

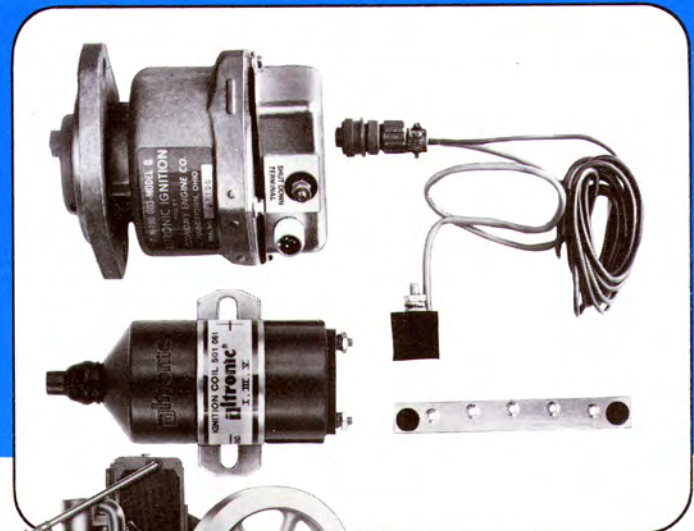
- ELIMINATES MAGNETO, BREAKER POINTS AND IMPULSE COUPLING
- CAPACITOR DISCHARGE ELECTRONIC IGNITION
- TIMING SET ONLY ONCE, THEN REMAINS CONSTANT
- ONLY ONE MOVING PART
- EXTENDED SPARK PLUG LIFE
- HIGH VOLTAGE AVAILABLE AT CRANKING RPM
- POWERS RELAY-TYPE AND ELECTRONIC PANELS



Certified  
CLASS I, GROUP D, DIVISION 2

# altronic<sup>®</sup> I

## IGNITION SYSTEM FOR 1-6 CYLINDER ENGINES



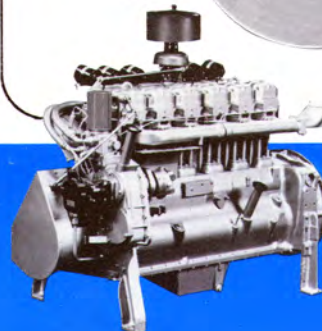
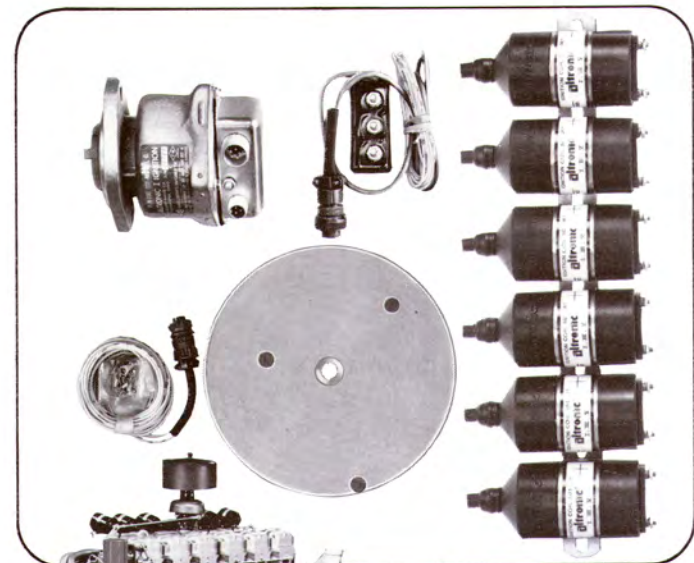
Altronic I ignition consists of a permanent magnet alternator unit, one or more remote mounted pick-ups sensing crankshaft-referenced timing magnets and an ignition coil for each spark plug. The system alternator provides the power for the electronic box mounted to it. The electronic box rectifies the alternator's AC voltage to DC, stores the energy in a capacitor, then releases the stored energy through an SCR electronic switch to the ignition coil(s).

The alternator performs no timing function and can be either belt or coupling driven. Timing is permanently set by timing magnets placed in the flywheel or a crankshaft mounted disc.

