MOUNTING GUIDE

INTAKE KIT **POWER FLOW**



REFERENCE : **TTANR18#437-100_352**

BIKE : **BMW R-18** YEAR : **2023**

DIFFICULTY : ●●●●● ESTIMATED TIME : **6H**

Kit assembly requires keeping gaskets, screws, collars and other original motorcycle components.

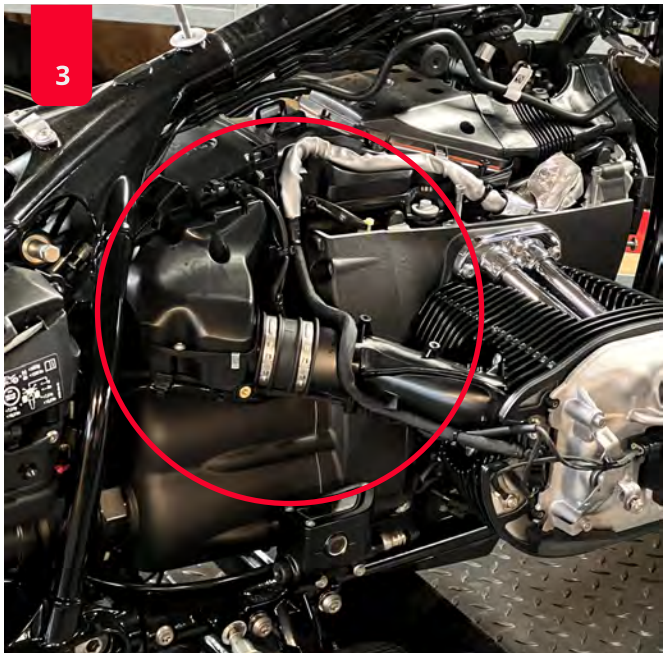
The Power Flow Kit must be installed by a professional. This person will work on the fuel supply lines.
Tank Machine advises following the installation instructions and is not responsible for any damage caused during the installation of the Power Flow Kit. After-sales service is conditioned on presentation of an assembly invoice made by a professional.



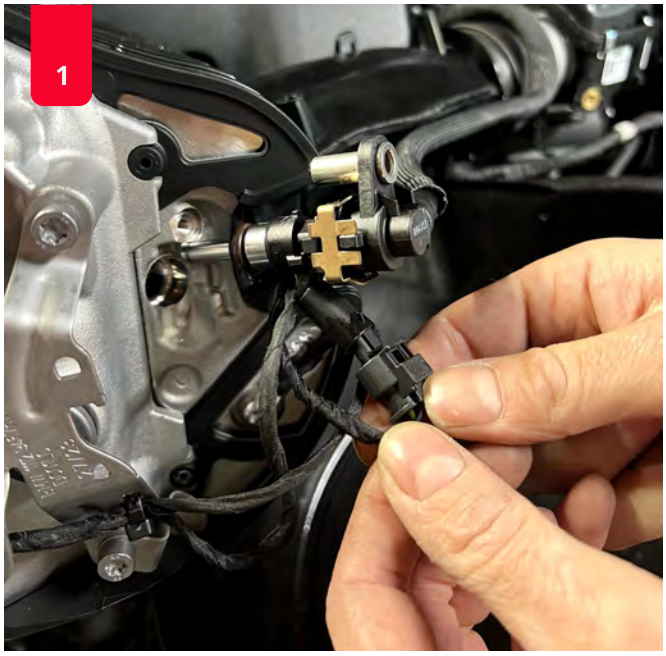
Disconnect the motorcycle's battery, then remove the upper engine cases and fuel tank.



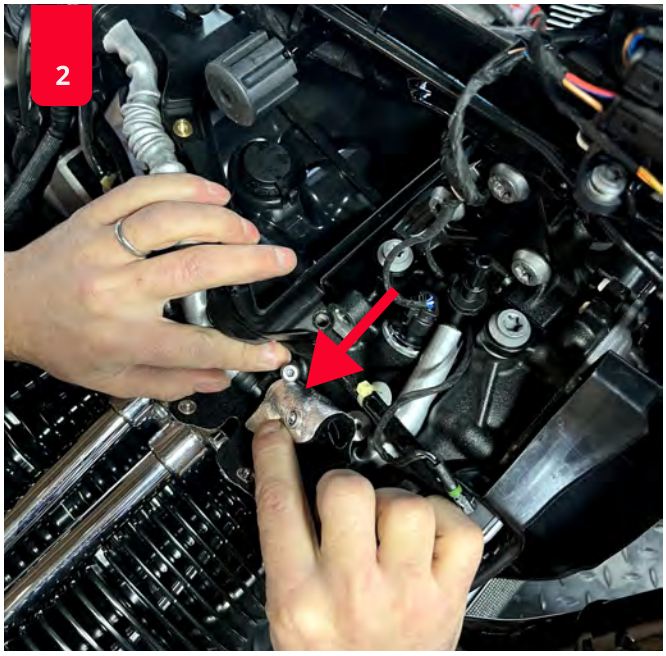
Remove the rocker covers.



