



Nissan Navara NP300 Direction-Plus™ ProVent® 200 Installation Guide

This document is to be used as a guide for the installation of the Direction Plus™ Nissan Navara NP300 ProVent® 200 Crankcase Ventilation Kit to a 2015-onward Nissan Navara NP300 2.3L 4-cylinder diesel. It is recommended that the installation of the product be carried out by a competent qualified mechanic.

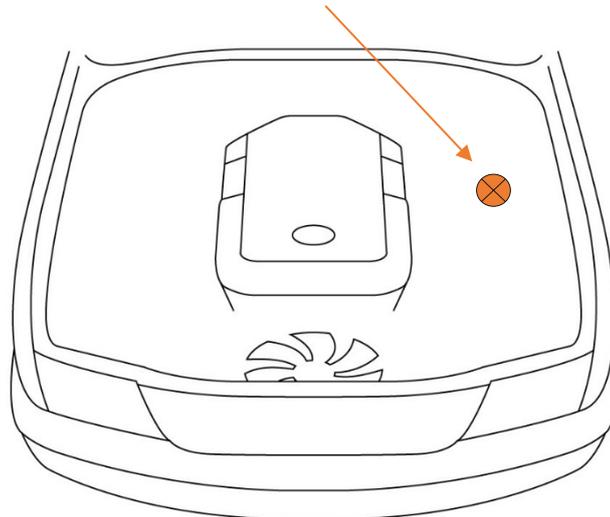
Important Before Starting

- Ensure 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 Mann + Hummel ProVent® 200
- 1 x Mounting Bracket
- 1 x 1100mm of 16mm Hose
- 1 x 75mm of 16mm Hose
- 1 x 750mm of 16mm Hose
- 1 x 50mm of 16mm Hose
- 1 x 125mm of 16mm Hose
- 3 x 16mm 90° Joiner
- 2 x 16mm Straight Joiner
- 12 x 16mm Spring Clamps
- 2 x 25mm Spring Clamps
- 2 x 16mm to 25mm Hose Coupler
- 8 x Cable Ties
- 2 x M8x25 Bolts
- 4 x M8 Flat Washers
- 2 x M8 Spring Washers
- 2 x M8 Stainless Steel Nuts
- 1 x 1000mm of 12mm Hose
- 1x Drain Tap Assembly
- 2 x 12-20mm Hose Clamps

Approximate mounting location

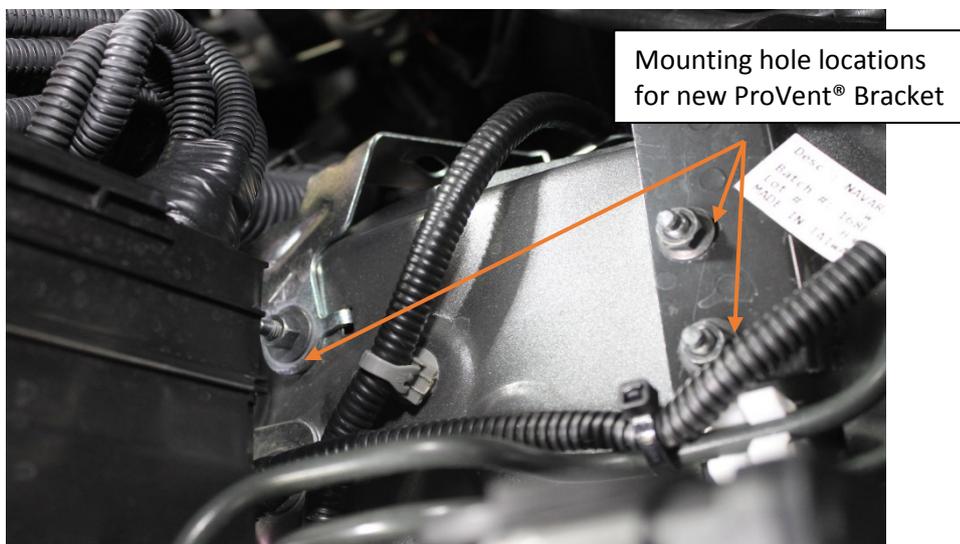


Installation Guide



Nissan Navara NP300 Engine Bay – Overall View

1. Begin by locating the factory bypass hose which runs from the valve cover on the driver's side to the intake pipe in front of it. The hose is only about 250mm in length, shaped like an "L" and has an aluminum sleeve over it. Once located, this hose needs to be removed.
2. 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.
3. Remove the M6 nut located underneath the relay box, mount the mounting bracket support arm and secure in place reusing the original M6 nut.
4. Using the supplied M6 bolt, nut and 2 flat washers, secure the top of the support arm to the main bracket



