

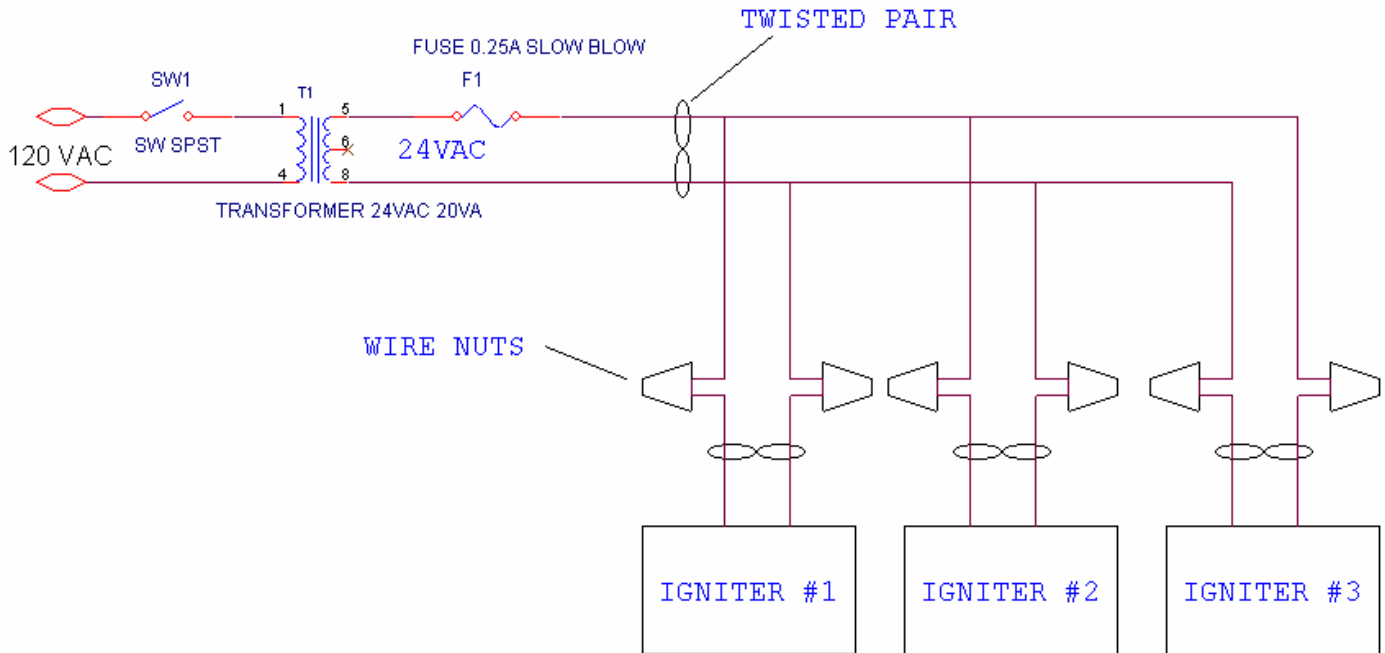
KNIGHTLIGHTER HOOK-UP INSTRUCTIONS FOR (PRE 2008) 24 VAC POWERED IGNITER

The Model KNA1-24V Igniter shall be connected only to 24vac +/-4vac. **DO NOT CONNECT DIRECT TO 120 VAC.** A transformer is used to convert 120 VAC to 24 VAC. The secondary output of the transformer should be fused with an in-line 0.25 Amp slow-blow fuse for driving up to two igniters on one transformer. A larger fuse may be used for driving more than 2 igniters from an appropriately sized transformer, such as 20VA.

The transformer must be properly connected so that the primary input leads (usually black and white) are connected to 120 VAC; see diagram below. Verify that the transformer output voltage is 24 +/-4 VAC before connecting to the igniter power input leads. Each igniter requires only 100 mA at 24 VAC. NOTE: If transformer has a center tap, do not connect.

RECOMMENDED AC POWER HOOKUP:

MODEL: KNA1-24A-S HOOKUP DIAGRAM



Verify that neither 24 VAC input power lead is shorted to chassis ground.*

*The igniter power input circuitry has been designed to protect the igniter against improper hook-up. It will withstand a short; however, the igniter will not work until it is properly powered without any shorts to chassis or earth ground. If the 24 VAC lead has been shorted, the igniter will shut down to prevent damage. The short must be cleared and 24 VAC power verified before powering up again. **This modification will not protect against hook up to 120 VAC or hooking the transformer up backwards; doing this will damage unit and void warranty.**



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