



## ProVent Ultimate Catch Can Kit Installation Guide for Mitsubishi Triton MV 2.4L

This document is to be used as a guide for the installation of the Direction Plus ProVent Ultimate Catch Can Kit to a 2024+ Mitsubishi Triton MV 2.4L 4 Cylinder Diesel. 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 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

### Maintenance / Servicing

- Provent Catch Can MUST be drained every 3,000 – 5,000kms. Failure to do this can result in engine damage.  
Provent Catch Can filter element is to be replaced every 30,000 - 40,000km or as per your vehicles service

### Included in the kit

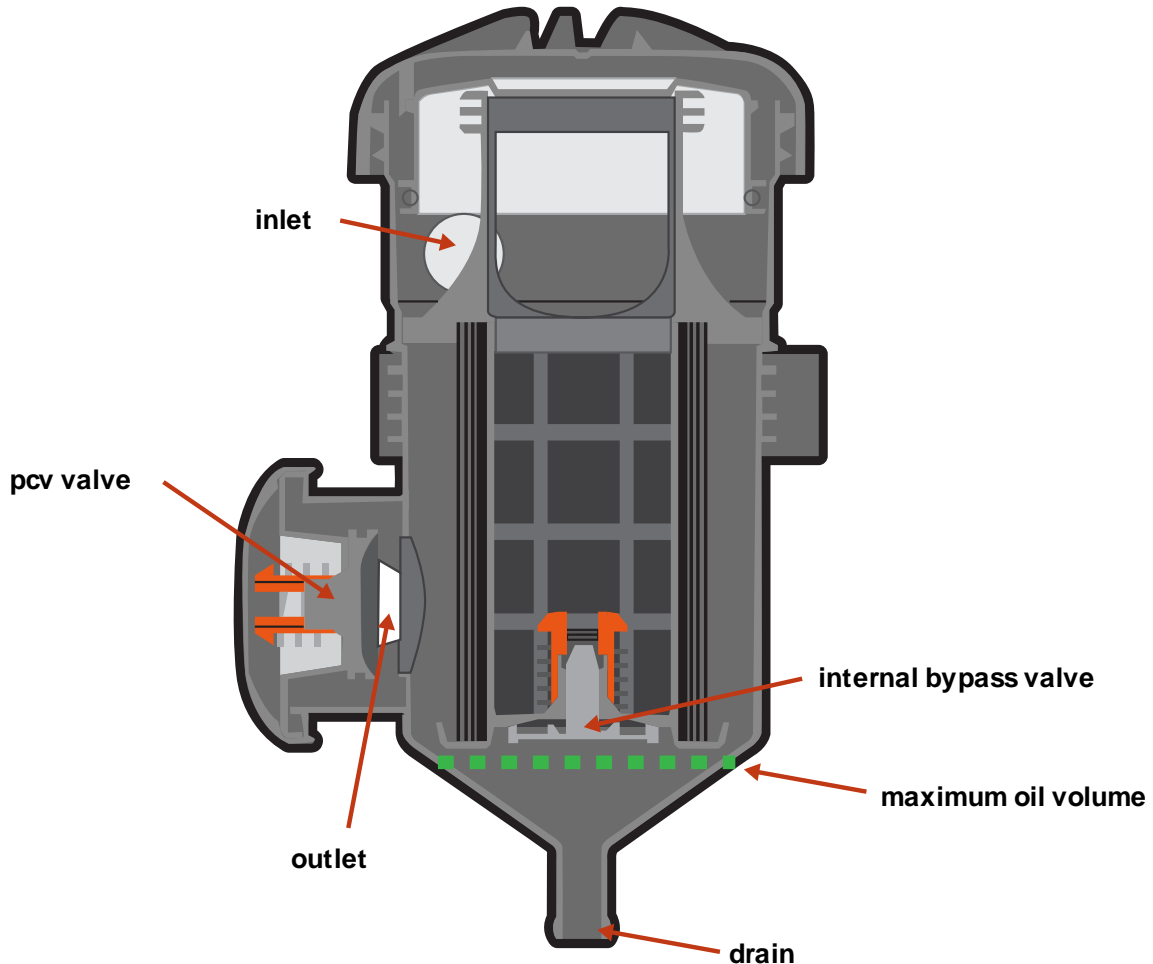


<i>Loose in Box</i>	<i>Bagged</i>	<i>ProVent Fitting Kit Bag</i>
1 x ProVent 200 (PV200DP)	2 x 25mm Spring Clamps (DPSC25)	2 x M8x25 Bolts (SSSS304M825)
1 x Mounting Bracket (PV652-BR)	8 x 200mm Cable Ties (802078)	2 x M8 Flat Washers (FMW8)
	2 x M8x16 Bolt (SSSS304M816)	2 x M8 Spring Washers (FMSW8)
1 x Molded Hose PV652-H1 (PV652-MH)	2 x M8 Spring Washer (FWSW8)	
1 x Molded Hose PV652-H2	2 x M8 Flat Washer (FMW8)	<i>ProVent Drain Kit Bag</i>
		1 x 1000mm of 12mm Hose (DPFH12-GAT)
		1x Drain Tap Assembly (DPDRAIN)



