



**COLD AIR INTAKE
KIT TO SUIT HOLDEN VT-VY V6**

Fitting Instructions



Typical tools required for the job

The tools shown below are recommended for a hassle free installation. Please ensure you have a torx socket set available for your convenience in order to remove the torx head screws which retain the factory air box enclosure.



PART 1 - REMOVAL OF STANDARD AIRBOX



Step 1 – disconnect air temperature sensor from the top cover.



Step 2 – Open clips holding top cover.



There are 6 such clips – in the positions shown

Step 3 – lift off top cover exposing standard air filter



Step 4 – Loosen hose clamp between top cover and MAF



Step 5 - Remove the hose clamp completely & pull the top cover out away from the MAF as shown below.



Step 6 – Take out the standard air filter.



Step 7 – Lift up the standard air intake by popping out the 2 clips at the front & remove it.



Step 8- The next step is to remove the base of the air box from the mounts using a torx tip



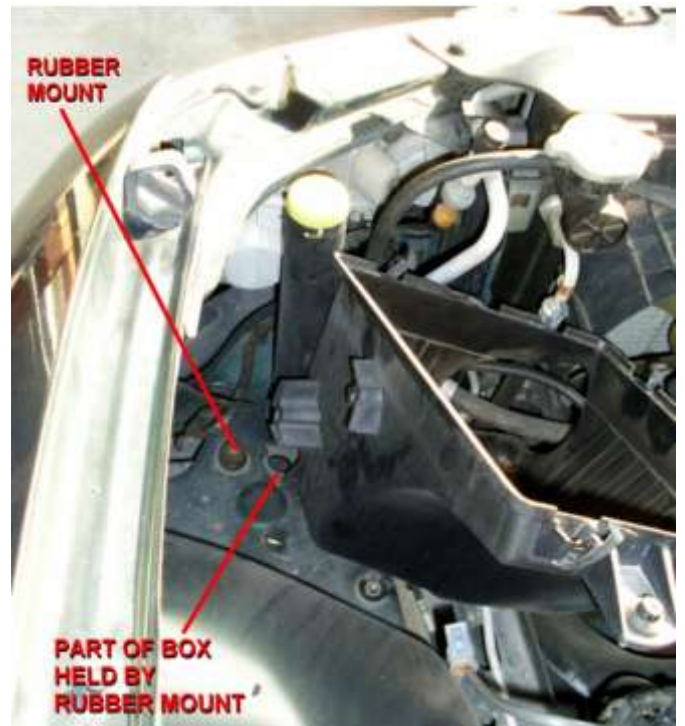
There are 2 torx fasteners to be removed. One is up at the back & the other is inside the base at the bottom as shown below



Step 11 – Pull out the wiring loom that is held in 2 places on the box by clips.



The 3rd (last mount) holding the box to the car body is a rubber mount which is hidden by the box & cannot be seen from the outside. Gently rotate the box until it pops off this mount.



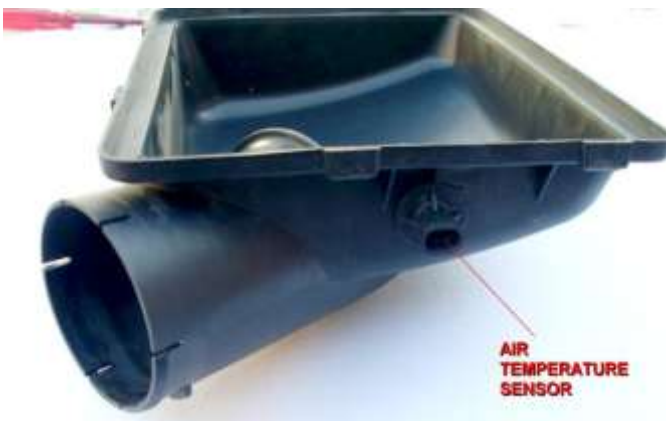
Alternatively, the last screw can be accessed by using one or more extensions with a torx tip as shown by the image on the left.

Step 12 - Remove the aforementioned rubber mount from the base of the car body.



