

TOYOTA Land Cruiser 75 Series

(Dual Battery and ARB Compressor)

Direction-Plus™ Pre-Filter Kit Installation Guide

This document is to be used as a guide for the installation of the Direction-Plus™ Fuel Manager™ FM100 pre-filter Kit to a Toyota 75 series. It is recommended that the installation of the product be carried out by a competent qualified mechanic.

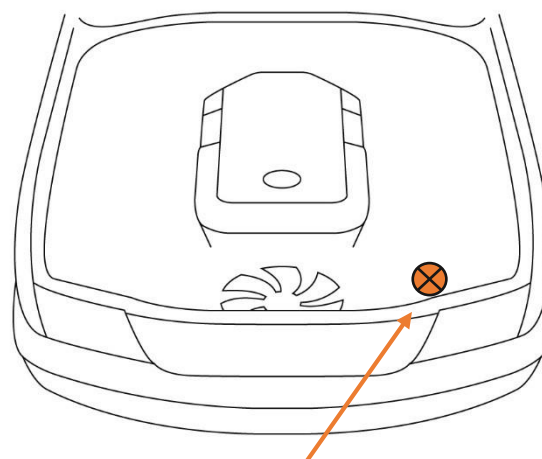
Important before starting

- 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

Kit contents

M8 1.25 X 40 Z PS SCR
 2 BOLTS 2 NUTS 4 WASHERS
 823-08-03-011 - FITTING 12MM
 8MM X 17MM ZINC
 BOLT - 6X25MM ZINC
 BRACKET - L/C 70 SER SUITS ARB COMPRESS
 DFL12 - FUEL LINE RUBBER (12MM)
 DP733-04 - 1/4 "NPT PLUG
 ELEMENT ASSEMBLY 30M - 3.6""
 FM ENGINE BAY LABEL
 FM100 30 MICRON FILTER ASSY
 FMC12 - CLAMP 12MM
 LOCTITE 567 THREAD SEALANT - 6ML
 NUT - NYLOC 6MM
 NYLOC NUT M8
 PUSH ON STRAIGHT - 12MM
 WASHER - 6MM
 WINDSCREEN LABEL

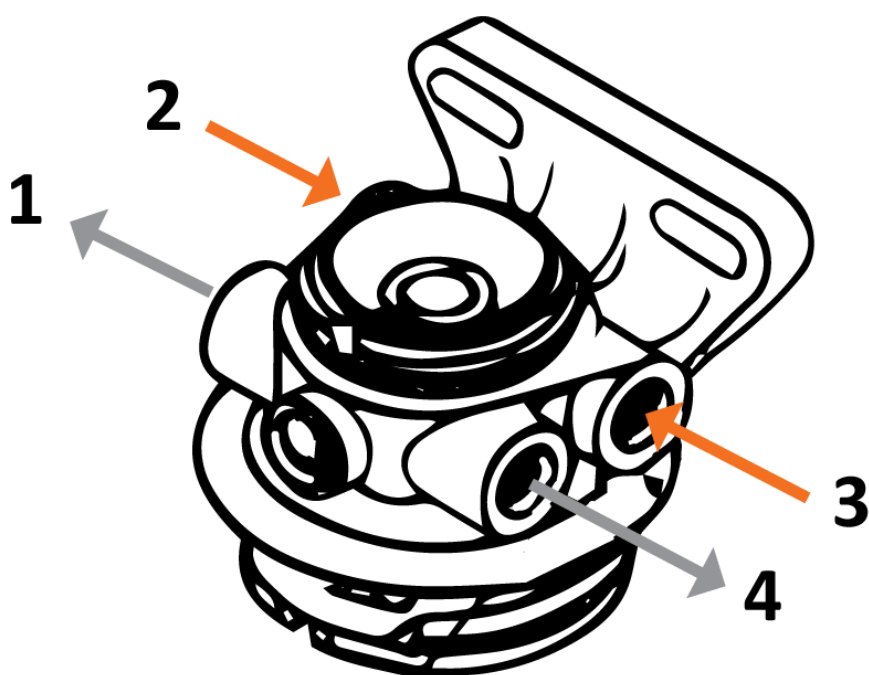
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Pre-filter mounting location

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

Fuel Manager Pre-Filter Normal Flow Header Connection



Ports 2 and 3 = INLET
Ports 1 and 4 = OUTLET



Installation Guide

1. On non-airbag model Land Cruiser, the small fuse panel will need to be relocated to the front of the battery tray support using the supplied 6mm nut and bolt.
2. Remove the two (2) 12mm bolts from the radiator support.
3. Place the supplied 8mm washer on to the radiator mounting stud. PLEASE NOTE the 8mm nut on the radiator support stud does NOT need to be removed.
4. Place the supplied Direction Plus mounting bracket on the radiator support stud and secure with supplied 8mm nut. Reuse and refit the two (2) 12mm bolts in to the radiator support.
5. Attach the Direction Plus Pre-Filter assembly to the bracket using the supplied 10mm bolts, washers and nuts.
6. Ensuring you have a push-lock barb fitting on the INLET and OUTLET side, install the ¼ NPT barb fittings into the Direction Plus filter assembly using the supplied LOCTITE thread sealant.
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. Fit the supplied fuel line to the INLET side of the factory Toyota final filter and to the OUTLET side of the Direction Plus Pre-Filter assembly.
10. Fit the original/ factory supply fuel line in to the INLET port of the Direction Plus Pre-Filter.
11. Reconnect outlet pipe of the factory filter to the inlet of the common rail supply pump.
12. Apply a small amount of LOCTITE thread sealant (supplied) to the two (2) remaining black ¼ NPT plugs and install them in to the two (2) remaining ports on the Direction Plus pre-filter head/ assembly.
13. Ensure all fuel lines are suitably secured.
14. Using the supplied nylon cable ties, secure any loose hose to prevent it from rubbing against any other components.
15. Prime the system using the hand primer on the factory filter. When the primer goes firm, the engine is ready to start.
16. Start and run the engine whilst checking ALL connections for leaks.

END OF GUIDE