		2 x 12mm Spring Clamps (DPSC16)
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## PV200 INTERNAL BYPASS VALVE SECTIONAL DIAGRAM



Due to the way the internally vented PV200 works, the PV200 must be drained regularly to ensure correct operation of the internal bypass valve. Failure to regularly draining/ servicing the Catch Can may cause engine damage due to over pressurisation of the crankcase ventilation system.

The ■ ■ ■ in the diagram indicates the maximum permissible oil level. For the PV200 internal bypass valve to correctly operate the internal oil volume MUST NOT exceed the level indicated by the ■ ■ ■ shown in the diagram.

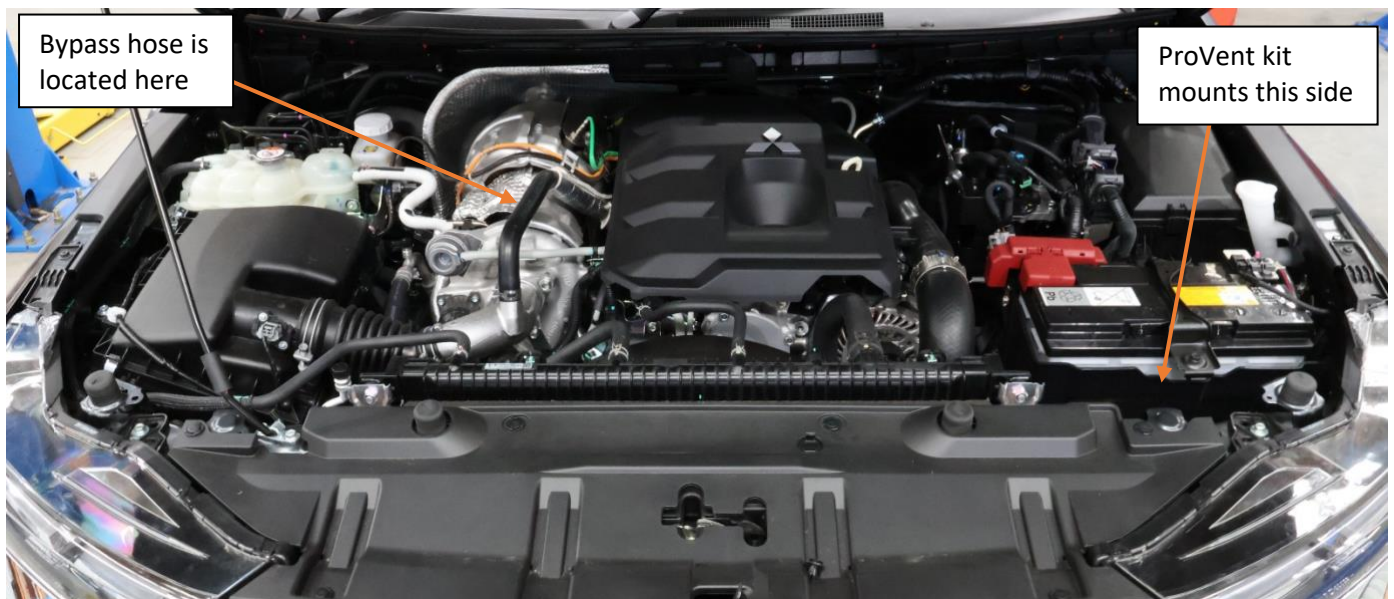
If the internal oil volume is to exceed the level indicated by the ■ ■ ■ shown in the diagram, the internal bypass valve cannot operate as designed due to it being submerged. This condition is likely to cause over pressurisation of the crankcase ventilation system and damaging the engine.

**WARNING:** Colder climates can cause increased condensation inside the Catch Can. This will fill the reservoir quicker than oil and will need to be drained regularly. Failure to do so could & can damaged the Catch Can or vehicle.