Front view: image shows new ProVent® bracket location



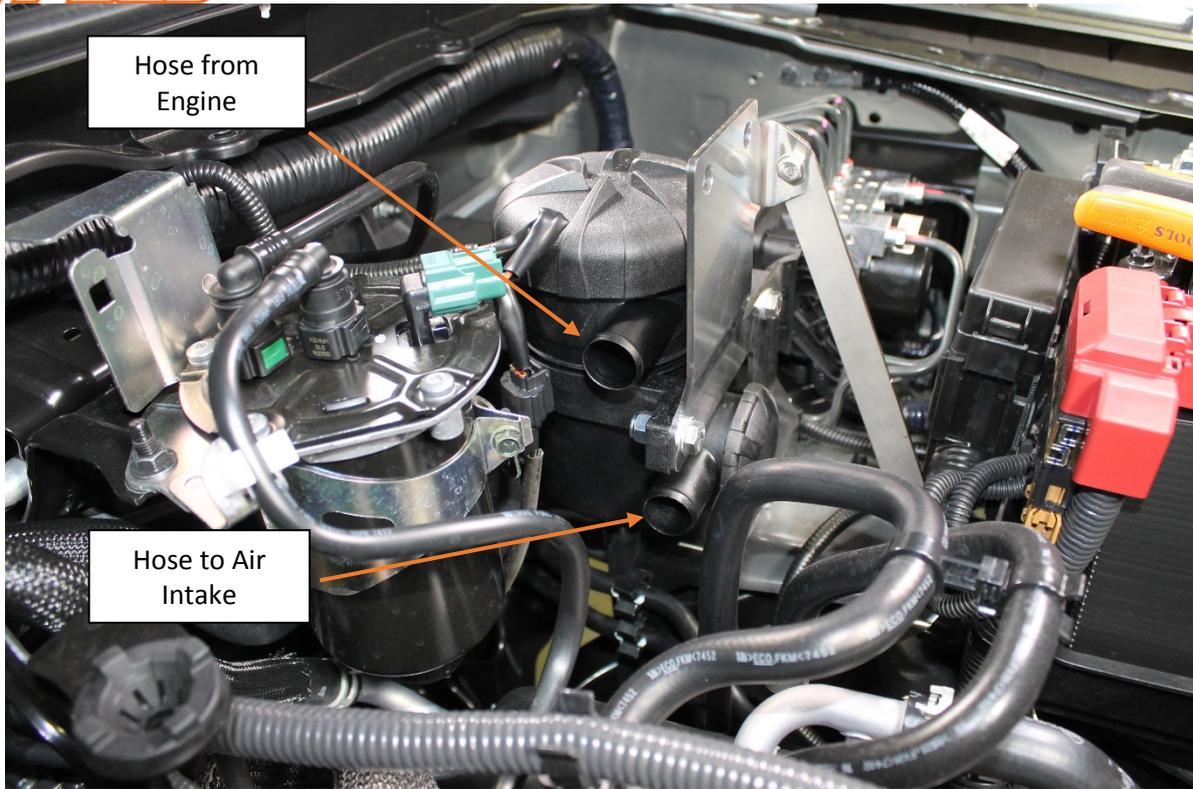
Image shows where the support arm attaches to the main bracket

5. Connect the 12mm (1/2") Hose to the underside of the catch can body, using a 12-20mm Clamp to secure it in place.



Provent® 200 with 12mm hose connected and secured with 12-20mm spring clamp

6. With a flat washer on each of the M8x25mm bolts, mount the ProVent® 200 to the mounting bracket. Use a flat washer, spring washer and nut to secure the bolts on the other side.



Pre-assembled ProVent® 200 with bracket – Please note ProVent® rotation in this image is correct, your ProVent® should come at the correct rotation in the box – if it is not please refer to the image on the last page of this installation guide.

7. Feed the 12mm Hose down the side of the engine bay, under the vehicle to an out of the way location, making sure it is clear of any suspension, driveline and exhaust components, fit the Tap hose tail into the hose.



