altronic® BULLETIN

SUBJECT: IGNITION TEST UNITS
P/N 791 022-1 D.I.S. / DISN SYSTEMS
P/N 791 025-1 CPU-90 / II-CPU SYSTEMS

FEATURES:

* EXERCISE ALL OUTPUTS WITHOUT ROTATING ENGINE

* CHECKS IGNITION UNIT, WIRING AND COILS

* VERIFIES INCOMING PICK-UP SIGNALS

* MUTUALLY EXCLUSIVE INPUT AND OUTPUT SIGNAL TEST MODES

* EASY HOOK-UP

The Altronic ignition test units are designed to quickly troubleshoot the various components of Altronic digital ignition systems. Packaged in an easy-to-carry portable case, a qualified technician can easily test the ignition unit, wiring, coils and pick-ups for proper operation.

Two models are available:
    P/N 791 022-1 - tests the Altronic D.I.S. and DISN ignition systems.
    P/N 791 025-1 - tests the Altronic CPU-90 and II-CPU ignition systems.

The test units are connected between the normal cables and the ignition unit being checked. There are two operating modes:

    CAUTION: The operator must insure that the engine is purged of all fuel gas prior to using the test units.

OUTPUT MODE: The tester is set to simulate the pick-up signals for the particular application being checked. Simulated pick-up signals are sent to the ignition unit causing a functional unit to operate in its normal firing sequence. Thus the ignition unit, coils, and primary and secondary wiring can be checked without rotating the engine.

INPUT MODE: In this mode, the output circuits are disabled and the tester verifies that signals are being received from the system pick-up(s).

- The D.I.S./DISN tester checks the Hall-effect pick-up with the engine barred to a position where a magnet is opposite the pick-up or by cranking the engine.

- The CPU tester checks the incoming pick-up signals as the engine is cranked to verify the reset signal and displays the number of tooth/hole pulses being received. It also verifies proper operation and synchronization of the 4-cycle trigger pick-up.

The output and input modes are selected by a toggle switch insuring that only one can be active at a time.

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