### Basic Tools Required:

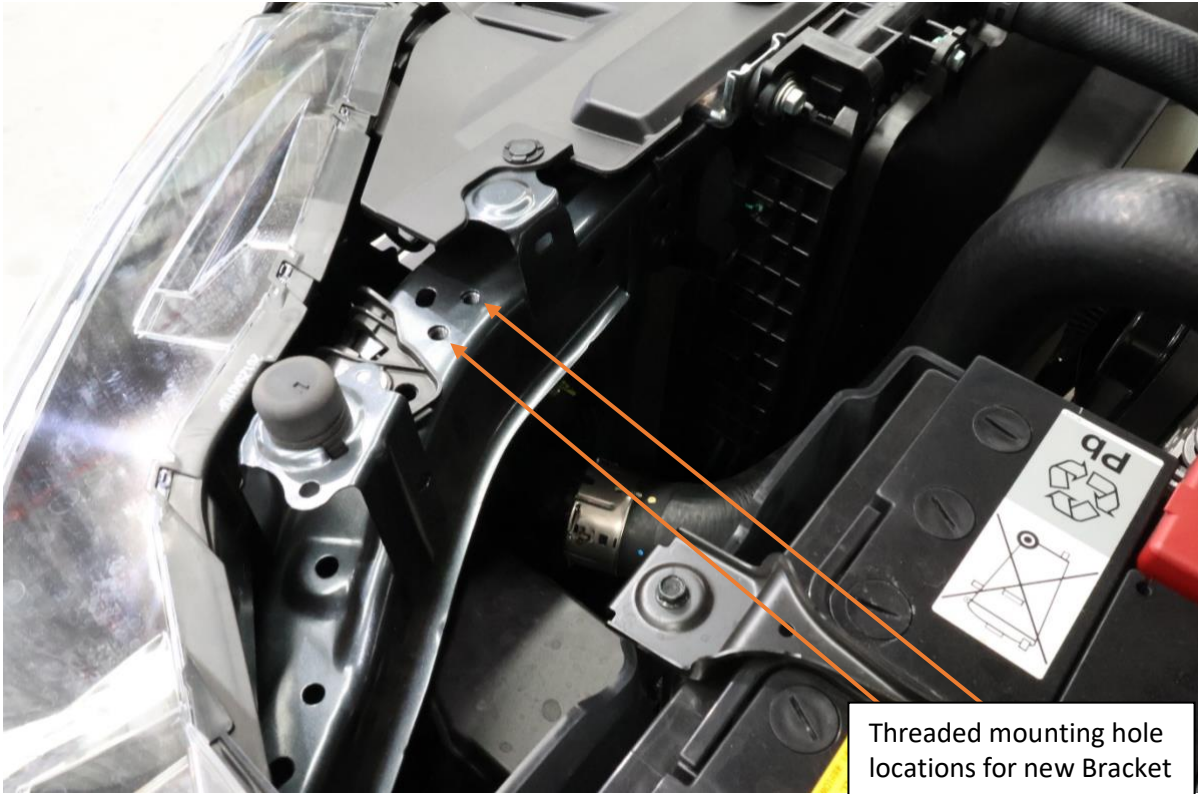
- Spanners
- Sockets
- Screw drivers
- Pliers
- Snips/Cutters
- Rags

