

Direction-Plus™ Ryco Pre-Filter Kit Installation Guide for TOYOTA Landcruiser 70 Series

This document is to be used as a guide for the installation of the **Direction-Plus™ Ryco pre-filter Kit (RC625DPK)** to a **Toyota 70 series**. 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 contaminates
- The fuel manager 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 filter element is to be replaced every 40,000km or as per your vehicles service interval

Kit contents



1x LC70 BRACKET (PL625-BR)	2x PUSH ON STRAIGHT (DPP0001-08)	9x CABLE TIE (802078)
1x RYCO ASSY (Z980SK16L)	2x ADPT 90DEG SVL (DP9490-8-M1615)	1x DEFENCE STICKER (DPLABEL7)
1x M8 1.25 X 40 Z PS SCR (FMB8)	1x WINDSCREEN LABEL (DPLABEL1)	2x ST/SCRW 304 8X25 (SSSS304M825)
3x 8mm Spring Washer (FMSW8)	1x ENGINE BAY LABEL (DPLABEL5)	1x M8 x 16 BOLT 304 SS (SSSS304M816)
3x 8MM X 17MM (FMW8)	1x DP STICKER (DPLABEL6)	1x DP ZIP LOCK BAG (DPZIPBAG)
2m 12MM HOSE (DPFH12-GAT)	1x DP HOLO SECURITY SEAL (DPLABEL8)	1x RYCO FILTER KIT BOX (RCBOX)
2x CLAMP 12MM (FMC12)	2x DP BAGS (DPBAG)	

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

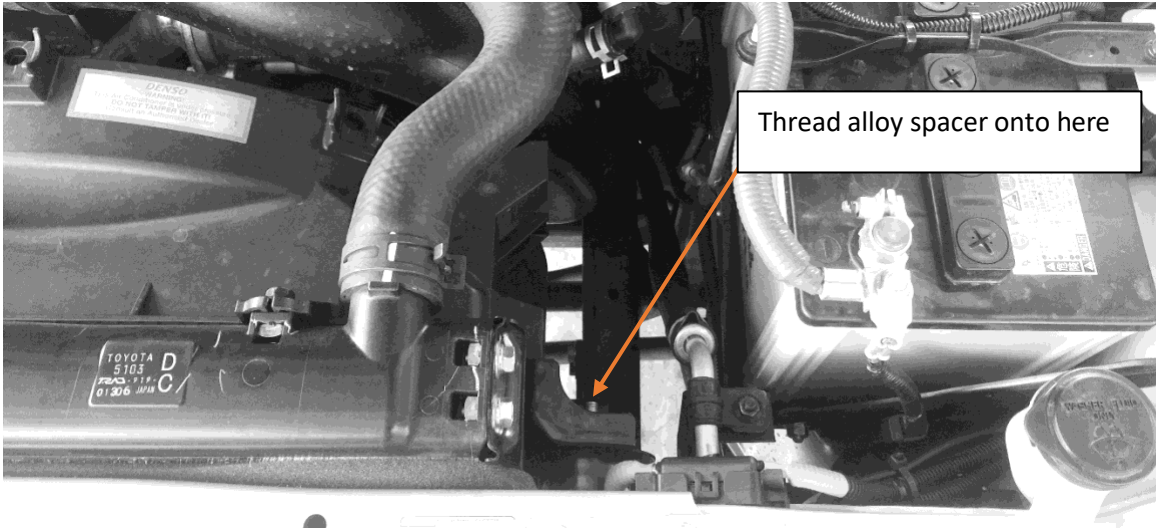


Tools Needed:

