



BTH Components Ltd

Ignition systems for the Z1st

MOZR & MOZR FITTING INSTRUCTIONS



Please read these instructions all the way through before starting. If you do not have sufficient skills or the correct tools have the unit fitted by a recognized mechanic.

NOTE: All covers are sealed and the screws secured with loctite. **DO NOT REMOVE**



1. Turn the magneto shaft until the engraved arrow on the end of the shaft is pointing down towards the base. (Figure 1.)
2. Insert the drive stainless timing rod into the timing hole under where the dynamic will sit. Turn the shaft a little either way to ensure the rod enters fully through the shaft and into the magneto body on the other side (Figure 2.)



3. Set your engine to required **Fully Advanced** ignition point before top dead centre either measuring through the plug hole as shown or preferably with a degree disk. (Figure 3) (The electronics automatically retard the spark for starting.)

4. Fit magneto and replace the timing pinion and torque the nut to 12-15 N/m. **Maximum** and **REMOVE THE TAMM** nut from the magneto. (Figure 4.)



5. Fit the HT coils in a suitable position and connect up the wiring. Note blue wire to black leads on HT coil. Set the plug gap to .007". The HT leads must have a 1/2 inch air gap & do not strip the HT cables together. 2. Refit any covers etc and check off fasteners and wiring for security.

6. Grease the dynamic gear and drive gear through the dynamic hole. **This is important.** (Figure 5.)

9. The brass screw can be removed to fit your original whip/cable for a more original look. (Figure 6.)



Figure 5

10. The black wire into the magneto when earthed. Connect this wire to a switch or kill button for stopping the engine.
11. Start your engine.

NOTES:

1. You may find that with modern fuel your engine may perform better using up to 3-4 degrees fewer advanced than standard.
2. If you do not use a kill switch ensure that the black wire and kill switch is well insulated so that cannot be accidentally earthed.

