

Kit for Ford Everest 2017-on / Ranger 2015-on PX2 3.2L Turbo Diesel

### Installation Instructions for Provent Kit No: OS-PROV-20



## Mann Provent 200 Catch Can Kit Install Guide

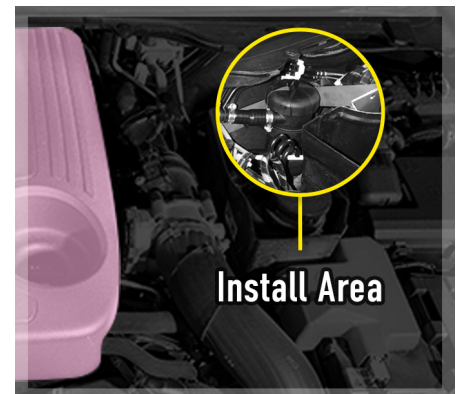
This Western Filters kit uses the Mann+Hummel Provent 200 – the leading catch can/crankcase breather on the market ! This unit will stop all contaminants going back into your air intake manifold and we believe remove the need to block off your EGR valve, as there will be no oily residue in the system.

**STEP 1:** Ensure Engine is off & cool.

**STEP 2:** Remove the keys from the ignition & remove engine cover (img.1).

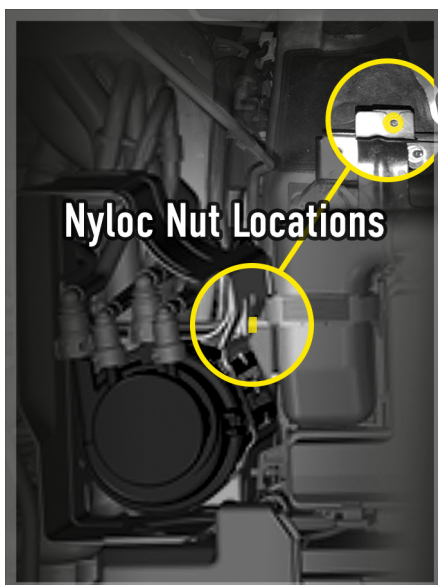
**STEP 3:** Identify the 2x 10mm Nyloc nuts to be removed on the fuel filter bracket and the other as shown (img.2).

**STEP 4:** Fit stainless bracket inside the engine bay as shown and re-fit the previously removed 2x10mm nuts (imgs.2&3). Place the supplied Nyloc nut over the existing air conditioner outlet bracket nut (img.4).



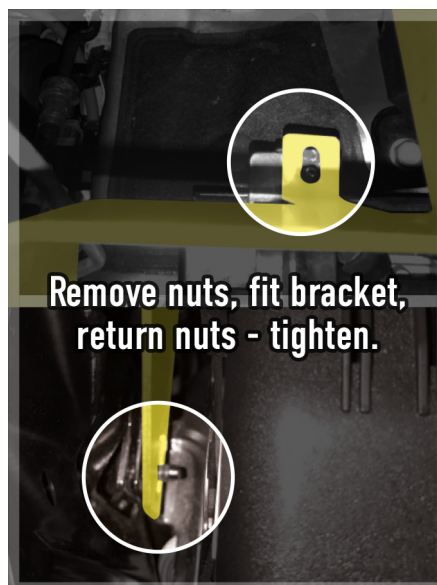
**Install Area**

Step 2 / Img 1:



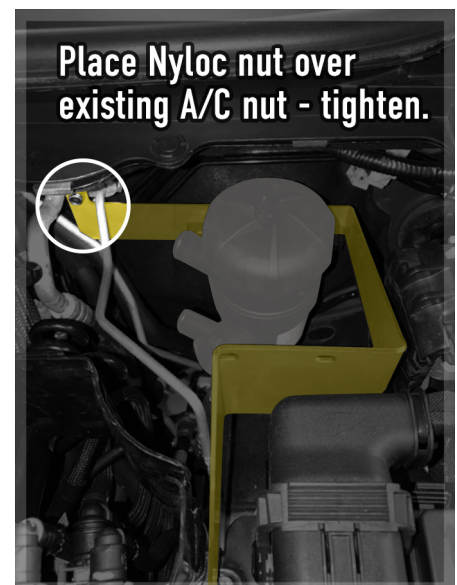
**Nyloc Nut Locations**

Step 3 / Img 2:



**Remove nuts, fit bracket, return nuts - tighten.**

Step 4 / Img 3:



**Place Nyloc nut over existing A/C nut - tighten.**

Step 4 / Img 4:

**Kit for Ford Everest 2017-on / Ranger 2015-on PX2 3.2L Turbo Diesel**

**Installation Instructions for Provent Kit No: 05-PROV-20**

**STEP 5:** Adjust the Provent 200 Unit one position clockwise in its bracket, fit the drain hose to the unit's lower outlet and attach to supplied stainless bracket using the supplied bolts & washers. (img.5).

