



Direction-Plus™ Ryco Pre-Filter Kit Installation Guide for ISUZU D-MAX 2012-2017 130Kw

This document is to be used as a guide for the installation of the **Direction-Plus™ Ryco Pre-filter Kit (RC601DPK)** to a D-Max 2012-2017. 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

- Ryco filter element is to be replaced every 40,000km or as per your vehicles service interval.

Kit contents



1x bracket (PL601-BR)	1x holo security seal (DPLABEL8)	4x washer - 6mm (FMW6)
1x Ryco assy (Z980SK16L)	1x engine bay label (DPLABEL5)	2x m6 x 16mm bolt (SSSS304M616)
2x clamp 12mm (FMC12)	1x DP sticker (DPLABEL6)	2x push on straight (DPP0001-08)
2m 12mm hose (DPFH12-GAT)	1x defence sticker (dlabel7)	2x adaptor 90deg SVL (DP9490-8-M1615)
2x DP bags (DPBAG)	9x cable tie (802078)	1x zip lock bag (DPZIPBAG)
1x windscreen label (DPLABEL1)	2x 6mm spring washer (FMSW6)	1x Ryco filter kit box (RCBOX)

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

**APPROXIMATE MOUNTING LOCATION
RYCO PRE-FILTER KIT
RC601DPK**

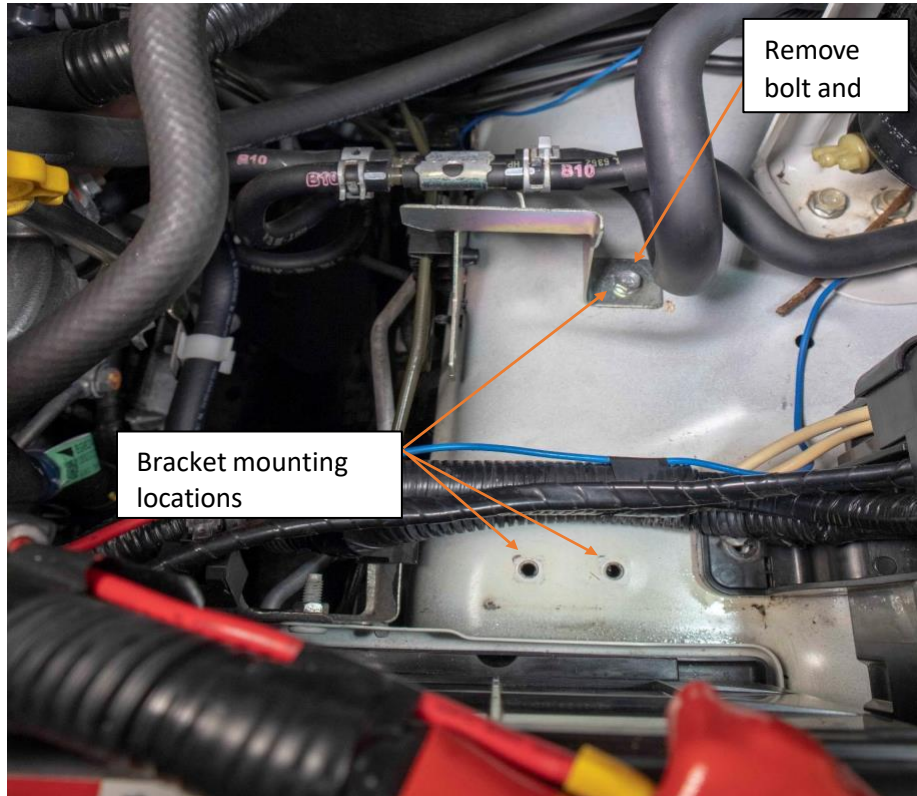


Tools Needed:

- 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. Remove the M6 bolt from the bracket that secures the fuel lines to the inner guard



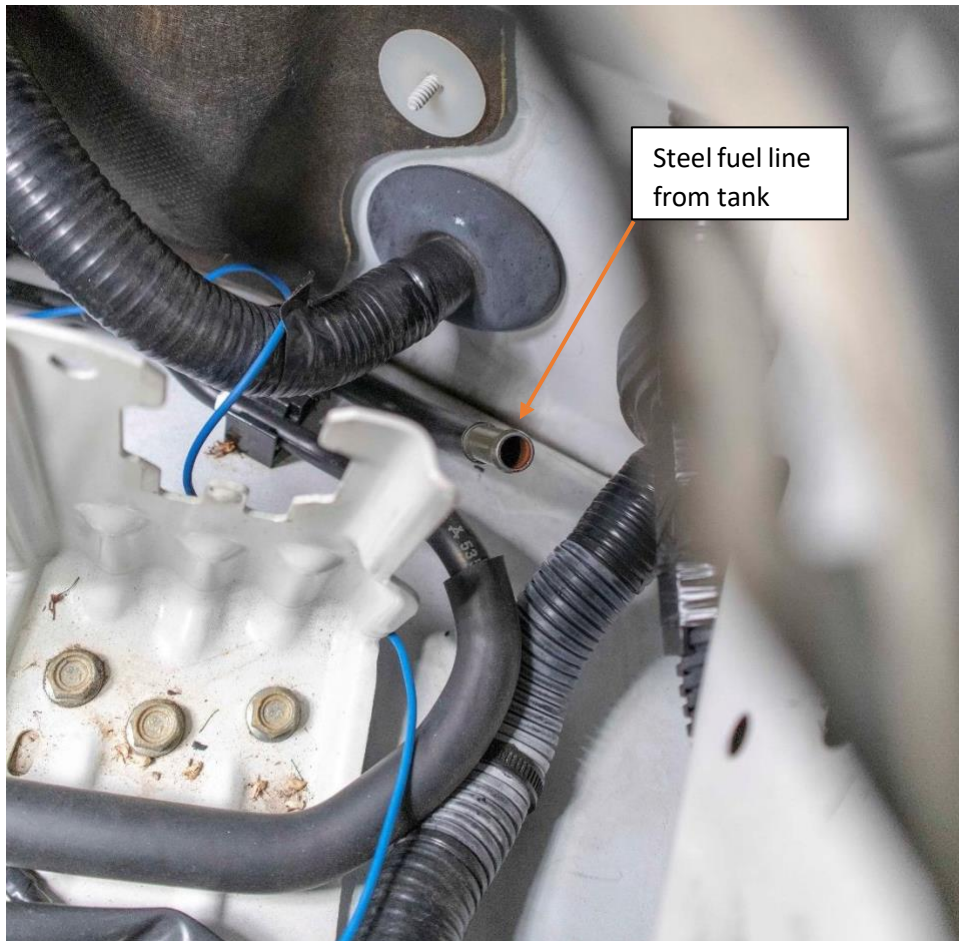
2. With supplied 6mm bolts secure the base of the bracket and refit the factory 6mm bolt to the fuel line brace securing the rear of the mounting bracket.



