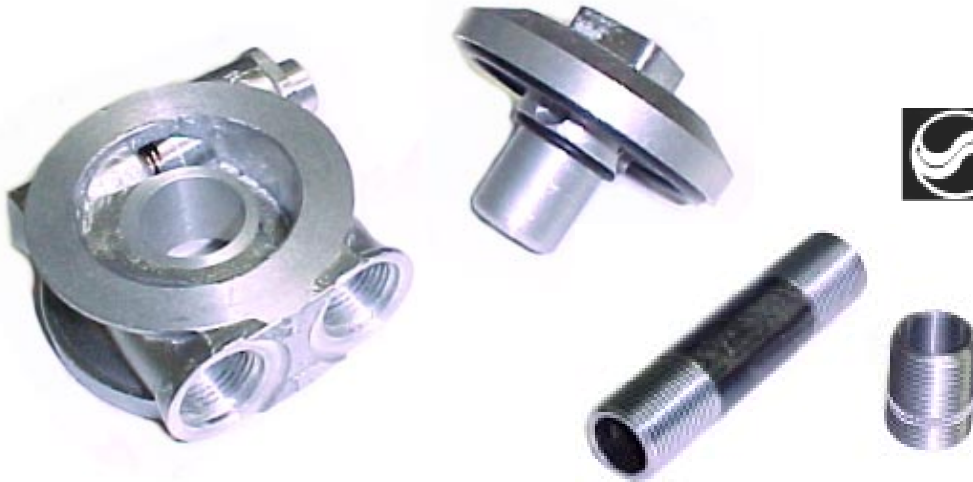


## MOCAL TOP1LPT (VW VR6 Thermo Take-off)



*TOP1LPT is supplied with both long & short extensions allowing installation with, or without, factory VW heat exchanger.*

The TOP1LPT thermostatic oil take-off plate allows additional oil cooling devices to be added to the VW VR6 engine. VW equips most of its engines with a small water to oil heat exchanger located between the engine block and oil filter. Since the VR6 engine uses with a canister type oil filter it's factory water/oil heat exchanger is instead located on the front transmission side of the engine block retained by a "blanking plate" that mounts the device to the engine. The Mocal TOP1LPT is designed to fit in this location and thermostatically control (at 180 degrees) oil flow to the remotely mounted oil cooling device of your choice. The TOP1LPT can be installed in conjunction with the factory water heat exchanger or with the exchanger removed (see option below). Below is an overview of installation.

Remove the stock "blanking plate" by putting a wrench on the hex nut incorporated on the end and turning it off. The heat exchanger is now free from the block and the entire area should be wiped clean of excess oil. Refit the exchanger to the engine block with the supplied **long** 3/4"-16 threaded male extension making sure that the o-ring on the rear of the exchanger is properly in place. The threaded extension takes place of the standard blanking plate and allows the female threaded cap portion of the TOP1LPT to turn on, which is the next step. Make sure that both o-rings on the TOP1LPT are secure in their grooves, and whole installation should resemble the drawing below. Align the inlet/outlet ports for easiest hose routing while tightening the hex nut on the rear cap. Male unions will be needed for connecting hose ends to the 1/2" female ports on the TOP1LPT. (Option) if the factory water/oil heat exchanger is being omitted, substitute (supplied) **short** 3/4"-16 male thread nipple in place **long** extension.

