

FUEL TANK INSTALLATION-for both R-670, PT-17, N2S-4 & R-680, PT-13, N2S-5

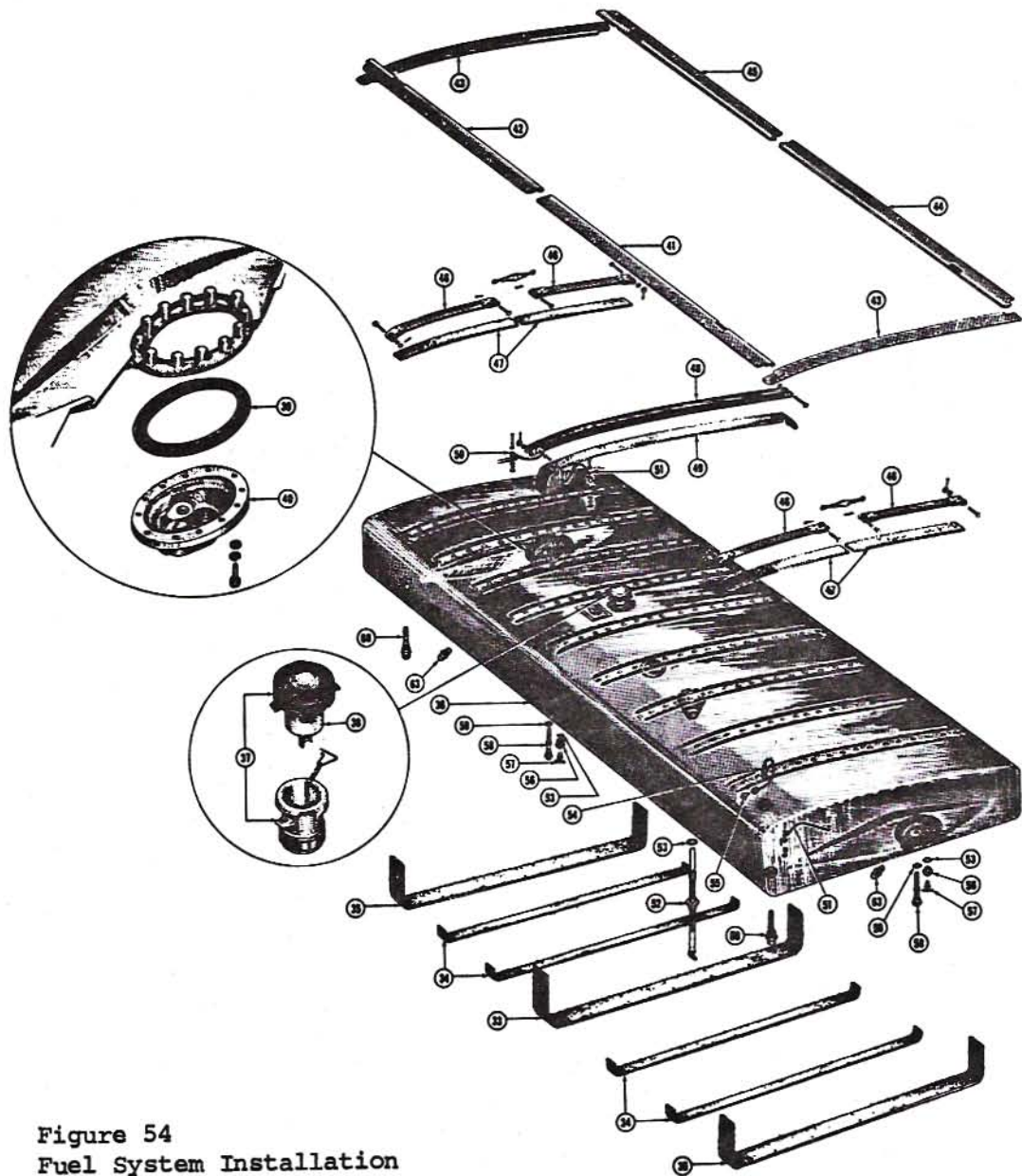


Figure 54
Fuel System Installation

| Index No. | Part No. | Description | Cond. |
|-----------|--------------|--|---------|
| 33 | 75-3148-7 | Felt pad-fuel tank support center, 1 required | N-P |
| 34 | 75-3148-5 | Felt pad-fuel tank support (A75-1311 ribs), 4 req. | N-P |
| 35 | 75-3148-7 | Felt pad-fuel tank support ends, 2 required | N-P |
| | 75-3148-FK | Felt pad kit-fuel tank, 1 ea. 75-3148-3, 4 ea. 75-3148-5, 2 ea. 75-3148-7 4 ea. 75-3148-1, 1 ea. 75-3148-2 | N-P |
| 36 | AG75-3101 | Fuel tank assy | FAA-PMA |
| 37 | E75N1-3013-1 | Fuel cap & neck, light type (not shown) | F/N |
| 38 | E75N1-3013-2 | Fuel cap-light type (not shown) | F/N |
| 38 | E75N1-3013-3 | Fuel cap-spring loaded | N-S |
| 39 | 75-3121 | Gasket-fuel tank sump cover, 2 required | N-P |
| 40 | 75-3159 | Cover-removable fuel tank sump, 2 required | N-P |

