



## FITTING INSTRUCTIONS

### ***Congratulations on your choice of a Quill silencer.***

Your Quill exhaust is a precision manufactured product, designed for ease of fit, power and reliability.

Please read the instructions carefully before attempting to fit the Quill exhaust system.

Use good quality penetrating oil when removing the original silencer, as Quill cannot accept responsibility for broken or damaged fixings. We recommend the use of high temperature exhaust sealant around all joints when fitting the silencer. Also it is important to use a small amount of oil/grease to lubricate all stainless steel threads (i.e. copper slip).

Please ensure that before you start work on your machine, that your work area is clean, uncluttered and well lit. Also make sure that you have suitable tools for the job i.e. 10 & 13mm spanners, 5 & 6mm allen keys.

Remove standard rear silencer unit, complete with standard gasket, wrap it up and keep it safe for future use.

Before fitting Quill silencer, ensure that all gasket surfaces are clean and rust free.

Apply silicone sealant or suitable sealant to all mating surfaces i.e. a 3mm bead to replace the standard gasket.

Bolt on cans e.g. CBR 900 just fit onto mounting flange using the screws, which are inserted in the Quill silencer. Remove the three screws and place through the flange, screw into the mating face of the silencer tighten evenly using a 5mm allen key. Then fit supplied mounting strap and tighten.

### ***On some Hondas, the welds need to be tidied as they interfere with fitting.***

Slip on cans e.g. CBR 600 have a separate connector pipe. Basically the silencer and pipe are slotted together. Using sealant between the two joins. Do not tighten clamp just yet. Install assembly onto mounting stub, on standard headers. Again do not tighten. Hang the assembly in place using mounting strap supplied. The strap has a protective plastic coating, which can be removed after fitting is complete. When happy with silencer alignment, tighten all clamps securely. Some exhausts have spring hooks fitted as they may be used for racing systems.

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### ***Please note that some models will require the use of the standard gasket.***

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If there is a recess in the front flange of your bolt on silencer then the standard gasket may be needed. Certain bolt on models may require remedial work to ensure fitment where the OE internal sleeve may need shortening slightly to accommodate, mainly Triumph and Kawasaki. On some Hondas, the lumpy welds will need to be tidied.

### **IMPORTANT**

Please ensure there is adequate clearance between swing arm link pipes and silencer body. Where baffles are fitted, please ensure that they are fastened tightly before usage, (if leaving them in) as **Quill cannot assume responsibility if lost.**

We recommend that a jet kit is fitted in conjunction with a Quill RACE silencer i.e. Dyno Jet or Power Commander for best power results, or at least the motorcycle be run on a dyno to check the CO reading is adequate i.e. 4.5 % - 5.5 % co.

*NB: On some high level or upswept applications, rear foot-pegs and/or indicators may have to be removed and relocated as needed. Quill assumes that where such an application is evident, that the customer is aware of this prior to order.*

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### **RACE PIPEWORK – IMPORTANT NOTES**

Where race pipework is supplied and fitted to any road going machine, it is worth noting that sometimes their course does not follow the exact lines of the original equipment, therefore it is recommended that heat resistant material (not supplied) always be fitted where pipework sits close to any panelling, or anywhere where there may be a danger of heat spoiling panels. Accordingly, some level of mechanical knowledge is required as some machines may also require minor modification to ensure safe and proper fitment. Due to the nature of race pipework, it is the responsibility of the owner to ensure safe and adequate fitting.

**NB, Race pipework is normally sold as part of a full race system, therefore, where pipe-work is sold individually the OE fitment silencers may not fit and a dedicated silencer may be required**

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### **Care & cleaning of Quill surface finishes.**

The Quill exhaust silencer is manufactured from high quality 304-grade stainless steel suitable for severe external usage. To maintain this high quality, road dirt and grime should be regularly removed using a sponge with detergent solution. Dry off completely and polish using aerosol wax.

Aluminium components should be cleaned in the same manner and polished using a cleaner formulated for non-ferrous materials.

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### **Safety Notice – Heat Hazard.**

When run, the surface of this exhaust system becomes very hot; due care should be exercised especially when the machine is left unattended after running, to prevent accidental contact with the system or silencer.

Quill Exhausts Ltd, are not responsible for any damages incurred by fitting either by purchaser or any other third party. It is the fitters' responsibility to ensure that there is enough clearance, and that any ancillaries, such as baffles are correctly installed and tight before usage.

*Quill silencers are dynamic, compact, efficient, high power handling, full range high performance designs, which are so advanced that they will not be out performed for many years to come.*