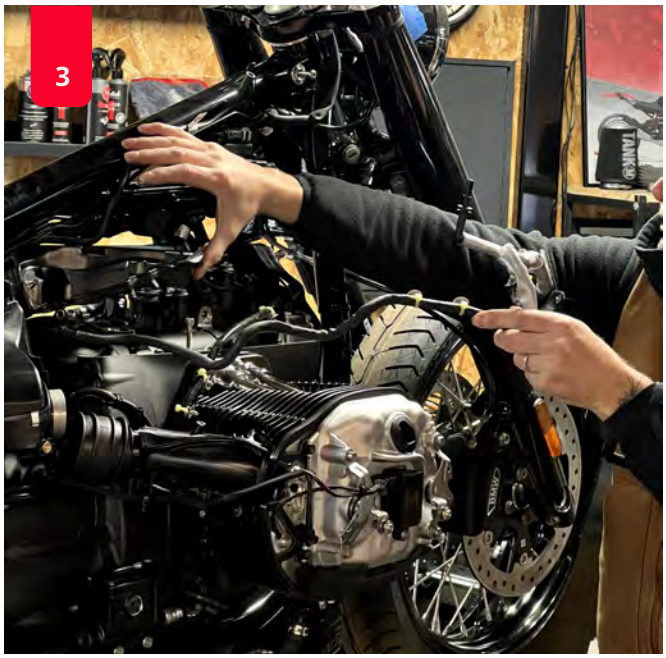
Remove air box covers.



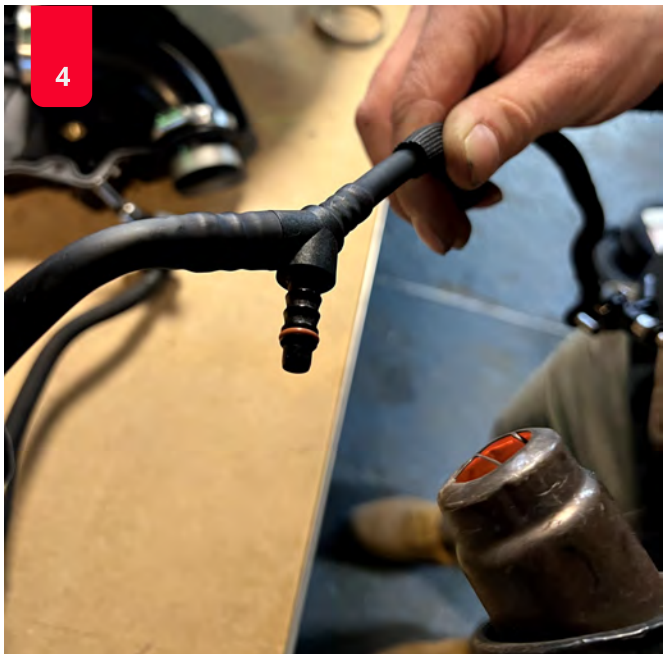
Disconnect and remove injectors.
Caution : Fragile components and seals.



Unscrew and disconnect fuel pressure sensor.