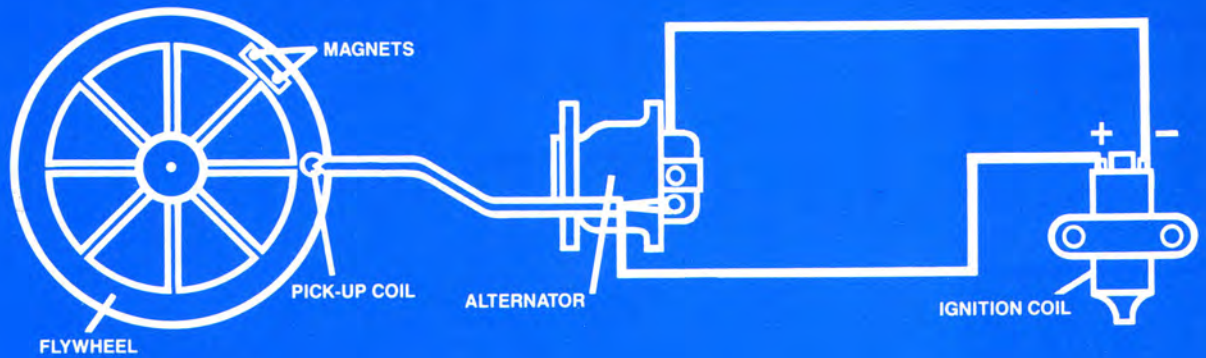
Long maintenance-free service is assured since the alternator's oversized ball bearing is the only moving part. All electronic parts plus the ignition and pick-up coils are encapsulated in epoxy.

Two basic systems are available using different electronic box configurations:

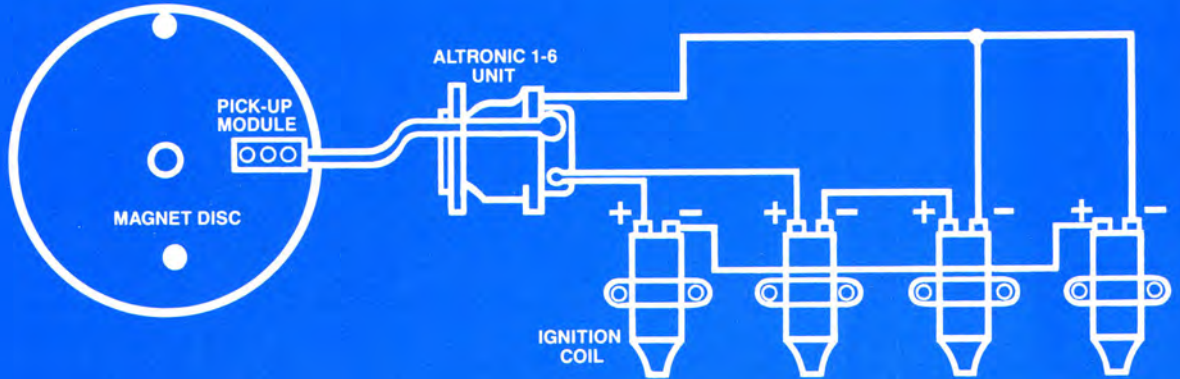
- For 1-3 cylinder horizontal engines using flywheel mounted magnets.
- For 2-6 cylinder engines using an aluminum timing disc.



## WIRING DIAGRAM SINGLE CYLINDER SYSTEM



## WIRING DIAGRAM FOUR CYLINDER SYSTEM



## APPLICATIONS

- AJAX\*
- ARIEL\*
- ARROW\*
- BAUDOIN
- BELL
- CATERPILLAR
- CLARK 1, 2-CYL.
- CONTINENTAL
- CONTINENTAL EMSCO
- COOPER 1, 2-CYL.
- CUMMINS
- DORMAN\*
- FAIRBANKS MORSE
- FORD
- GEMINI\*
- I-R LRE
- KUBOTA\*
- LEROI 1-CYL.
- LISTER\*
- LORAIN
- LUFKIN
- MINNEAPOLIS MOLINE
- OILWELL\*
- WAUKESHA\*
- WHITE HERCULES\*
- WITTE

\*Used on OEM basis by this engine manufacturer.

## OPTIONAL SHIELDED SYSTEM

Complete system consists of shielded pick-up, shielded primary cables and one of the coil types pictured below.



**501 061-S  
SHIELDED COIL  
591 010-S  
LONG DURATION**



**W/593 020  
SPARK PLUG LEAD**  
Used with 3/4" -20 spark  
plugs



**591 007 INTEGRAL COIL**  
Mounts to 1" - 20 spark plugs.

**591 011A INTEGRAL COIL  
591 011B INTEGRAL COIL**  
Mounts to 13/16" - 20 spark  
plugs.

**altronic<sup>®</sup>  
inc.**

712 TRUMBULL AVENUE • GIRARD, OHIO 44420 / (330) 545-9768 / FAX (330) 545-9005