

HICLONE BROCHURE



WELCOME
TO
HICLONE
WORLD



WORLD OF...

LESS EMISSIONS
MORE MPG = REDUCED COSTS
MORE TORQUE
QUIETER ENGINE



Dear customer,

Welcome to the world of Hiclone... world of **less emissions**, more miles per gallon and reduced costs, more torque, and quieter engine. This brochure is for you to explore our exciting Hiclone world.

Hiclone is a revolutionary fuel saving device for all internal combustion engines that puts money back into your pocket.

You will find plenty of useful information such as product description, technical details, fitting information, Hiclone website information and last but not least our contact details in this brochure. We have tried to include all the most important information to understand this masterpiece, however, we know that it is very easy to get thrilled by Hiclone and therefore we are sure that there will be plenty of questions that will cross your mind. We encourage you to get in touch with us so we can answer all your questions and meet all your needs.

Your dedicated Hiclone Team.

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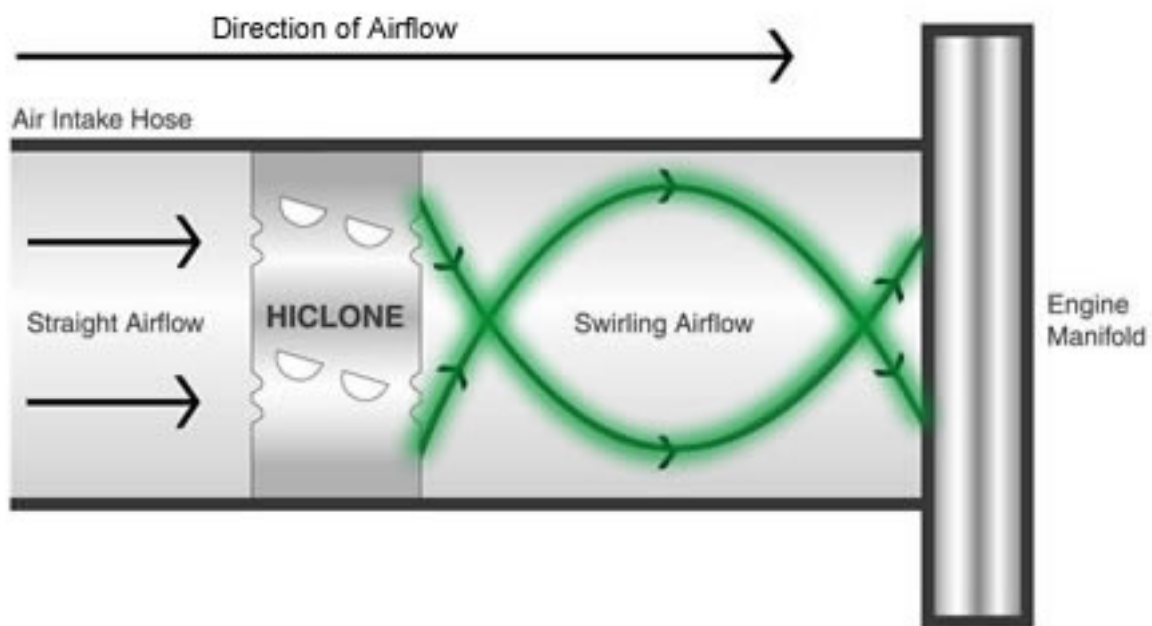
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I. DESCRIPTION OF HICLONE

HICLONE IS A REVOLUTIONARY PRODUCT FOR ALL INTERNAL COMBUSTION ENGINES. THIS EFFECTIVE INVENTION HELPS TO:

CUT EMISSIONS
SAVE FUEL & LOWER YOUR COSTS
INCREASE TORQUE
QUIETEN ENGINE

Hiclone is a non-moving stainless steel device that sits inside the air induction system (air intake pipe/hose) of an engine. It changes the flow of air from straight and direct into SWIRLING airflow. This swirling effect improves the air/fuel mixture creating a more complete combustion as more of the available fuel is consumed.



