



# Isuzu DMAX Fuel Manager Prefilter Installation Guide

This document is to be used as a guide for the installation of the Direction-Plus™ Isuzu DMAX FuelManager FM100 prefilter/water separator Kit to a 2020 Isuzu DMAX.

It is recommended that the installation of these products be carried out by a competent, qualified mechanic.

**\*Images are for reference purposes, actual product may differ.**

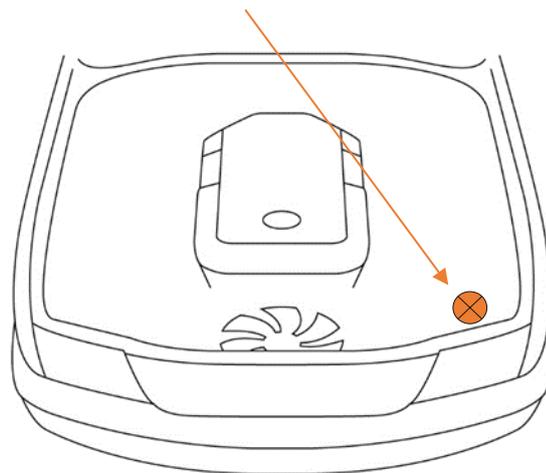
## **Important before starting**

- 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

## **Included in the kit**

- 1 x Mounting Bracket
- 8 x Cable Ties
- 2 x M8 Flat Washers
- 1 x M8x16 Bolt
- 1 x M8 Stainless Steel Nuts
- 2 x M6 Flat Washers
- 2 x M6 nyloc Nut
- 1 x FM100 prefilter
- 2 x M10x35 bolt
- 4 x M10 flat washer
- 2 x M10 nyloc nut
- 1 x thread sealant
- 2 x 90° -8 12mm barbed fitting
- 2 x 12mm adapters
- 1 x 2000mm of 12mm fuel hose
- 2 x 12mm hose clamps

