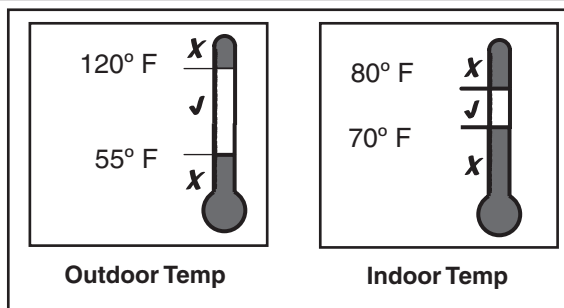


Charge Assist™ Quick Instructions

For detailed Charge Assist™ instructions, see the equipment Service Facts.

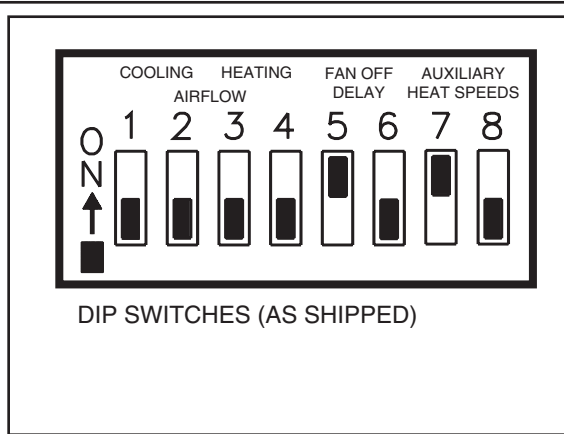
Section 1 - Before Adjusting System Charge

STEP 1a - Verify that the outdoor temperature is between 55°F and 120°F and the indoor temperature is between 70°F and 80°F. Add system heat if needed.



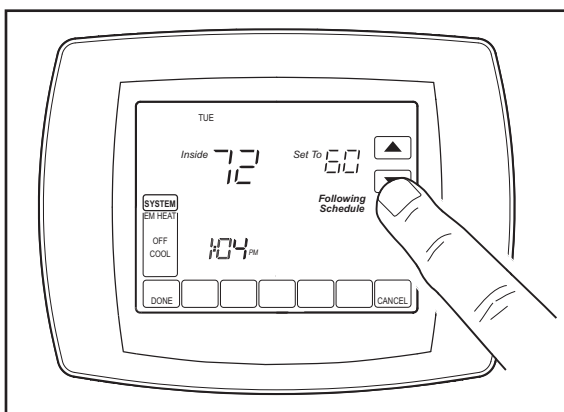
STEP 1b - At the indoor unit, set the dip switches for the appropriate system size and airflow.

Note: If using a communicating comfort control, these settings will be auto-configured.



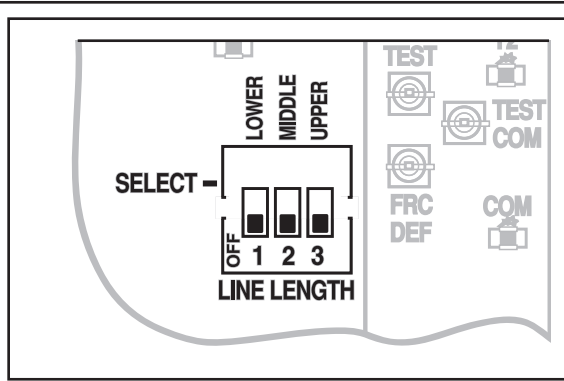
STEP 1c - Set the indoor system control to call for second stage cooling throughout the charging process.

Note: If using a communicating comfort control, this step is not required as the system will perform this task once Charge Assist™ mode is started.



STEP 1d - At the outdoor unit, set the Charge Assist™ dip switches as determined from the appropriate charging correction table found on the next page.