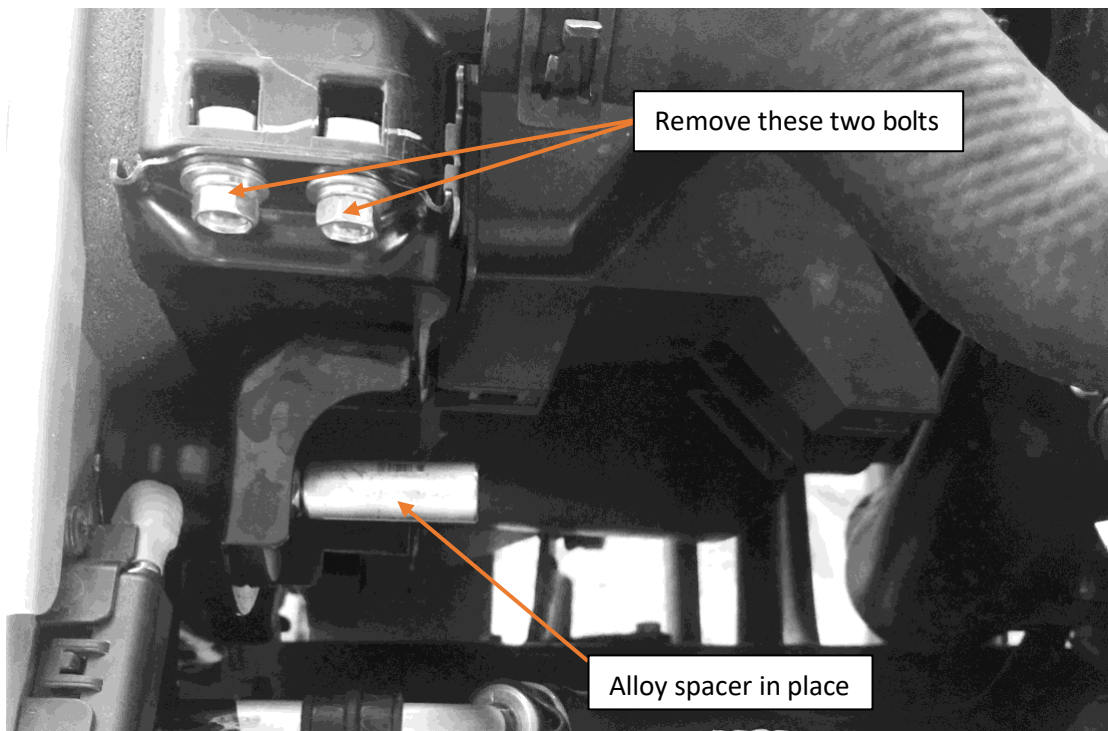
- Spanners
- Sockets
- Screw Drivers
- Pliers
- Snips/Cutter
- Rags
- Small container for priming
- We suggest using a thread sealant like Loctite 567 or equivalent.

Installation Guide

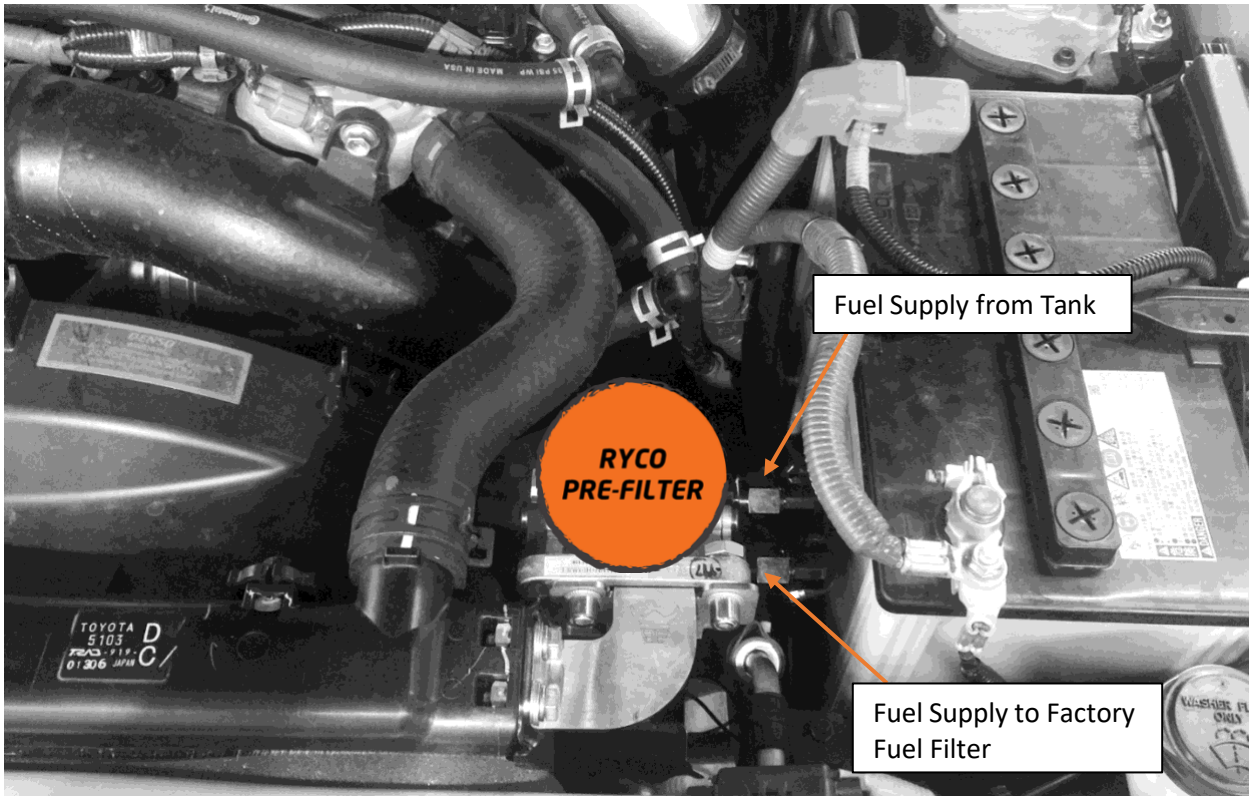
1. Begin by locating the Bolt thread protruding from the radiator support on the passenger side of the vehicle. Thread the 45mm long alloy spacer onto it. Tighten in place