FUEL TANK INSTALLATION-for both R-670, PT-17, N2S-4 & R-680, PT-13, N2S-5 continued

Figure 54

Index

| No. | Part No. | Description | Cond. |
|-----|-------------------------|--|---------|
| | | Attach hdw.-Sumps 24 ea. AN500-416-12, 24 ea. AN960-416, 24 ea. AN935-416 | F/N |
| 41 | 75-3149 | Closure assy-fuel tank front lh | N-P |
| 42 | 75-3149-1 | Closure assy-fuel tank front rh | N-P |
| 43 | 75-3150 | Closure assy-fuel tank ends | N-P |
| 44 | 75-3156 | Closure assy-fuel tank rear lh | N-P |
| 45 | 75-3151-1 | Closure assy-fuel tank rear rh | N-P |
| | Attach hdw. | 40 ea. AN526-1032-10, 14 ea. AN526-1032-7 | F/N |
| 46 | 75-3021-2 | Strap assy-fuel tank, 4 required | N-S |
| 47 | 75-3148-1 | Felt pad-fuel tank straps, 4 required | N-P |
| | Attach hdw. (75-3021-2) | 4 ea. AN393-33, 2 ea. AN135-22S, 8 ea. AN380-2-2, 4 ea. AN23-24, 4 ea. AN320-3, 4 ea. AN960-10 | F/N |
| 48 | 75-1313 | Stiffener-center section | N-S |
| | Attach hdw. | 2 ea. AN24-24, 2 ea. AN320-4, 2 ea. AN960-10, 2 ea. AN380-2-2 | F/N |
| 49 | 75-3148-2 | Felt pad-75-1313 stiffener, 1 required | N-P |
| 50 | 3AJ8-8 | Jumper-bonding, 1 required | F/N |
| 51 | 4AJ8-8 | Jumper-bonding, 2 required | F/N |
| 52 | AGE75-3116 | Fuel gauge assy complete w/gasket | FAA-PMA |
| | AG-112 | Plastic sight gauge replacement tube | FAA-PMA |
| | AGE75-3116-1 | Cork float assy | FAA-PMA |
| | CCA-1550 | Quick drain-fuel gauge | F/N |
| 53 | AN900-16 | Gasket-fuel gauge attach | F/N |
| 54 | 75-3131-1 | Line-fuel tank vent, 1 required | N-P |
| | 75-3131-2 | Line-fuel tank vent #1 to #2 (not shown) | N-P |
| | 75-3131-3 | Line-fuel tank vent #2 to trailing edge (not shown) | N-P |
| 55 | 811FT-4 | Nipple-fuel vent line | N-S |
| 56 | 906-16 | Plug-square head tapped-fuel tank sump (for quick drain) 2 required | N-S |
| 57 | CCA-1600 | Quick drain-fuel sump, 2 required | F/N |
| 58 | AG75-3160 | Strainer assy-fuel outlet, 2 required | FAA-PMA |
| 59 | AN900-12 | Gasket-75-3160 strainer, 2 required | F/N |
| 60 | AG75-3167 | Strainer assy-fuel outlet, 2 required, PT-13, PT-17 | FAA-PMA |

STEARMAN AIRFRAME PARTS

STOCK STEARMAN FUEL SYSTEM PARTS

NEW PRODUCTION STEARMAN FUEL TANK - FAA-PMA

STC#-SA-840-SW



AGB75-3101 Standard Size Tank
Approved for Standard Category
50 Gallon Capacity

HERE IT IS. The New Production ALL Aluminum Stearman Fuel Tank with maximum 57 gallon capacity. This tank manufactured in our shop. We have used 6061-0 x .063 aluminum. Tank constructed with nine inner aluminum baffles. There are NO rivets used in this tank. The top and bottom skins are heli arc rosette welded to baffles and all other parts also heli arc welded. The tank sumps areas are so designed that they are identical to original, but the cast sumps themselves are welded to sump area instead of using screws and gaskets. We have installed the cast sump in this manner to solve the gas leaking around gasket and through the screw threads. We also have machined the cast sumps using pipe threads for the fittings, again to help prevent fuel leaks.