V-Twin Mfg.
JOE HUNT H4 AUTOMATIC ADVANCE MAGNETO
FITS TC-88 W/S&S GEAR DRIVE
VT No. 32-1300

This is a custom application and rider safety depends on proper installation. This product should only be installed by a knowledgeable and trained motorcycle technician. V-Twin Mfg. accepts no responsibility for improper installation.

TWIM CAM TIMING FOR GEAR DRIVEN MODEL

Installation Instruction

1. Raise rear tire off the ground.

2. Remove side cover.

3. Remove spark plugs.

4. Remove bolt that holds rear cam gear on.

5. Install drive gear into rear cam gear using the thick stock washer. Use green or blue loctite on threads torque to 3- 5 ft lbs.

6. Remove timing sensor (located front of engine by oil filter).

7. Looking into the timing sensor hole, rotate engine counter clockwise by rotating rear tire, look for the spot on flywheel with no teeth, from this point rotate the engine ccw counting the teeth, stopping on the 5" tooth. Now look at the rear cam timing gear to see if the dot is at the 11:00 position. If not rotate crank 1 complete revolution this will put the front cylinder on the compression stroke in the proper timing location. It is very important that you are on the 5th tooth and that the dot is at the 11:00 position.

8. Install magneto side cover.

9. Install magneto with small lobe on breaker cam touching the rubbing block on points.

NOTE:magneto turns counter clockwise.

10. Rotate breaker cam with a small pair of pliers in the cw position (this will put all the advance in). Now rotate the mag housing in the opposite rotation until points just break open on the small lobe. A buzz box will help you in this matter. Tighten the Magneto down. When timed the small lobe on the breaker cam should be just touching the rubbing block on the points.

11. Install cap and wires. We recommend that you use a wire core wire. We also recommend that you use a non-resistor plug. Gap spark plugs at .020".

12. Start bike. Start off by making small adjustments to the magneto until you get the timing where you like it.