



**Pre-Paint>Fuselage>Firewall forward>Fuel pump fittings**

Issue Revision Table

Issue	Date:	Change(s):	Issued by:
2	16/11/2021	Adopt "Section Only" Manual System, Add Issue Revision Table and model applicability. Remove reference to fuel pump drip tray	AS

Model Applicability

Aircraft Model	J-160	J-170	J-230	J-430
Document Applicability	Yes	Yes	Yes	Yes

This document is controlled while it remains on the Jabiru server. Once this no longer applies it becomes uncontrolled.

Issue:	0	1	2							Issued by: AS	Page: 1 of 3 23 November 2021
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**Pre-Paint>Fuselage>Firewall forward>Fuel pump fittings>Procedure**

**Objectives of this task:**

In this task the fuel lines will be fitted from the firewall fitting to the fuel pump and then to the carburettor.

**Materials required:**

- 5-minute Araldite and flock
- Loctite 518 gasket sealant, lock wire
- Card #11T 'Fuel components', Card #15T 'Spares'

**Fit the fuel lines and drain hoses**

The fuel lines are connected in 2 runs: from the firewall fitting to the engine-driven fuel pump; and from the engine-driven fuel pump to the carburettor fuel inlet fitting. If you are fitting a fuel flow or fuel pressure sensor it should be inserted into the fuel line between the fuel pump and the carburettor at a point near the midpoint of the line.

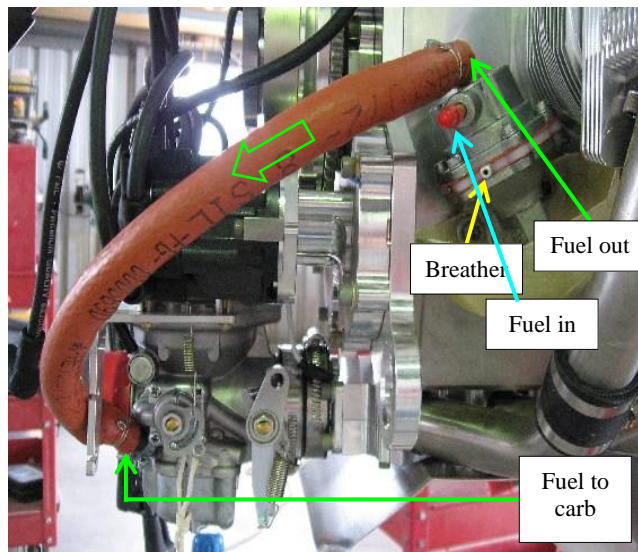
Cut some black fuel line to length for each run, allowing enough length for the fuel line to be routed smoothly between each pair of fittings. Cut some fireproof sleeving to the same length as each fuel line. Slip the fireproof sleeving over the fuel lines and roll the ends back so that you can fit the hose clamp over each end of the fuel line. Make sure that each fuel line is clear by blowing through it to remove any dust or debris before fitting.

Note that the fuel pump inlet is on the side of the pump and the outlet is on the top of the pump as pictured at right.

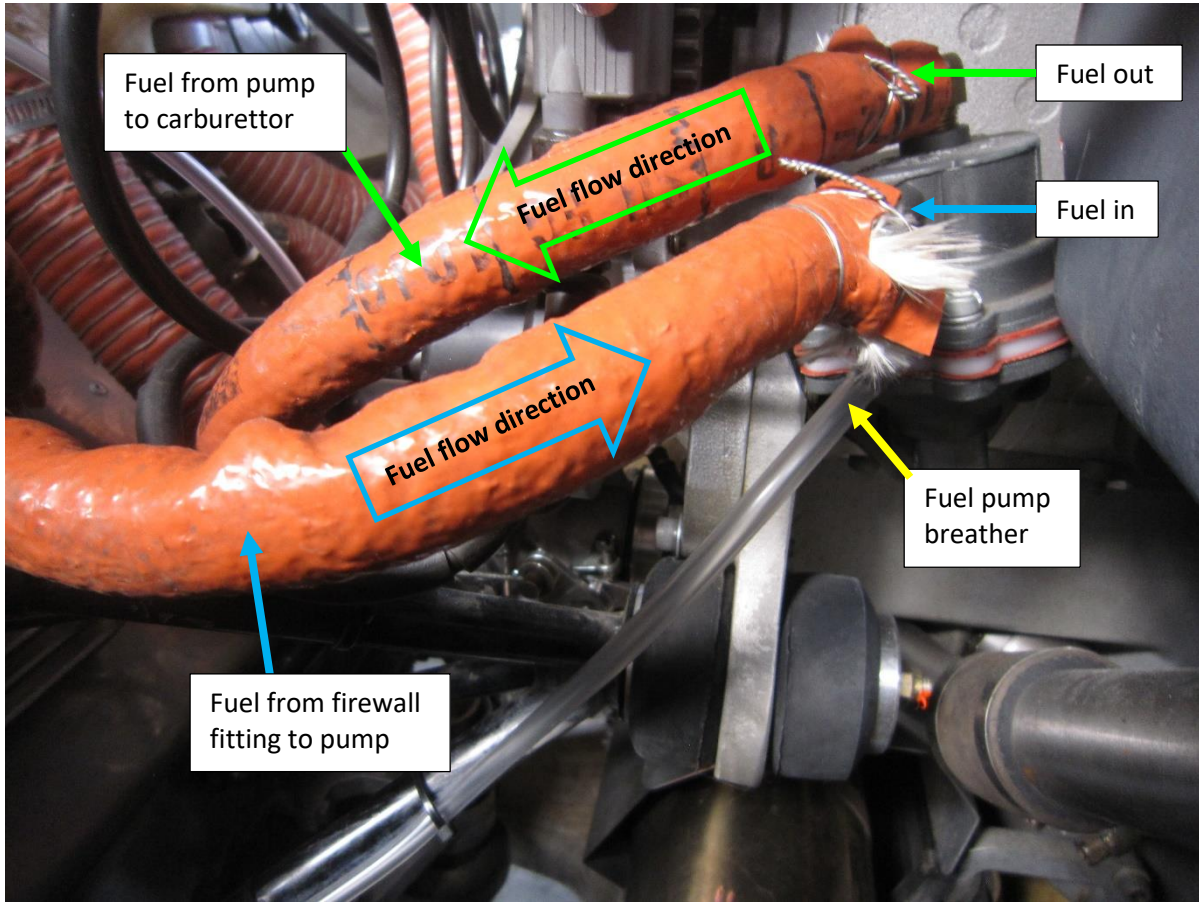
Use the flow arrows in the 2 photos on this page to help you visualise the fuel flow to and from the fuel pump.

Fit the top fuel line into place: this line runs from the top fitting on the fuel pump to the fuel inlet fitting on the carburettor.

Fit the lower fuel line into place: this line runs from the fuel fitting on the firewall to the side fitting on the fuel pump.



Roll the fireproof sleeving over the hose clamps and lock-wire the sleeve into place using a double loop of lock wire around both sides of the hose clamp. Fit the fuel breather and fuel pump drain (clear) hoses, route back to the firewall and zip tie to the lower right engine mount tube and leave enough length for the hoses can be routed back to the firewall and end 50mm below the bottom of the firewall step.



This completes the *Pre-Paint>Fuselage>Firewall forward>Connect fuel pump* task