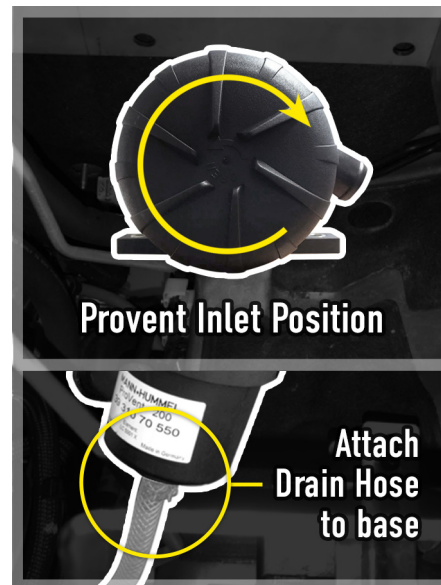
**STEP 6:** Manouever the Provent Drain hose down to the chassis rail and inside the passenger side wheel arch, cut the drain hose ato the desired length and attach the drain cock and secure with supplied hose clamp. (img.6)

**STEP 7:** Identify the Crankcase Outlet and remove the hose clamp & hose, turn the fitting back towards the windscreen. (img.7).

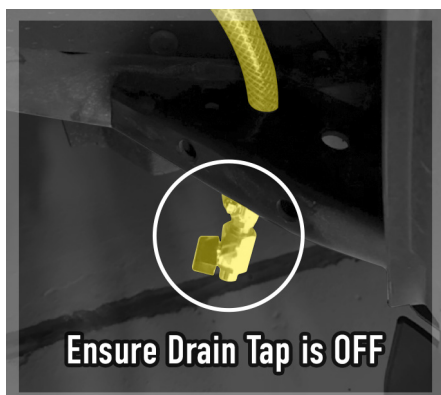
**STEP 8:** Attach the longer supplied hose to the Lower Provent Outlet, run hose carefully around the back of the engine and join to the OEM Air Intake Hose, previously connected from the crankcase outlet. Secure using supplied clamps (img.8).

**STEP 9:** Fit the remaining hose to the top inlet of the Provent 200 unit feed hose around to the crankcase outlet, secure with hose clamps provided. (img.9).

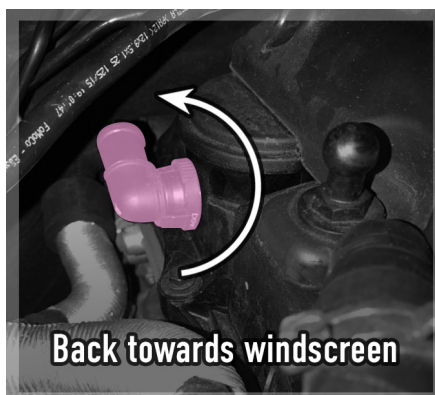
**STEP 10:** Cable tie hoses to minimise rubbing, tighten all clamps, ensure the drain valve is in the closed position. Then reinstate engine cover.



**Step 5 / Img 5:**



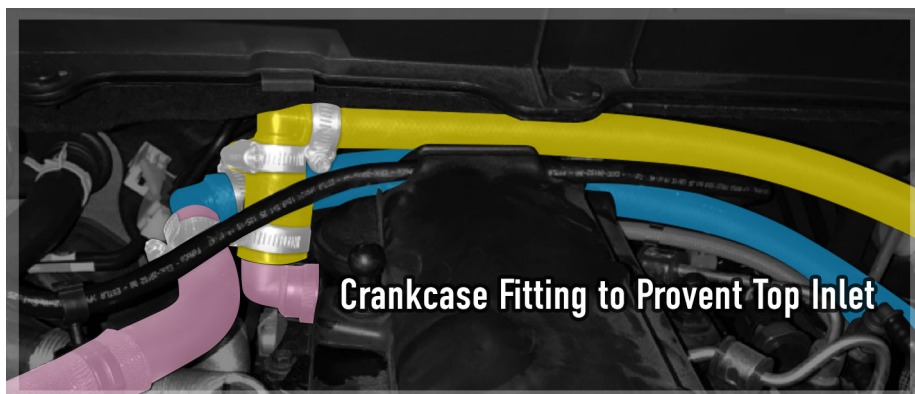
**Step 6 / Img 6:**



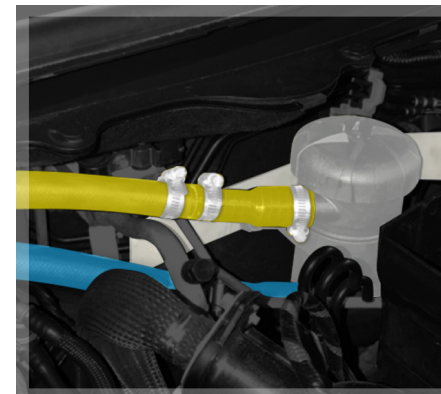
**Step 7 / Img 7:**



**Step 8 / Img 8:**



**Step 9 / Img 9:**



**Step 10 / Img 10:**