

## Forklift Fuel Tank

Forklift Fuel Tank - Some fuel tanks are made by experienced metal craftsmen, though the majority of tanks are fabricated. Restoration and custom tanks could be seen on automotive, tractors, motorcycles and aircraft.

There are a series of certain requirements to be followed when making fuel tanks. Usually, the craftsman sets up a mockup so as to know the exact shape and size of the tank. This is often done making use of foam board. Then, design problems are dealt with, including where the drain, outlet, seams, baffles and fluid level indicator will go. The craftsman needs to know the alloy, temper and thickness of the metallic sheet he would use to construct the tank. Once the metal sheet is cut into the shapes required, a lot of pieces are bent in order to create the basic shell and or the ends and baffles for the fuel tank.

Several baffles in racecars and aircraft hold "lightening" holes. These flanged holes have two purposes. They add strength to the baffles while reducing the weight of the tank. Openings are added toward the ends of construction for the fluid-level sending unit, the drain, the fuel pickup and the filler neck. Sometimes these holes are added as soon as the fabrication process is finish, other times they are made on the flat shell.

The ends and the baffles are after that riveted in position. Frequently, the rivet heads are soldered or brazed so as to avoid tank leakage. Ends could next be hemmed in and flanged and soldered, or sealed, or brazed utilizing an epoxy type of sealant, or the ends could also be flanged and afterward welded. After the brazing, welding and soldering has been completed, the fuel tank is checked for leaks.