



Application: All Air-Cooled Beetle, Super, Ghia, Type 3, Thing,
& Air-Cooled Volkswagen Bus 1950-1971

Part Includes
1 - Component

Electronic Ignition Module



Tools Needed



WARNING

- Installing the module wires backwards will cause the module to fail.
- Leaving the ignition switched to the start position without the engine running will cause the module to fail.
- Using a coil with less than 3ohms resistance will damage the module.
- Must have a properly working electrical system. Alternator Generator output must not exceed 13.7 volts.

BEFORE YOU START

Please read and thoroughly understand these instructions. If you do not feel comfortable with this project, we recommend that you have a professional air-cooled specialist install the electronic module.

STEP 1.

Disconnect the negative battery cable

STEP 2.

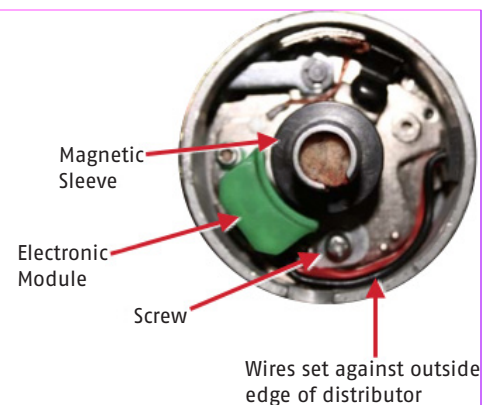
Prepare distributor for the Electronic Module

- Remove the cap from distributor (do not disconnect the ignition wires)
- Remove rotor
- Remove ignition points - Warning do not lose the screw, you will need it to install electronic module.
- Disconnect condenser from coil. (Note: the condenser is attached to the negative side of the coil) Make a note of the terminal where the condenser wire is connected.
- Remove condenser
- Clean the base of the distributor of dirt and/or corrosion.

STEP 3.

Install Magnetic Sleeve

- From the back side view the round magnetic sleeve. Notice the four (4) protruding lobes.
- With the lobes facing down - align the magnetic sleeve so that the four (4) lobes are indexed on the flat sections of the distributor shaft.
- Firmly press the magnetic sleeve on the shaft until the lip of the sleeve rests on the shaft collar. Do not press further than the collar. Pressing the sleeve too far on the shaft will cause the sleeve to break and the module will not work.



NOTE: Individual Modules may vary in appearance



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Ignition Electronic Module (cont.)

STEP 4.

Install Electronic Module

- A. Insert the indexing pin on the bottom of the module into the unthreaded hole of the distributor baseplate. When properly aligned the module will be resting flush to the baseplate with the threaded hole of the distributor showing.
- B. Insert philips screw (removed from points) into the distributor baseplate do not tighten.
- C. Align module to magnetic sleeve. Make sure there is no contact between the module and the magnetic sleeve. Equal gap is not critical as long as there is no contact between the module and sleeve.
- D. Insert Black & Red module wires through the condenser hole in the distributor. Firmly pull rubber grommet until it seats into condenser hole. Adjust length of wires in the distributor so they rest on the outside edge of the distributor away from moving components.

STEP 5.

Connect Module to Coil

- A. Connect the red wire of the module to the positive (+) or (15) side of the coil.
- B. Connect the black wire of the module to the negative (-) or (1) side of the coil.
- C. Reinstall rotor
- D. Reinstall distributor cap
- E. Reinstall negative battery cable

STEP 6.

Set Ignition Timing

Set the ignition timing to the proper specification for your vehicle using a strobe style timing light.

TROUBLE SHOOTING

If your car does not start, please check the following.

1. Confirm battery has minimum of 12v output.
2. Confirm your distributor cap and plug wires are properly installed and that the firing order is correct: 1,4,3,2. If you are not sure, rotate the crank shaft pulley until you reach TDC. At this point with cap removed and the rotor installed the tip of the rotor should be pointing to the #1 cylinder of the distributor cap.
3. Check all wire connections. Make sure the spark plug wires are properly installed and module wires are properly attached to the coil.
4. Check timing. Set initial timing to 0° TDC. After this setting follow step 6 above and set your timing to the proper specification for your car using a strobe style timing light.

WARNING – NOT FOLLOWING THESE INSTRUCTIONS COULD PERMANENTLY DAMAGE THE ELECTRONIC MODULE