### Installation Guide



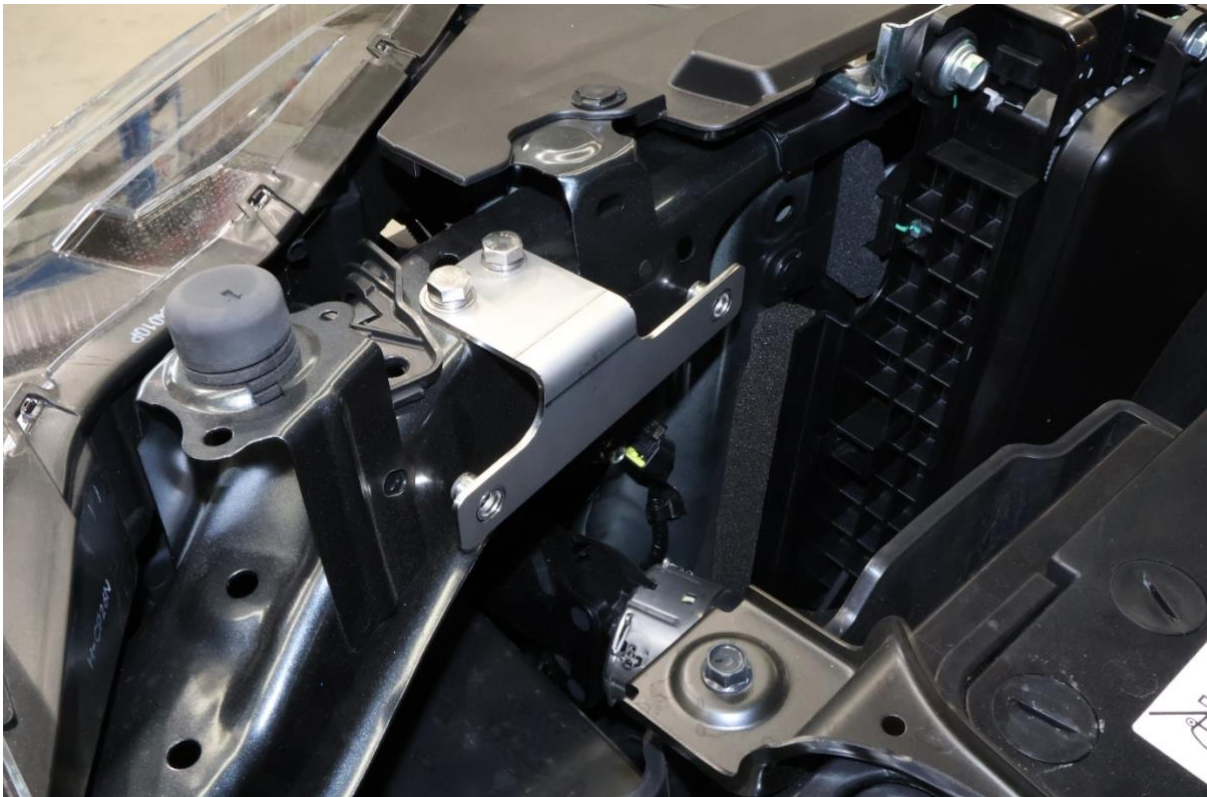
*Triton MV 2.4L Engine Bay – Overall View*

1. Begin by locating the two empty threaded holes on the radiator support panel in front of the battery.



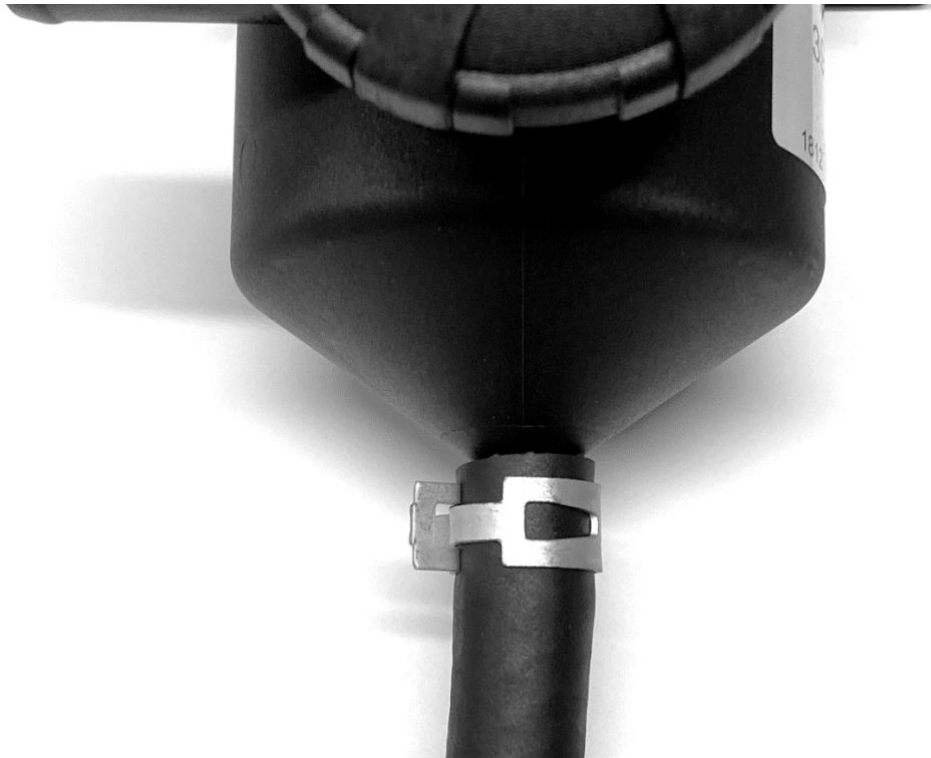
*Image shows new bracket mounting location.*