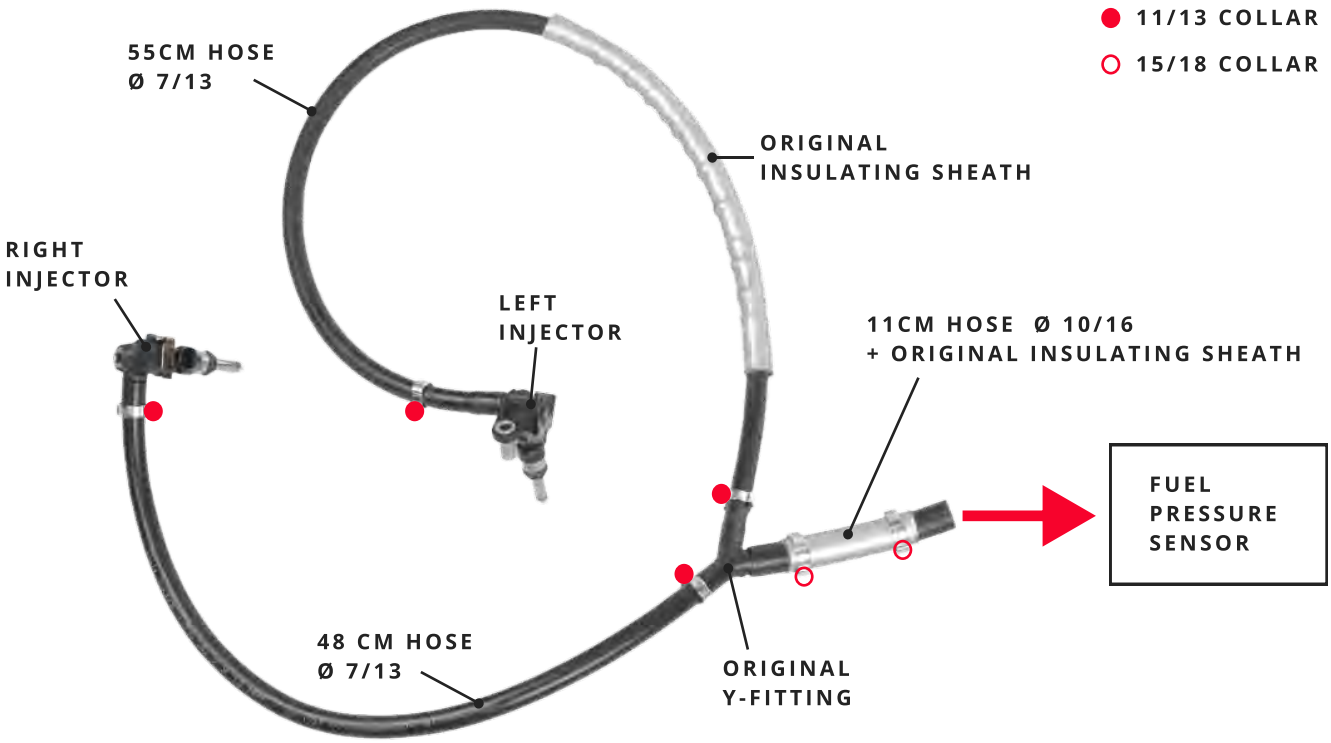


Remove complete fuel system (injectors, sensor and rigid hoses).



Recover fuel system components: Y-fitting, injectors, pressure sensor.
Tip : Slightly heat hoses to facilitate disassembly.

5

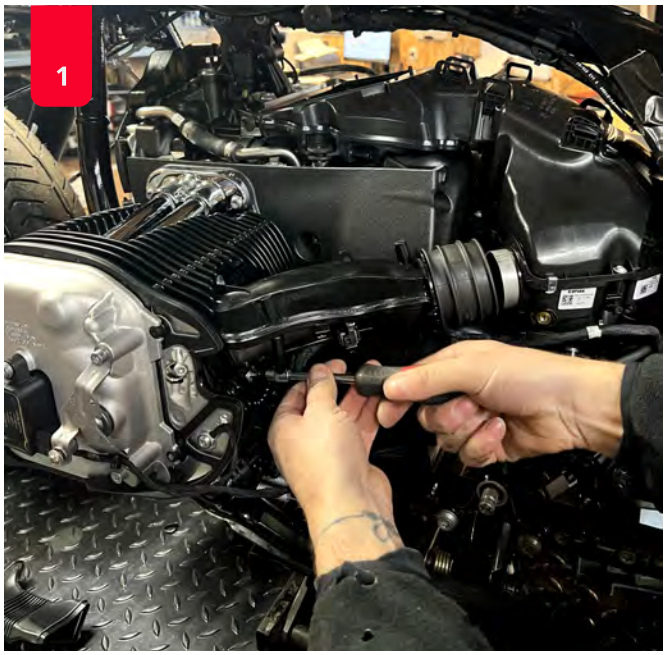


Assemble the new fuel circuit using the reinforced flexible hoses and crimping collars supplied.

Tip : Carry out a "blank" assembly test, before crimping the hoses (Installation of the new supply circuit).

C REMOVAL AND POWER FLOW KIT INSTALLATION

1

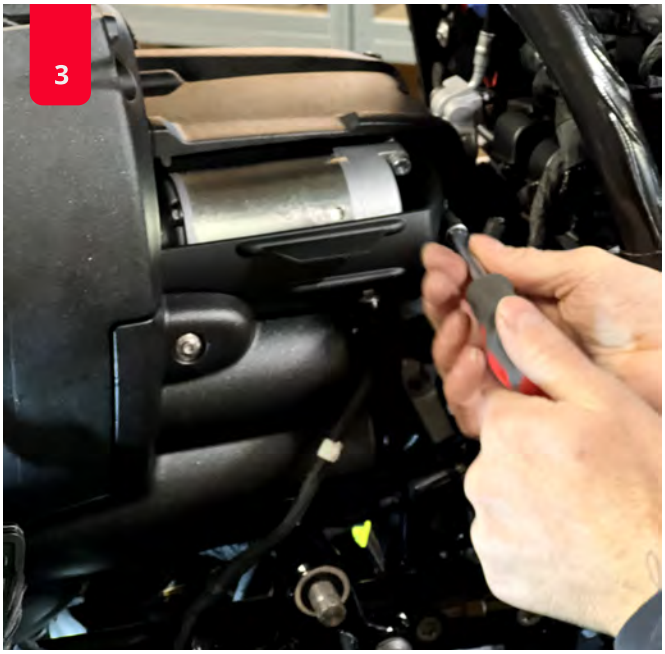


Remove air box intake manifolds.

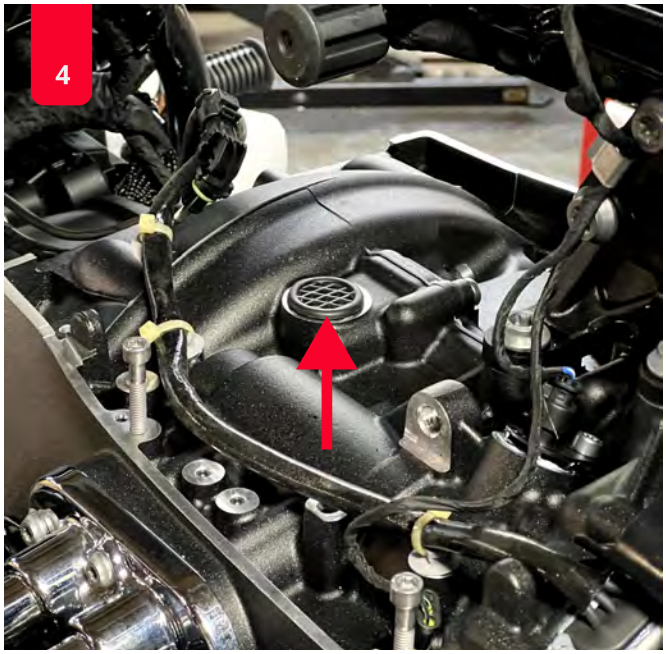
2



Disassemble original air box to retrieve throttle body.



