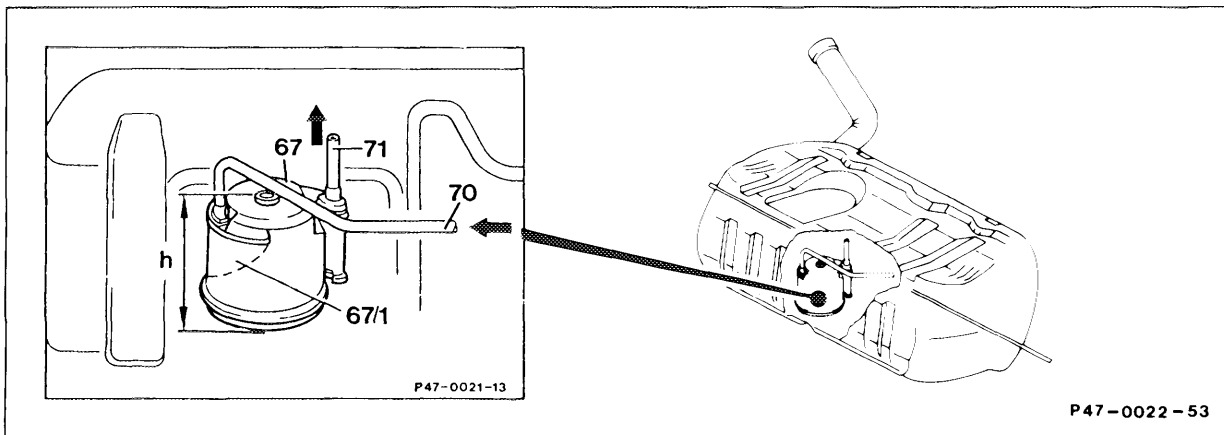


47-010 Function of fuel tank with steadying bowl



67 Steadying bowl
67/1 Separating chamber

70 Return line
71 Riser line

The purpose of the steadying bowl (67) is to ensure a constant fuel supply for the engine when the fuel level is low and during prolonged cornering.

When the fuel pump is running, the fuel flows at high speed out of the return nozzle (70a) into the steadying bowl. As a result, it also draws the fuel around the return nozzle along with it into the steadying bowl. The return nozzle is located on the underside of the steadying bowl. The fuel level (h) is retained in the steadying bowl even if the fuel level in the tank drops below the height (h).

The vapor bubbles contained in the fuel flowing back are separated in the separating chamber (67/1) and led up the way along the riser line (71). This avoids any splashing noises.

Standard implementation (vapor bubble separation)

Model 107 = 05/87, eff. Vehicle Ident End No. A 069 655
Model 126 = 03/87, eff. Vehicle Ident End No. A 327 880.