

## Forklift Fuel Tank

Forklift Fuel Tanks - Several fuel tanks are made by trained metal craftspeople, though most tanks are fabricated. Restoration and custom tanks can be found on aircraft, automotive, tractors and motorcycles.

When constructing fuel tanks, there are a series of requirements that should be adopted. Primarily, the tanks craftsman would create a mockup to determine the dimensions of the tank. This is often done utilizing foam board. Then, design concerns are handled, including where the drain, outlet, seams, baffles and fluid level indicator will go. The craftsman should 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, numerous pieces are bent so as to make the basic shell and or the ends and baffles for the fuel tank.

Numerous baffles in aircraft and racecars 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 fuel pickup, the filler neck, the fluid-level sending unit and the drain. Occasionally these holes are added as soon as the fabrication method is complete, other times they are made on the flat shell.

The baffle and the ends are after that riveted in position. Normally, the rivet heads are soldered or brazed so as to prevent tank leakage. Ends could after that be hemmed in and flanged and sealed, or brazed, or soldered utilizing an epoxy kind of sealant, or the ends could even be flanged and next welded. After the welding, soldering and brazing has been done, the fuel tank is tested for leaks.