



Technical Service Support Bulletin

Subject: Testing the Magnetic Pick-up
Product: Generators *with ECU*
Model(s): DCA 10 through DCA 600
Serial #: All *with ECU*
Bulletin: 2002-2
Issue Date: JAN 2002
Revised Date:

Instructions:

Step 1

Ensure that the wiring to the magnetic pick-up and the ECU is properly connected and that the connected wiring is in good condition.

Step 2

Disconnect the connector at the magnetic pick-up. Using a Multimeter test for continuity across the two Pins of the magnetic pick-up. If an infinity reading is obtained, replace the magnetic pick-up. If continuity is found, continue with Step 3.

Step 3

With the magnetic pick-up still disconnected, place both leads of Multimeter into the connector of the magnetic pick-up. With the Multimeter leads connected and the meter set on AC crank the unit (unit will not start due to pick-up not being connected). While the unit is cranking a reading of 3 to 5 volts AC should be read. If a low reading is obtained, proceed to Step 4.

Step 4

To adjust the pick-up, loosen the lock nut and remove the pick-up from the flywheel housing. With the pick-up removed from the flywheel housing, using a screwdriver, rotate the flywheel slightly so that one tooth of the flywheel is centered in the magnetic pick-up port. Reinstall the pick-up and tighten until the pick-up bottoms out on the centered tooth. **DO NOT TIGHTEN PICK-UP AFTER IT HAS MADE CONTACT WITH TOOTH.** After contact with the tooth, back the pick-up out of the port 1/2 turn. Repeat Step 3.

Step 5

After adjustment and re-testing should the magnetic pick-up not pass any of the above listed checks, replace the pick-up.

**ALL TESTING MUST BE MADE BY A
QUALIFIED ELECTRICAL TECHNICIAN. MQ
POWER IS NOT RESPONSIBLE FOR ANY
DAMAGES TO EQUIPMENT AND/OR
COMPONENTS RESULTANT FROM
UNQUALIFIED PERSONNEL.**