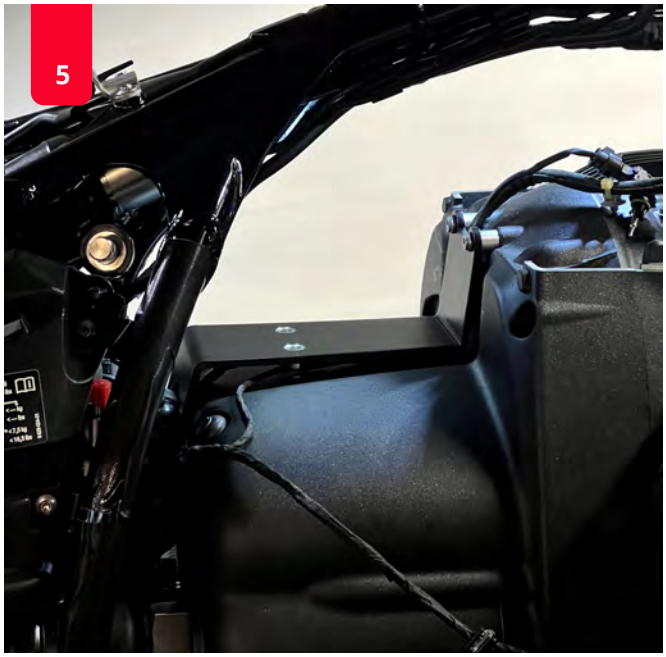
Remove lower left-hand starter housing.



Fit the supplied breather to the engine air vent.

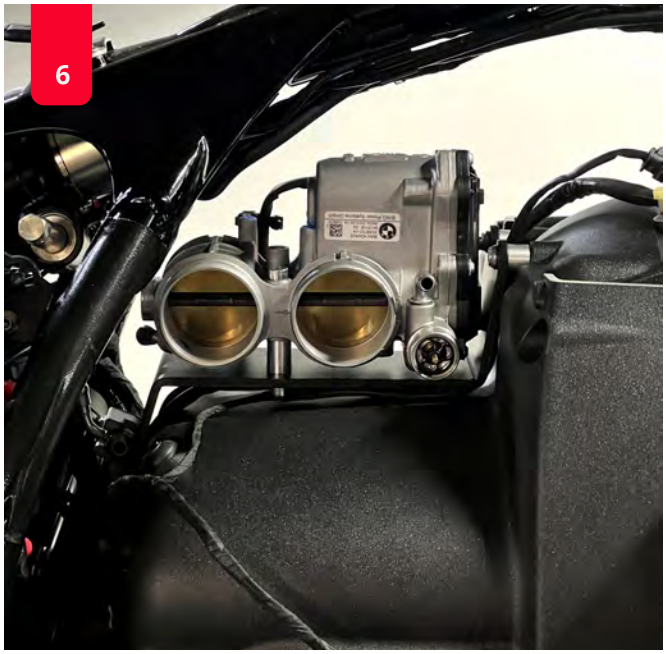
Tip : This piece must be glued in.





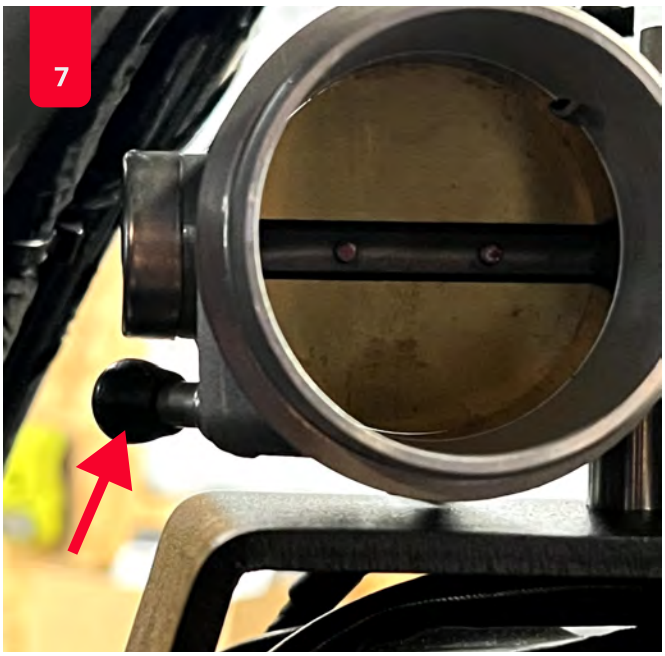
Install throttle-box bracket using screws and spacers supplied.



