

BEECHCRAFT 19, 23 AND 24 SERIES SHOP MANUAL

The fuel capacity for each of the two fuel tanks, of the various airplanes is outlined below:

*M-1 thru M-1516	... 30 gal (29 usable)
M-1517 thru M-1879 except M-1875	 29 gal (26 usable)
M-1875, M-1880 and after	 29 gal (28.6 usable)
*MA-1 thru MA-368	. 30 gal (29 usable)
MB-1 thru MB-654	. 30 gal (29 usable)
*MB-655 thru MB-816 except MB-814	 29 gal (26 usable)
MB-814, MB-817 and after	 29 gal (28.6 usable)
*MC-2 thru MC-150	.. 30 gal (29 usable)
MC-151 thru MC-451 except MC-449	 29 gal (26 usable)
MC-449, MC-452 and after	 29 gal (28.6 usable)

*When S.I.0624-281 has been complied with, 29 gallon (26 usable).

Each tank is located just outboard of either wing root rib. On M-1 through M-554, each tank contains a visual measuring tab in the filler neck and indicates a 20 gallon input when the fuel has reached the tab. On M-555 and after, MA-1 thru MA-368, MB-1 and after and MC-2 and after, each tank contains a visual measuring tab below the filler neck, permitting the tank to be serviced with 15 gallons or 20 gallons of fuel.

CAUTION

Fuel gages register full whenever a quantity greater than 20 gallons is in the tank. A grounding cable should be connected from the fuel nozzle to the landing gear or engine mount and to ground during fueling operations. Failure to do so creates a fire hazard.

Inspecting and cleaning the fuel strainers (wash strainers in clean solvent) should be considered of the utmost importance as a regular part of preventive maintenance. The frequency of inspecting and cleaning will depend upon servicing conditions and fuel handling cleanliness. However, when operating in localities where there is an excessive amount of sand or dirt, the strainers should be inspected at more frequent intervals. The following inspection and cleaning schedule is recommended for the fuel system components.

Fuel Strainers	100 hours
Carburetor Fuel Inlet Screen (M-1 thru M-554, M-1095 and after, MB-1 and after)	100 hours
Manifold Valve Screen (M-555 thru M-1094)	100 hours
Fuel Injector Inlet Strainer (IO-360 engines only)	50 hours*

*Remove and clean the injector fuel inlet strainer at the first 25 hours of engine operation. For the best performance of the injector system it is recommended that the screen be cleaned at 50-hour intervals; however, an extended period is permissible when conditions warrant and no malfunction of the system is apparent.

To ensure against a fuel leak developing, the fuel strainer retaining bolt should be torqued to 25 inch-pounds as stamped on the strainer and safetied to the fuselage as shown in Figure 2-5. If the strainer is mounted on the firewall (M-1 thru M-175), the retaining bolt should be safetied to adjacent structure.

The fuel injector inlet strainer in IO-360 engines is located above the manual mixture control and the idle cut-off lever in the metering section of the servo regulator. Clean the strainer in solvent PD-680 or equivalent. Damaged strainer "O" rings should be replaced.