



## Direction-Plus™ Ryco Pre-Filter Kit Installation Guide For Nissan Navara NP300

This document is to be used as a guide for the installation of the **Direction-Plus™ Ryco Pre-Filter Kit (RC630DPK)** to a **Nissan Navara NP300**. 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 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 NP300 (FMPV630-BR)	1x NUT - NYLOC 6MM (FMN6)	1x DEFENCE STICKER (DPLABEL7)
1x RYCO ASSY (Z980SK16L)	2x PUSH ON STRAIGHT (DPP0001-06)	9x CABLE TIE (802078)
1x CAP HEAD SCREW M6 X 20 (M6 X 20 SCREW)	1x WINDSCREEN LABEL (DPLABEL1)	2x WASHER - 6MM (FMW6)
2x FITTING 10MM (DP816-6-M1615)	1x ENGINE BAY LABEL (DPLABEL5)	1x DP ZIP LOCK BAG (DPZIPBAG)
1x DFL10 - FUEL HOSE (DPFH10)	1x DP HOLO SECURITY SEAL (DPLABEL8)	1x 9.89 ELBOW 10MM BARB (D4)
1x END 9.89 STR 10MM BARB (E11)	1x DP STICKER (DPLABEL6)	1x RYCO FILTER KIT BOX (RCBOX)
2x HOSE CLAMP - 10MM (FMC10)	2x DP BAGS (DPBAG)	

