



FILTER CHARGER[®]

INJECTION PERFORMANCE KIT

INSTALLATION INSTRUCTIONS

57-0309

**VAUXHALL / OPEL CAVALIER Mk3 2.0L
16v 1989 – 94 (SFi MODELS ONLY)**



This Kit Should Contain:

- 1 x Clamp On Filter.
- 1 x Cold Air Hose Assembly.
- 1 x Instruction Pack :-
- 1 x Filter Maintenance Sheet.
- 1 x Leaflet.
- 1 x K&N Window Sticker.
- 1 x Million Mile Warranty.

1 x Fixing Kit :-

- 1 x Small Metal Restrictor Tube.
- 2 x M6 Nuts.
- 2 x 6 mm Shakeproof Washers.
- 1 x 6 mm Flat washer.
- 1 x Large Washer.
- 1 x #48 Studded Hose Clip.
- 1 x #48 Hose Clip.
- 1 x #4 Small Hose Clip.
- 3 x Long Plastic Ties.
- 1 x Bracket.

Your car and the engine bay should look like the ones in these pictures, if not then talk to your kit supplier. Should you still have a problem, call K&N customer services. Tel: 01925-629609. Fax: 01925-629610.

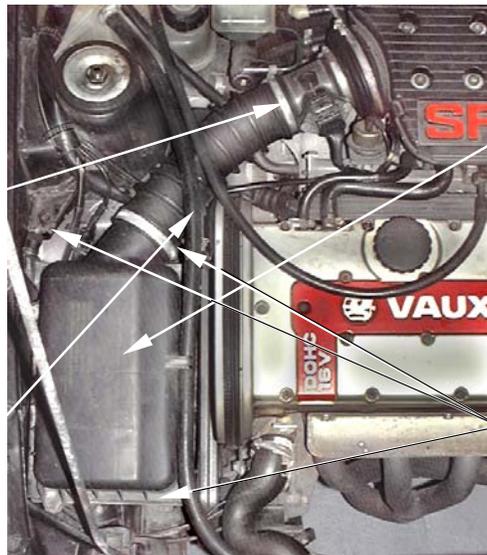
FITTING YOUR 57i KIT

When fitting the kit it is **essential** that you **carefully follow these particular instructions**. Kits fitted incorrectly may show a loss in performance, e.g. the positioning of the essential cold air hose, (flexi expandable and rubber hoses are used).

Photo A

1. Unclip and remove the rubber intake hose from the MAS (Mass Air Sensor).

2. Remove the air temp sensor from the intake hose.



3. Unclip and remove the air box lid assembly from the air box base and remove from the car.

4. Unscrew and remove the complete air box base assembly.

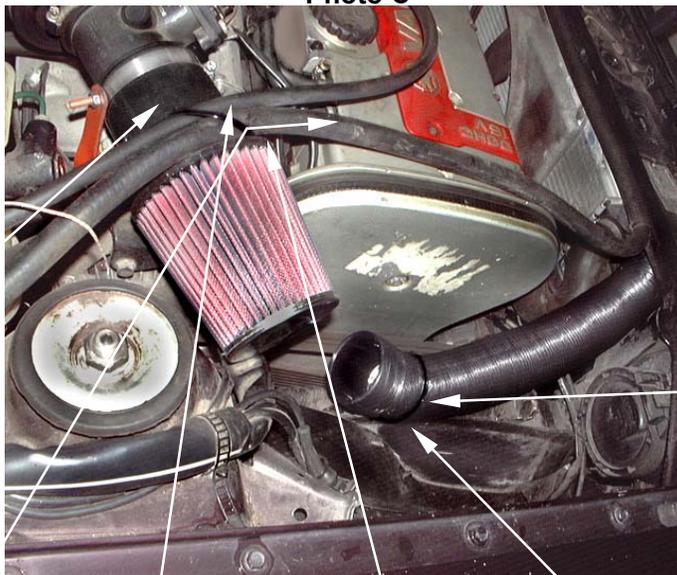
Photo B

Attach the new mounting bracket to the alternator-mounting bracket on the inlet manifold using the original screw



Photo C

1. Fit the new filter onto the MAS. Do not push in beyond the step, as this will affect airflow. Attach the studded clip on the filter to the new mounting bracket using the nut and washer supplied. Tighten the hose clip until the filter just turns, Rotate the filter until the K&N logo is straight then tighten the clip one full turn (360 degrees) **no more, Do not overtighten the clip.**



6. Carefully lengthen the flexi cold air hose to approx. 64 cm / 25", Pierce / drill a 3 mm hole in one end of the cold air hose, feed this end past the gap at the side of the radiator to the front grille. Secure the other end of the flexi hose to the hole in the large washer using a long plastic tie. Position the end of the flexi cold air hose to finish **10 cm / 4"** from the filter **no nearer**

2. Unclip and remove the small breather hose from the cam cover. Insert the small restrictor tube approx. 1.5 cm into the end of the breather hose. Refit and secure the end of the hose to the cam cover.

3. Fit the air temp sensor into the hole in the side of the filter neck.

4. Secure the coolant hose and accelerator cable to the filter neck using a long plastic tie.

5. Remove a rubber bobbin from the air box base. Refit the rubber bobbin to the rear air box mounting point using an original nut. Fit the large special washer to the other end of the bobbin and secure with a nut and spring washer supplied.

Photo D



Feed the flexi cold air hose to the front grille, then feed a plastic tie through the hole in the end of the hose and secure the hose to the grille. (It may be necessary to remove the grille to aid the fitment of the hose).

Tuning.

CAT. Cars. No adjustments are required.

An increase in fuel may be required if further engine modifications are to be carried out.

Filter maintenance.

Under normal conditions clean and re-oil the filter at approx. 40,000 miles / 65,000 Km.

Use only K&N cleaner and oil and follow the instructions carefully.

K&N filters are pre-oiled ready to fit.

The advantages of K&N's cold air intake system

Cooler air being denser will show positive improvements in power over filter systems that draw hot air from the engine bay.