



Casa Performance

X218k CASACOOOLER 'AT A GLANCE' FITTING GUIDE

LAST UPDATED 09.12.2019

***For all original Italian, Spanish
or Indian engines***



X218

CasaCooler

In our quest to upgrade and replace every Lambretta engine part with intelligently-designed modern parts, Casa Performance turned its attention to the complete magneto housing for standard Lambretta casings, whether they are of Italian, Indian or Spanish origin.

The CasaCooler has been designed from the ground-up to eliminate many of the problems of the original mag housing but to still be interchangeable with the original parts in a standard engine.

Some of the many advantages and features include:

- Direct plug n' play replacement part for ALL standard type Lambretta magneto flanges.
- Designed to fit ALL original type Italian, Indian or Spanish engine casings.
- Petrol-oil lubrication of the flywheel bearing to reduce power loss.
- Single oil-seal for the flywheel side to reduce friction. This is retained by a circlip and can be removed from the outside.

- Removable steel bearing housing with O-ring seal permitting replacement of the flywheel bearing. An extractor tool for this part is supplied with the kit.
- Internal shaping with Computation Fluid Dynamics software (CFD) to maximise air-flow from the fan giving a MASSIVE increase in cooling for the cylinder thus allowing your engine to run much more efficiently.
- Forward-facing screws for use with the matching Casa fan cowling.
- Outwards-facing reinforced threaded holes to accept standard cowlings.
- Simple rubber seal for the stator wiring.
- Recessed on the rear to allow better clearance for most exhaust U bends.
- Straight forwards, hassle-free plug 'n' play fitment.
- Choice of 6 colour options (red, blue, orange, silver, black, gold).
- Although they are designed primarily for Casatronic and Varitronic ignitions, they can be used with all Lambretta ignitions & flywheels (only Indian long-fin or BGM flywheels need machining to suit).

Each CasaCooler magneto flange kit includes the following parts:

- CNC external magneto flange
- CNC central support section
- Steel bearing + oilseal bush
- Viton oilseal
- CNC flywheel cowling
- Complete set of fasteners + hardware
- Silicone bead gasket
- 2 x circlips
- Viton 'O' ring

How to fit?

Casa Performance has also made a simple fitting [video](#) to explain how the CasaCooler goes together and fits. This can be seen on the Casa Performance 'YouTube' channel.

What ignitions can, or cannot be used?

We designed the CasaCooler mag flange kits to be used with most Italian parts (both original and remade) and to date (February 2018), the only item on the market we have seen that requires modification is the BGM electronic flywheel. These have fins that are wider (i.e. they run further in towards the centre of the actual flywheel) and are slightly wider on the underside. Therefore if you choose to use a BGM ignition the flywheel needs to be machined to suit. See below.

Where to get one?

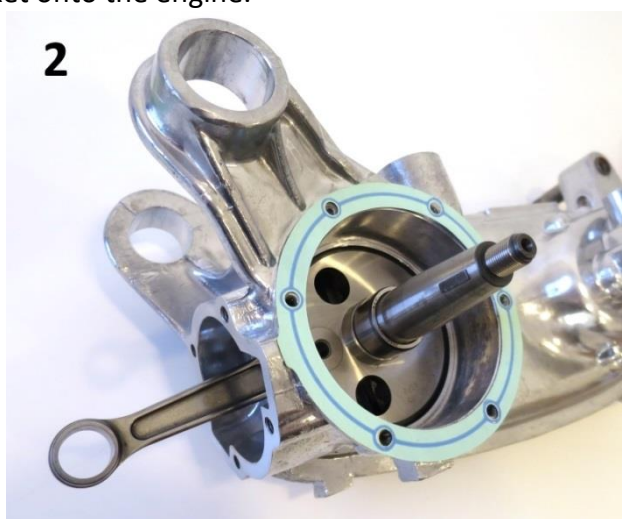
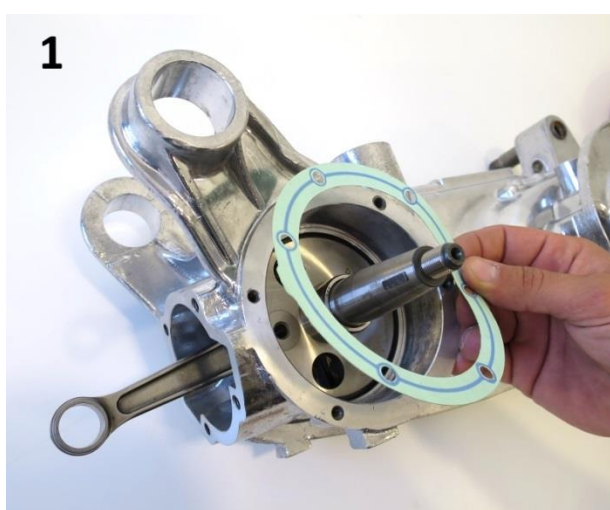
They are available at any [Casa Performance dealer](#) or direct from [Rimini Lambretta Centre](#).