PART 2 – TRANSFERRING AIR TEMPERATURE SENSOR FROM STANDARD BOX TO NEW COLD AIR INTAKE ENCLOSURE

Step 1 – Note the air temperature sensor on the standard box lid



Step 2 - Lift off each strip of the retainer clip holding the air temperature sensor using a screwdriver.



Note - Peel off the foam that is on the air temperature sensor.

Step 3 - Flatten the clip slightly with the end of a screwdriver as it would have been slightly deformed during separation from the sensor.



Step 4 - Insert air temperature sensor into the new cold air intake enclosure, ensuring that the clip for the wiring is on the outside



Step 5 - Place the retainer clip back on the temperature sensor & firmly squeeze them together through the wall of the enclosure.



PART 3 – INSTALL NEW COLD AIR INTAKE ENCLOSURE

Step 1 – Place new enclosure into the space. The base mounts are 2 socket headed cap screws using an allen key. Use washers to protect the plastic from scuffing.

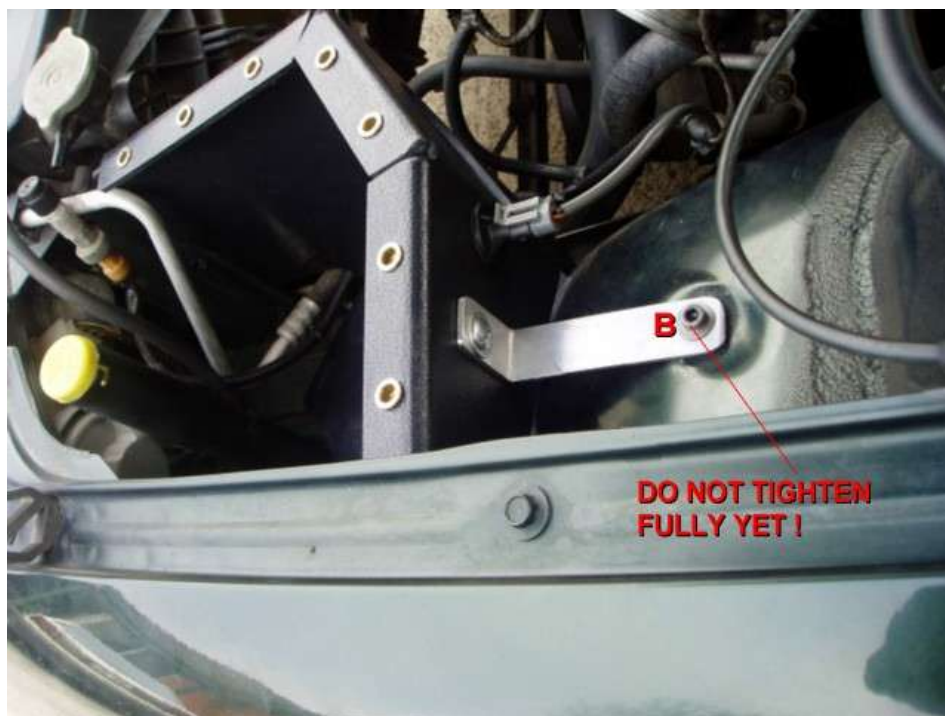


Step 2 – Insert the bracket onto the back of the box. The bracket bolts to the new enclosure at position A by a Phillips head screw with a nut on the inner side as shown below. Tightly fasten the bolt & nut at position A.





Step 3 - The bracket bolts into the car body at position B via the original mount by a socket headed cap screw using an allen key. Insert the cap screw BY HAND all the way down but DO NOT FULLY TIGHTEN YET by allen key. LEAVE IT LOOSE. The mount at position B allows for some movement & will need to be adjusted for optimal placement at the end of the installation when everything else is in place.



NOTE: Please rotate the MAF anticlockwise about 90 degrees as shown in the image below for adequate clearance. Also notch the rubber intake hose such that the new notch sits on the tab of the MAF which has now been displaced.



