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FITTING INSTRUCTIONS FOR THE ECOPRA FUEL SAVER KIT

The ECOPRA KIT is a fuel saving and pollution reduction device for all internal combustion engines



COMBURATEUR Ecopra ©

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Precautions

Check all joints and connections for leaks, use distilled or rain water if possible, in freezing conditions add 5 to 10% vinegar.

Part	Description	Quantity
1	Tube INSULATION	
2	ECOPRA CATALYSER (Stainless Steel)	1
3	ECOPRA EVAPORATOR (Stainless Steel)	1
4	STRAP FIXING (Stainless Steel)	1
5	CABLE TIES PLASTIC	5
6	TUBE STAINLESS STEEL	± 2m
7	FIXING RING (for stainless steel tube)	4+1
8	WATER TUBE Ø10	3.5m
9	FIXING NUT (for stainless steel tube)	4
10	WATER TANK	1
11	WATER TANK LID and quick fit tube connector	1

Tools Required

Tube cutter or disc cutter
Drill and drill bit for air intake
Flat headed screw drivers
Pair of strong pliers

Preparation



Locate the air intake tube and drill a 15 to 16 mm hole before the air filter



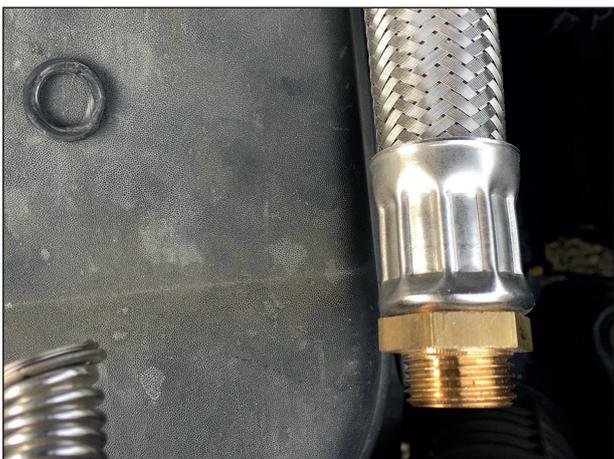
Cut a short length of the stainless steel flexible tube (about 20 to 30 cm depending on your engine configuration).

Insert the stainless steel tube about 10 cm into the engine air inlet in the direction off the air flow and before the air filter, as shown left.



Cut and fit insulation to the catalyzer (not shown in photos for clarity).

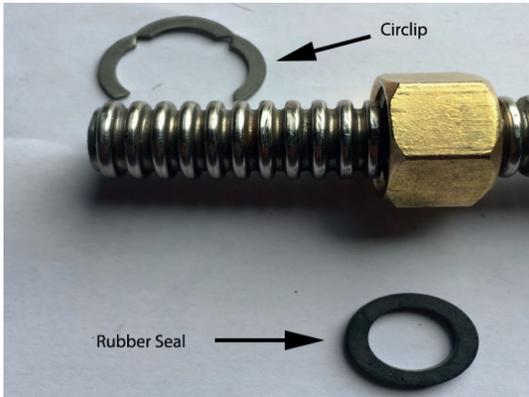
Connect the protruding end of the tube to the catalyzer, in an accessible location, and not in contact with high temperature parts of the motor.



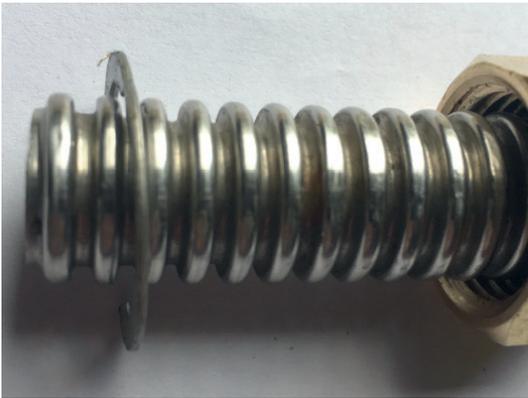
Follow the instructions (next section below) for fitting the stainless steel tube.



Connect the rest of the stainless steel tube to the other end of the catalyser, using the same instructions and pass it by a convenient route under the motor to the position to where the evaporator will be mounted.



Slip the brass nut onto the stainless steel tube as shown.



Place the circlip onto the second ring from the end of the tube.



Tighten the nut onto the evaporator thread without the seal in place, until it will no longer turn.

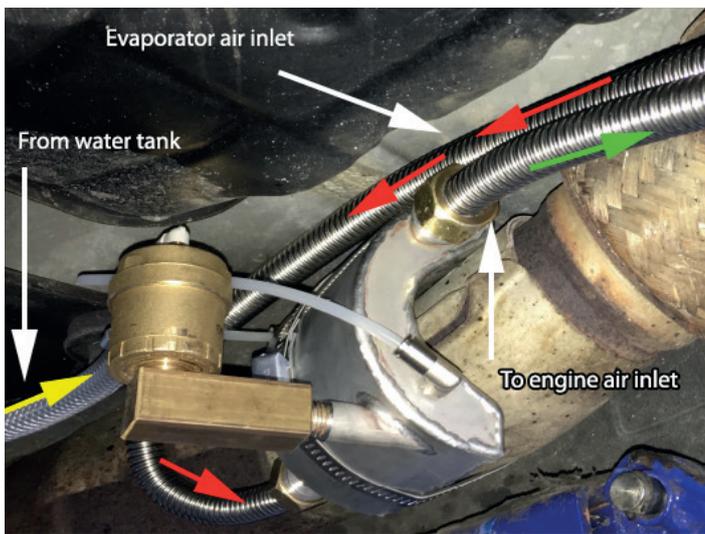
Undo the nut again, and check the end of the stainless steel tube is compressed flat.