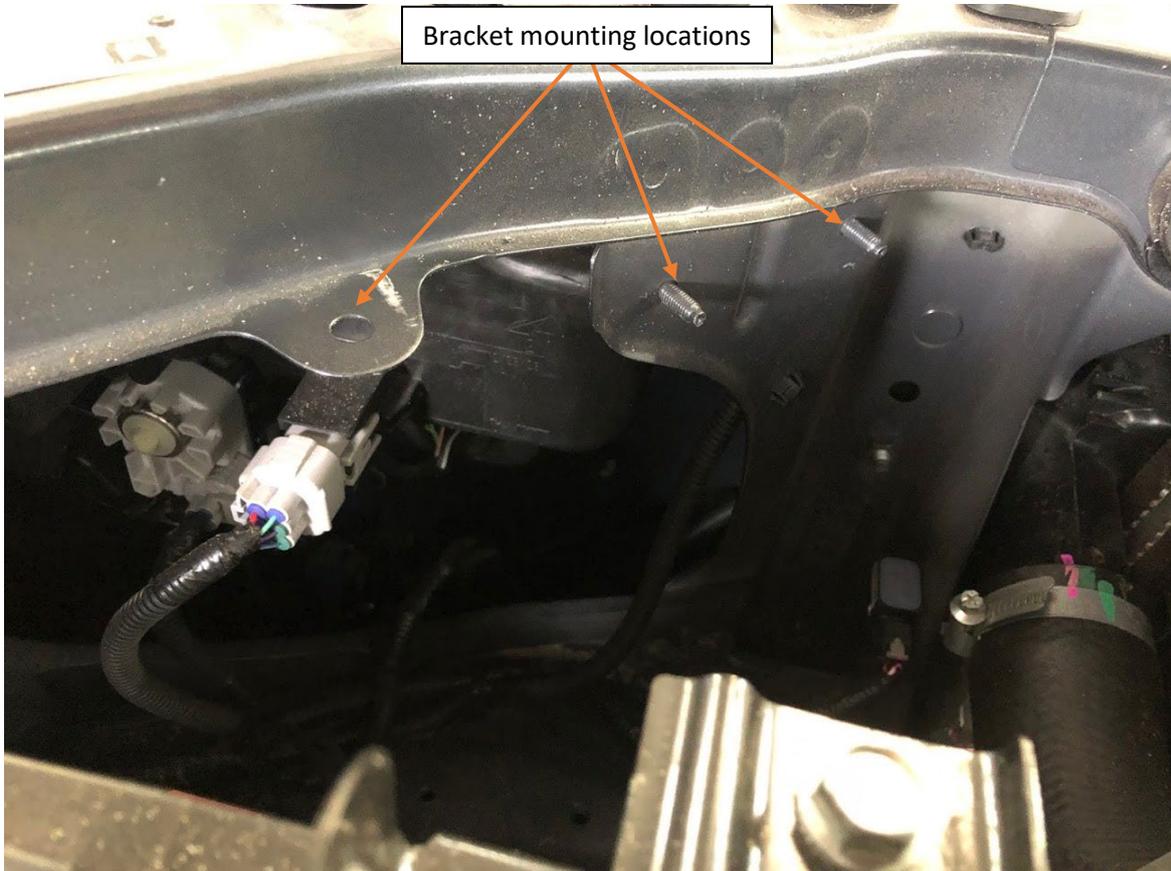
Approximate mounting location



Kit contents are subject to change based on availability



prefilter kit mounts in this corner

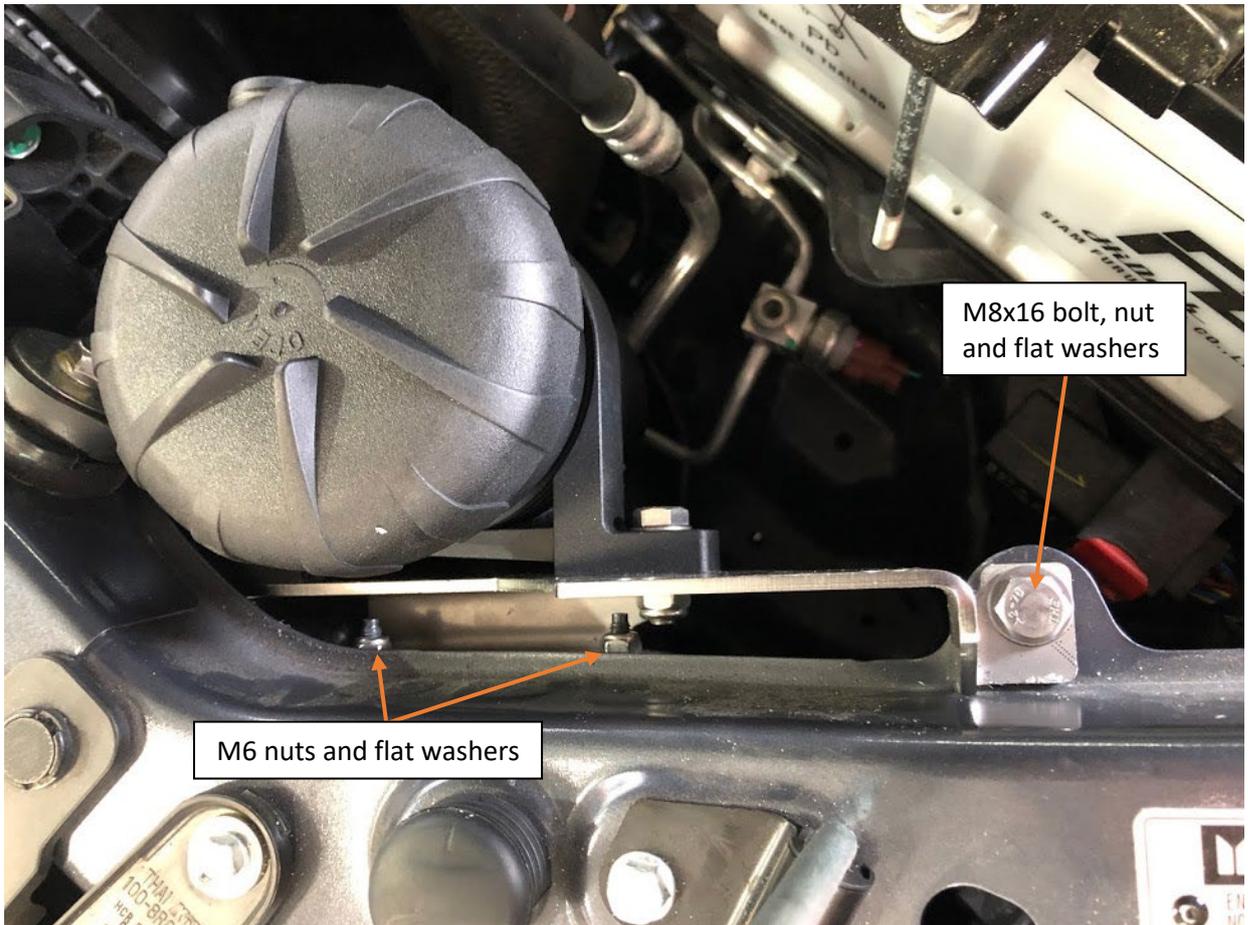


Bracket mounting locations

*Picture taken showing behind the passenger side head light*