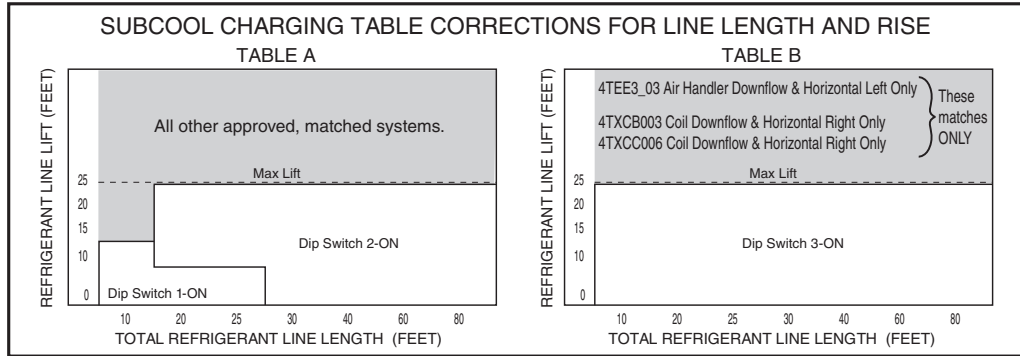
STEP 1e - If using the Charge Assist™ tool BAYCAKT001AA (solenoid kit), go to page 4, Section 3. If no Charge Assist™ tool BAYCAKT001AA (solenoid kit) is used, continue to page 3, Section 2.



