

ENG

**Thanks for purchasing the Racing-Bike / Gabro Racing
RAM-AIR performance duct with race front subframe
for Aprilia RS660**

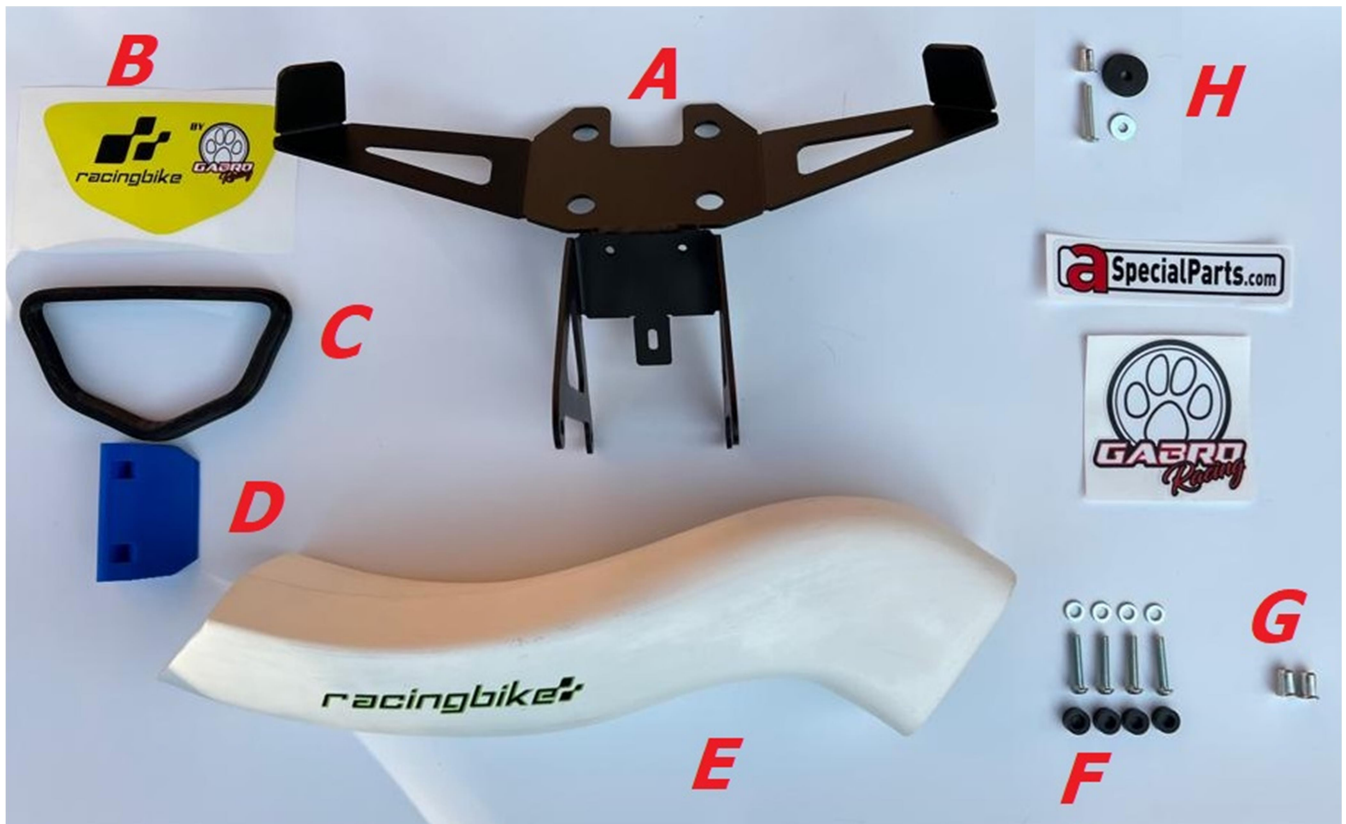


Note 1: Installation is possible in track-only bikes. This whole package is reversible, but it will be very hard to restore your bike to street use after applying this mod.

Note 2: This is a very intrusive kit: it's assembly involve the whole mid-section and front end of the bike. Installation time is about 3hr and it's needed a full board of skills and tools. Taking the bike to a reputable shop for installation is highly recomanded.

Note 3: This kit has been developed using Cruciata fiberglass fairings as base: we cannot guarantee a perfect fit on other producers fairings, but our interest is to check and improve the kit to make it fully compatible with any fairing kit on the market, so please advise of any improvements we can do to our product!

The Kit Content:



- A- Fairing stay/dash support
- B- Fairing cut template sticker
- C- Fairing gubber gommet for ram-air duct
- D- Steering stem fin
- E- Ram-air duct
- F- Fairing stay bolts, washers and spacers
- G- Fairing stay M6 rivnuts
- H- M5 rivnut, bolt, washer, rubber washer for duct fixing to fairing stay

Start removing the whole fairing from the bike, remove the fuel tank, remove the airbox. The wiring loom has to be moved from stock passage inside the frame air scoop: remove dash and remove oem dash support/front subframe. Disconnect the whole front electrical system. Remove the vehicle loom plastic cover fixed to the frame right beam internals. This whole passage is needed because the dash electrical connector is too big to pass between frame and steering stem: remove the fork upper triple, remove front wheel. Suspend the bike front end using a jack under the motor, or a top hoist. Un-do steering bearing and drop fork and lower triple: while fork is off, pass the front wiring loom back in the frame. Fit fork and front wheel back when done.

Use electrical tape to restore wiring loom protection, move the loom on the side of the throttle body and head cover, pass it out the frame above the radiator (**FIG 1 & 2**). Install the supplied steering stem fin (**item D**, see **FIG 3**), using 2 zip-ties.