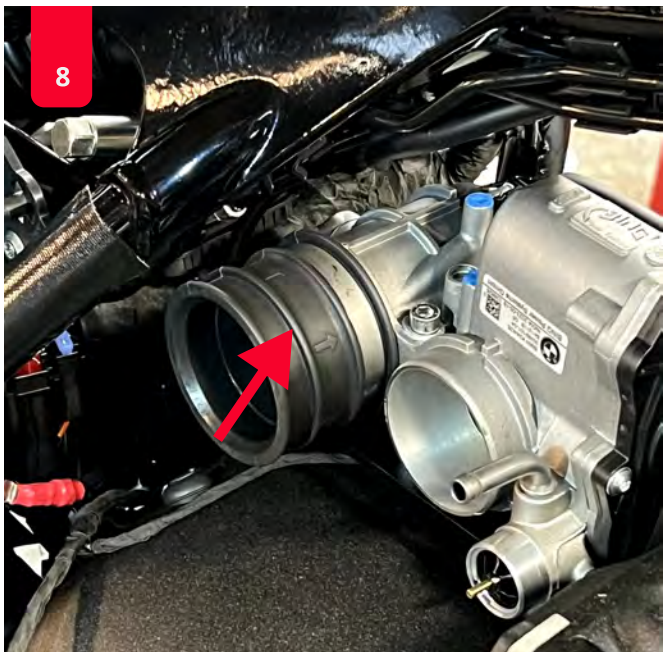


Place throttle body on bracket.

Caution : Do not tighten at this stage to facilitate installation of the intake ducts in step C.11.



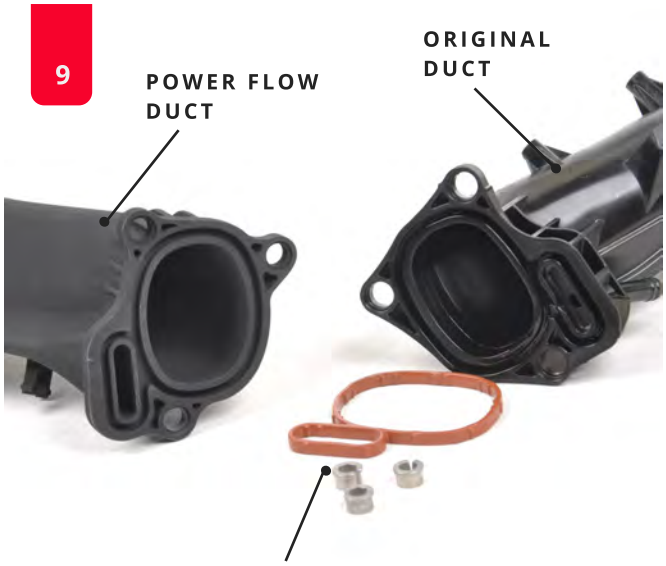
Install the vent plug on the housing.



Install the (original) connecting sleeves and collars.

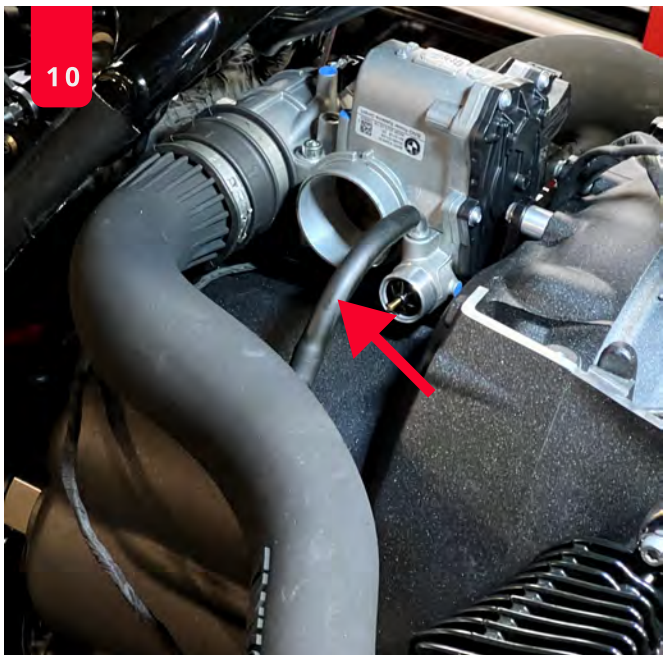
Caution : Be careful about the mounting direction. (Cf. red arrows).





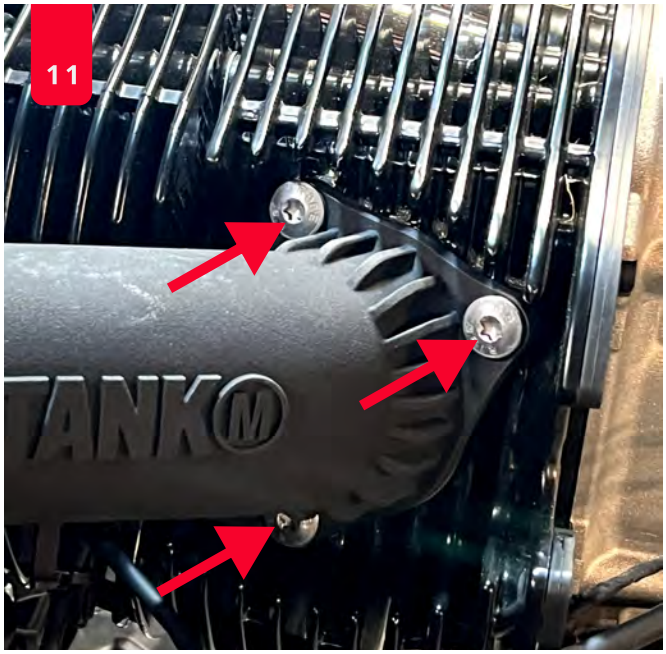
Remove the gasket and 3 spacers from each original duct, then replace them on the new Power Flow duct.
Caution : Fragile components.





