

# Installer's Guide

## BAYCAKT002AA SmartCharge™ Tool

Specifications: **R-410 A**  
**24 Volt AC**

### ⚠ CAUTION

**DO NOT CONNECT BACKWARDS.**

### ⚠ CAUTION

**HOSES WILL CONTAIN REFRIGERANT THAT  
WILL BE UNDER PRESSURE.**

**IMPORTANT**—This tool was designed to assist in properly charging a Link™ equipped Air Conditioning or Heat Pump system with refrigerant by interfacing with a microprocessor that calculates the system subcooling.

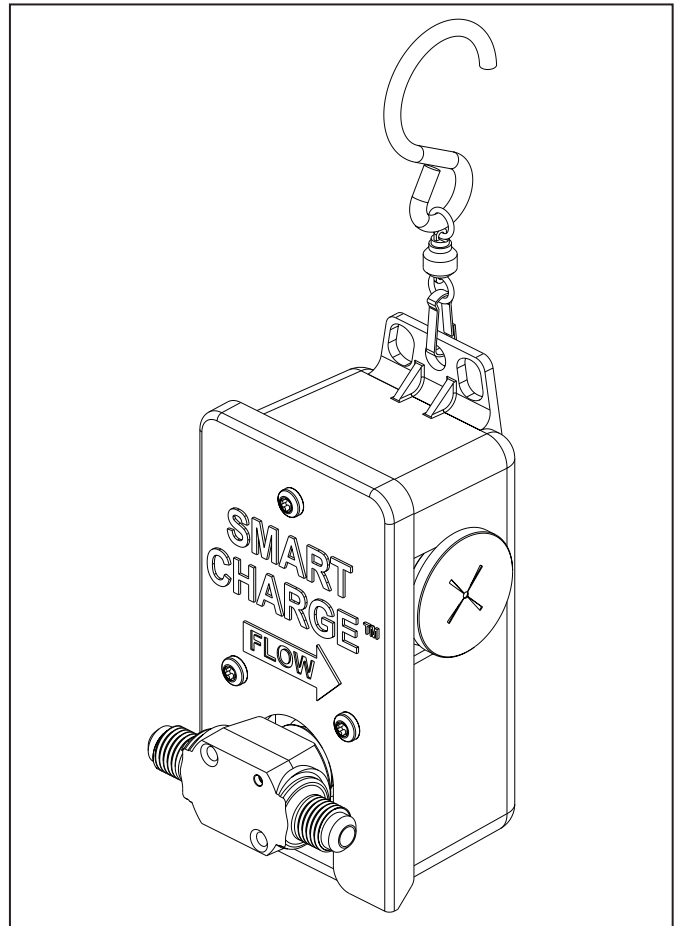
**NOTE:** Device is not intended to charge without at least 50 PSIG of refrigerant pressure or temperatures below 65°F. To be used in cooling mode only.