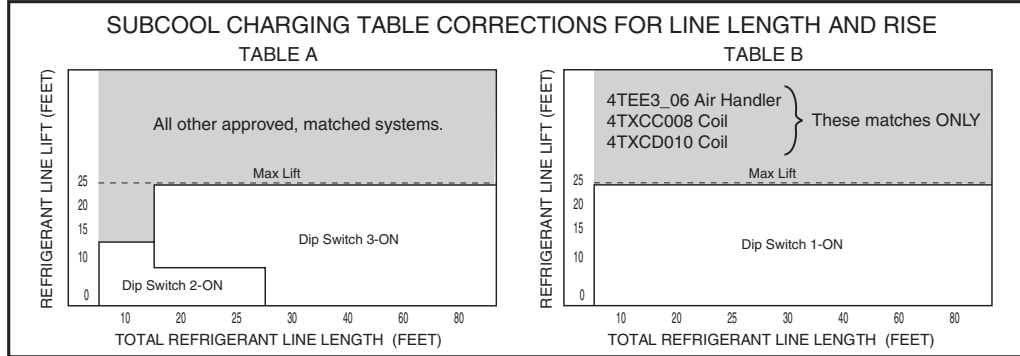
SUBCOOL CHARGING TABLE CORRECTIONS

20 SEER

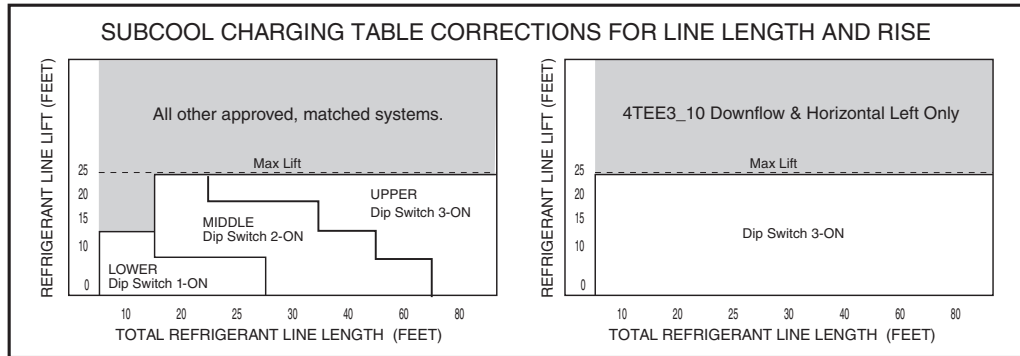
**2-TON HP
MODEL
ONLY**



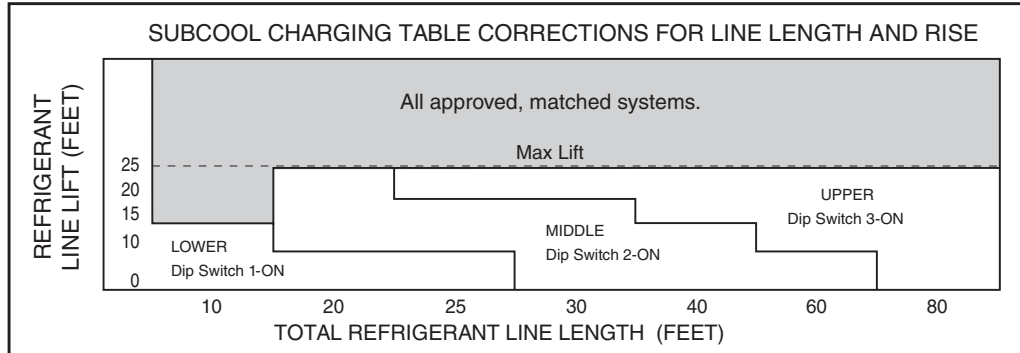
**4-TON HP
MODEL
ONLY**



**5-TON HP
MODELS
ONLY**

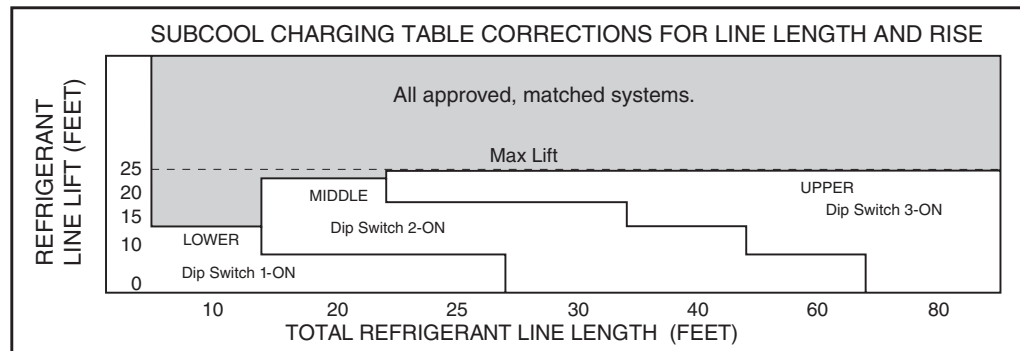


**ALL AC
MODELS
AND 3-TON
HP MODELS**



16 SEER

**ALL AC
AND HP
MODELS
ONLY**

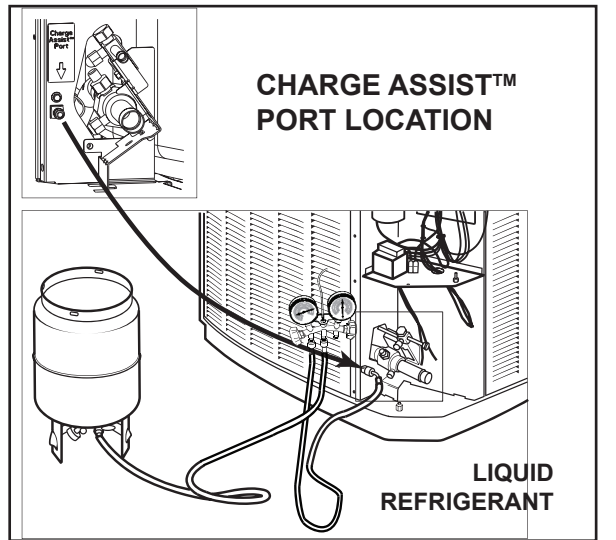


Section 2 - Adjusting System Charge WITHOUT Charge Assist™ tool BAYCAKT001AA (Solenoid Kit)

STEP 2a - Hook-up gauges to the refrigerant bottle and the Charge Assist™ port.

Important: Purge refrigerant lines during hook-up.

Note: Charging set-up should be for liquid refrigerant.



STEP 2b - Start Charge Assist™ by pressing the MODE button for a minimum of 2 seconds.

Note: To stop Charge Assist™ at anytime, press the MODE button.

STEP 2c - The system may need to run up to 20 minutes to stabilize.

