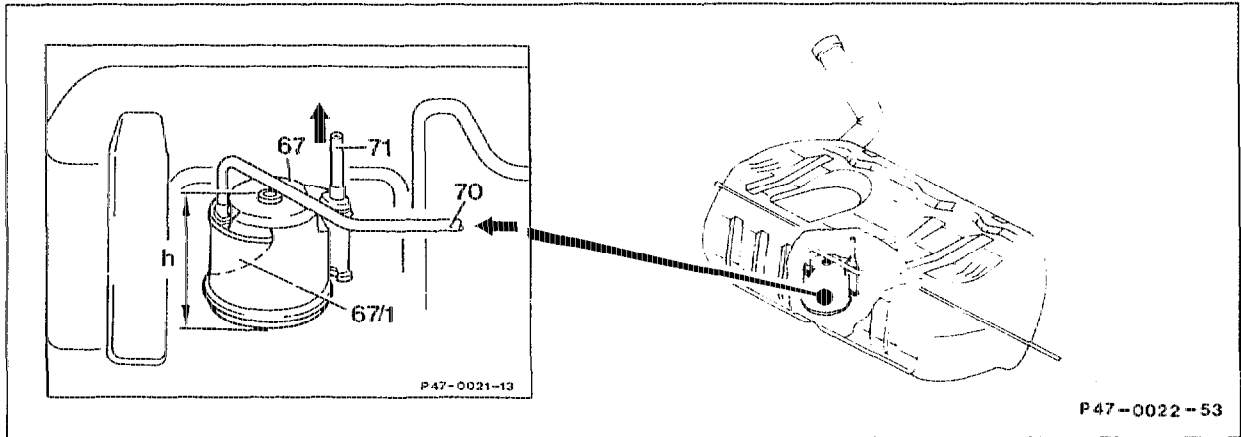


47-0010 Fuel tank with splash bowl



67 Splash bowl
67/1 Separating chamber

70 Return pipe
71 Riser pipe

A splash bowl (67) is installed in the fuel tank. Its task is to reliably supply the engine with fuel when the fuel level in the tank is low and during long cornering.

The fuel return jet flows at high speed out of the return nozzle into the splash bowl when the fuel pump is operating. It thus entrains the fuel around the return nozzle with it into the splash bowl. The return nozzle is located at the bottom of the splash bowl.

The fuel level (h) is retained in the splash bowl even if the level in the fuel tank drops below the height (h). The vapour bubbles contained in the fuel flowing back are separated from the fuel in the separating chamber (67/1) and rise up via the riser pipe (71). This avoids splashing noises.