



**RV-14/14A Installation guide for SDS FIREWALL FORWARD  
HOSE KIT.**

**VERY IMPORTANT: Please trace out your entire fuel system as there are a lot of lines. You want to ensure continuity of the fuel return lines from the engine to the tank, as well as the fuel supply lines from the engine to the tank.**

Aircraft Specialty, and TS Flightlines are excited to announce the FWF portion of our RV14/14A SDS Package. We would like to thank Joe Nelson for all his help on refining this kit.

Hoses in this kit are of the following nomenclature.

ASFXXX RX HX

ASFXXX- Kit number (for internal tracking purposes)

RX – Hose revision number. (for internal tracking)

HX – Hose number.

Full Example ASF144-2 IF R1 H190 – This would be the VA190 Oil hose.

This kit will contain three part numbers that are the same as the Van's kit. That is the two oil hoses and the VA119 Hose.

Additional hoses are as follows:

H1- Fuel Block to Filter

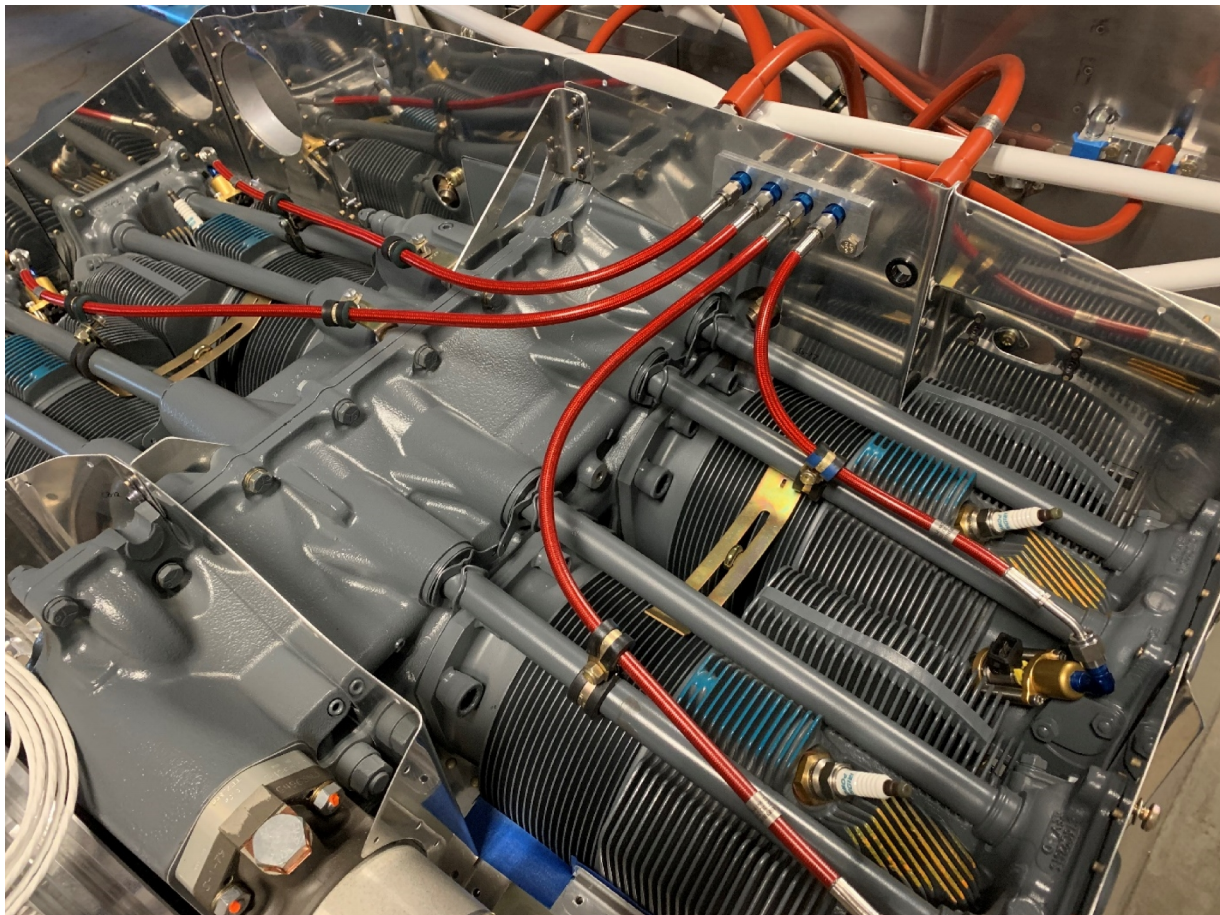
H2- Fuel Block to Regulator

H3- Firewall Bulkhead to Filter

H4- Fuel Block to gauge port

H5-H8- Injector Lines

We do not have a specific Installation manual for this kit. However, we will be providing pictures of the installation in order to help builders with the hose routings. The standard hoses are installed as per the Vans install manual. The SDS specific hoses are installed as per the following pictures.





The picture on the previous page shows the injector lines. They are all different lengths and the 45 degree fittings are put onto the injectors. The final routing should look like this. Adel clamps or other securing methods are recommended as shown in this picture.

The picture below shows the aft side of the baffle mounted injector block.



The picture below shows the location of the regulator as well as the correct clocking of the firewall passthrough fittings. Remember to tighten up the firewall bulkhead fittings if you haven't already done so. The swivel adapter to connect that passthrough to the regulator is included in this kit. The picture below depicts 1.5" distance between the two firewall fittings. We now recommend 1.75" to give a bit more engine mount clearance.





Another Firewall picture including the post filter mounting location.



Shown here is another angle view of the aft baffle regulator mount location.







Shown above is a picture of the post filter mounting location.