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

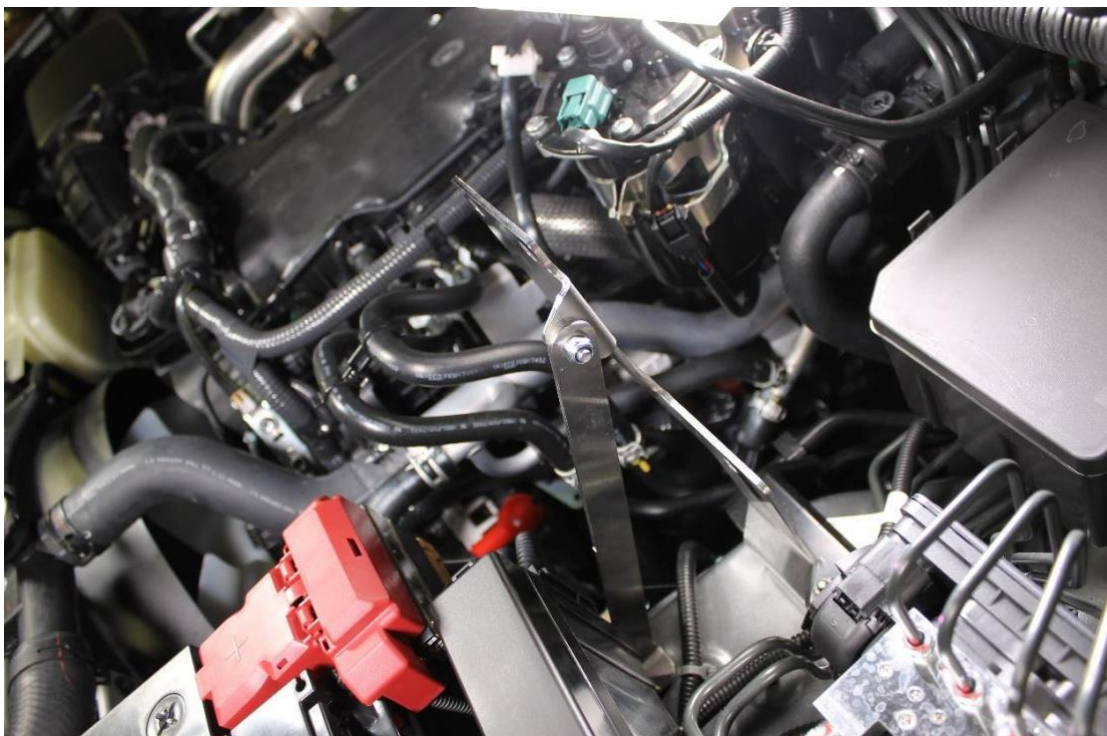
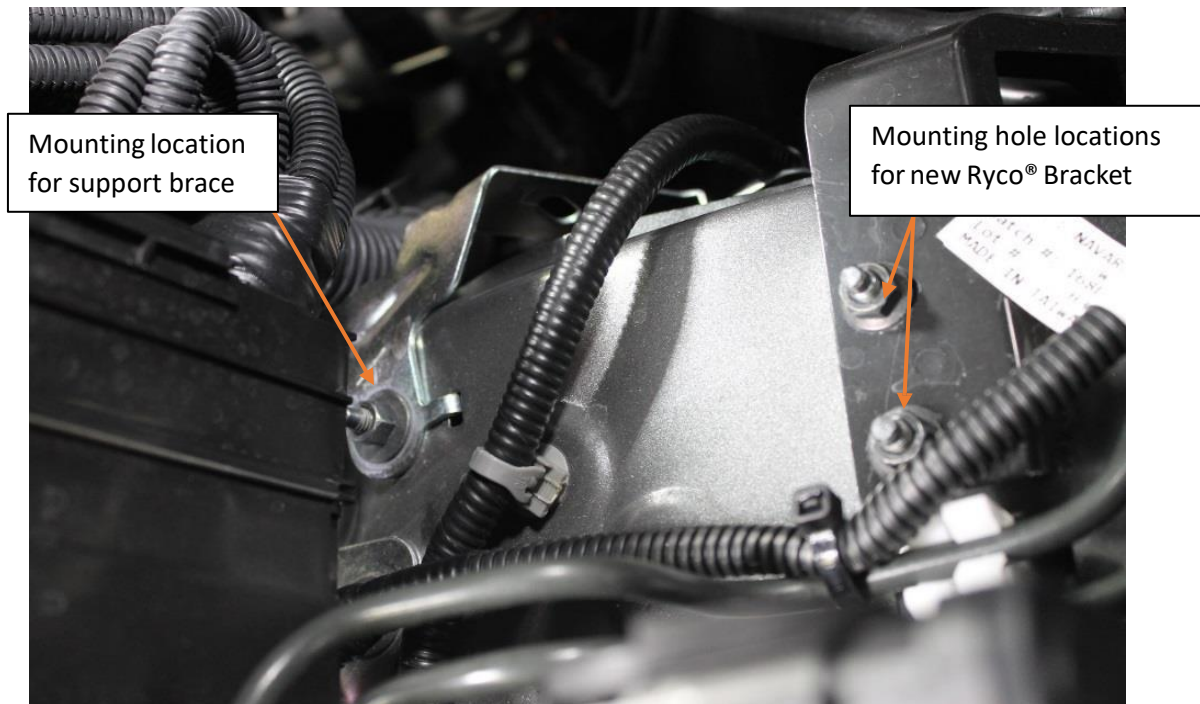