2. Remove the two bolts retaining the top of the radiator on the passenger side of the vehicle, these factory bolts are not reused
3. Using the M8x20mm bolts, flat washers and spring washers, secure the bracket to the top of the radiator mount on the passenger side, where the factory bolts were removed. Secure the bottom of the bracket to the alloy spacer with the M8x12mm bolt, a flat washer and a spring washer. When the bracket is aligned and sitting in place, tighten all bolts.



4. Install the two (2) 90° fittings and M16 flat washers into the RYCO head so that the fitting are facing the battery when the assembly is mounted. Note: it may be required to remove the pre-installed plugs and reinstall them based on the installation.
5. Bolt the fuel filter assembly into place, using the M10x30mm bolts and washers. Adjust the position of the fuel filter assembly to make sure there is clearance from the radiator shroud and the battery. Once you are happy with the location, tighten the bolts and nuts to retain in place.
6. Disconnect the fuel supply line to the factory fuel filter, remove this short hose completely. On the rigid line from the tank





7. Lubricate the barbed end of one (1) of the push-lock fittings and the inside portion of the hose to be fitted with a push-lock fitting with diesel fuel or WD40
8. Insert the barbed end of one (1) of the push-lock fittings into the pre-lubricated end of the hose. Ensuring that the hose is firmly stopped against the inside of the bell cover.
9. With the assembled hose, screw the push-lock fitting on to the inlet port of the RYCO head
10. Cutting the hose to the required length, connect the other end of the hose to the steel pipe from the fuel tank and secure with a 12mm hose clamp
11. Lubricate the barbed end of the remaining push-lock fitting and the inside portion of the hose to be fitted with a push-lock fitting with diesel fuel or WD40
12. Insert the barbed end of one the remaining push-lock fitting into the pre-lubricated end of the hose. Ensuring that the hose is firmly stopped against the inside of the bell cover.
13. With the assembled hose, screw the push-lock fitting on to the inlet port of the RYCO head
14. Cutting the hose to the required length, connect the other end of the hose to the of the factory fuel filter tank and secure with a 12mm hose clamp
15. Using the supplied nylon cable ties, secure any loose hose to prevent it from rubbing against any other components.
16. Prime the system using the hand primer on the factory filter. When the primer goes firm, the engine is ready to start.
17. Start and run the engine whilst checking ALL connections for leaks.
18. Refer supplement guide for fitting the water alarm system

END OF INSTALLATION