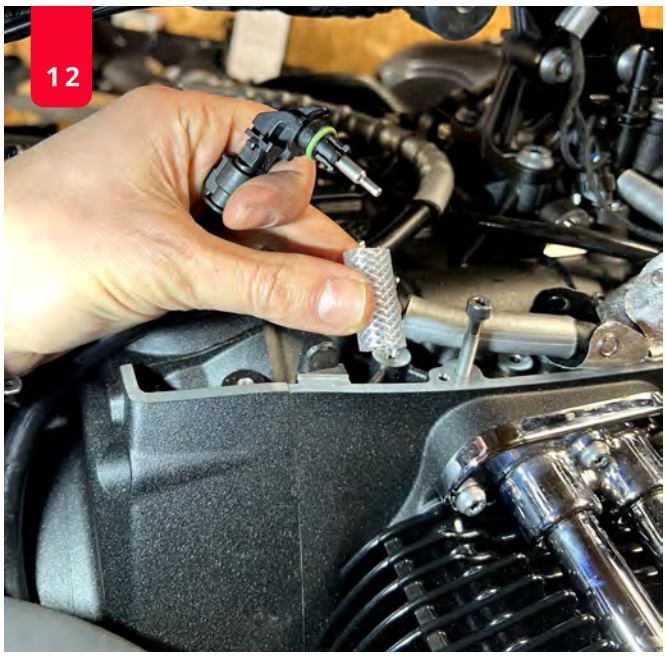
Fit right and left Power Flow Kit intake ducts and connect air hoses.





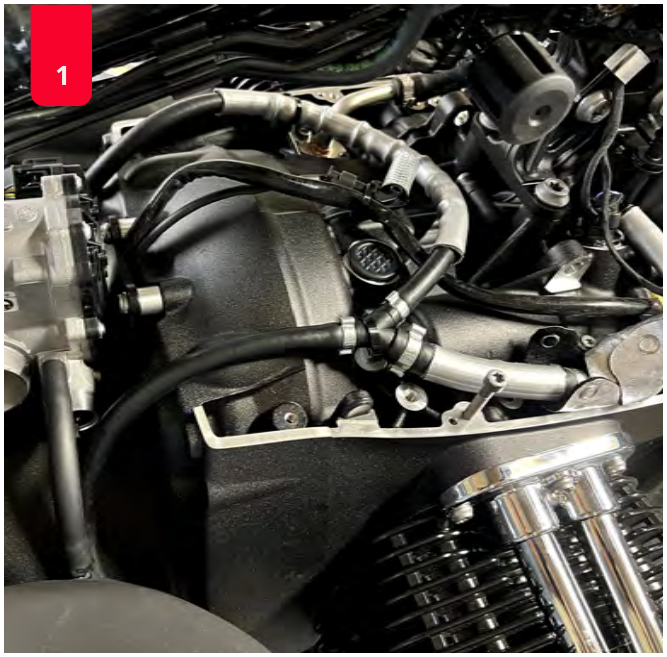
Tighten the Power Flow intake ducts with the original fasteners (collar + screws).

Info : You can now tighten the throttle body to its bracket.

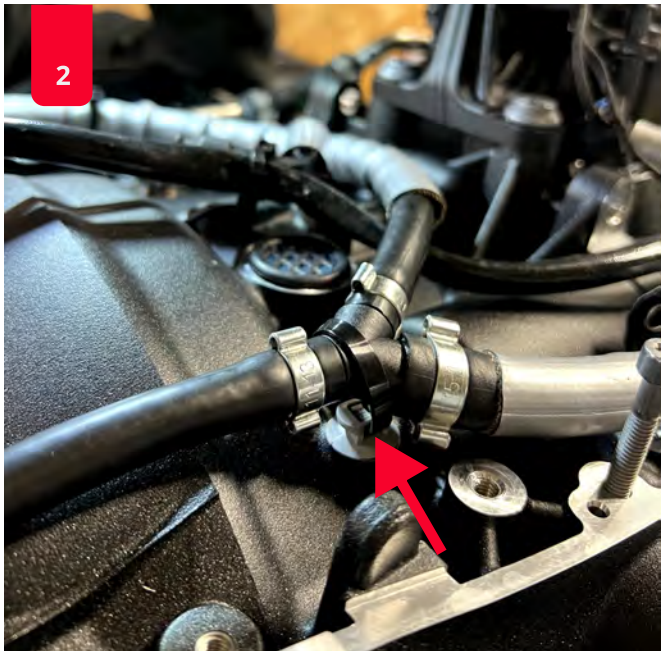


Fit the supplied cover to the air temperature sensor.