**NOTE:** The installer must apply 24vac to the Red wire in the Outdoor units low voltage harness.

### Installation Instructions:

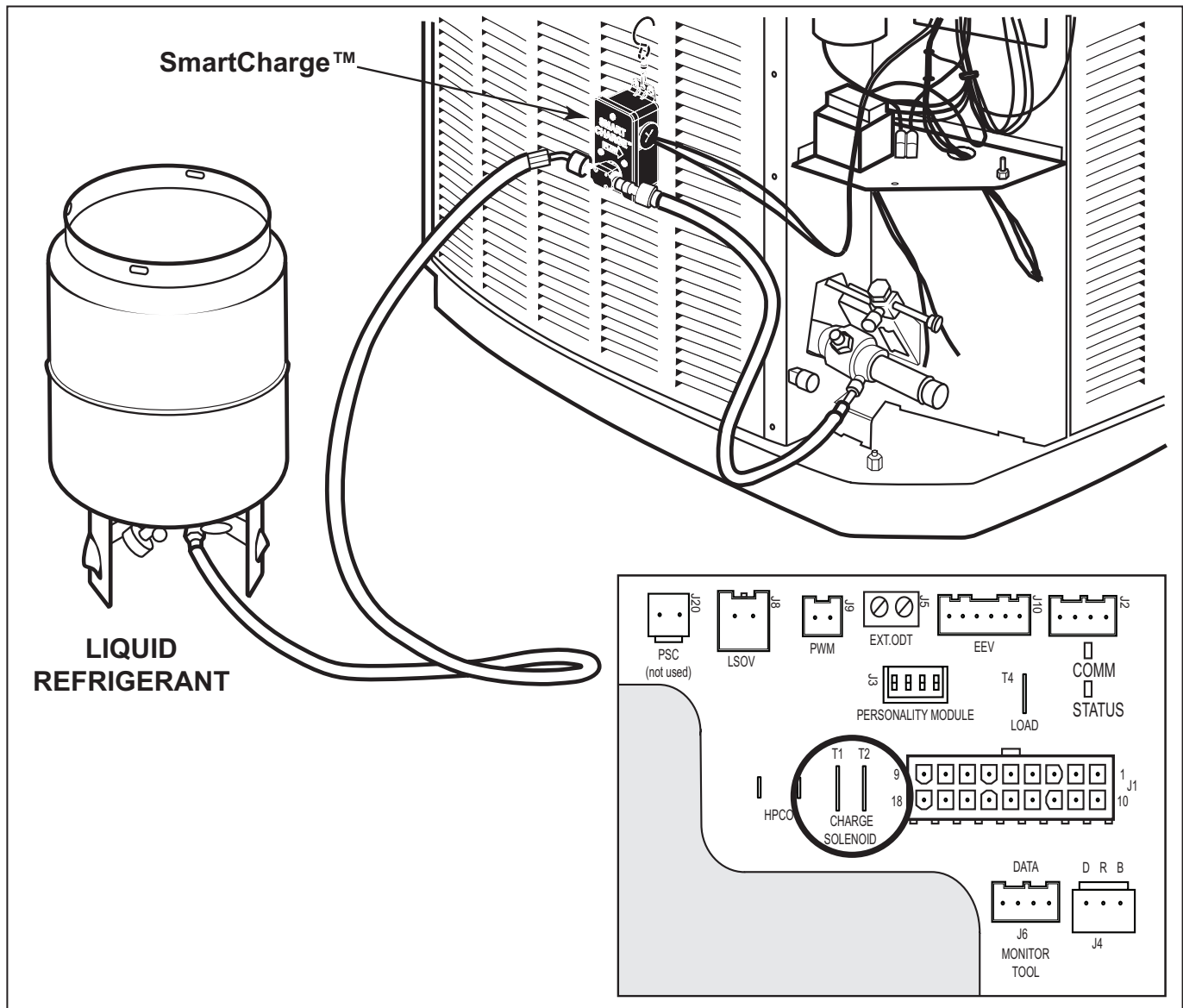
Refer to Figure 2 for the installation of SmartCharge™ Tool.

1. Attach a refrigerant hose from a refrigerant bottle to the inlet side of the SmartCharge™ tool.
2. Open refrigerant bottle to pressurize inlet hose. Purge hose by loosening inlet hose slightly at SmartCharge™ inlet connection. Tighten when purge is complete.
3. Attach a refrigerant hose from the SmartCharge™ tool outlet to the Vapor line service port. Unscrew refrigerant hose slightly at the SmartCharge™ outlet connection to purge outlet hose. Tighten when purge is complete.
4. Connect the interface cable from the SmartCharge™ tool to the IVSC at terminals T1 & T2 "Charge Solenoid" location.
5. Open the Diagnostics Mobile app and connect to the system. Choose "Test Modes". Select SmartCharge™ from the top banner.
6. Diagnostics Mobile app will show a status.
7. When the SmartCharge™ procedure is completed, close off refrigerant cylinder and carefully disconnect hoses.



**Figure 1: SmartCharge™ Tool**

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**Figure 2: SmartCharge™ Tool Installation**

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