ELECTRONIC IGNITION MODULE TV-2E

DESCRIPTION

Electronic ignition module TV-2E is a device made for transformation of contact based magneto with the ignition coil and „breaker contacts“ to contact-free type of magneto.
It is being installed (applied) the same way as the ignition coil before and entirely replaces:

- ignition coil
- breaker contacts
- capacitor

INSTALLATION MANUAL

First of all you need to dismantle the following:

- ignition coil (A - Image.1)
- breaker contacts (B - Image.1)
- capacitor (C - Image.1)

Electronic ignition module TV-2E (D - Image.1) needs to be fastened with two screws (marked as E - Image.1) to the backplane (F - Image.1).
The next step is to connect a knife plug (4,8 mm x 0,5 mm) to a turn-off cable and afterwards connect a turn-off lead from the electronic ignition module TV-2E to the turn-off cable(Image.2). That contact should be additionaly isolated.

PRE-IGNITION ANGLE SETTINGS

With the electronic ignition module TV-2E you can adjust pre-ignition angle by turning the backplane in one of the following directions. There are 3 possible ways of adjustment depending on the motor's operating conditions that are described below.

a) Standard adjustment

The backplane needs to be placed in the „middle“ position so that the fastening screws of the backplane are in the „middle“ of the slot for adjusting the position of the backplane(marked as G - Image.1).

b) Motor's operating conditions such that it works most of the time at „high“ revolution speed

If the motor's operating conditions are to work most of the time at „high“ revolution speed, the backplane should be turned in the opposite direction from the direction of the motor's revolution regarding the „middle“position (increase the pre-ignition angle) by using the slots which are made for adjustment of the backplane(marked as G – Image.1)

c) Motor's operating conditions such that it works most of the time at „low“ revolution speed

If the motor's operating conditions are to work most of the time at „low“ revolution speed, the backplane should be turned in the direction of the motor's revolution regarding the „middle“position (decrease the pre-ignition angle) by using the slots which are made for adjustment of the backplane(marked as G – Image.1)

ADDITIONAL CONDITIONS

Along with the electronic ignition module TV-2E one of the following spark plugs should be used BOSNA F100, CHAMPION L 78, BOSCH W4A1, N.G.K. B8HS or some other spark plugs that have similar thermal values. The clearence on the spark plug should be set to 0.8mm.

After setting the pre-ignition angle in one of the above described ways, choosing the appropriate spark plug and after setting the clearance on the spark plug the motor is ready to work.