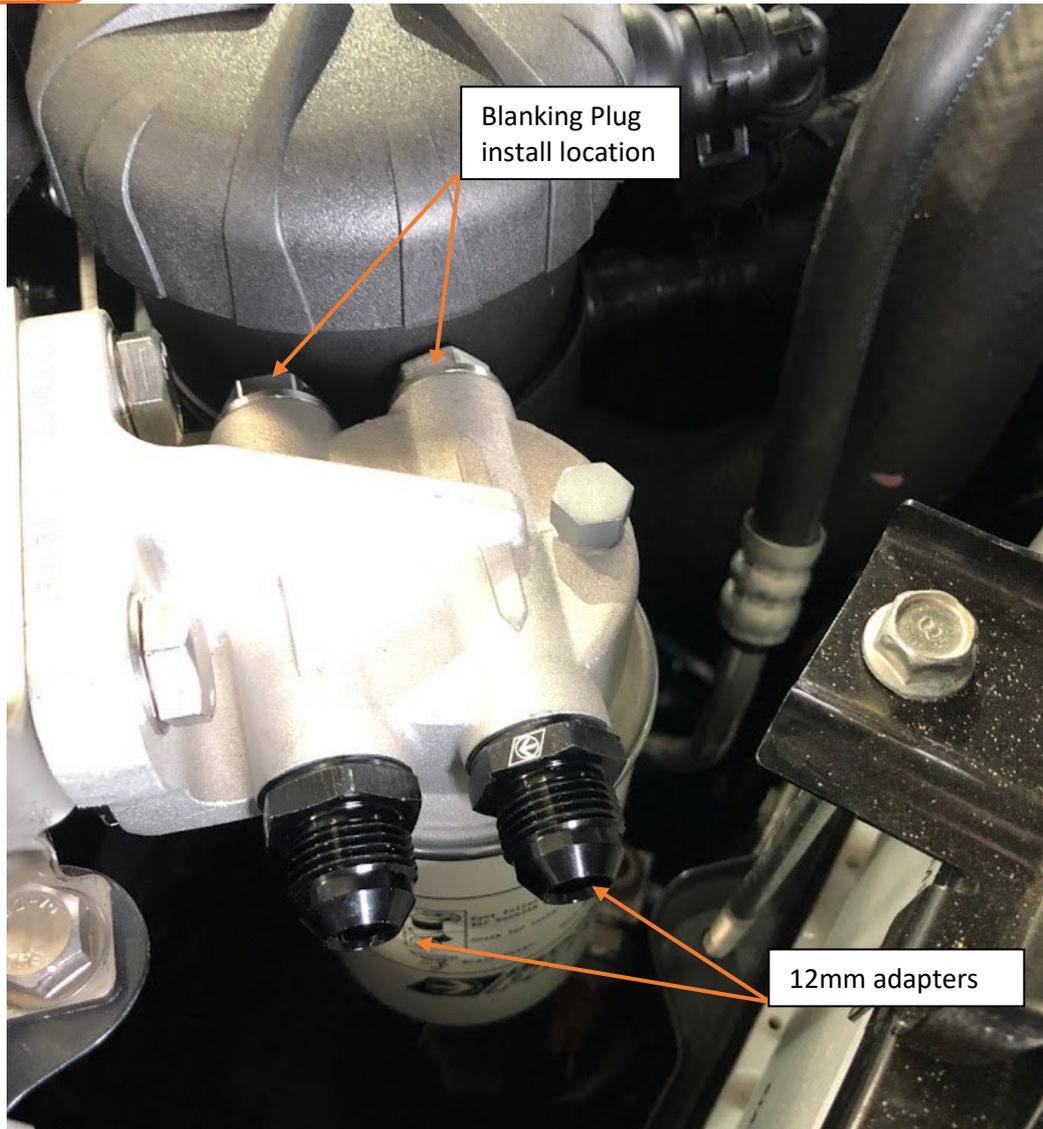


1. Mount the mounting bracket using 1x M8 bolt 2x M8 flat washer 1x M8 nyloc nut 2x M6 nyloc nut and 2x M6 flat washers. Loosely install the M8 bolt and Start both M6 nuts on the threads before you start tightening.

