

ALTRONIC I

Ignition System for 1-6 Cylinder Engines

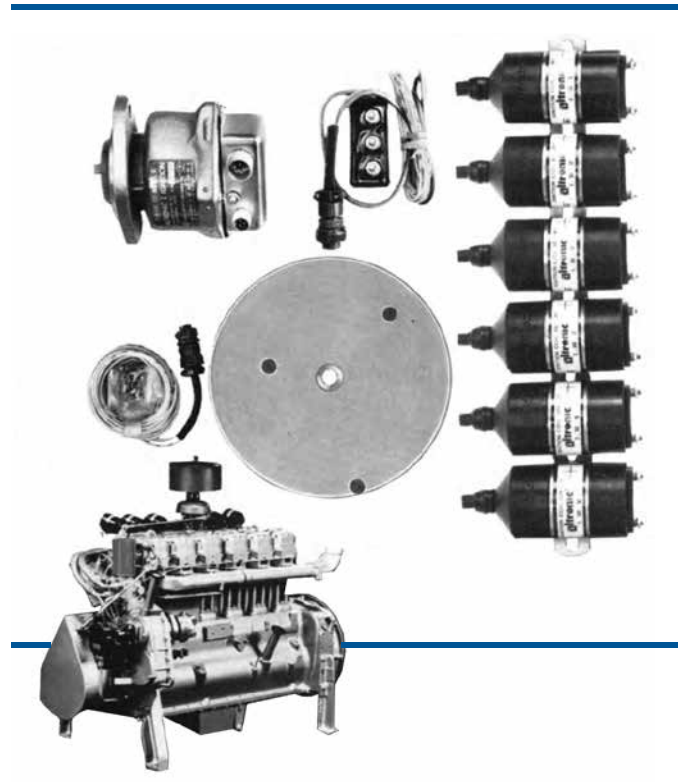
- Eliminates magneto, breaker points and impulse coupling
- Capacitor discharge electronic ignition
- Timing set only once, remains constant
- Only one moving part
- Extended spark plug life
- High voltage available at cranking RPM
- Powers relay-type and electronic panels
- CSA-certified for Class I, Division 2, Group D hazardous areas

Altronic I ignition consists of a permanent magnet alternator unit, one or more remote mounted pickups 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.

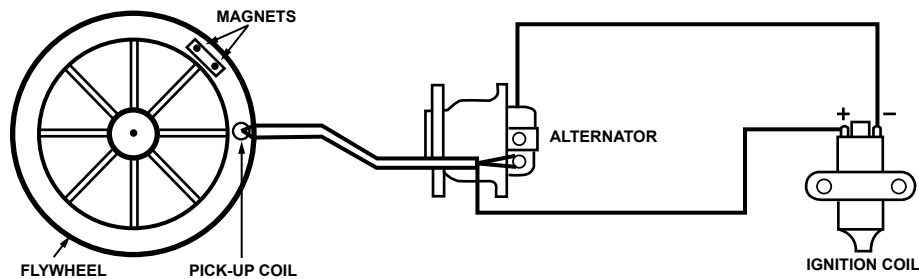


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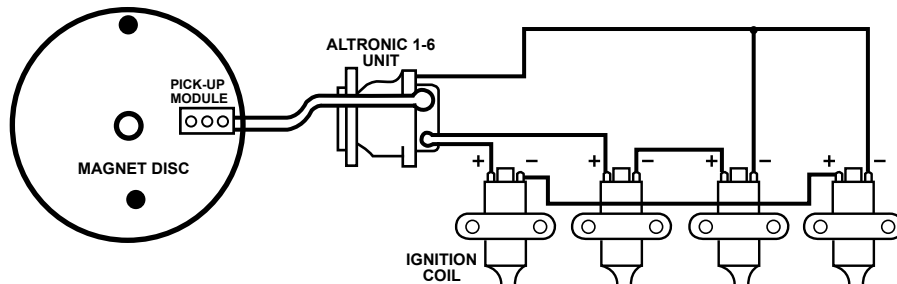


Wiring Diagrams

Single Cylinder System



Four Cylinder System



Optional Shielded System

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



501061-S
SHIELDED COIL

591010-S
LONG DURATION



W/593020
SPARK PLUG LEAD
Used with 3/4"-20
spark plugs



591007 INTEGRAL COIL
Mounts to 1"-20 spark plugs

591011 A INTEGRAL COIL
591011 B INTEGRAL COIL
Mounts to 13/16"-20 spark plugs

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.

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