BOLT - 6X25MM SS (FMB6)	1x RYCO FILTER KIT BOX (RCBOX)
1x DP STICKER (DPLABEL6)	2x HOSE CLAMP - 10MM (FMC10)	1x NUT - NYLOC 6MM (FMN6)

*Kit contents are subject to change based on component availability and/or refinement

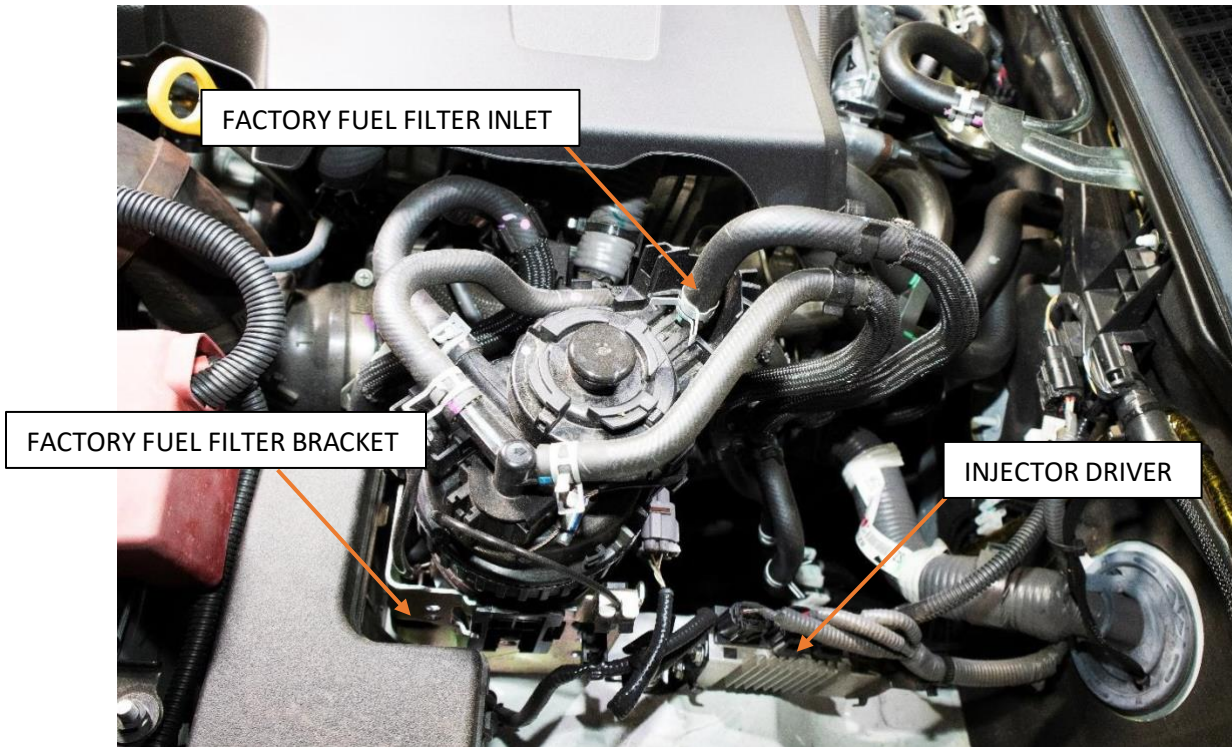


Tools Needed:

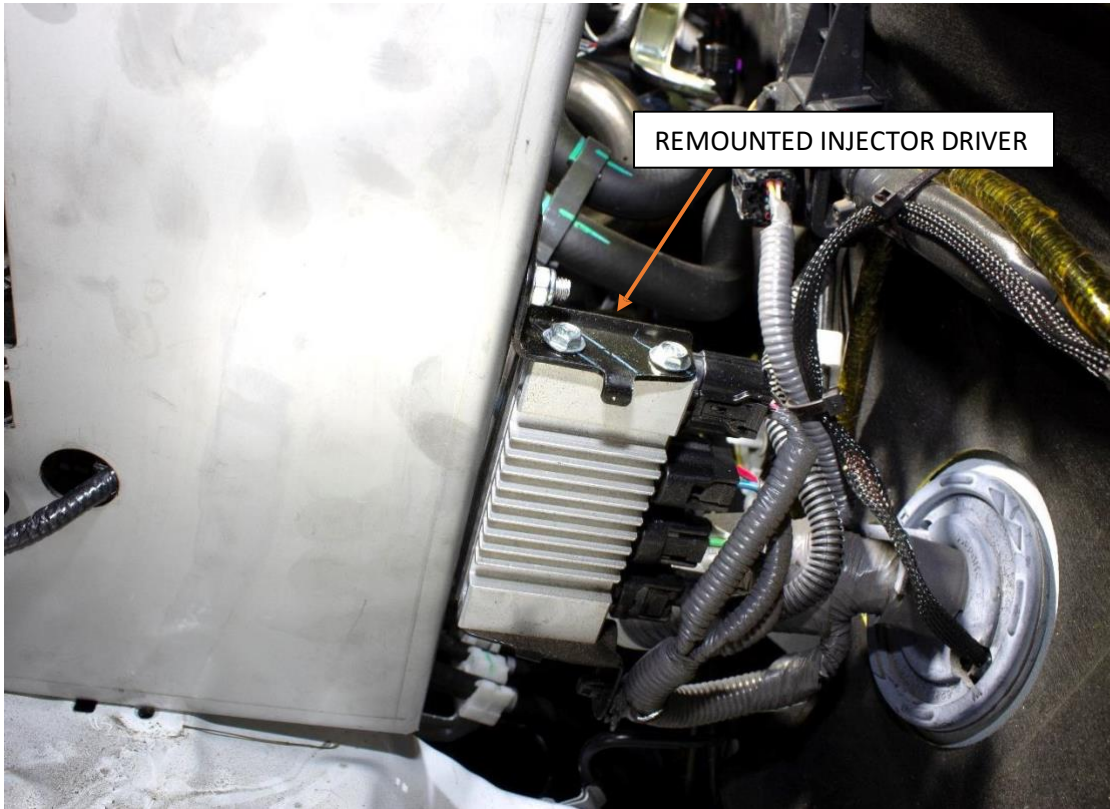
- Spanners
- Sockets
- Screw Drivers
- Pliers
- Snips/Cutter
- Rags
- Small container for priming
- We suggest using a thread sealant like Loctite 567 or equivalent.

Installation Guide

1. Disconnect factory fuel filter inlet hose from both ends and remove from the vehicle. Retain this hose in a safe place so the vehicle can be returned to factory in the future
2. The pre-filter will be mounted we be mounted on the passenger side inner guard, next to where the factor fuel filter is mounted
3. Disconnect the plug attached to the factory fuel filter for the sensors



4. Remove the factory fuel filter from its mounting bracket and place off to one side
5. Remove the factory fuel filter mounting bracket
6. Remove the 6mm bolt holding the injector driver in place
7. Place the pre-filter mounting bracket into the same location as the factory fuel filter
8. Using the factory bolts that were removed from the factory fuel filter mounting bracket secure the pre-filter mounting bracket
9. Use the M6X12 bolt, washers and nut to attach the injector driver to the pre-filter bracket
10. Reinstall the factory fuel filter to the prefilter mounting bracket and reconnect the sensor plug



11. Using the supplied 10mm bolts, washers and nuts, mount the RYCO pre-filter assembly onto the engine side of the bracket. This will allow the fitment of a dual battery system.
12. Install the M16-12mm adaptors and M16 washers into the filter head ports that are facing towards the rear of the vehicle. **Note: it may be required to remove the pre-installed plugs and reinstall them based on the specific installation**





13. Measure from the steel pipe on the firewall (this pipe comes from the tank) to the inlet port of the RYCO head (the arrows on the head indicate direction of flow) and cut to length a piece of the supplied 10mm hose
14. Lubricate the barbed end of one push-lock fitting and the inside portion of the hose to be fitted with a push-lock fitting with diesel fuel or WD40
15. Insert the barbed end of one push-lock fittings into the pre-lubricated end of the hose. Ensuring that the hose stops firmly against the inside of the bell cover.
16. With the assembled hose, screw the push-lock fitting on to the inlet port of the pre-filter. Connect the other end of the same hose to the steel fuel line coming from the tank and secure using a supplied 10mm hose clamp
17. Lubricate the barbed end of the remaining push-lock fitting and the inside portion of the remaining hose to be fitted with a push-lock fitting with diesel fuel or WD40
18. Insert the barbed end of the remaining push-lock fittings into the pre-lubricated end of the hose. Ensuring that the hose stops firmly against the inside of the bell cover.
19. With the now assembled hose, screw the push-lock fitting on to the outlet port of the pre-filter.
20. Measuring the hose in place between the outlet port of pre-filter the inlet of the factory fuel filter, cut the hose to length
21. Connect the 10mm fuel hose to the inlet of the factory fuel filter and secure with a supplied 10mm hose clamp
22. Using the supplied nylon cable ties, secure any loose hose from rubbing on any other components
23. Bleed the fuel system by pumping the hand primer on the factory filter until firm, this will take some time.
24. Start vehicle and run the vehicle, whilst checking all connections for leaks
25. Refer supplement guide for fitting the water alarm system

END OF INSTALLATION