Hiclone makes the power in each cylinder more even and reduces piston slap and scuff, leading to a more stable performance. Better flame propagation offers a more even down force on pistons. **More efficient burning of the fuel cuts smoke and other hydrocarbon emissions.** The uniform force reduces noise and prevents abnormal abrasion. Hiclone improves low down grunt of turbo charged engines making towing and hauling heavy loads more effective. It improves top end torque requiring less gear changes promoting a smoother ride and a reduced engine wear.

II. TECHNICAL DETAILS

I.I SUITABILITY

Hiclone works in ALL INTERNAL COMBUSTION ENGINES - petrol, diesel, LPG. It is suitable for CARS, 4X4, VANS, TRUCKS, COACHES, CONSTRUCTION MACHINERY, BOATS, etc.

Hiclone is suitable for all engine air induction systems - it is manufactured in variety of diameters in order to fit various air intake pipes/hoses and in three different sizes in order to suit different types of vehicles/engines.

I.II TYPES OF HICLONE

Small 25mm	Regular 40mm	Heavy 70mm
<p>Small Hiclones are 25mm long and come in a variety of diameters. They are suitable for</p> <ul style="list-style-type: none"> • cars • other light vehicles. 	<p>Regular Hiclones are 40mm long and come in a variety of diameters. They are suitable for</p> <ul style="list-style-type: none"> • cars • other light vehicles. 	<p>Heavy Hiclones are 70mm long and come in a variety of diameters. They are suitable for</p> <ul style="list-style-type: none"> • trucks • other heavy vehicles.
<p>They are designed for</p> <ul style="list-style-type: none"> • throttle bodies • confined spaces. 		<p>They are designed to be</p> <ul style="list-style-type: none"> • extra strong • extra resistant.
<p>They are referred to as KI-25 type Hiclones.</p>	<p>They are referred to as KI type Hiclones.</p>	<p>They are referred to as KI-H type Hiclones.</p>
<p>E.G. Thus a KI-2553 is a KI-25 type Hiclone with 53mm diameter.</p>	<p>E.G. Thus a KI-50 is a KI type Hiclone 40mm in length and 50mm in diameter.</p>	<p>E.G. Thus a KI-150H is a KI-H type Hiclone with 150mm diameter.</p>

III. FITTING INFORMATION

In this part of the Hiclone brochure we provide you with general fitting guidelines. Additionally we are able to provide you with specialised fitting guidelines for Land Rovers.

We also have an extensive application list and therefore we are able to advise what type of Hiclone is applicable to a particular type of car. However, if any type of car is not included in our application list, we provide measurement guidelines which are included below.

As you might notice later the whole process of fitting Hiclone is considerably straight, however, we offer professional fitting service by one of our mobile distributor (service charge applicable) or we can find an authorised fitting centre for you, considering your location obviously.

III.I GENERAL FITTING GUIDELINES

Make sure you fit Hiclone properly. Note that arrow label on the Hiclone that says "engine", the arrow points to the side which should face the engine. If the label is missing note that the front edge of the curves are curved and the rear edge of the fins are flat. The front curved edge fins should face the airflow. Fit Hiclone tight and snug so that it does not move and the fins meet in the middle. Make sure breather pipes or sensors do not obstruct the swirling airflow. Place Hiclone so the air can swirl uninterrupted.

FOR NORMALLY ASPIRATED ENGINES fit Hiclone in the air hose that connects the air cleaner to the manifold/throttle body. If the engine is fuelled by petrol or LPG than place Hiclone 100-300mm in front of the manifold/throttle body by undoing the hose clip and pushing the Hiclone up the flexible hose. If fitting a diesel engine, then place Hiclone as close as possible to the manifold. After fitting replace the hose and do up the clip and the job is completed. On some engines it might be easier to remove the entire hose by undoing the clips at the both ends.