2. Mount the new bracket in place, using the two M8x16 bolts, flat washers and spring washers.



*Mounting Bracket fitted to the vehicle.*

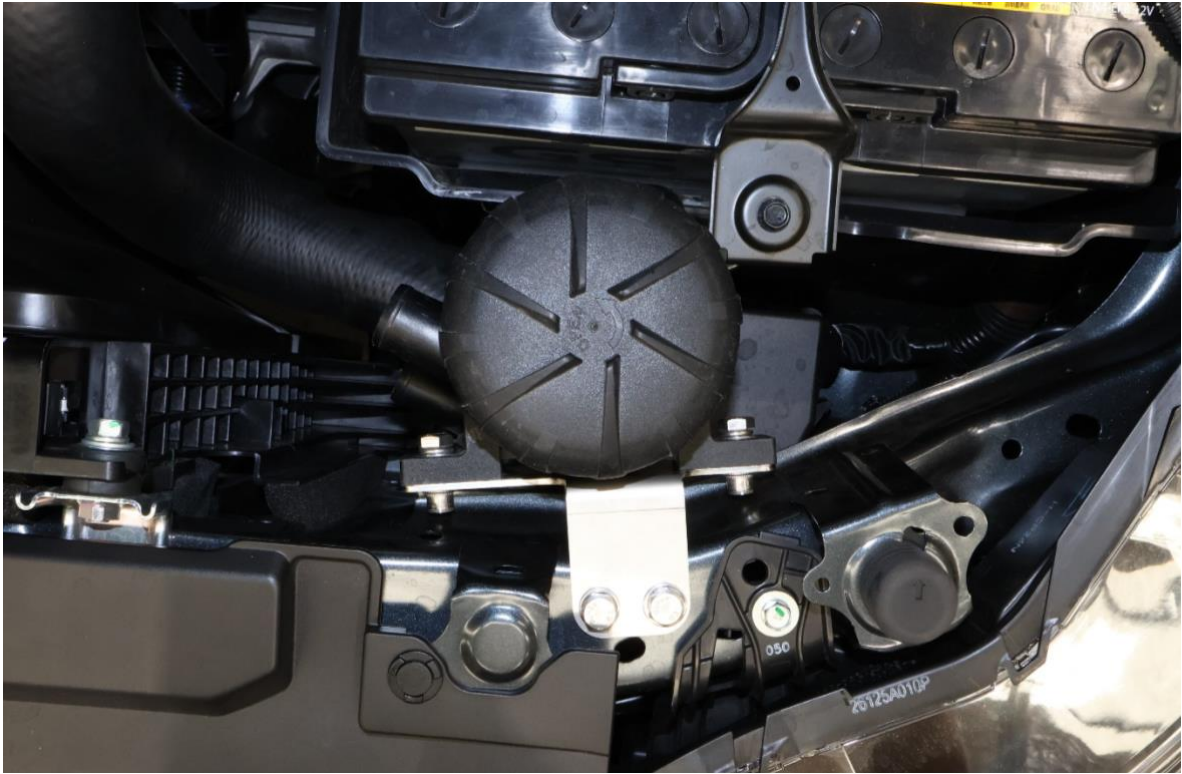
3. Connect the 12mm (1/2") Hose to the underside of the catch can body, using a 12mm spring clamp to secure it in place.