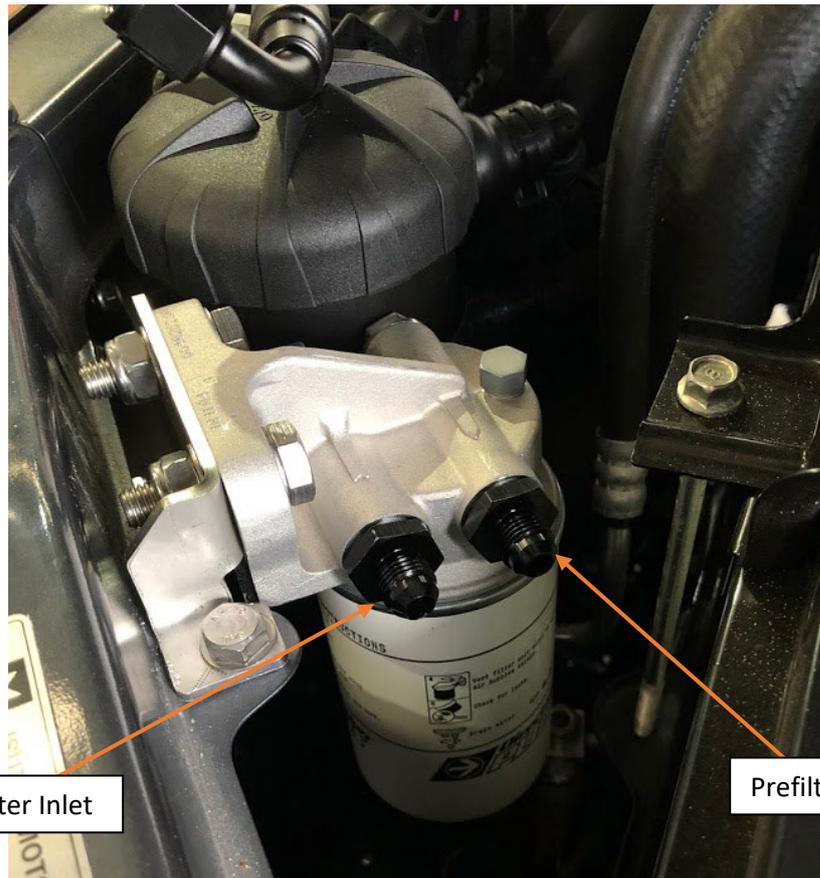


*Mounting Bracket Installed*

1. Using the supplied thread sealant Install the 2x blanking to the Prefilter is installed that they are both on the side closest to the Engine.
2. Using the supplied thread sealant Install the 2x 12mm adapters to the remaining ports

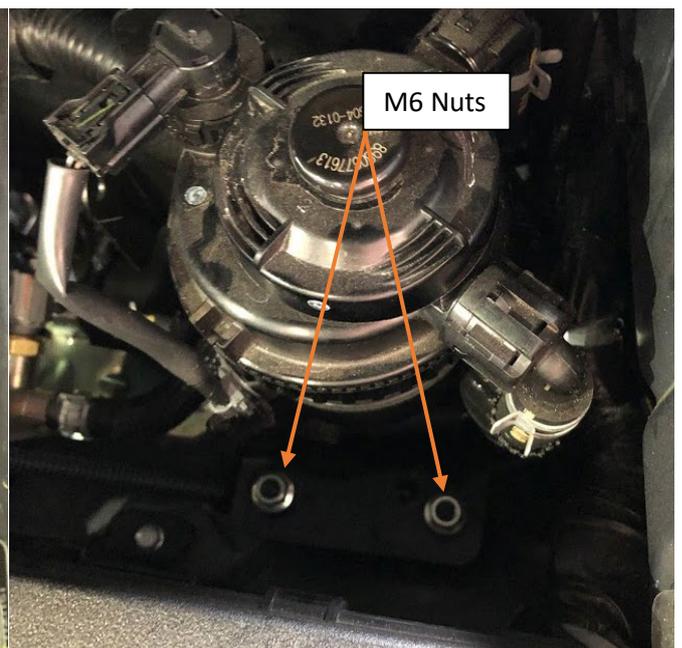


3. Using 2x M10x35 bolt, 4x M10 flat washer and 2x M10 nyloc nuts, install the prefilter assembly to the mounting bracket. See image on next page for reference.

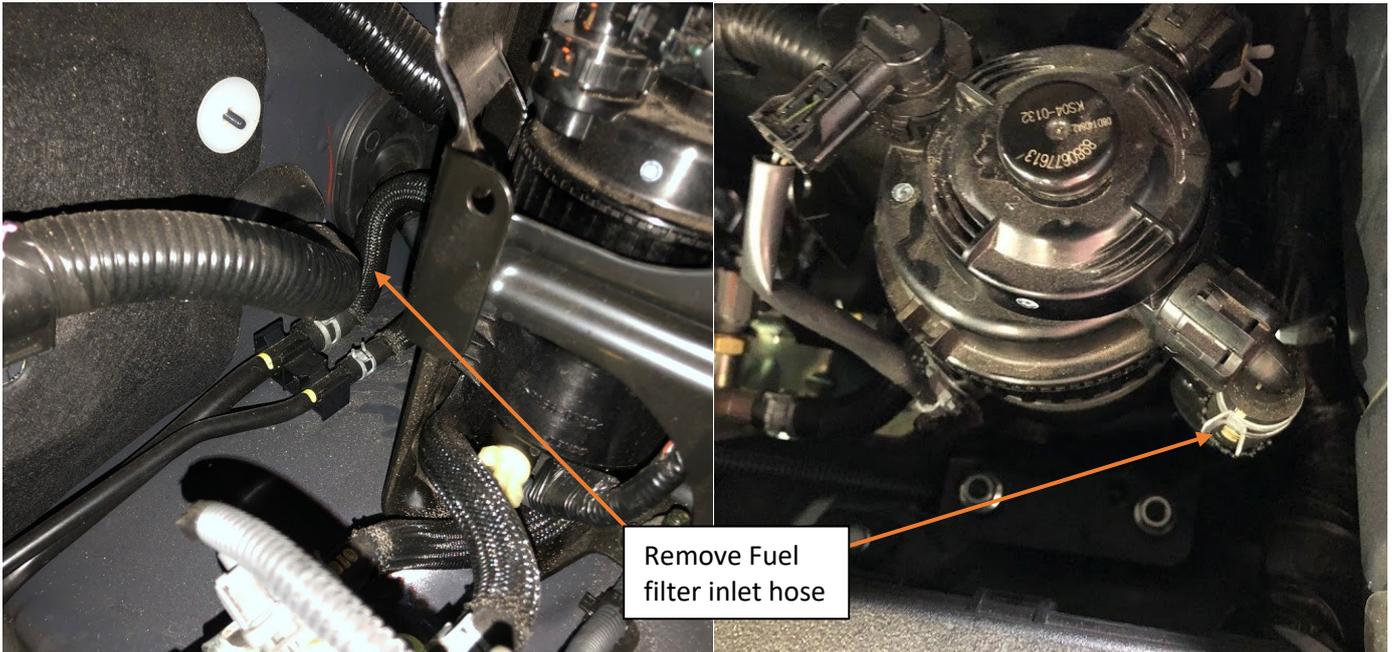


*Prefilter installed on mounting bracket*

4. Remove the steel plate that surrounds the front part of the factory fuel filter. It is secured in place by 2 10mm head nuts. The nuts only need to be loosened and then the plate can be slid towards the front of the vehicle and lifted out



5. Locate the factory fuel filter inlet hose. Disconnect both ends of the hose and remove.



6. Using 1x 12mm hose clamp and the supplied 12mm hose install one end of the hose onto the steel fuel line coming from the fuel tank



