

Installer's Guide

BAYCAKT002AA SmartCharge™ Tool

Specifications: **R-410A or R-454B**
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. Verify that the solenoid flow arrow is pointing in the direction shown in Figure 1.
2. Attach a refrigerant hose from a refrigerant bottle to the inlet side of the SmartCharge™ tool.
3. Open refrigerant bottle to pressurize inlet hose. Purge hose by loosening inlet hose slightly at SmartCharge™ inlet connection. Tighten when purge is complete.
4. 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.
5. Connect the interface cable from the SmartCharge™ tool to the IVSC at terminals T1 & T2 "Charge Solenoid" location.
6. Open the Diagnostics Mobile app and connect to the system. Choose "Test Modes". Select SmartCharge™ from the top banner.
7. Diagnostics Mobile app will show a status.
8. When the SmartCharge™ procedure is completed, close off refrigerant cylinder and carefully disconnect hoses.

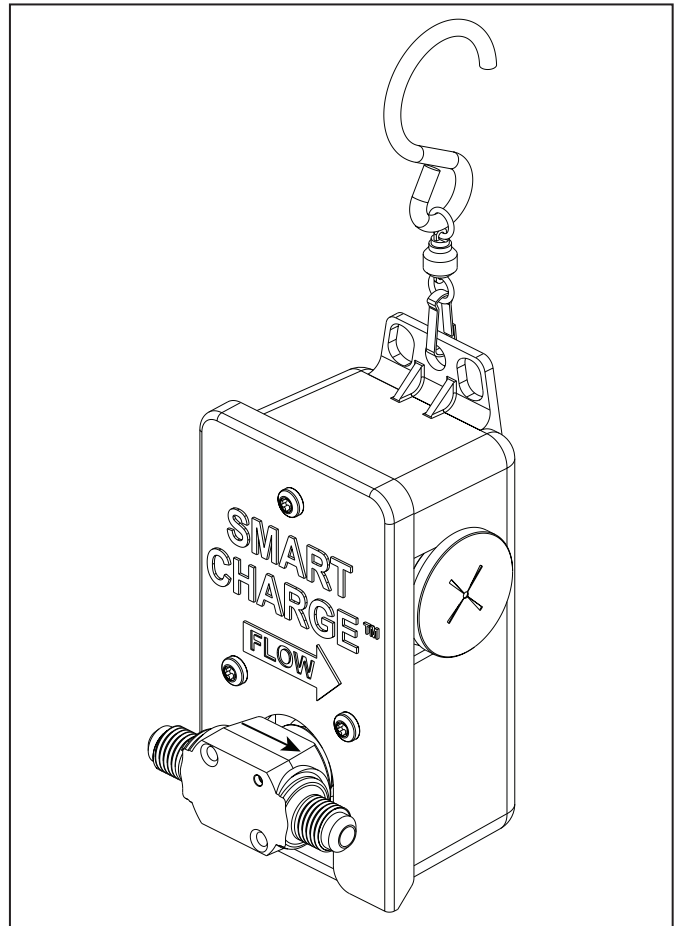


Figure 1: SmartCharge™ Tool

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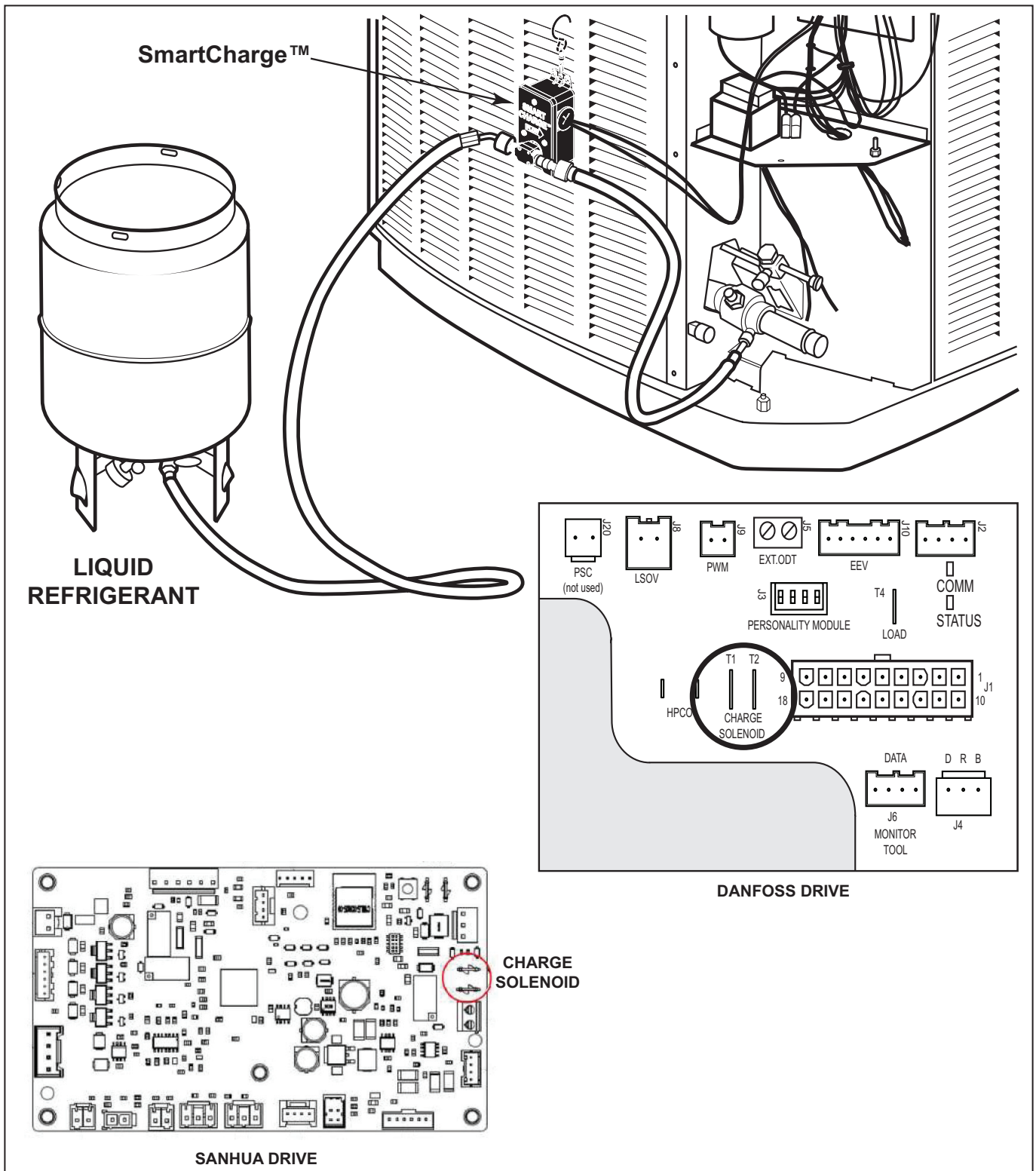


Figure 2: SmartCharge™ Tool Installation

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