*ProVent 200 with 12mm hose connected and secured with a clamp.*

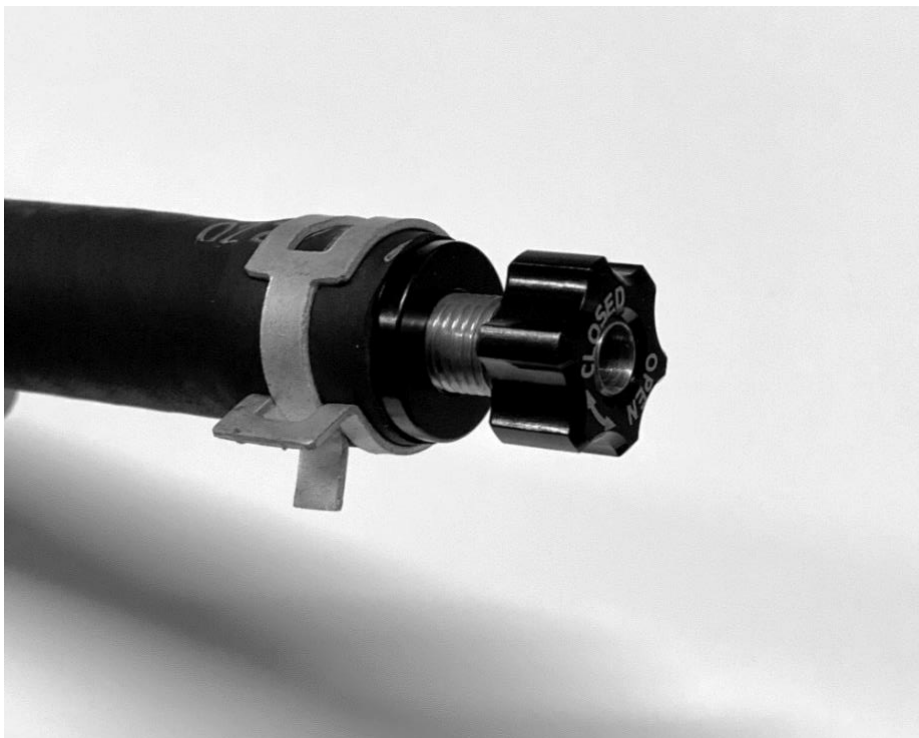
4. With a flat washer and spring washer on each of the M8x25mm bolts, mount the ProVent 200 to the mounting bracket.





*ProVent 200 bolted to bracket– Please note ProVent rotation in this image is correct, refer to the image on the last page of this installation guide for how to rotate the unit.*

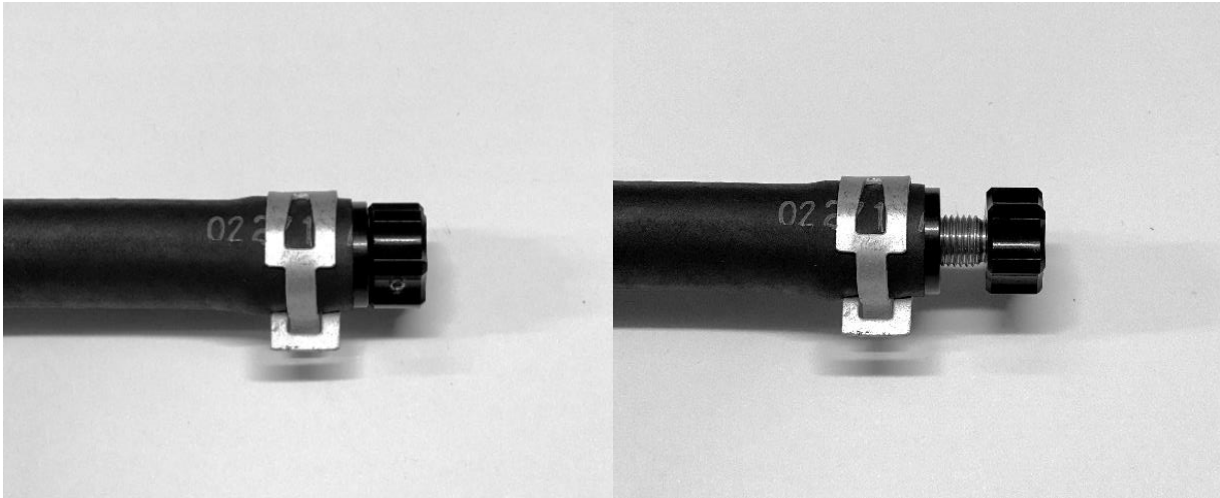
5. Feed the 12mm Hose down the side of the engine bay, under the vehicle to an out of the way location, making sure it is clear of any suspension, driveline and exhaust components, fit the Drain Tap into the hose and secure with a 12mm spring clamp.