QUICK AT-A-GLANCE FITTING INSTRUCTIONS

Please note that this is a simplified, 'quick at-a-glance' installation guide and the full instructions including ALL fitment operations can be seen by watching the fitment [video](#) we have posted on the Casa Performance YouTube Channel.

If you have any doubts contact your supplying dealer or [contact us](#). RLC cannot be held responsible for any problems that may occur due to possible fitting difficulties arising from the use of other manufacturer' components.

Pics 1-2 Remove your old magneto flange. Then remove the flywheel bearing and refit into the CasaCooler flange. Place the silicone bead gasket onto the engine.



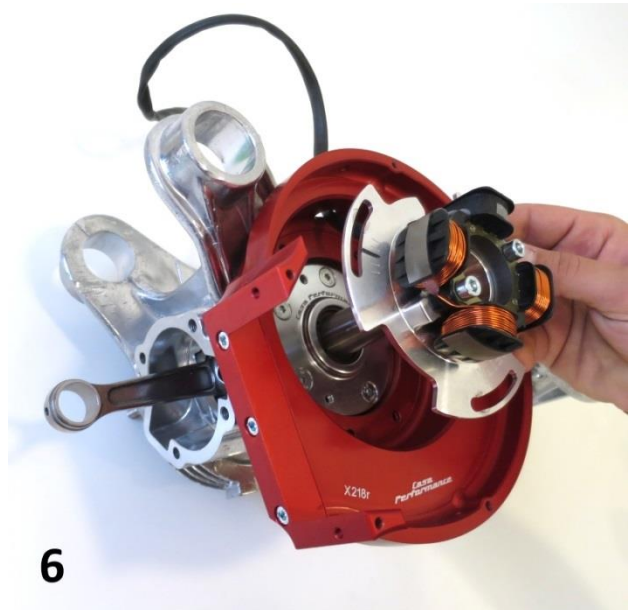
Pics 3-4 Fit the central support section (already fitted with the steel bearing bush etc.).



Pics 5-6 Fit the outer magneto flange and then the stator plate.

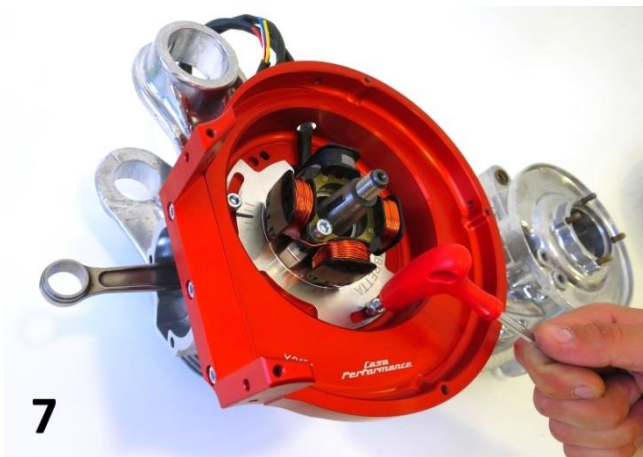


5



6

Pics 7-8 Tighten the stator plate and then fit the flywheel.



7



8

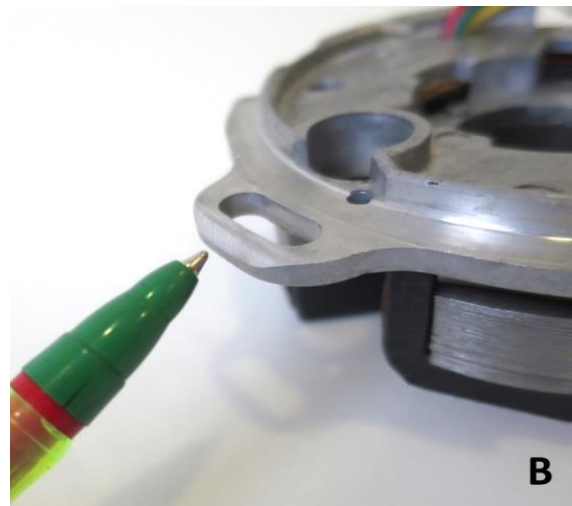
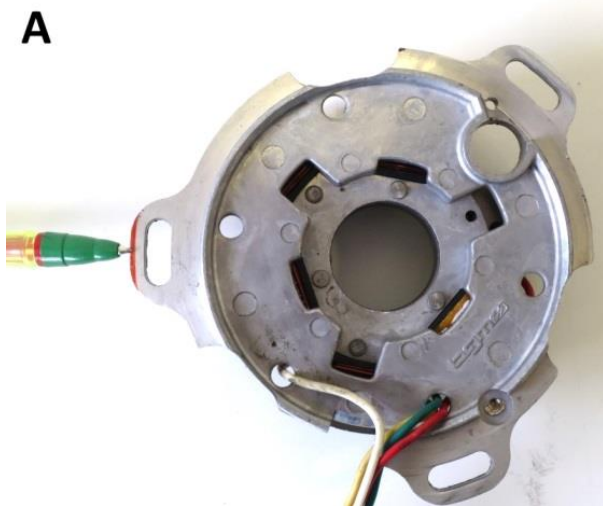
Pic 9 Fit and tighten the external flywheel cowling and you're ready to go!



