

No: 000329

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By: FLC Date: 08-25-83 Page: 1 of 1

Send To: 909 FUEL SYSTEM KIT

C 000329 909 0000  
U CHRISTEN INDUSTRIES INC.  
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Subject: LEAKING FUEL TANK FILLER  
CAPS ON EAGLE II AIRCRAFT

The fuel tank filler cap supplied as a part of the fuel tank in the Eagle II aircraft 909 Fuel System Kit has an internal rubber gasket and steel locking tabs which seal the gasket against fuel tank filler neck when the cap is installed and rotated to the closed position. Both Earl brand and Wisco brand filler caps have been supplied in the 909 Kit. These caps are both manufactured to the same specification, but Wisco brand caps are now used exclusively because some Earl brand caps have been found to leak during inverted flight.

The leakage of some Earl brand caps results from the internal locking tabs having been formed improperly so that they are not aligned with one another and are not parallel with the top of the cap. This prevents the rubber gasket from being compressed evenly against the filler neck when the cap is installed, allowing fuel to leak past the gasket.

Eagle builders should identify which brand of fuel cap they have on their aircraft. The Wisco brand cap is black and has ribs around its perimeter. The Earl brand cap is a gold color and has a smooth perimeter. If an Earl brand cap is being used and any leakage is detected during inverted flight, the Christen factory should be notified and a request should be made to have the cap replaced with a Wisco brand cap under warranty at no charge.

ENCLOSURE: NONE