Insert the rubber seal and retighten the brass nut.

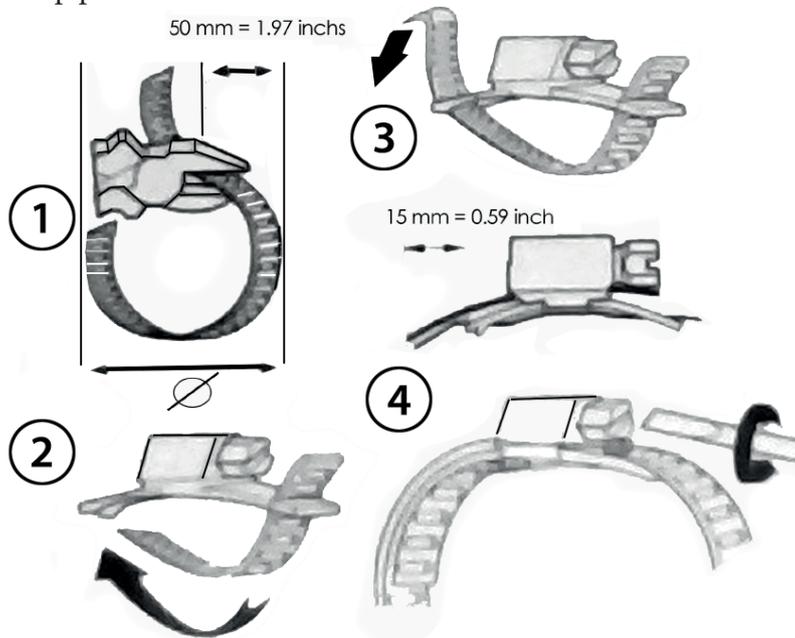
! Important: All joints must be both air-tight and water-tight

Mounting the Evaporator on the Exhaust Tube



NOTE Position the evaporator on a straight horizontal part of the exhaust pipe, allowing enough space around it for access - it does not need to be hot.

1/ The water level regulator should be vertical, be careful not to disturb the threaded joints these are factory sealed, movement may result in a leak. Attach the evaporator to the exhaust pipe using the stainless steel strap provided.



2/ Cut and fix the stainless steel tube from the catalyser to the top connection of the evaporator.

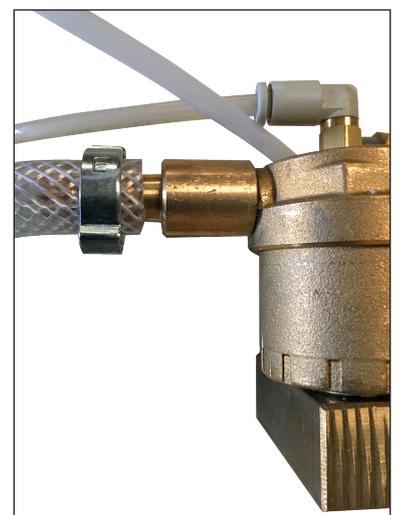
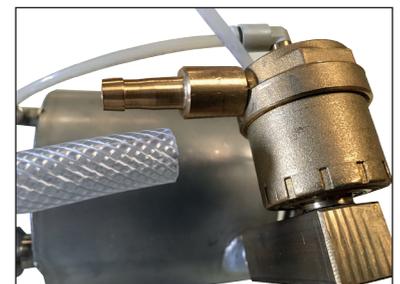
3/ Using the remainder of the stainless steel tube connect to the lower connection on the evaporator. Pass the tube above the top of the evaporator, fixing it with cable ties, and extend it for about 50cm toward the front of the vehicle in such a way as air may be drawn in to it.

4/ When making these connections do so without the rubber seals in place, tighten the nut to form a flat face then remove and refit the tube with the rubber seal in place.

IMPORTANT! These joints must not leak

5/ Fix the water supply nylon tube to the brass float chamber using the clip, as shown right and pass the tube in a convenient route to the location chosen for the water tank. If the tank is to be located in the vehicle a 14mm hole will need to be drilled in a convenient location. Take care not to drill a structural component of the vehicle or the wiring loom.

Follow instructions in the next section below.



Mounting the Water Tank

Find a suitable location for the water tube to pass under the vehicle and carefully drill a 14mm hole.



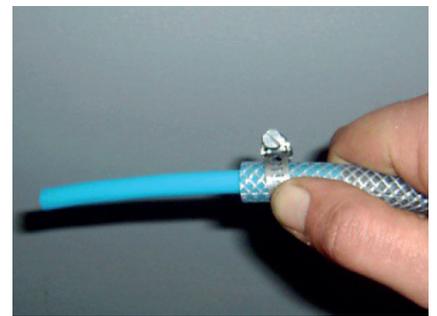
The water tank can be located in the rear storage area or in the cab depending on the vehicle.

Pass the tube through the 14mm hole and using the second circle, attach the short length of blue quick-release tube to it as shown.

Secure all tubes/tubes to convenient points in such a way as to avoid friction-wear and contact with hot parts.

Push the blue tube into the quick-release connector on the tank.

Releasing the tube is achieved by pushing the white ring towards the tank whilst pulling the tube gently.



Using pliers clamp the ring provided over the end of the flexible water tube to secure it to the quick release tube (blue).

Important!

Attach all tubes to the vehicle using cable ties and/or other insulation to avoid friction wear through vibration and rubbing. Check that connections to the evaporator are completely water-tight.