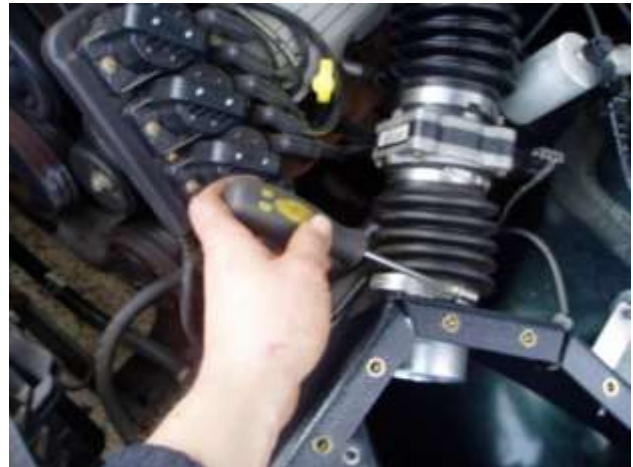
First mark out the required area to be notched as shown below, and use a Stanley knife in order cut the required section to suit the MAF locating tab.



Step 4 - Insert rubber adaptor onto the MAF and tighten the hose clamp. Carefully tighten over the adaptor tube such that it doesn't leak between the tube and the hose.



Step 5 - Insert pipe piece into rubber adaptor & tighten hose clamp.



Step 6 - Place pod filter onto the pipe piece & tighten the hose clamp.

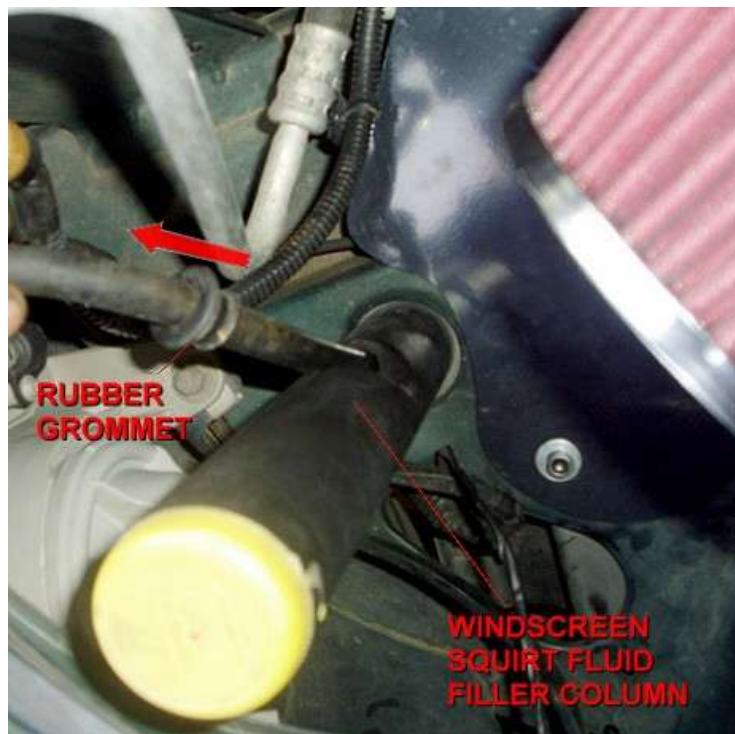


Step 7 - Place the lid of the box approximately in the correct position & check that the radiator overflow hose will reach its fitting beneath the radiator cap.



If the hose does not reach it will need to be adjusted using the following procedure-

Pull out the rubber grommet at the bottom of the windscreen fluid filler column. Once the grommet is out, the entire hose can be taken out.



Position of rubber grommet controls how much of the hose will stick out of the filler column. To slide the grommet along the hose, the hose must be pulled & stretched to thin it out.



When there is enough hose to meet the fitting, resume the installation of the lid as follows.

Step 8 - Begin to insert the button headed cap screws through the lid & into the enclosure. ORDER IS IMPORTANT! Begin at the back as shown & work one by one towards the front of the vehicle.



Step 9 - Squeeze the box with you hands to make the holes of the lid aligned with those of the box. The box is inherently elastic & designed to flex into place.



Step 10 - For the final holes at the front, place your finger under the lid & bend the side wall of the box to align the holes.



Step 12 - With all lid screws in place hold the box in a position so that the yellow filler cap is approximately in the middle of the hole of the lid & finish by fully tightening the bracket mount at the back with an alley key (simultaneously either using you other hand or having someone assist you).



Installation is now complete.