Hose tail and tap assembly inserted into 12mm hose, hose clamp not required

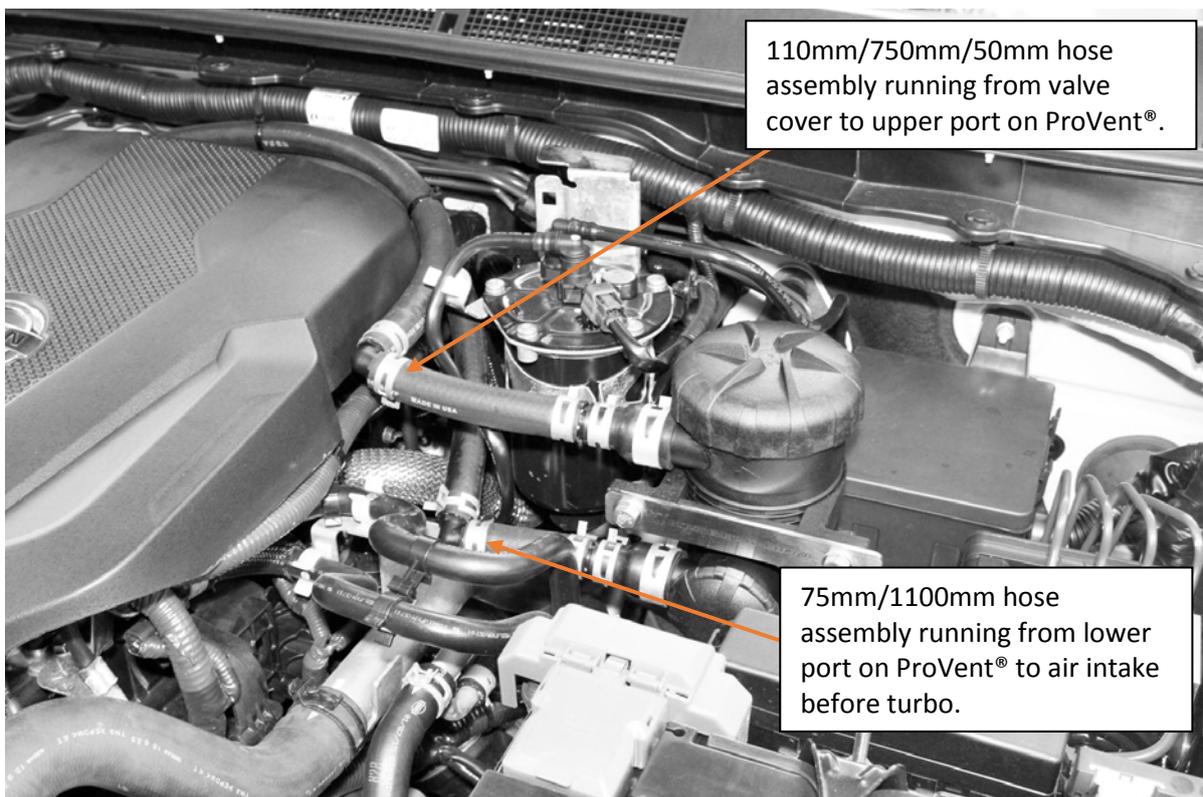
8. Use the supplied cable ties to secure the 12mm hose into the location required under the vehicle to prevent movement. Note: Leave a slight amount of slack in the line where the body and chassis join to prevent stretching the hose.
9. Make sure the tap position is closed and avoid placing the tap in a location in which it will fill with dirt and mud.

