

Topping up the Fluid Flywheel

This is a fairly straightforward job. You'll need to do this if you notice a loss of power and/or high revs required for the same tractive effort. An immediate tell-tale is loss of red OM13/AQF transmission fluid dripping out of the rear engine access plate.

1. Park the Ferret on level ground. Ensure the parking brake is on.
2. [Remove](#) the gunner's seat, two radios and the radio tray. Open the inspection cover. Often the timing pin is found attached by thin wire onto the inspection door mesh, do not loose this!
3. With the starting handle, remove the plug in the rear skid plate. Insert the other end of the starting handle. Engage the lugs, and turn the handle clockwise.
4. Ideally have an assistant look into the fighting compartment through the front hatch to watch one of the fluid flywheel plugs come anti-clockwise [into view](#). Its easy to turn the engine over too far, necessitating repetition of the exercise.
5. [Stuff a rag](#) in the space between the fluid flywheel housing and the inspection hatch. With a close-fitting six-sided [1" imperial AF socket](#), on a ½" square drive with a right-angle bar, loosen the brass plug. Take care not to round the edges – it is thus very important that the socket is an *exact* fit.
6. Once loose, use the special [plug removal tool](#) FV55751 (NSN = 5120-99-815-7811). Screw the probe into the centre of the plug, and remove it carefully. This step can be done without the removal tool, but do not drop the plug! Also, do not drop the [Dowty](#) sealing washer off the end of the plug.

NB. Do not try to use the plug removal tool to unscrew the plug. It is made of soft iron, and will deform. Use this only to screw into the plug and remove it once it has been loosened.
7. [Top up](#) the fluid flywheel with [AQF](#) transmission fluid (Mil = [OM13](#)) to the brim, [flush with the hole](#).
8. Replace the plug. I have painted a [red dot](#) in the centre, so this is always the plug that is removed.
9. Take the opportunity to check the gear box and transfer box oil levels.
10. Re-fit the radio tray, radios and gunner's seat.

