



Tech Tip

Coil wiring

Ignition coils have a "+", "POS", "-" or "NEG" next to each of its two low voltage terminals. That's because coils need to have the same polarity as your system: wiring backwards will weaken the spark.

The wire that goes between the distributor points and the low voltage terminal on your coil, the "low tension lead," should be connected to the terminal that is labeled for the same polarity as your battery ground.

For instance in an early positive ground Land Rover, the low tension lead should attach at the terminal marked "POS" or "+". If that same Land Rover were converted to negative ground the coil should be turned 180 degrees in the holder and the wire connected to the "NEG" or "-" terminal.

Tip #2

The low tension lead is subject to a lot of vibration. It is not all that unusual for the copper strands to break within the insulation at the connector. To the eye everything looks OK. The ignition circuit can intermittently cut in and out creating frustration and even some danger.

If your engine starts cutting out and in or just stops then is OK after you check connections, a broken low tension lead should be among the suspects.

It is a good idea to carry a spare in your field repair kit.

Wire, white with black stripe 114WB
(correct wire to make up your own)

Crane XR700 Electronic ignition



The XR-700 system uses an invisible, infrared optical triggering beam to deliver precise ignition timing. The optical trigger installs in the same location as the original breaker points. A shutter wheel fits over the distributor shaft. Slots in the shutter wheel interrupt the infrared beam and generate a trigger signal that causes the XR-700 module to fire a spark far more powerful than that generated by a points-type ignition.

There are no contact points or rubbing block to wear out. You set the engine timing only once and it will not change. Dwell is determined by the width of the slots in the shutter wheel, it does not need to be set and will never change. Ignition tune-up's are a simple matter of changing spark plugs, rotor, and cap. Ignition system performance can be enhanced with higher output coils which can not be used with the Pertronix system. Not available for Ducellier distributors.

Specify negative or positive ground system, 4 or 6 cyl.
Crane Ignition 4 cyl. neg. ground XR700231