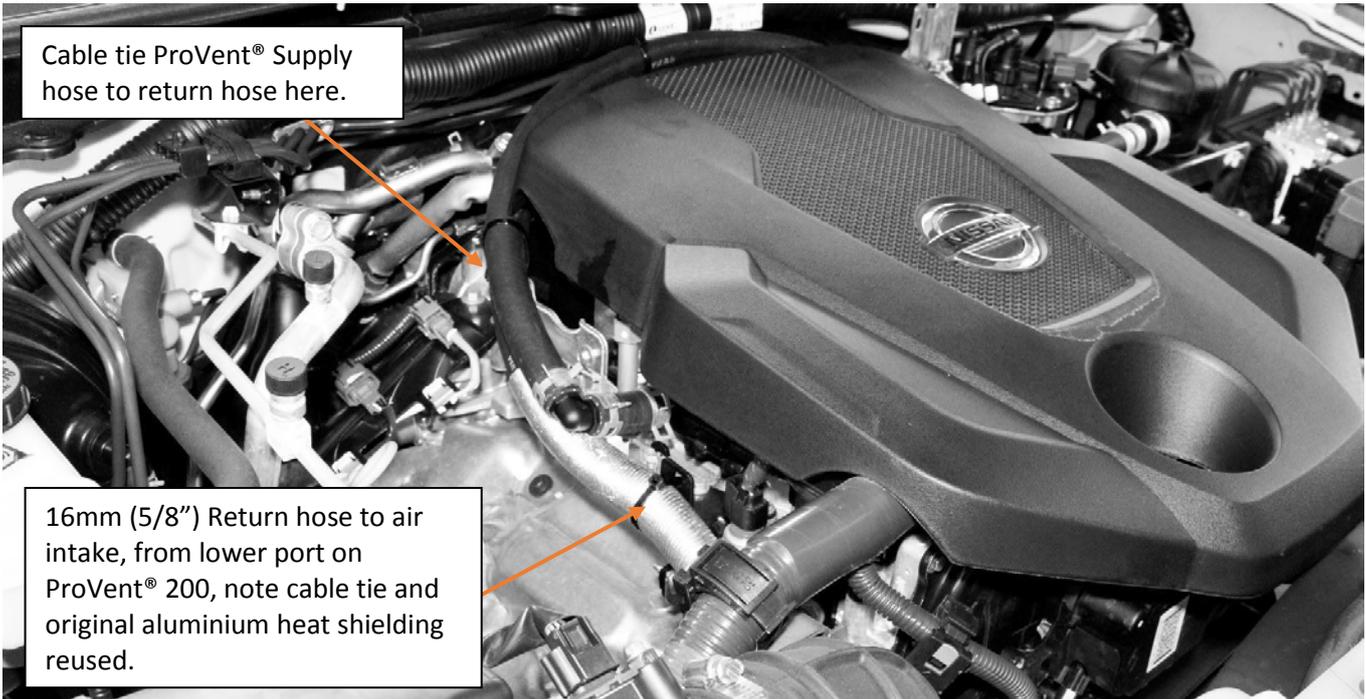


Left image – Tap Open.

Right image – Tap Closed.

10. Remove the aluminium sleeve from the stock ventilation hose you removed earlier. Slide it over one end of the 1100mm long 16mm hose leaving enough room for a 16mm spring clamp on the end. Push this end of the hose onto the ventilation hose return port just before the turbo. Run the hose around the back of the engine and connect a 16mm 90 ° joiner in the end and secure with a spring clamp. To the other end of this 90 ° joiner, connect the 75mm length of 16mm hose and secure with a clamp. This hose joins to the lower port on the ProVent with the use of a 16mm straight joiner and clamps.
11. The 50mm length of 16mm hose connects to the head of the car and secures in place with a clamp. On the outlet side of this connect the second 90 ° joiner (facing rearwards), secure in place with a clamp. Connect the 750mm length of 16mm hose to rearward facing 90 ° joiner and secure in place with a clamp. Run the hose around the back of the engine on top of the other breather hose you just fitted. Into the vacant end insert the final 16mm 90 ° joiner and secure with a clamp. Connect the final hose 110mm long to the 90 ° joiner and connect the other end to the top port on the ProVent. Secure all ends with clamps.





Hose configuration in NP300 Navara with ProVent® 200 installed.

[End of Installation Guide](#)

ProVent 200

The housing can (prior to installation) be turned in the holder in 30° steps around the longitudinal axis.

This enables the position "Inlet and outlet fitting to flange" to be flexibly adjusted to the installation situation.

- Remove the retaining clip (1) upward from the groove and turn the holder into the desired position.
- Press the holder together somewhat in the desired position and engage the retaining clip in the groove again
- Mount the holder in the vertical position. Recommended tightening torque for M8 screws: 10 Nm.
- Ensure sufficient strength of the screw and nut material.
- Connect the hoses to the inlet, outlet and oil return fittings (make sure a sufficient length of hose is pushed on) and secure with hose clamps (see Chap.4.2 and 4.3).
- Connect the oil return hose (and non-return valve if necessary) to the oil sump.
- To ensure proper functioning, the ProVent should be protected against dirt (mount splash guards if necessary).

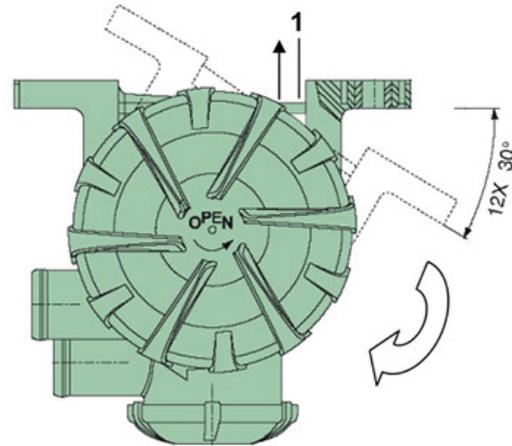


Fig. 5 Positions of outlet for ProVent 200

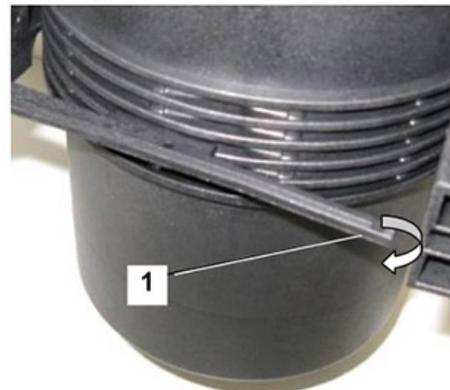


Fig. 6 Holder for ProVent 200