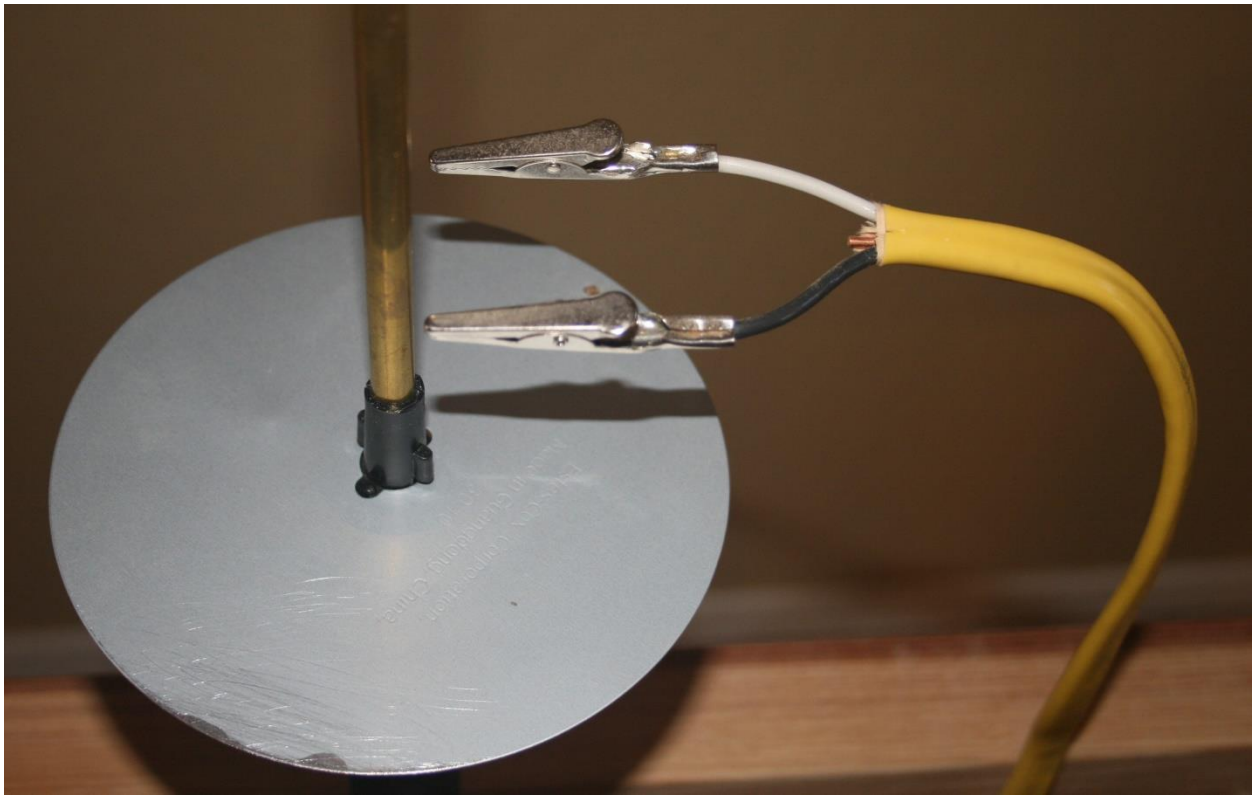
Eliminate Continuity Failures at Launch Time

Hold the Presses!! Attention all BARs and Ships at Sea! The Arizona Rocket Factory (ARF) has spent tremendously minimal amounts of time to research and perfect the connection to the Ignitor leads from the Launch Controller to ELIMINATE continuity failures at the time of launch! How would you, the appreciated Reader, like to spend just pennies and get a louder Waahoo factor, out of each Launch?

Nobel Peace Prize, here we come!!



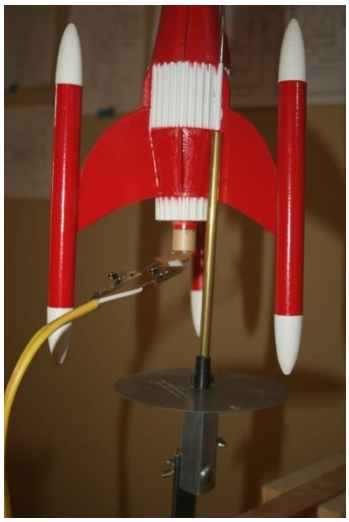
"If One stares at something long enough, peculiar ideas coalesce together and what our brilliant minds conjure up, could become quite a remarkable solution." This design concept is based upon the mechanical property of Malleability due to the nature of soft copper solid wire conductors for this application. Metallic malleability before the onset of work hardening is a highly desirable characteristic! The solid wire conductor ARF chose to experiment with, is nothing more than contemporary house electrical cable that's readily available with zero complexity. No costly industrial tools needed nor Big Brothers authorization to contend with. This is the beauty of the project, minimal cost and no intervention stress!

Without further ado, let's dive into the minutia details of this impressively simple solution. Basically what you'll fabricate using a three wire conductor say, eight to ten inches in length depending upon how your Launch Pad is designed. Strip away an inch or two of the outermost insulation. Snip off the bare copper ground wire on both ends to reduce interference with the next step of attaching Alligator Clips.

Strip off the white and black insulation from both ends of the solid conductors and leave at least one inch of bare conductor exposed. Using two chrome plated Alligator clips, crimp the Alligator clips onto the leads that will be used to attach to the ignitor leads. Once that is complete, fire up the Soldering Iron, warm up the crimped section to ensure the solder and the Leads bond together thus ensuring a satisfactory path between the conductor and the Alligator clip. Be generous with the solder without making a mess. Using chrome plated Alligator clips is highly recommended because the grey exhaust residue will not stick as easily, thus the need to sand off the Alligator clips between each launch is reduced.

In this Figure you'll observe that the clamps are of Aircraft quality that I happen to have in my miscellaneous hardware box. Obtain two similar clamps small enough to hold the lead in place yet, with enough wiggle clearance to allow you to rotate lead 180 degrees or simply bend the Lead over if you have two Launch Rods on your Pad. Observe the bottom end of the Lead, this is where One will connect to their Launch Controller output Leads, and may want to apply a little sanding prior to the first launch to ensure electrons will flow in the intended direction. However, since we happen to be a rather clever lot, I would suggest adding more practical connecters to improve upon this basic design. May I point out one last detail that you'll love, observe the Brass Tubing that acts as a Stand Off to enable your Rocket stand up a little taller to further away all conductive materials. Rejoice in understanding of all of these tiny and frustrating elements Murphy throws in our paths, can now be overcome!!

In these last Figures, with Valentine on the Pad, examine closely how this completed installation will resolutely keep each Ignitor Lead apart aaand away from the Blast Deflector in addition to the Launch Rod! Bonus!!
It doesn't get any better than this! LET FLY!!



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