*Drain Tap inserted into 12mm hose, secured with a clamp.*

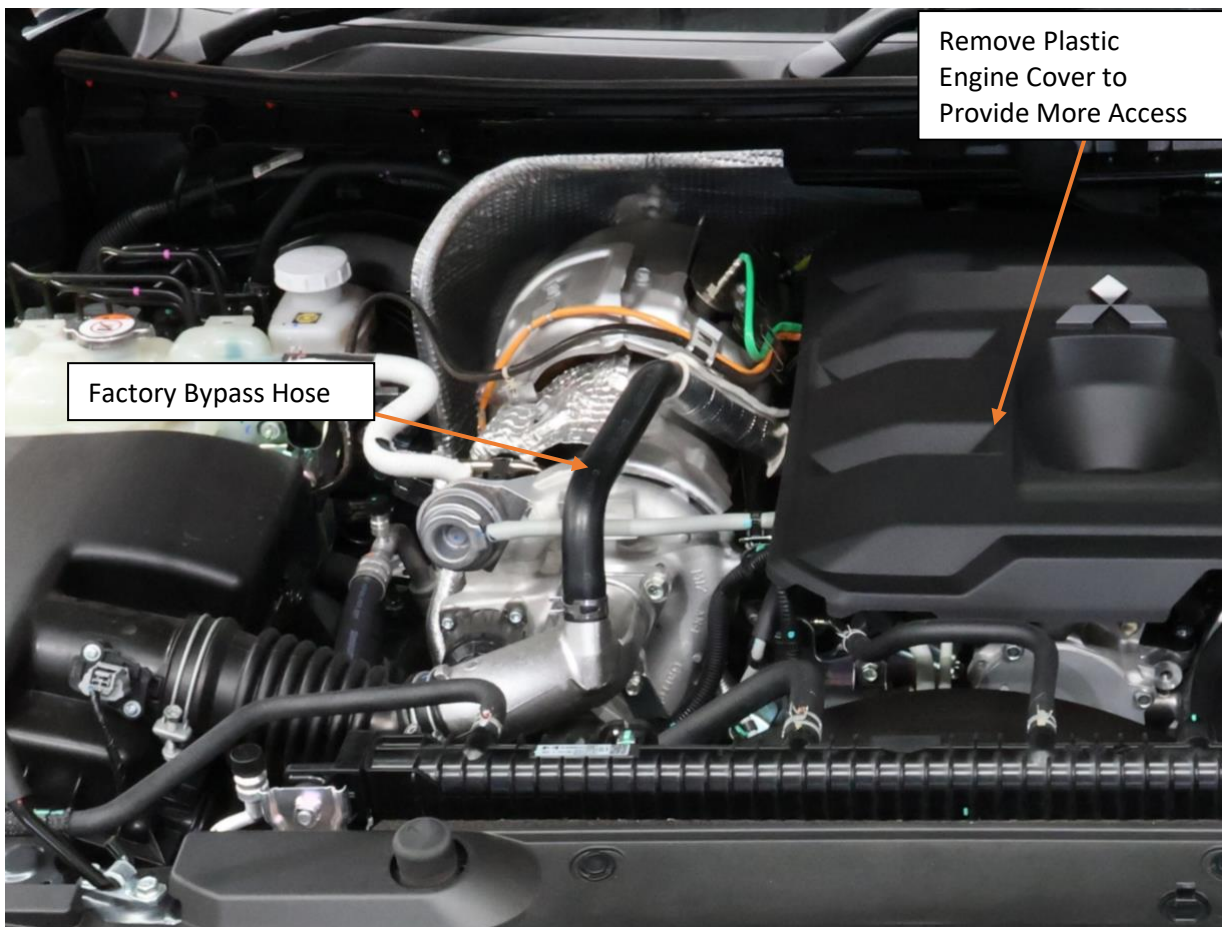
6. Use the supplied cable ties to secure the 12mm hose into the location required under the vehicle to prevent movement. Note: Leave a slight amount of slack in the line where the body and chassis join to prevent stretching the hose.

