



# TOYOTA 200 Series V8 (Dual Battery) and TOYOTA 75 Series V8 (Single Battery) Up to March 2013.

## 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 200 Series and 75 series V8. It is recommended that the installation of the product be carried out by a competent qualified mechanic.

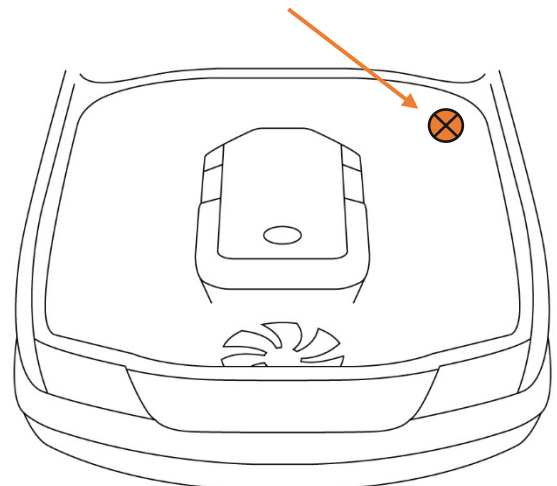
### **Important before starting**

- 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**

1/4 "NPT STRAIGHT - 12MM	2
2 BOLTS 2 NUTS 4 WASHERS	1
BRACKET - 200 SER LANDCRUISER	1
DFL12 - FUEL LINE RUBBER (12MM)	1
DP733-04 - 1/4 "NPT PLUG	2
ELEMENT ASSEMBLY 30M - 3.6"	1
FM ENGINE BAY LABEL	1
FM100 30 MICRON FILTER ASSY	1
FMC12 - CLAMP 12MM	2
LOCTITE 567 THREAD SEALANT - 6ML	1
PUSH ON STRAIGHT - 12MM	2
WINDSCREEN LABEL	1

Pre-filter mounting location



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

### **Installation Guide**

1. Remove inlet hose from original/ factory fuel filter.
2. Remove the two (2) retaining nuts on top of the factory fuel filter.
3. Install the Direction Plus bracket on top of the original filter housing and refit the retaining nuts. 2007-ON models may require to have the bracket mounted underneath the original housing for bonnet clearance.
4. Install the ¼ NPT adaptors into the plugs into the Direction Plus filter assembly using the supplied LOCTITE thread sealant.
5. Mount Fuel Manager filter assembly on to the bracket.



6. 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.
7. 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.
8. With the assembled hose, screw the push-lock fitting in to the INLET port of the Direction Plus Pre-Filter.
9. Connect the inlet side of the final original filter to the outlet of the Fuel Manager filter.
10. Fit the original/ factory supply fuel line to the inlet of the Fuel Manager.
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