**Tools Needed:**

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

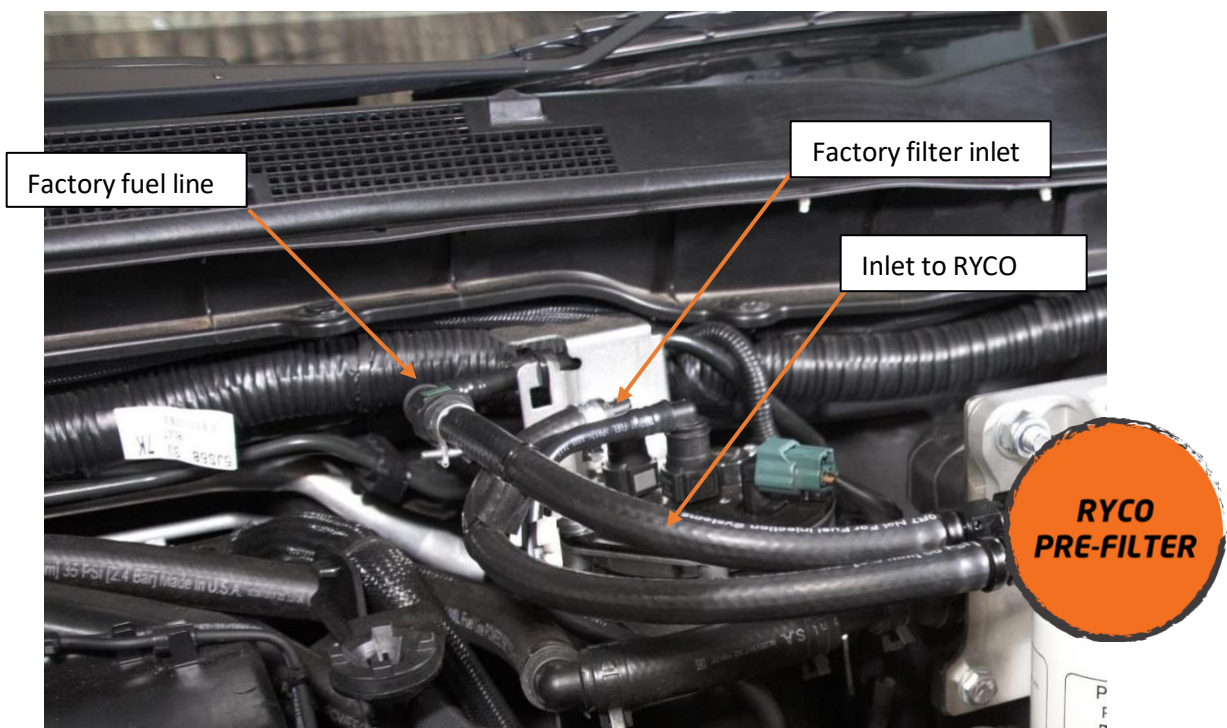
## Installation Guide

1. Remove the two (2) M6 nuts shown in the image below, secure the mounting bracket in place reusing the original nuts. Please note the “kink” in the bracket should angle towards the engine.
2. Remove the M6 nut located underneath the relay box, mount the mounting bracket support arm and secure in place reusing the original M6 nut.
3. Using the supplied M6 bolt, nut and 2 flat washers, secure the top of the support arm to the main bracket and the bottom to the stud located on the inner guard.



4. Place the mounting bracket into its mounting location, and secure using the existing studs and the factory nuts

5. Using the supplied 10mm bolts, washers and nuts, mount the RYCO pre-filter assembly filter to the frontside of the bracket
6. Install the two M16 flat washers and straight adapters to the filter head, so that when the filter is mounted on the bracket they will be facing toward the driver's side of the vehicle **Note: you may need to remove and reposition the two M16 plugs pre-installed into the filter head**
7. Disconnect the fuel line from the inlet of the factory fuel filter and using a cable tie, secure the fuel line to the back of the factory fuel filter bracket.
8. 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
9. 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.
10. With the assembled hose, screw the push-lock fitting on to the inlet port of the pre-filter. Route the hose to the fuel line that was previously secured to the factory fuel filter bracket and cut to length.
11. Insert the black male QD fitting into the hose and secure with a 10mm hose clamp. Then connect to the factory fuel line from the fuel tank.



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 RYCO 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. Insert the black female 90° QD fitting into the hose and secure with a 10mm hose clamp. Connect to the inlet of the factory fuel filter



17. Using the supplied nylon cable ties, secure any loose hose from rubbing on any other components
18. To prime the fuel manager assembly with fuel, turn the ignition key to the ON position and wait 5 seconds, then switch the ignition OFF. Repeat this process another 3 times.
19. Start vehicle and run the vehicle, whilst checking all connections for leaks
20. Refer to supplementary instruction for water alarm connection

**END OF INSTALLATION**