

'Mk.1' Elise Sport 160 Upgrade Kit

The concept of the Mk.1 Elise Sport 160 model was to use a high performance engine specification in conjunction with sport suspension and was aimed at customers who enjoy 'track days' and similar usage. The engine characteristics require that high rpm and full use of the gearbox are employed to extract full performance. Idle quality and low speed running are compromised.

Continuous monitoring of customer feedback has resulted in the development of an upgrade kit to the WVTA Mk.1 Elise 160/Sport 160 (using the EFI controller) in order to improve idle quality and low speed driveability whilst retaining the original power output.

Parts Required

Upgrade Kit, Sport 160	A111E0084S
comprising:	
<i>Toothed Pulley, exhaust camshaft</i>	<i>A111E0082S</i>
<i>Throttle Body, 52mm</i>	<i>A117E6090S</i>
<i>ECM, exchange</i>	<i>A111E0083S</i>

(Parts may be ordered individually if required. ECMs may also be reprogrammed by arrangement with the Parts Department)

112° Exhaust Camshaft Pulley

The standard engine exhaust cam timing is 102° BTDC maximum opening point. The modified pulley allows the exhaust cam timing to be advanced by 10° to 112° BTDC MOP. Partly as a result of the reduced valve overlap, idle quality, low speed running and exhaust emissions are all improved, whilst the larger throttle body (increased from 48 to 52 mm) and revised calibration maintain full power output.