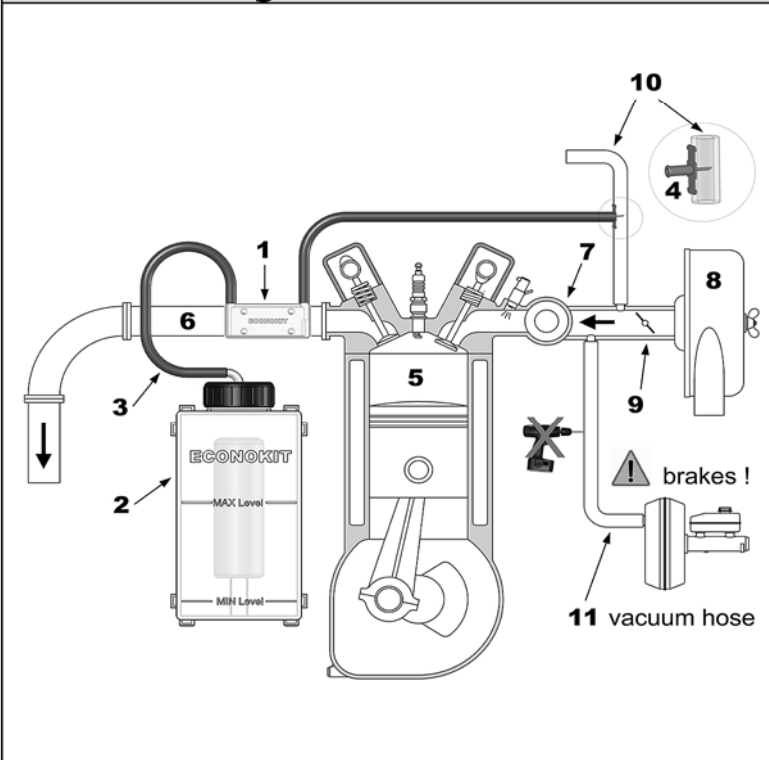


# Econokit assembly plan

## Gasoline Engine



### 1 Reactor Econokit

On the cast iron exhaust manifold.  
Install the reactor close to the cast iron exhaust manifold, then fix it with a clamp.

### 2 Bubbler Econokit

In the engine compartment. Unscrew the cap for filling, use clean, non calcitic, acidic water (pH<6,5), without chlorine. Rainwater is advised. Fix the bubbler using the provided plastic clamps. Fill up to max level, engine stopped. Tighten thoroughly the cap after refilling. The water temperature should be between 20°C and 50°C max. Water heating : radiant heating from the exhaust pipe or the engine ; or optional electric heater, to be placed in the groove at the bottom of the bubbler, connected after contact (10 to 30VDC, 15A fuse).

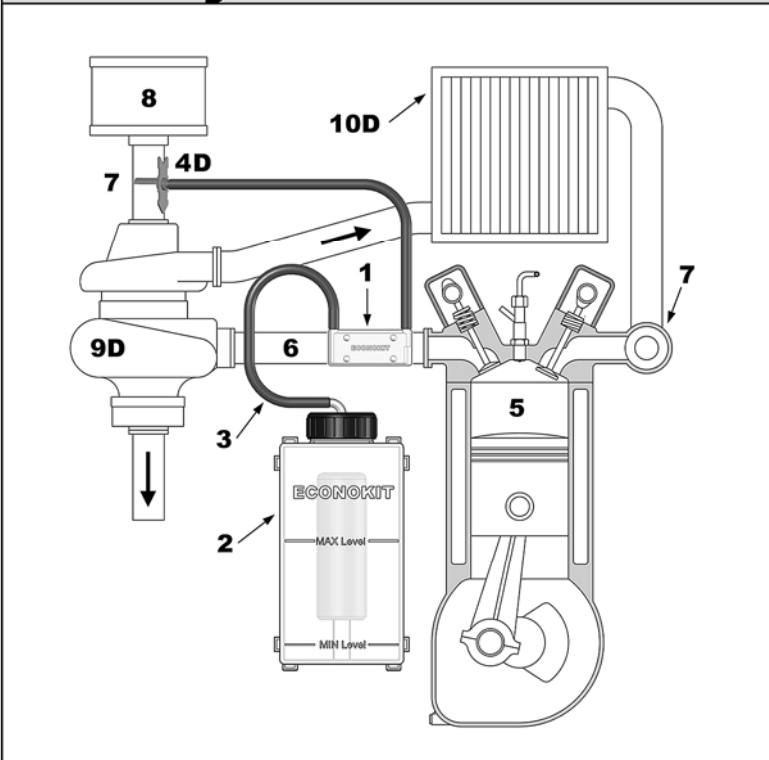
### 3 Silicone hose

Connections reactor/bubbler/difuser.  
Be careful not to pinch or bend the silicone hose. Fix the silicone hose on the components with the provided small clamps.

### 4D Diffuser for diesel engine

Place the diffuser in the rubber intake hose between the air filter and the engine (or turbocharger), in a low pressure zone. (advised vacuum : from -150 mmH2O down to -300 mmH2O). Drill a Ø12mm hole (for force fitting) then fix the diffuser using the provided plastic clamps. The arrow of the diffuser must be in the same direction as the intake air flow. Mount the silicone hose and use a provided clamp.  
**ATTENTION :** do not place the diffuser between the turbocharger and the engine (area under pressure).  
**ATTENTION :** remove the intake sleeve before drilling and clean it carefully before reassembly.

## Diesel Engine



### 4 Diffuser for gasoline engine

Use the diffuser with the needle-shaped fitting. Insert it in force in a rubber hose just after the throttle butterfly : canister hose, or intake manifold sleeve, or another vacuum hose (for example : crankcase breather).  
**ATTENTION :** do not drill the vacuum hose of the brake booster !  
Mount the silicone hose and fix it using a small provided clamp. Check that the gas coming out through the reactor is well distributed to all the cylinders.

### 5 Engine

### 6 Exhaust manifold

Surface temperature needed to heat the reactor : between 200°C and 400°C.

### 7 Intake

Diesel : rubber sleeve between the air filter and the intake manifold or the turbocharger.  
Gasoline : intake sleeve after the throttle butterfly.

### 8 Air filter

### 9 Throttle butterfly

Only on gasoline engines (if your diesel engine has an intake butterfly, follow the gasoline instructions)

### 9D Turbocharger

### 10 Canister or pcv hose

Recycling system for the tank vapours or crankcase breather.

### 10D Intercooler

Heat exchanger air/air or air/water situated between the turbocharger and the engine.

### 11 Brake booster

DO NOT DRILL OR MODIFY.