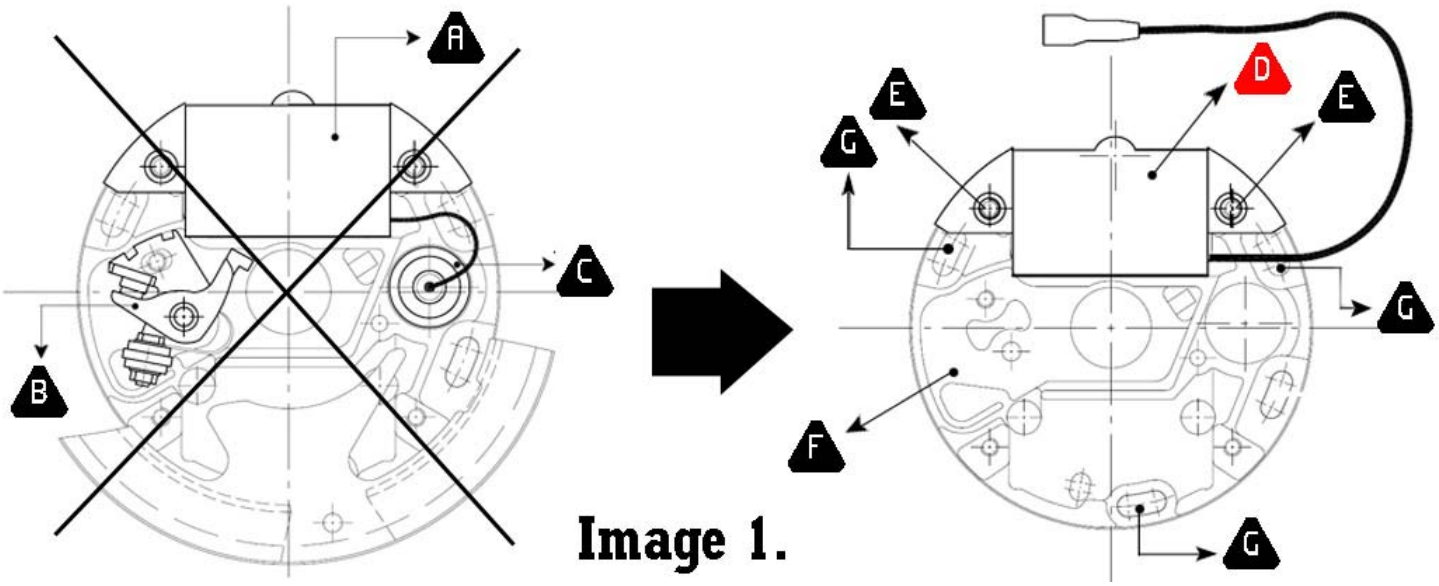

Image 1.

A – ignition coil,
B – breaker contacts,
C – capacitor
D – electronic ignition module TV-2E
E – screws for fastening the electronic ignition module TV-2E
F – backplane
G – slots for adjusting the position of the backplane

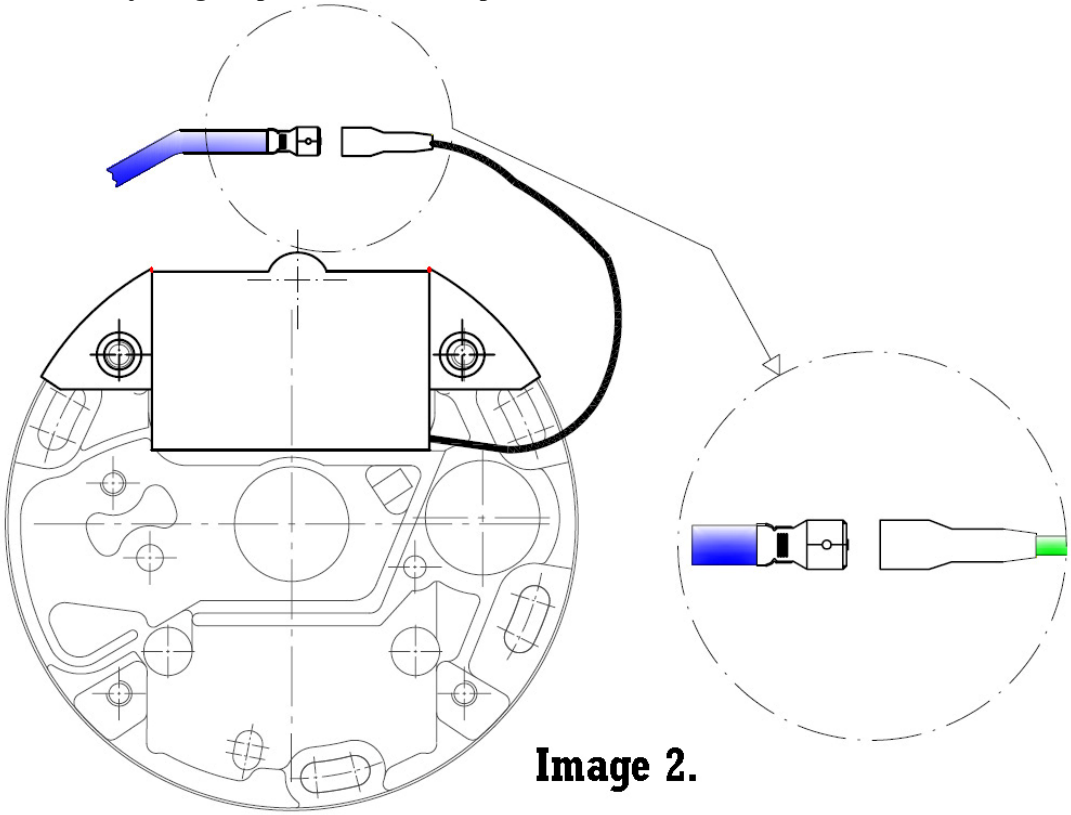

Image 2.