

# **CDI Electronics®**

## **Two Cylinder Engines 1970-1971 Model 400 (With the 332-4172 Switch Box)**

### **NO SPARK ON ANY CYLINDER:**

1. Disconnect the Orange (or Salmon) stop wire AT THE SWITCH BOX and retest. If the engine's ignition now has spark, the stop circuit has a fault. Check the key switch, harness and shift switch.
2. Check the stator and trigger resistance and DVA output:

WIRE	READ TO	OEM RESISTANCE	CDI RESISTANCE	DVA (Connected)	DVA (Disconnected)
Blue	Engine GND	3200-3800	2200-2600	180-400 V	180-400 V (*)
Red (or White)	Engine GND	45-55	45-55	25-100 V	25-100 V (*)
Brown	Engine GND	N/A	N/A	1.0 V +	N/A

(\*) This reading can be used to determine if a stator or pack has a problem. For instance, if you have no spark on any cylinder and the stator's DVA reading is low – disconnect the stator wires and recheck the DVA output. If the reading stays low – the stator is bad. If the reading is now within spec – the pack is bad.

### **ENGINE HAS SPARK BUT WILL NOT RUN:**

1. Index the flywheel and check the timing. If it is out, check the flywheel key.
2. If the timing is off and the flywheel key is ok, replace the trigger.

### **NO SPARK ON ONE CYLINDER:**

If one cylinder is firing good and one is not, the problem is going to be either in the distributor cap or spark plug wire.

