



EUROPA

MODIFICATION NUMBER 80

ALTERNATIVE FUEL FILLER SYSTEM



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Note: The information in this manual refers to aircraft built to Europa manufacturing manuals. Any modifications may alter the applicability to your aircraft.

List of Revisions

Issue	Revision	Pages affected	Date
1	-	-	-
2	New document format applied	All	August 2015
3	Correction to "Applicability"	5	August 2015
4			
5			
6			
7			



Classification

Optional

Applicability

All Europa Classic aircraft that are pre Mod 47.

Compliance

As required

Effect on the Empty Weight and CG:

There is negligible effect on the Empty Weight and CG of the aircraft. Actual weight decrease with respect to the original design is 300 grams.



Introduction

The original fuel filler system moulding is no longer available. An alternative factory made-up hose assembly has been developed which joins the fuel filler cap housing to the fuel tank inlet.

Kit of Parts

Item Number	Part Number	Description	Quantity
1	FS14	Aluminium Hose Joiner	3
2	FS17	Hose Clip 40-60 mm	8
3	FS19	45° Elbow	2
4	FS20	Fuel Filler Neck Hose	1

Action

Removal of existing fuel filler system (if applicable):

Note: Before commencing work ensure the fuel level in the tank is well below the bottom of the tank inlet pipe.

Remove the pipe clips connecting the top and bottom ends of the fuel filler hose to the fuel filler housing and the fuel tank – remove the filler hose.

Clean the fuel filler housing and fuel tank boss thoroughly.

Installation of alternative fuel filler system:

Ensure the Mod 80 Kit of Parts is clean and fit for purpose.

Cut the hose into 2 pieces, cut off a 29 inch length and retain both pieces – ensure the ends are square, although further adjustment of the lengths will be required later.

Connect a 45° elbow to the lower end of the fuel filler housing and loosely fit a pipe clip.

Insert an aluminium connector piece into the 45° elbow installed at 1 and loosely connect a hose clip.

Connect the longer length of straight hose to the aluminium connector installed above and loosely install a hose clip.



Insert an aluminium connector piece into the lower end of this straight hose and loosely install a hose clip.

Connect the 2nd 45° elbow to the aluminium connector just installed and loosely install a hose clip.

Insert an aluminium connector piece to the lower end of the elbow just installed and loosely install a hose clip.

Connect the short straight hose piece to the lower end of the aluminium connector just installed and loosely install a hose clip.

Position the assembly in the correct orientation so that it passes through the hole in the baggage bay rear bulkhead.

Adjust the lengths of the 2 straight hose sections, and rotate the joints, as required in order to obtain an accurate fit of the whole assembly – NOTE: this operation should be carried out with great care or you may end up having to order more hose. When satisfied, tighten the 8 (off) hose clips.

Note: If replacing an existing 1 piece moulded hose, it may be advantageous to use this as a template for making up the new filler hose assembly.

Finally, carry out a fuel leak check by filling the fuel tank up to the top of the filler neck.

Inspect for leaks.

Note: Use fuel resistant sealant (e.g. Proseal PRC 1422, or similar) to seal the connection to the fuel tank if the fuel tank boss is out of round.