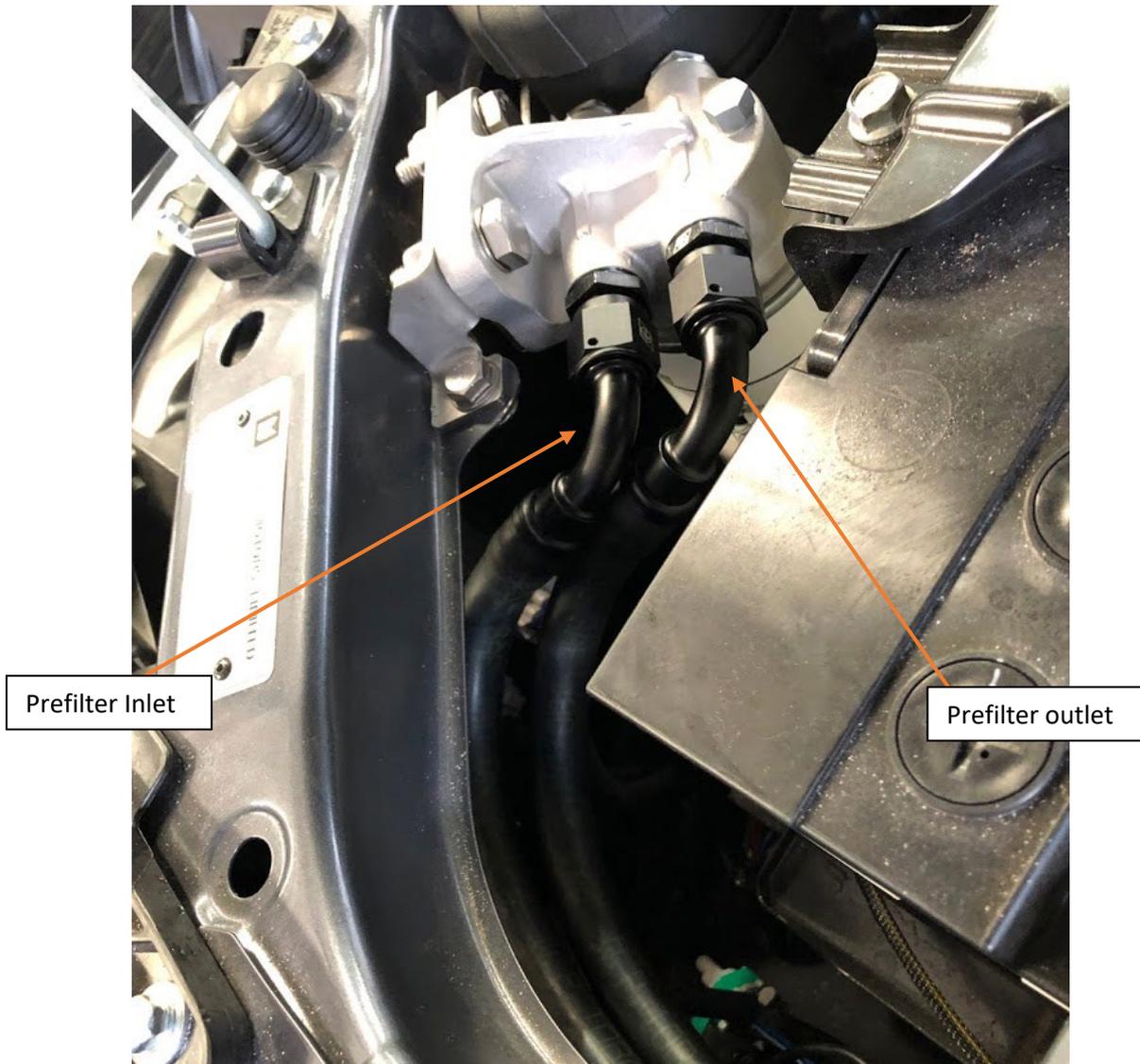
7. Route the 12mm fuel hose around the factory filter and down the inner guard to the Inlet port of the Prefilter.



8. Once you have determined the correct length cut the hose. Ensure there is enough slack in the hose so as not to kink. Refer to images below as reference
9. Using WD40 or similar install 1x 90° -8 12mm barbed fitting to the cut end of the 12mm hose. **Note: Hose clamps are not required for this type of hose fitting**
10. Loosely connect the previously installed 1x 90° -8 12mm barbed fitting to the inlet port of the Prefilter
11. With the remaining length of 12mm hose and 1x 12mm hose clamp. Connect one end of the 12mm hose to the inlet of the factory fuel filter and secure with the 12mm hose clamp
12. Route the 12mm fuel hose down the inner guard to the outlet port of the Prefilter.
13. Once you have determined the correct length cut the hose. Ensure there is enough slack in the hose so as not to kink. Refer to images below as reference
14. Using WD40 or similar install 1x 90° -8 12mm barbed fitting to the cut end of the 12mm hose. **Note: Hose clamps are not required for this type of hose fitting**
15. Loosely connect the previously installed 1x 90° -8 12mm barbed fitting to the outlet port of the Prefilter
16. When satisfied out the routing of the 12mm fuel hose tighten the fittings on the Prefilter



Install 12mm hose and hose clamp



17. Using cable ties secure any loose fuel hose to prevent rubbing.
18. Prime the fuel system using the hand primer on the factory filter. When the primer goes firm, the engine is ready to start. **Note: this may take some time as the prefilter needs to be filled with fuel.**
19. Start and run the engine whilst checking ALL connections for leaks.
20. If the engine stalls repeat step 40.

**END OF FITTING GUIDE**