

CLAS12 Coil Curing Checklist (v2.0)

→ Before the coil is moved into the curing box.

- Cut the epoxied/damaged thermocouple tip; re-twist, form.
- All thermocouples read temperature at their junction point.
- All thermocouples are installed according to the schematic.
- The power is off and the Power Supply is appropriately LOTO.
- The Switch inside the PLC box is in TX for voltage feedback from the transmitter.

→ In the curing box.

- Connect thermocouples to their readout: 1 .. 4 PLC, and 5 .. 7 hand-held device.
- The thermocouples lay flat onto the surface, and read room temperature.
- Connect: **Ground Wire, Power Leads and Voltage Taps.**
- The Coil Power Leads are insulated and go to their designated Power Supply.
- The Extension Cables to the Power Supply are securely tie-wrapped and tagged.
- Start and Reset the Main Controller and assure **“Ready”** (LED Light).
- Assure of the coil resistance value and enter it in the HMI (per OP-464142).
- Test the emergency chain.
- Press the HMI **“Start”** push button, the system starts at low power.
- Pressing the HMI black push button allows for precise resistance readout.
- Press the HMI start until the system is running at the designated curing step.