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Crane Ignition Box Instructions Part #1082003 & 1082021

These instructions are specific for our Crane ignition boxes being installed on a 20R or 22R (carbureted only) vehicle. These are Crane's basic magnetic trigger hook-up instructions with some minor modifications to make them more specific for your Toyota 20R/22R. These kits will eliminate your stock igniter.

Wiring Instructions:

- Thick red wire goes to +12 volt battery.
- Thick black wire goes to a good ground, Battery Negative Terminal.
- The thin red wire (in connector with unused white wire) needs to be spliced into a switched +12 volt source. You can pull this from the ignition switch or from the power source to your original igniter.
- White wire (in connector with thin red wire) is unused and needs to be shrink wrapped or taped with electrical tape to prevent it from shorting out.
- Distributor harness
 - Green (-) from ignition box goes to the red wire on your distributor.
 - Violet (+) from ignition box goes to the white wire on your distributor.
 - Warning Polarity is very important
- Coil harness
 - Black from ignition box goes to negative side of coil.
 - Orange from ignition box goes to positive side of coil.
- Blue wire from ignition box goes to switched +12 volt source, same as red and white connections.
- Yellow/White wire from ignition box goes to switched +12 volt source to activate rev limiter. The rev limiter will not work if this is not connected.
 - This wire is also used with optional staged limiters or line lock devices. See Cranes "basic magnetic instructions" for more info.
- Brown/White wire is used for retard input. See Crane instructions for more info.
- Green wire is used to hook up tachometer. The picture above shows a normal aftermarket tachometer hookup. If you are using the stock tachometer then you will splice it into the tachometer lead from your old igniter.
- Check ignition timing advance after installation to be sure polarity is correct. If no advance is seen check distributor polarity.

