

### FN-150 Turret update October 2018

October's job was the Valve Box. The valve box is the control unit of the turret and houses three piston-type valves, that is the master valve, the rotation valve and the elevation valve. When the master valve is operated, pressure is admitted to the rotation and elevation valves and the turret is "live".



This crash recovered Valve Box will clearly never work again but with time and a fair bit of lateral thinking was made sound enough to support the eight hydraulic pipes that run to and from it.



With the Valve Box restored, the rest of the hydraulic components were removed and sprayed.



The two Filters and the Gun Ram lower flexible hose are a very tight fit next to the Interrupter linkage and must, surely, have caused problems in service.





The Rotation Restrictor Valve goes back in, hopefully, for the final time. It has its re-manufactured pipes complete with original labels.



With the Valve Box, Gun Rams, Filters, Rotation Restrictor Valve and all pipe lines fitted the hydraulic services are complete with the exception of the main supply and return lines.



November's project is the gunner's control system. The rods appear to have been cut from a turret and the control handle is from a crash site – quite a challenge.

