

## CASE HISTORY FIAT PUNTO 16V



**VEHICLE FAULTS:-** misfire at idle , lumpy idle , engine management light on , faults stored for random misfire.

**VEHICLE HISTORY:-** This vehicle had extensive repair work to try and rectify this problem: - new plugs, ht leads, ignition coil, coolant sensor, lambda sensor and a new engine management ecu.

**TESTING:-** Testing with our Pico scope revealed an HT misfire with a short spark time on two cylinders .Visual inspection of HT revealed poor quality HT leads fitted that had shorted out down through the insulation.



**CONCLUSION: -** Quality parts are not an option they are necessary to ensure a quality repair and in the long run are cheaper .I would estimate the parts fitted on this car were approx £800.00 new quality O.E HT leads cost £54 Inc vat.