

working, we want to remember that it's necessary to block thermostat blade, in order to close hot air intake, orienting the frontal intake towards lower or rear side of the vehicle.

6.3.3. MIXER

This device, situated downstream the reducer, realizes the right air-fuel mixture.

Mixer for carburettor vehicles can be realized by using the carburettor Venturi or by creating on it an independent Venturi.

To the first family belong:

- dual-purpose system (nozzle or clutch), consisting in a pipe inserted by drilling carburettor,
- fork system, consisting in one or more pipes inserted into the carburettor without drill it,
- separate Venturi system.

To the second family belong:

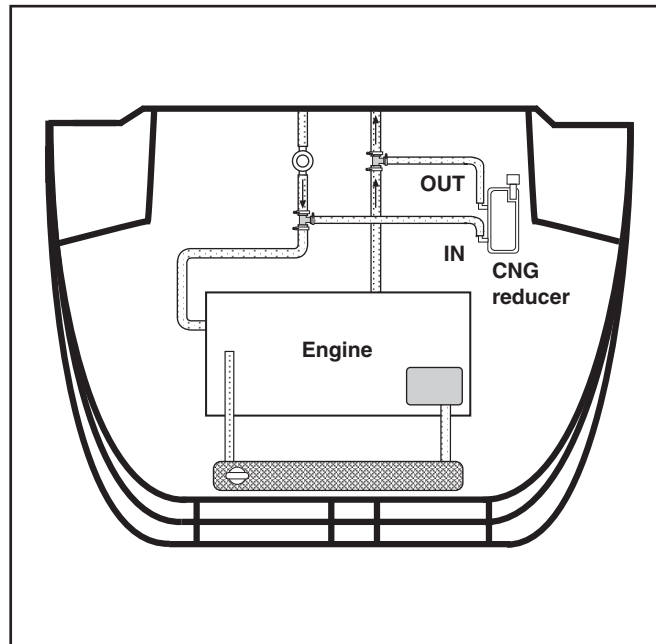
- "classic" mixers, installed upstream the Venturi and whose position changes in accordance with vehicle,
- plate mixers, installed above the throttle body, under the air filter box.

6.3.3.1. Dual-purpose system

This solution (pict. 31), can give the best results if well done, but it cannot be realized on every kind of carburettor and it can seriously damage carburettor if not well done. Moreover, it requires much time and experience to be realized.

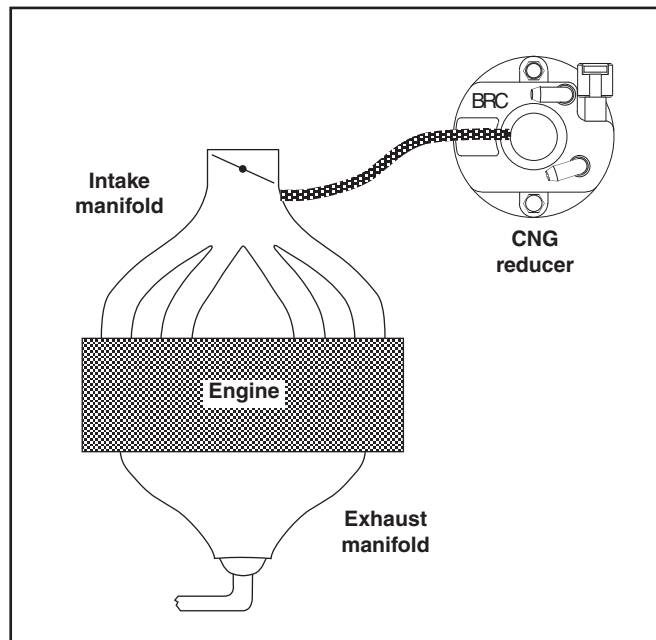
The choice of drilling position is conditioned by the necessity to place connection as in picture 32. Gas inlet must be made so that the clutch higher generatrix remains a little under the narrow section of Venturi pipe (2-3 mm); generally, this position coincides with the carburettor separate Venturi extremity.

Once the right position found, pay the best attention with avoiding interception of petrol while drilling.



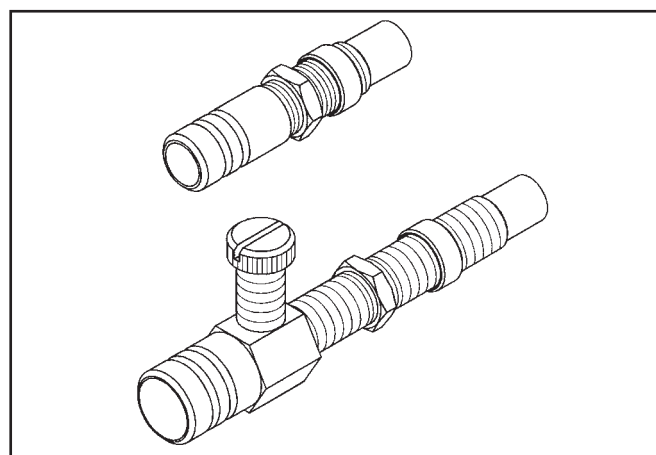
Pict. 29

CNG reducer:
water circuit



Pict. 30

CNG reducer:
vacuum for
pneumatic
reducers



Pict. 31

Dual purpose
mixer
(with clutch)