Ignition timing – MO1 magneto (B31/33)

1. Remove the timing cover.
2. Undo the magneto gear with a special tool or puller.
3. With the magneto cover removed rotate the points clockwise until they are fully open and adjust the gap to .010”- .012”
4. Set the handlebar lever to full advance (i.e move the lever so that the camplate behind the points moves as far as possible in the opposite direction to the rotation of the points).
5. Engage top gear, remove the spark plug, rotate the rear wheel forwards until the piston is 8mm* before TDC on the firing stroke. Firing stroke can be determined by placing a finger over the spark plug hole and feeling for compression.
6. Rotate the points clockwise until they are at the point of breaking open. Reattach the magneto gear ensuring the points don’t move.
7. Replace the spark plug, replace timing cover etc. and start the bike.

(* n.b. advance differs marginally amongst models.)