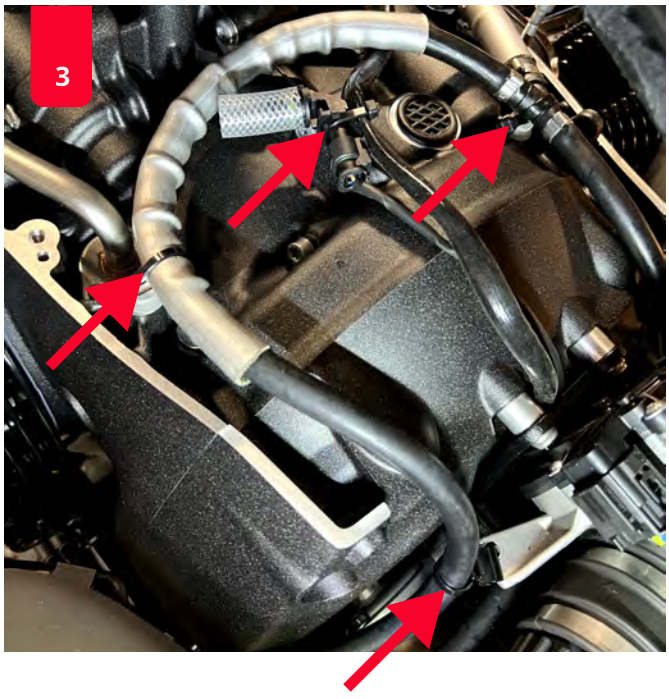
Caution : Be careful about the direction of insertion.



Place the fuel system as shown in the picture.



After having checked the “blank” assembly, crimp the hoses using the wing clamps supplied. (Y-fitting, sensor and injectors).



Fix the hoses to the indicated engine positions using the hose clamps supplied. (Cf. red arrows).



Place fuel hoses in housings under Power Flow ducts, then attach injectors.

E ATTACHING ELECTRICAL HARNESSES



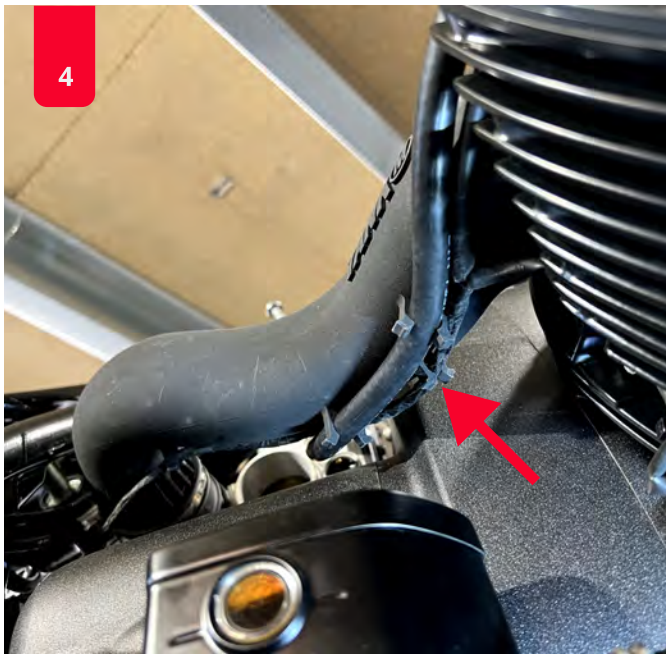
Attach left-hand wiring harness pin to the appropriate bracket on the Power Flow duct.



Place the left-hand wiring harness connector in the starter cover.

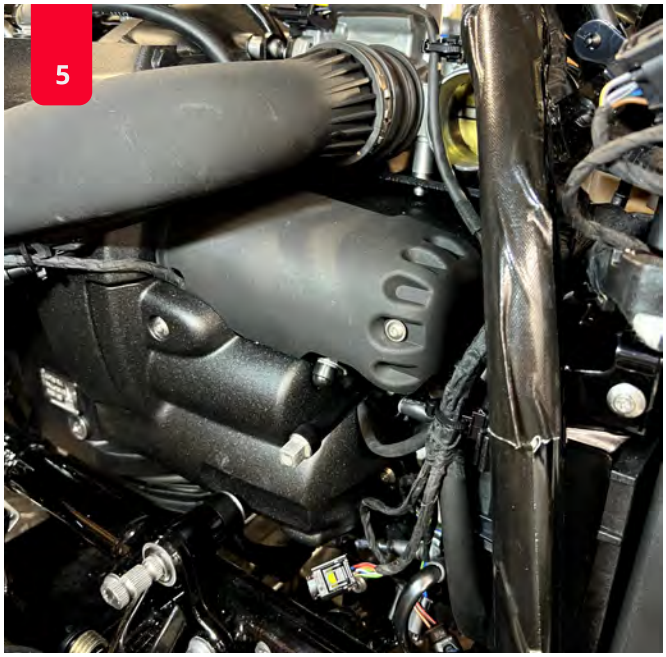


Attach wiring harness to fuel line, left-hand side.

