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Bosch ZEV magneto



This magneto is designed and built to give you many years of reliable service. Periodically, apply 1 drop of oil to the top of the joint between the bronze timing ring and mating aluminum surface. Operate advance-retard mechanism to spread.

High tension (spark plug) wires are one piece going directly to the coil, do not try to remove from the magneto, and do not bend excessively where they exit the magneto; if the insulation cracks, the spark could jump to nearby metal. Generally speaking, these leads should be no longer than necessary to install to the spark plugs. Bear in mind, the spark travels from one wire to the other; ground merely connects the two wires. It does not matter which wire goes to which spark plug. Rotating the magneto without a path through which the spark can complete the circuit is to be avoided (use, for example, 2 spark plugs taped together).

When installing the advance-retard timing ring, align the gears so they mesh on the white marked teeth (which is the advance position). We recommend our p/n **KATT** timing tool, also useful for testing magneto operation status after motorcycle has been stored for extended periods.

The contacts should not need replacing, but in the event you wish to do so, the pivot has been bored out to .2 inch, as opposed to the standard Fairbanks Morse .156; therefore you would need points applicable to our MRA system for standard Fairbanks Morse type magnetos. Use points applicable to MRA-G for counterclockwise turning cam. Install per the beginning of the MRA instructions. Points gap is .019 with the small advance gear rotated to where the gap is the widest.

Also note that there is a ¼ pipe socket head plug for the bottom mount area. Per your discretion, this hole can also be used as a breather, plug with breathable foam, etc. Our suggestion is drill a hole, 1/8 inch or less, through the plug to act as a drain if moisture builds up. You may want to file a 'slot' if the breather plug is blocked by the mounting pad on engine.

Any questions, please contact us at Morris magneto.