FOR TURBO CHARGED ENGINES if possible, fit two Hiclones. If an intercooler is present, fit the first Hiclone in the air induction hose that connects the intercooler to the manifold. If an intercooler is not

present, fit the first Hiclone in the hose that connects the turbo charger to the manifold. If the engine is fuelled by petrol or LPG then place Hiclone 100-300mm in front of the manifold/throttle body; if fuelled by diesel place it as close as possible to the manifold.

For both types of engines, the second Hiclone should be fitted in the hose that connects the air cleaner to the turbo. It needs to be fitted between 150-300mm in front of the turbo, sometimes a good place to fit this Hiclone is in the air cleaner plastic spigot or casing. On some turbo charged engines it is not possible to fit a Hiclone near the manifold.

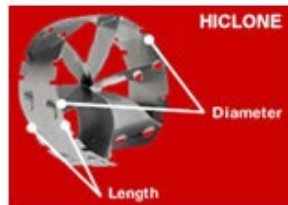
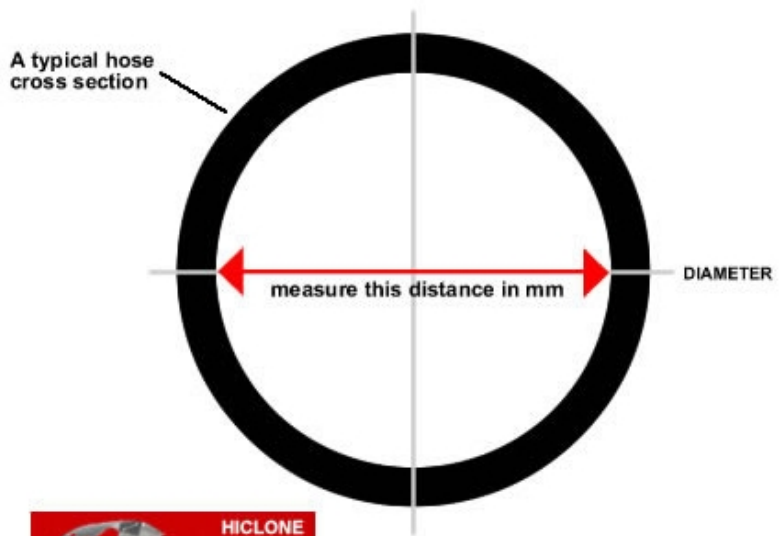
On some engines, due to a complex nature of the air hose, it may not be possible to fit Hiclone in the required position. In this case place the Hiclone in the next best position that you can find. This may be the air cleaner housing for example.

Additional Hiclones may benefit certain engines. For instance, Land Rover intercooled engines benefit from having an extra third Hiclone fitted in the intercooler/manifold hose placed near the intercooler. Petrol Freelanders, for instance, benefit from a second Hiclone placed close to the air cleaner.

III.II MEASUREMENT GUIDELINES

Hiclone is ring shaped and has a standard length of 25/40/70 mm (see Types of Hiclone table). It comes in numerous diameters to fit inside various air induction hoses. In order to find out which type of Hiclone is suitable for a particular hose it is vital to measure the diameter of the flexible hose at the points indicated in the illustration which can be found on the next page.

HOW TO MEASURE HOSE/PIPE FOR HICLONE FITMENT



IV. HICLONE WEBSITE INFORMATION

We hope that this brochure encouraged your interest in Hiclone and that you are now excited enough and ready to find out even more information on our website. You can find Hiclone on following URL:

www.hiclone.co.uk

Hiclone website provides you with constantly updated

news
test results
testimonials
price list
frequently asked questions
and useful links.

Obviously, because we value our customers all the information available to download are in secure PDF formats. We look forward to seeing you on our website.

V. CONTACT DETAILS

We would like to thank you for your time and your attention and we hope to hear from you soon.

Your dedicated Hiclone team.

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