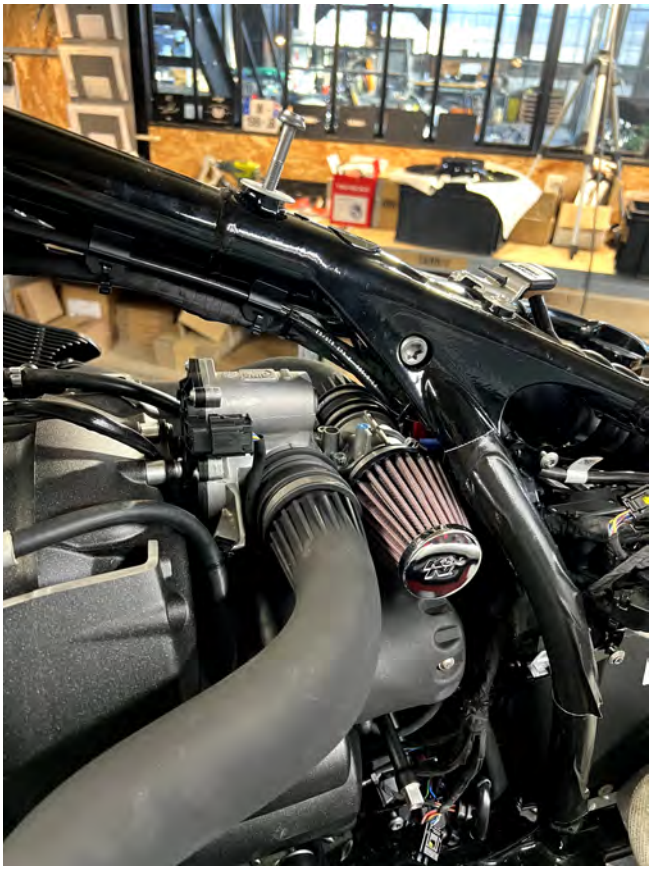


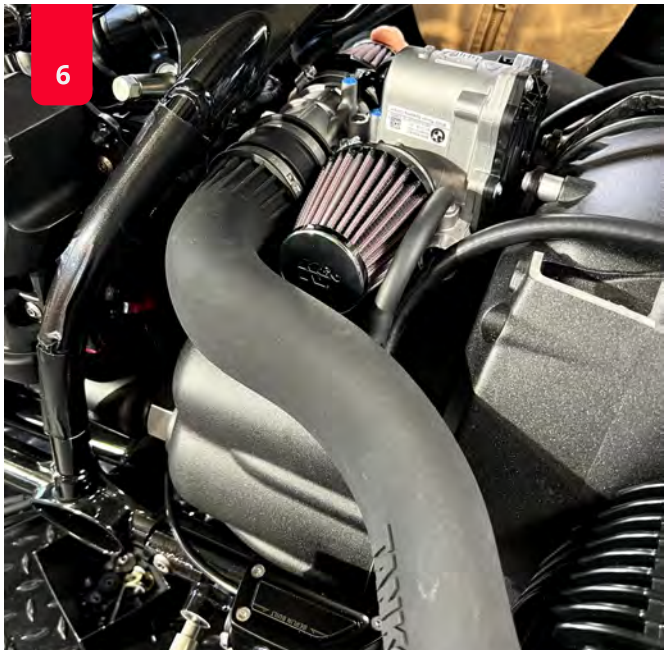
Insert the right-hand wiring harness into the appropriate bracket on the Power Flow duct.



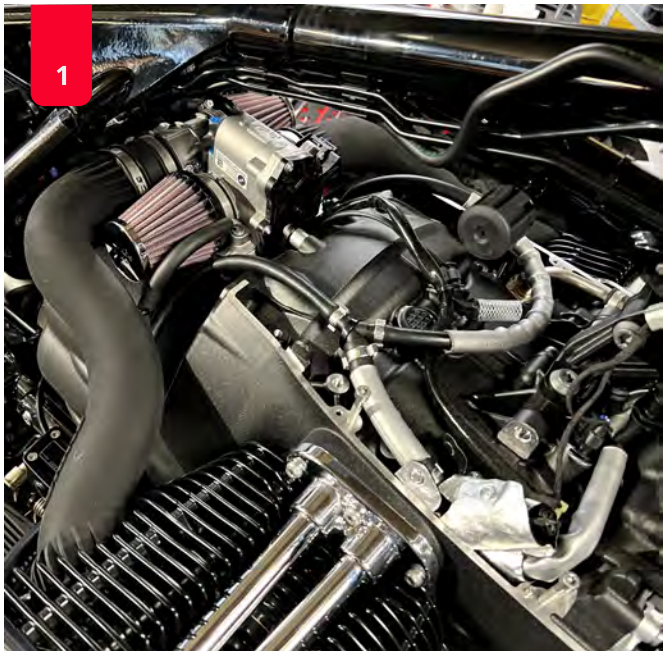


Install new starter cover.





Install left and right air filters.



Check all components for tightness and correct installation.
Reassemble the fuel tank and battery to test for correct operation.

Tip : Start the motorcycle and check the intake and fuel system for leaks.

Tip : You can reassemble all motorcycle components.

Your Power Flow Kit is now installed.