7. 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.*

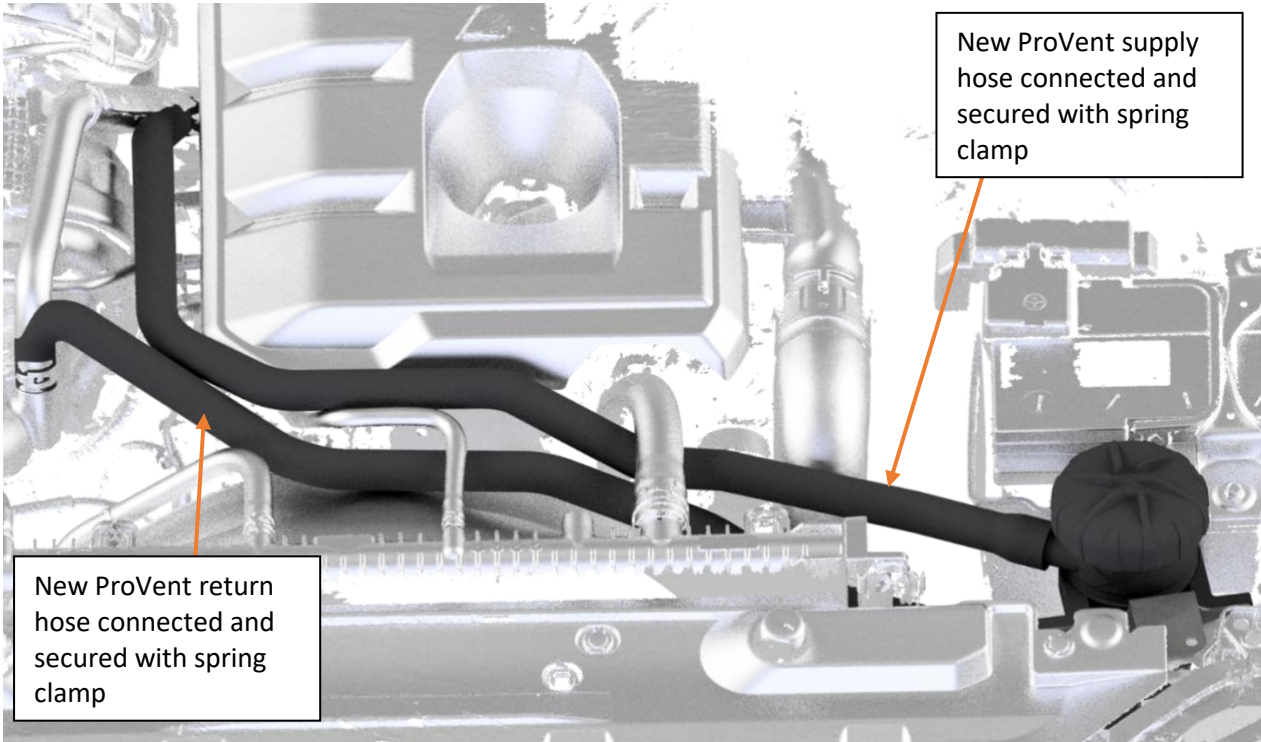
8. Remove the factory PCV hose shown in the image below.



9. Reuse the heat insulation off the factory PCV hose on the new molded hose PV652-H1. Reuse the original clamp on the end of the hose to secure it to the valve cover.



10. Install molded hose PV652-H2 to the PCV return location on the inlet pipe and secure with the original clamp. Connect the other end to the lower port on the ProVent 200 and secure with one of the new 25mm spring clamps.
11. Connect the other end of PV652-H1 from the valve cover to the upper port on the ProVent 200 and secure with one of the new 25mm spring clamps.



12. Secure the hose to prevent any rubbing, they should sit as per the picture above.

## 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).

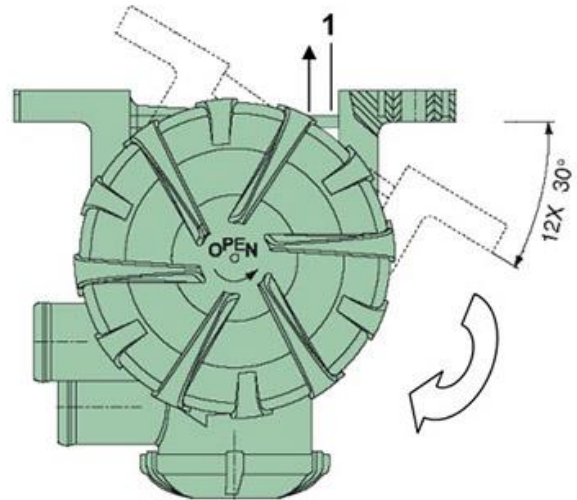


Fig. 5 Positions of outlet for ProVent 200

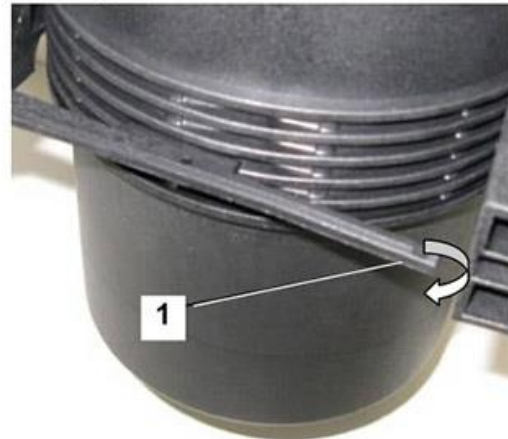


Fig. 6 Holder for ProVent 200