



## **UNIVERSAL OIL COOLER KIT INSTALLATION INSTRUCTIONS**

If your vehicle does not already take a spin-off filter - enabling a generic take off/sandwich plate to be fitted - start by fitting the oil filter adaptor kit or take off plate designed for your vehicle. **DO NOT** fit the oil filter.

Once the adaptor kit is in place, fit the oil cooler take-off plate (this is the aluminium plate with two take-off connections). Ensure that you fit the take-off plate with the rubber seal up against the oil filter adaptor plate. Do not tighten the take-off plate just yet.

Now find a suitable location for the oil cooler. The ideal spot is where there is a good supply of cooling air - this is usually in front of the radiator. Place the cooler in position but do not fix it. Place two of the fittings supplied on the cooler connections and ensure that the fittings and the hoses which will be connected to them do not foul any of the car bodywork, fan, engine, etc. Similarly, fit the other two fittings on to the cooler take-off plate. The plate and fittings can be rotated and aligned to suit. Once these are in position lay out the hose supplied so that it can run to the cooler with no sharp bends or too close to the exhaust.

Once you are satisfied with the first hose run, cut the hose and assemble following the instructions for Rapide hose below. You will usually find that one hose will be longer than the other: it is recommended that you cut the longer of the two hoses first. Lay out the second hose and cut that also. Assemble.

The two hoses are now ready to fit. Make sure that you fix the cooler in position (using the mounting holes in the upper or lower plates or make a suitable clamp) and tighten the cooler take-off plate. Do not forget to fit the filter (**FILLED WITH OIL**). Make sure that you lubricate the filter rubber seal before fitting and also the cooler and take-off connections. Use the P-clips provided to support the hose where required. Make sure that all the hose connections are tight.

## **RAPIDE HOSE ASSEMBLY INSTRUCTIONS**

Flexolite Rapide hose can be cut with sharp knife, hose cutter, or a hacksaw with a fine-toothed blade. If using a hacksaw, hold the hose firmly (but do not crush) in a vice.

Hold the Rapide fitting in a vice (taking care not to mark the fitting - use soft-jaws or similar) with the barbed end of the fitting facing upwards. With angled fittings support the fitting under the boss just below the barbs; with straight female BSP fittings you will need to screw an adaptor or similar into the fitting to stop the centre-piece popping out.

Apply HoseLube or light oil around the barb of the fitting. If using large bore hose (or if you are unsure of your own strength) it helps to dip the end of the hose in to very hot water just before assembly - BUT PLEASE BE CAREFUL. All that is then required is to push the hose over the barbs until it goes all the way on the end of the barbed section. This will require a reasonable amount of force with the larger sizes and it helps to be determined and to push the hose on in one go if you can - as it can become more difficult with repeated attempts.

Once the hose is on all the way it will not come off in normal use - safe working pressure is at least 250psi or more depending on which size of Rapide hose you are using. You will not need hose clips or swage collars. It should be possible to rotate the fitting in the hose if it is needed to obtain correct alignment and this does not affect the seal between hose and fitting. To remove the hose you will need to cut along the barbed section of the hose and snap the hose off the fitting - again PLEASE BE CAREFUL when you do this