3. Using the supplied 10mm bolts, washers and nuts, mount the Z980SK16 filter assembly filter to the bracket
4. Install the M16 -12mm adaptors and M16 flat washers into the filter head ports that are closest to the fender. **Note: it may be required to remove the pre-installed plugs and reinstall them based on the specific installation.**

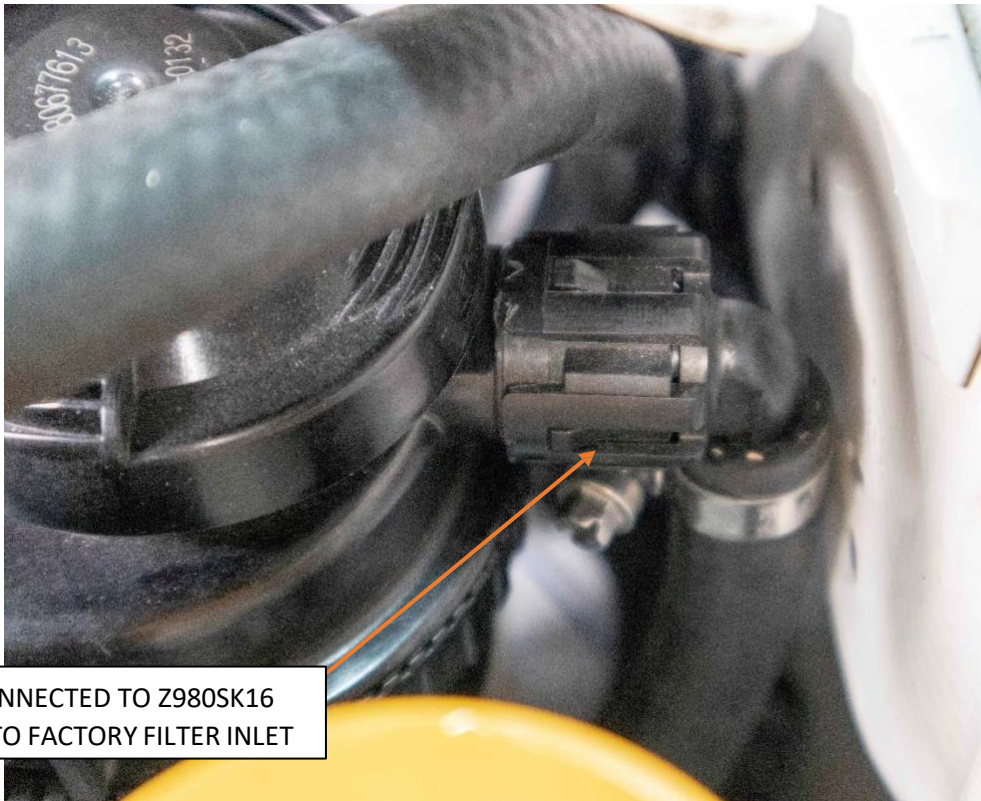


5. Lift the factory fuel filter out of the factory mounting bracket and sit to one side.
6. Identify the hose on the factory fuel filter that is closest to the fender, this is the inlet hose. Trace this hose down to the firewall.



7. Disconnect factory fuel filter inlet hose from both ends and completely remove from the vehicle. Retain this hose in a safe place so the vehicle can be returned to factory in the future
8. Measure from the steel pipe on the firewall (this pipe comes from the tank) to the inlet port of the fuel manager head (the arrows on the head indicate direction of flow) and cut to length a piece of the supplied 12mm hose
9. 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
10. 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.
11. 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 12mm hose clamp

12. 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
13. 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.
14. With the now assembled hose, screw the push-lock fitting on to the outlet port of the pre-filter.
15. Measuring the hose in place between the outlet port of pre-filter the inlet of the factory fuel filter, cut the hose to length
16. Connect the 12mm fuel hose to the inlet of the factory fuel filter and secure with a supplied 12mm hose clamp



17. Refit the factory fuel filter back into its mounting bracket.
18. Using the supplied nylon cable ties, secure any loose hose from rubbing on any other components
19. Bleed the fuel system by pumping the hand primer on the factory filter until firm, this may take some time
20. Start vehicle and run the vehicle, whilst checking all connections for leaks
21. Refer supplement guide for fitting the water alarm system

END OF INSTALLATION