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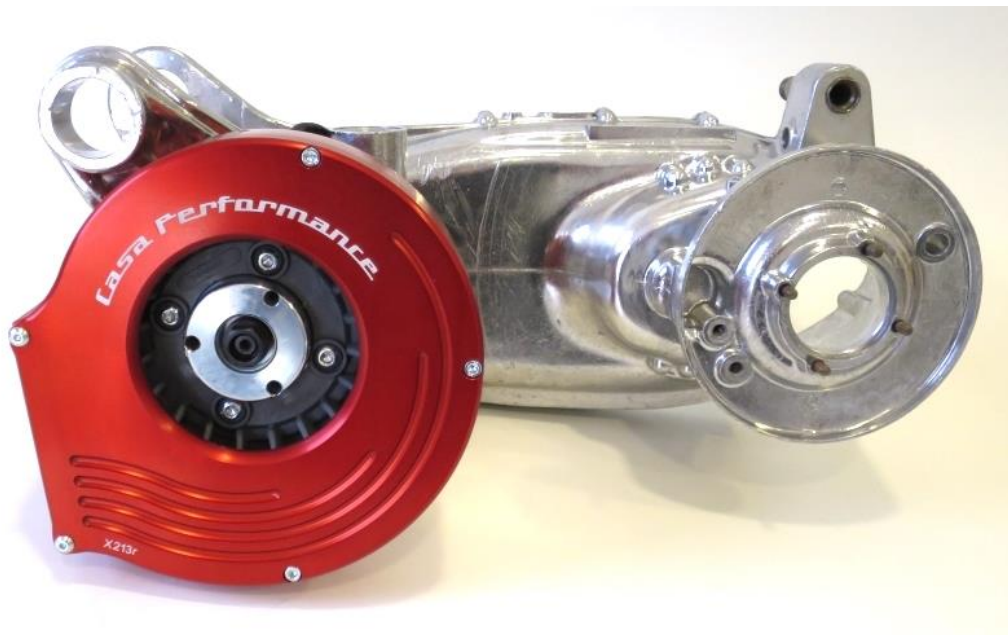
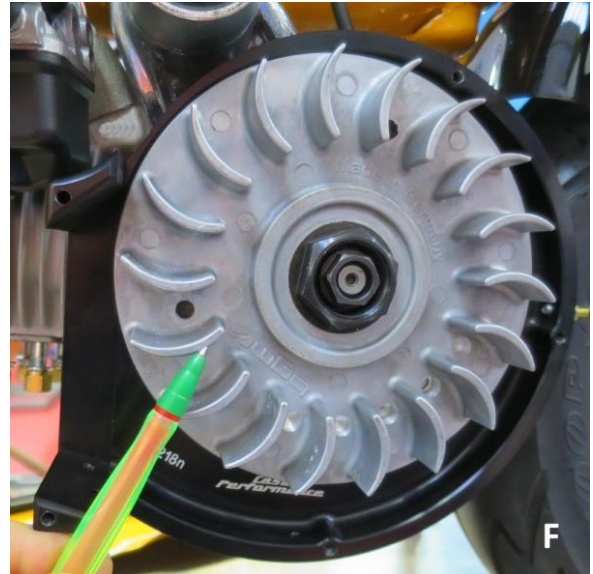
Fitting Update : Ones to Watch!

Please note that certain stator plates such as some SIL Indian electronic and BGM stators, are slightly wider than Casatronic, Varitronic or original Italian stators, so the underside of the 3 mounting lugs may need filing at an approx. 45 degree angle to allow them to sit flush inside your CasaCooler. Below **Pic A** shows where to file. **Pic B** shows a filed lug. **Later production CasaCoolers have been altered slightly to accommodate these wider-than-original stators**



BGM flywheels have much wider fins than other flywheels and are also wider on the underside, so they will need to be suitably machined until they fit. See **Pics C, D, E and F** below. Indian long-fin flywheels also need to be machined until they fit.





Recessed for better U bend clearance

Casa Performance



CasaCooler Mag Flange kits!



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