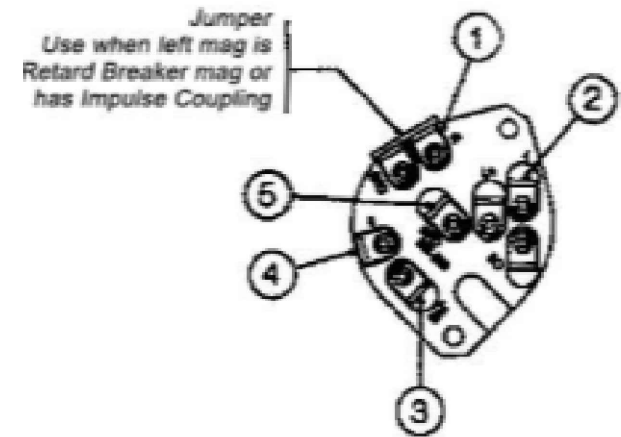
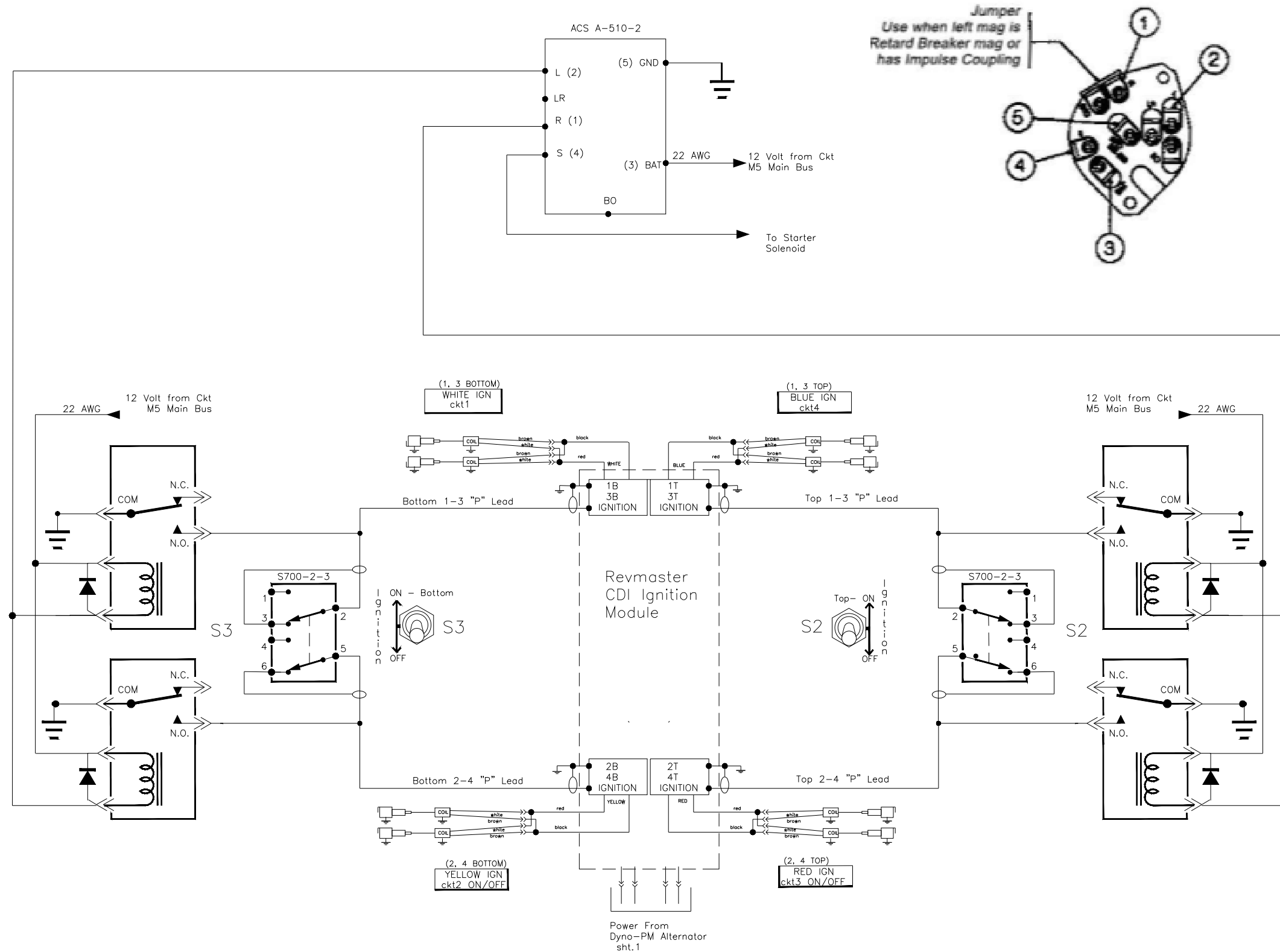


# Aircraft Spruce ACS A-510-2 Ignition Switch Connection



## Notes on Ignition from Revmaster R2300 manual

Unlike most magnetos which contain one coil, the Revmaster CDI contains eight high tension coils which are shielded and positioned at the spark plug, thereby eliminating 25 feet of high voltage plug harness.

If the coil fails on a standard magneto, the system will lose four spark plugs out of eight. If the Revmaster CDI has a coil failure, only one plug is affected. If one circuit out of the four fails, two plugs are affected in opposite cylinders.

The flywheel assembly contains twelve neo-35 special cast magnets and a ring gear for the starter. The magnets provide the energy for the alternator and ignition via the stator. The alternator weight is in the flywheel, thereby assisting the engine to run smoothly without the normal maintenance of belt driven alternators.

Run up procedure and diagnostics:  
 Ground circuits 1&2, Engine will run on top plugs only.  
 Ground circuits 3&4, Engine will run on Bottom plugs only.  
 Ground circuits 1, 2 & 3, engine will run rough on 2 cylinders, 1T & 3T. If 1T or 3T is defective, Engine will not run on one cylinder.

Grounding any three circuits will check the remaining circuit. Circuit checks can be done at 1200 -1500 RPM.

Warning: DO NOT LEAVE ANY CIRCUITS GROUNDED FOR EXTENDED PERIOD OF TIME WHILE ENGINE IS RUNNING.