



Cold Air Intake

PART# 223-065

Installation Instructions

For: All MGA and MGB with twin 1 1/2" SU carburetors (H4, HS4 and HIF4)

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Bill of Materials		
Item No.	Description	QTY
053-474	AIR FILTER, COLD AIR INTAKE	1
053-380	COLD AIR TUBE	1
294-800	GASKET, CARB TO AIR FILTER	2
053-436	BOLT, 5/16-24 X 4.5, GRD 5, ZINC	1
320-415	BOLT, 5/16 UNF X 1 1/2	1
322-175	BOLT, AIR FILTER, 5/16-UNCX4.5	1
322-290	BOLT, 5/16 UNF X 1, G5	1

Bill of Materials		
Item No.	Description	QTY
052-639	BOLT, 5/16-18 X 1.5, ZINC	1
365-720	WASHER, FLAT, 5/16	4
051-587	WASHER, LOCK, 5/16 IN	2
770-476	NUT, 5/16 UNF, ZINC PLATED	2
051-446	NUT, STANDARD, 5/16 UNC	2
053-472	INSTRUCTIONS, COLD AIR KIT	1

Tools required:

- (2X) 1/2" combination wrenches
- 8mm socket and ratchet or nut driver

Take note that this Cold Air Intake has been designed to use only the outer bolt hole to attach to each carburetor. The CAI is very light and is easily held in place with one bolt on each side.

This cold air intake does not provide a port for the valve cover breather. If your car is equipped with a breather hose running from the valve cover to the air filter, you need to source a small valve cover breather such as K&N P/N 62-1015.

- 1) Remove the air filters from the carburetors (HIF carburetors shown).



Figure 1



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- 2) Place the band clamp around the open end of the air filter. Install the air filter onto the cold air intake (CAI) tube. Leave the clamp loose for now. For MGA the filter must be aimed in a specific direction in order to clear the body of the car and allow for engine rock. Illustration 2 is the general direction the filter needs to point for MGA.

For MGB the filter orientation is not as critical and just needs to aim down in front to clear the hood. Do not tighten the band clamp until the last step to allow for slight adjustment once the CAI has been mounted.



Figure 2



- 3) Test fit the CAI assembly to the car. Adjust the filter as necessary to make it clear the body of the car.



Figure 3



Figure 4

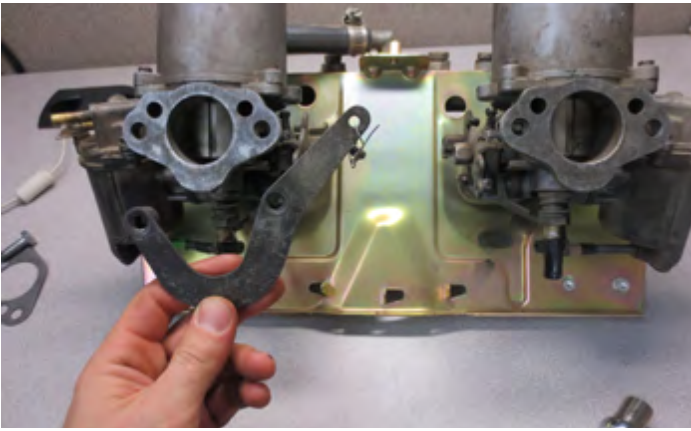


- 4) **HIF Carburetors with UNC Threaded Holes:**
Select the coarse threaded bolts that fit your carburetors from your kit. Place a lock washer on each bolt. Thread the bolts through the CAI and into the carburetors. Be sure to place the gaskets between the CAI and the carburetors.

Do not over-tighten. Usually, a bit more than hand-tight is perfect.

HS Carburetors with non-threaded holes:
Select the three fine threaded bolts from your kit. The U-shaped air cleaner support for the front carburetor will need to be re-used since it forms part of the choke linkage.

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Take the shortest bolt and place it through the gasket then into the right side of the carburetor (do not use a washer). A drop of blue loc-tite on this bolt is a good idea. Temporarily hand thread the longest bolt into the other side to hold the gasket in the proper place. Tighten the right hand bolt down, then remove the long bolt.



Place a lock washer over the long bolt and install into the CAI. Pass the bolt through the hole in the carburetor and into the threaded air cleaner support. Loosely tighten for now. The right hand bolt may need to be repositioned slightly tighter or looser to clear the outside of the CAI. Alternatively, you can install the short bolt through the rear of the air cleaner bracket, then install the bracket to the carb.

On the rear carburetor, install a flat washer on the remaining bolt. Pass the remaining bolt through the

CAI, and line up the gasket. Install a fine threaded nut and lock washer. Tighten both sides. Do not over-tighten. Tighten only enough to compress the lock washer.



H Carburetors with non-threaded holes:

Installation is similar HS Carburetors above but there is no air cleaner support bracket to worry about. Install a fine threaded bolt and a flat washer on both sides. Pass through the CAI and line up the gasket. Secure the back side of both with a lock washer and nut.

- 5) Now that the CAI is installed, make final adjustments to the position of the filter. Finally, tighten the band clamp with an 8mm socket or nut driver.



Figure 5

Enjoy your new cold air intake! See MossMotors.com for all your classic British car needs.

Although every effort has been made to ensure the accuracy and clarity of this information, any suggestions that you may have that will improve the information (especially detailed installation notes and photos) are welcome. These instructions were developed and written by Moss Technical Support. If you have any questions or difficulties with your installation of this product, telephone 800-667-7872 between 7:00 a.m. and 4:00 p.m., Pacific Time for assistance.

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