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Time Delay Relay

For Scientific Atlanta® Slimline Housings

The original SA 279660 power pack was manufactured to support the older silicon based RF hybrids. These units were not built to handle the higher in-rush current required to power today's state of the art GaAs hybrids. These power packs employed a current limiting mode to protect the power supply from over current damage. The installation of the time delay circuit allows the older power supply to operate correctly with the new GaAs Hybrids.

Figure 1 illustrates the standard wiring harness and connection to the SA 279660 power pack.

Figure 2 demonstrates the time delay circuit installed correctly. The time delay is installed by unplugging the lower power pack power plug and then installing this power plug into the appropriate time delay slot. The other end of the time delay will then install back into the lower power plug of the power pack.

Figure 3 demonstrates the correct positioning of the time delay after installation.

If a power brown out occurs and the DC voltage drops below +18 volts from the power pack, the relay will reset to the off position. When power is restored and the DC voltage exceeds 18 volts, the time delay will allow voltage to pass to the amplifier. This ensures that the power pack will not go into current limiting protection mode.

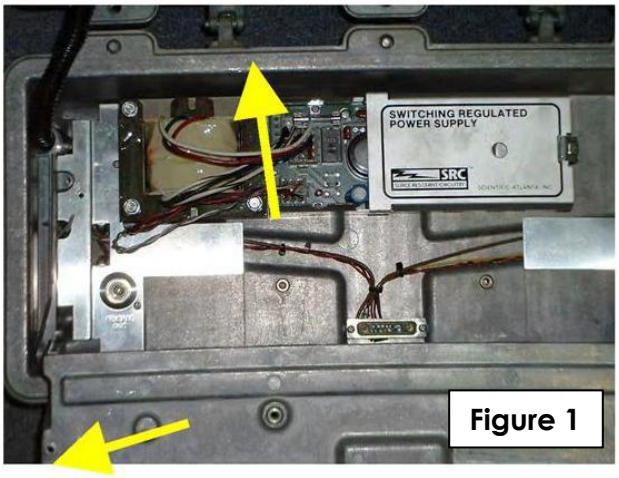

Figure 1

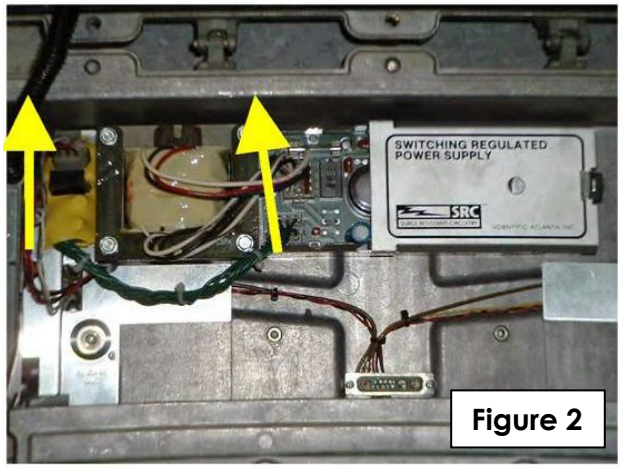

Figure 2

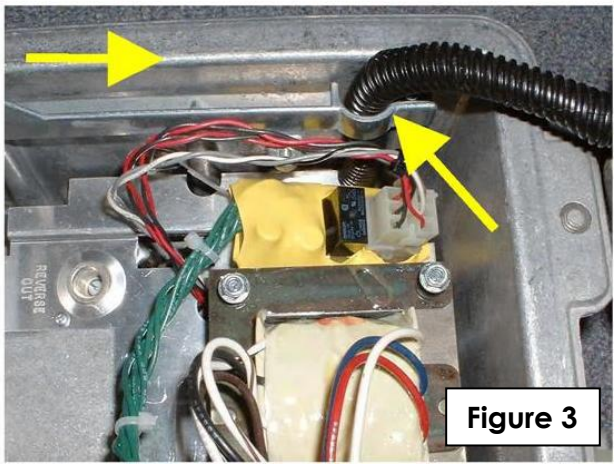
Figure 3