

FN-150 Turret Update, September 2018

September's project was the Rotation Restrictor Valve and associated pipework. When the guns are depressed this valve reduces the oil flow to or from the hydraulic motor, thereby limiting its speed and preventing shock when the gun interrupter mechanism operates.



The first job was to find as many parts of the restrictor valve as possible. In fact this collection of FN5 and FN150 parts contains all but two of the components. See if you can spot them.



Once re-assembled (minus the seals) the valve is fitted to the left side gun support. That was the easy part, much harder was producing the two pipelines to and from the valve as the originals were damaged beyond repair.



Below, one of the new pipelines goes to the hydraulic motor whilst an original heads off, via one of the two filters, to the control valve.



The two filters are squeezed in beside the interrupter gear (see August update). The two larger pipelines connect to the Valve Box. Now it all fits together, the whole lot can come out again for painting.



The project for October is the Valve Box – this could be something of a challenge as it has obviously crashed!

