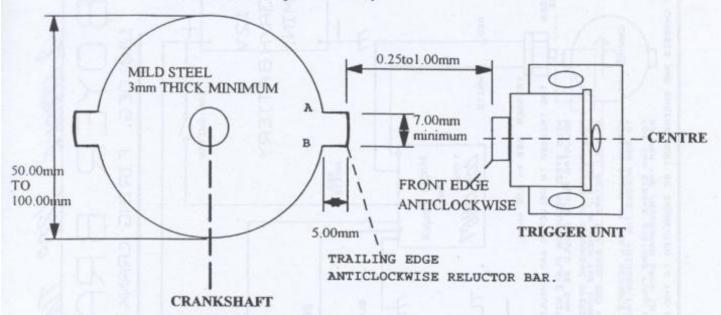


CRANK TRIGGERED IGNITION RELUCTOR DATA

180 DEGREE FIRING

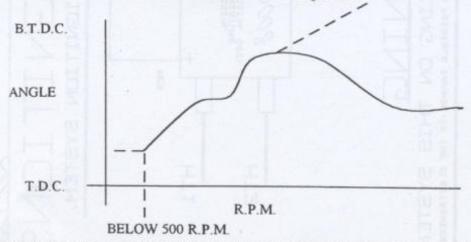
RELUCTOR UNIT (NOT SUPPLIED)



- 1) THE RELUCTOR PASSING THE CENTRE OF THE TRIGGER COIL MUST BE MILD STEEL, OR SOFT IRON, 3mm OR MORE THICK, AND THE STEP MUST BE AT LEAST 5mm HIGH.
- 2) THE ROTATING MASS BETWEEN THE TRIGGER AND CRANKSHAFT MUST NOT HAVE ANY LARGE LUMPS OR INDENTS OF A MAGNETIC MATERIAL, AS THESE COULD GIVE FALSE IGNITION PULSES AT HIGH RPM.
- 3) THE RELUCTOR CAN FORM PART OF A DRIVE PULLEY OR SPROCKET, BUT CHECK THAT NO BOLT HEADS ROTATE CLOSE TO THE TRIGGER UNIT.

TIMING INFORMATION

THE LEADING EDGE OF THE RELUCTOR WILL LINE UP WITH THE CENTRE OF THE TRIGGER AT THE MOST ADVANCED IGNITION TIMING REQUIRED.



BELOW 500 R.P.M. THE IGNITION TIMING IS CONTROLLED BY THE TRAILING EDGE OF THE RELUCTOR TO THE FRONT EDGE OF THE TRIGGER ie (THE LONGER THE RELUCTOR THE MORE RETARDED THE TIMING AT STARTING SPEEDS.)

THEREFORE IF THE RELUCTOR WAS 30 DEG.LENGTH(AtoB) WITH THE LEADING EDGE AT THE CENTRE OF THE TRIGGER AT 35 DEG.B.T.D.C. THE MOST ADVANCED TIMING WOULD BE 35 DEG., AND AT CRANKING SPEED APPROXIMATELY FIRING AT T.D.C.