

## Installation Guide for Provent Kit for Toyota Landcruiser 200 Series (from 2008 On) Turbo Diesel

### Provent Kit No: OS-PROV-2I



### 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.

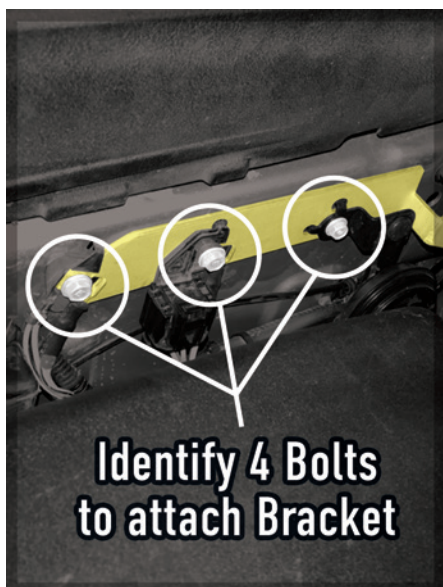
**STEP 1:** Ensure Engine is off & cool.

**STEP 2:** Remove the keys from the ignition & remove the plastic engine cover.

**STEP 3:** Remove Plastic Guard off top of Drivers-side fender.

**STEP 4:** Identify 3 bolts to be removed to fit the supplied Stainless steel bracket as shown (img.1).

**STEP 5:** Adjust the Provent 200 Unit two positions anti clockwise in its bracket fit the drain hose to the Provent lower outlet and attach to supplied Stainless bracket using the supplied bolts and washers. Maneuver the Provent Drain Hose down to the chassis rail and inside the wheel arch, cut the drain hose to the desired length and attach the drain cock and secure with supplied hose clamp (imgs.2&3).



Step 4 / Img 1:



Step 5 / Img 2:



Step 5 / Img 3:

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**STEP 6:** Identify the Crankcase Outlet or PCV Valve & remove the outlet hose and spin around for lower hose to be inserted, run the lower hose around the back of the engine bay to the Provent unit and fasten to the Lower Outlet of the Provent (img.4).

**STEP 7:** Do the same with the Upper Hose as pictured and clamp where necessary. (imgs.5,6 & 7 / ref: highlighted container).

**STEP 8:** Cable tie any hoses to minimise rubbing and double check all clamps are tight.

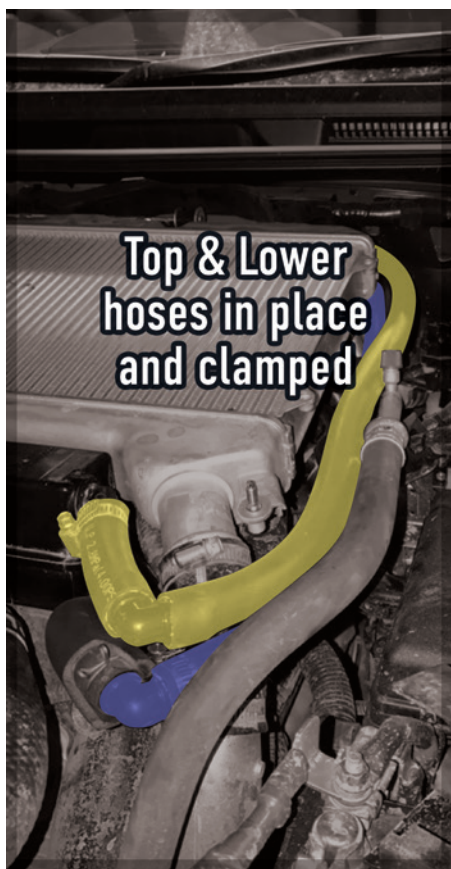
**STEP 9:** Replace Engine Cover and ensure all tools have been removed from the engine bay.

**STEP 10:** Ensure the Drain Valve is always closed in the horizontal position. Drain once a month.

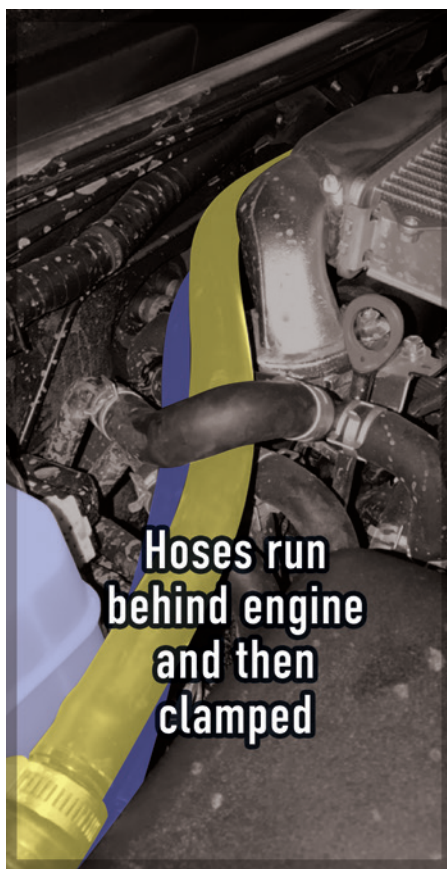
**TIP:** The Mann Provent element will need to be replaced between 40,000 to 50,000 kms mark.



Step 6 / Img 4:



Step 7 / Img 5:



Step 7 / Img 6:



Step 7 / Img 7: