FUEL SAMPLER CUP AND DRAIN VALVE INSTALLATION

This service kit provides parts and instructions to replace the fuel tank drain plugs with quick drain valves, and provides a fuel sampler cup.

FAA approval has been obtained on technical data in this publication that affects airplane type design.

REFERENCE

SEB92-24

CHANGE IN WEIGHT AND BALANCE

<table>
<thead>
<tr>
<th>MODEL(S)</th>
<th>WEIGHT INCREASE</th>
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<tr>
<td>177</td>
<td>Negligible</td>
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PART NUMBER | QUANTITY | DESCRIPTION
SK177-51A     | 1        | Kit, consisting of the following parts:
S2020-2       | 3        | Valve
S2107-1       | 1        | Cup

ACCOMPLISHMENT INSTRUCTIONS

1. Install fuel tank sampler drain valves.

   **WARNING:** OBSERVE ALL FUEL SYSTEM FIRE AND SAFETY PRACTICES.

   A. Drain the fuel from the airplane. (Refer to airplane service manual.)
   B. Remove and discard existing fuel tank drain plugs and gaskets.
   C. (Refer to Figure 1, Detail A.) Verify NAS1593-015 O-Ring (2) is intact and installed on S2020-2 Valve (1).
   D. Install valve (1) in fuel tank drain fitting (3) and safety wire in place.

2. Install fuel reservoir sampler drain valve.
   A. Remove and discard existing fuel reservoir drain plug and gasket.
   B. (Refer to Figure 1, Detail B.) Verify NAS1593-015 O-Ring (2) is intact and installed on S2020-2 Valve (1).
   C. Install valve (1) in fuel reservoir (4) and safety wire in place.

3. Add fuel to tanks and inspect drain valves for leaks.

   **NOTE:** To activate drain valve for fuel sampling, place S2107-1 Cup up to valve and depress valve with rod protruding from cup.

   For convenient utilization stow fuel sampler cup in map compartment.

4. Make an entry in the airplane logbook stating this service kit has been Installed.
NOTE: REMOVE AND DISCARD EXISTING DRAIN PLUGS AND GASKETS INSTALLED IN FUEL TANK DRAIN FITTING AND FUEL RESERVOIR.

DETAIL A
(TYPICAL LEFT AND RIGHT WING FUEL TANKS)

(1) S2020-2 VALVE (1 REQUIRED)

(2) NAS1593-15 O-RING (SUPPLIED WITH S2020-2 VALVE)

(3) FUEL TANK DRAIN FITTING (REFERENCE)

(4) FUEL RESERVOIR (REFERENCE)

DETAIL B

(1) S2020-2 VALVE (1 REQUIRED)

(2) NAS1593-15 O-RING (SUPPLIED WITH S2020-2 VALVE)

Figure 1. Fuel Tank and Reservoir Drain Valve Installation