Install the kit's aluminium sub-frame (**item A**) using the supplied hardware (**item F**) and accommodate on its side the wiring loom and all the electronic accessories and connector using zip-ties keeping them temporarily loose. Do not reinstall the dash for the moment, but fit it's rubber washers in the frame.

Take the fairing cut template sticker (**item B**) and place it on front fairing nose cone: position it carefully in the middle line, keeping it's lower corner at just 5mm from fairing lower corner (see **FIG 4**). Cut the fairing using a dremmel tool and a grinding disc. Wear proper DPI.

Fit the gummy duct frame/seal (**item C**) in the fairing cut. It would have a loose fit, allowing a little floating.

Place the fiberglass duct (**item E**) in the frame hole, then test fit the fairing to the bike: insert the intake side of the duct in the nose cone hole fitted with the rubber seal. Check fairing alignment, drill front sub-frame supports lugs for fairing when alignment is ok. You can use supplied M6 riv-nuts (**item G**) or the classic screws+nuts.

Go check duct floating: it should not be blocked between frame and fairing holes, but it should be allowed to move a bit in the front/rear direction. The duct is made on purpose a bit longer: you can cut the eventual excess on the frame side of the duct. Duct should not touch steering stem inside the frame, and should end flush with the rubber seal on the fairing.

When duct positioning and fit is good, use the front sub-frame central lug as a template to drill out the duct in order to fit the supplied M5 riv-nut. You can bend a little the lug to match duct orientation (**FIG 5**). Lock the duct position using supplied hardware (**item H**).

Now complete the wiring at front sub-frame, install the dash, tight the zip-ties. Check wiring not being pulled or pinched at full steering angles left and right.

Clean the bike from the installation residues, reinstall the airbox, tank, and the rest of the fairing.

Load the specific ram-air map in bike ECU using your UpMap system

FIG 1:



FIG 2:

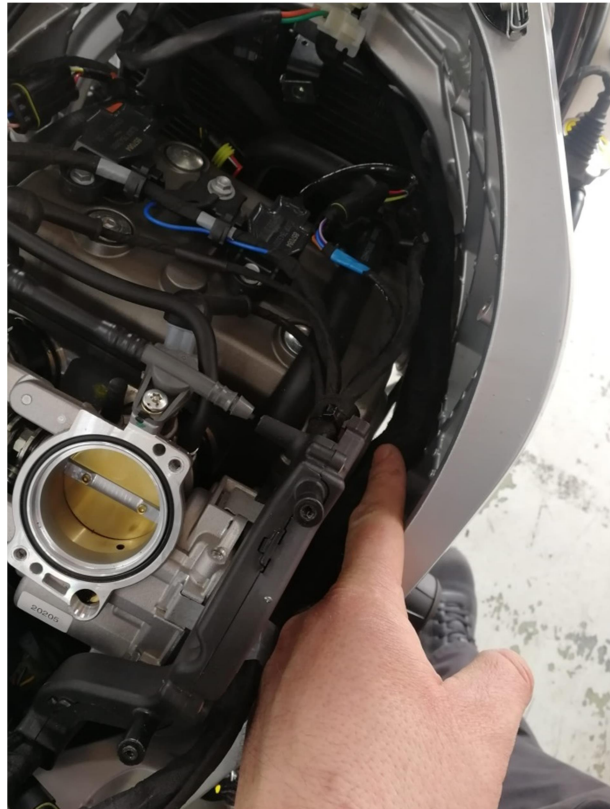


FIG 3:

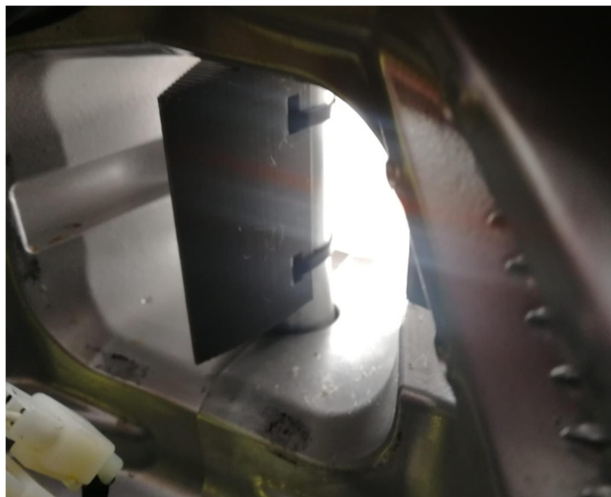


FIG 4:

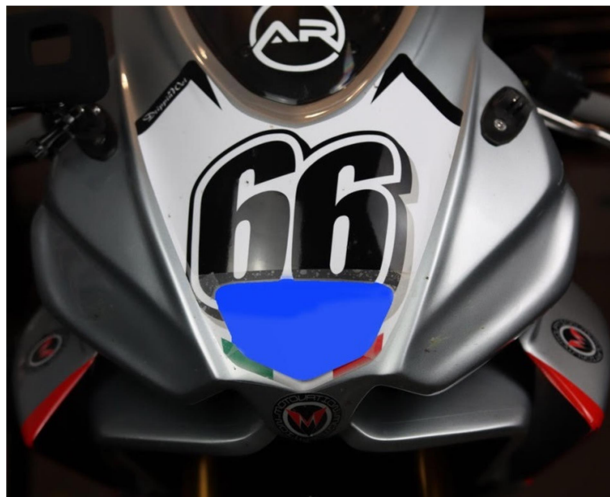


FIG 5:



ATTENTION: this is a race product intended to be used on closed courses.