

## CASE HISTORY ALFA TWIN SPARK

We were asked to investigate a Alfa twin spark with a history of miss firing and poor running. Investigation using our normal methodical approach revealed the ignition coil packs to be in a very poor condition, number one coil when tested on our oscilloscope showed a misfire and as can be seen in the picture below was in a very poor condition having been immersed in water due to the engine having been steam cleaned. As well as the ignition fault we also found that the lambda sensor was switching very slow advising the customer of the faults that we had found he was shocked after revealing that another garage had checked the car and the main dealer had spent seven hours trying to track down the cause of the running faults . The previous garage had advised the lambda was slow and the customer had replaced it with a non genuine part of dubious quality , we suggested new coils , plugs, leads and an original quality lambda sensor which cured the running issues.



