

Unifilter has over 70 specific and universal fitting RAMPOD® filter kits in its range.

If you adhere to the fitting instructions for each individual kit you should have no difficulty fitting up the kit, however, we have produced this step by step detailed instruction page which should answer all your questions on how to fit up a RAMPOD®.

The car we have detailed these instructions on is a Nissan Pulsar N15 SSS (or "Almera" in some countries). The Nissan Pulsar SSS, which has a SR20 2 litre power plant, is a typical example of the current design of air flow meter onto air filter box application.

Please take a close look at this document if you are about to fit one of our kits, or if you are considering purchasing and you will just see how easy we make installing a RAMPOD® to your vehicle.

The Nissan Pulsar N14 and N15, Pulsar N15 SSS, Nissan Almera, NX and NXR fitted with the 2 litre SR20 engine are virtually identical when fitting our " **RAMPOD® SSS**" kit.



Almost all makes and models, where the air flow meter is bolted to the air filter box, have similar style fixing points - 4 bolts holding the air flow meter flange on the air filter box, a flat panel filter held in the box via 4 spring clips and the air box base bolted to the inner guard using either 2 or 4 bolts. Most air boxes of this style draw their air directly from the inner guard or via ducting from behind the headlight or from above the radiator support panel.

Removing the air filter box. We have always found that the best way to remove the air filter box is to first separate the induction hose from the air flow meter. Why? - getting to the bolts under the air flow meter can be one of the most difficult jobs when fitting a RAMPOD®. Having the air flow meter withdrawn and attached to the air box means far easier access AND far less chance of damaging the air flow meter.



Un-clip and remove the air flow meter wire harness from the air flow meter.

Remove the air flow meter/air filter box assembly from the engine bay.



Unbolt and remove the air filter box base from the inner guard.

With the air box removed from the engine bay the area is now clear for the RAMPOD® kit to be fitted.



With care, now remove the air flow meter from the air filter box. Most manufacturers use a locking paste on the threads of these bolts. Use a good quality socket or ring spanner to remove these bolts - a wrist snapping action usually frees the stud bolts from the air filter box. Be firm but careful.

Align and attach the air flow meter to the RAMPOD® flange using the bolts supplied. Most makes and models have an "O" ring seal in the air flow meter. If your make does not, we recommend a smear of sealant over both surfaces in order to provide a positive air seal.





Re-fit the air flow meter into the air induction hose but do not tighten at this time as we need to position the kit. Most Unifilter RAMPOD® kits attach to existing captivated nuts or existing holes in the bodywork. However, with the N14/N15 Pulsar, we need to bolt the kit onto the suspension strut tower, so it will be necessary to drill 2 holes to support the kit.

Position the RAMPOD® kit and mark, using the holes in the RAMPOD® bracket, ready for drilling. As with fitting any aftermarket product; double check your positioning prior to marking.



Drill the two 6 mm (¼") holes in the strut tower. Ensure that you do not allow the drill bit to damage the rubber strut cover on the inside of strut. Note - when bolting up the bracket to the strut, the best method of holding the nut is to use masking tape to hold the nut inside your ring spanner - there is little room between the spring and the tower, so this will make your task much easier.

Having bolted up the RAMPOD® bracket to the tower; first fit the RAMPOD® support cage and then, with the clamp attached, slide the RAMPOD® foam on and tighten the clamp. Now tighten the air induction hose clamp - do a final check of all bolts and mounts. Re-connect the air flow meter harness and....



...you are now ready to fire up the engine. Enjoy the benefits and drive safely.

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