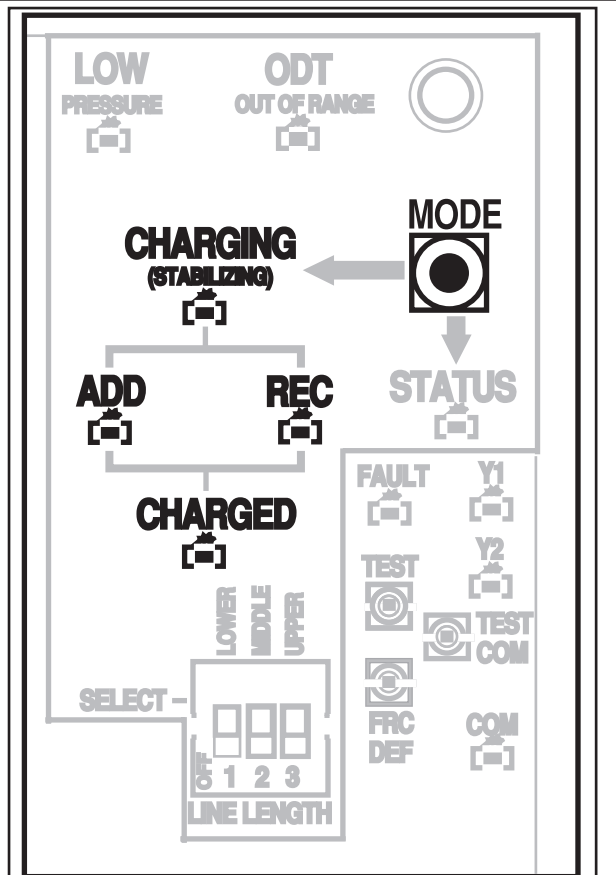
Note: During system stabilization, the STABILIZING LED will flash.

Note: If the system has been running, it may go straight to Step 2d.

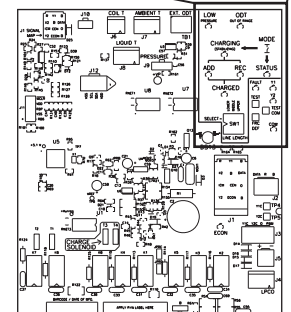
Note: For communicating systems that have not been running, the low stage compressor will run for one minute and then turn off. After one minute (inter-stage delay), the high stage compressor will start and the stabilization routine will begin.

STEP 2d - Once the system has stabilized, review the CHARGING LEDs to determine what, if any, system charge adjustment is required:

- If the amber ADD LED is on and the CHARGED LED is flashing, then the system is under charged. Add refrigerant until the CHARGED LED turns on (not flashing) and the ADD LED is off.
- If the red REC LED is on, then the system is over charged. The system will stop running and be locked out for one hour. Press the mode button to exit the Charge Assist™ lockout. Refrigerant must be recovered before re-starting Charge Assist™.
- If the green CHARGED LED is on, Charge Assist™ has determined that the system is correctly charged.



**CHARGE ASSIST™
CIRCUIT BOARD
DETAIL**

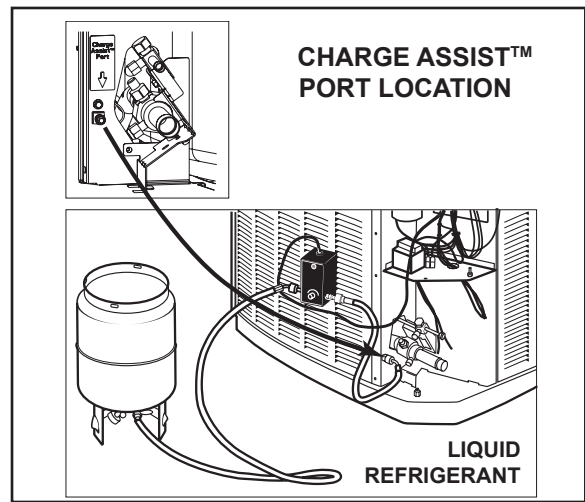
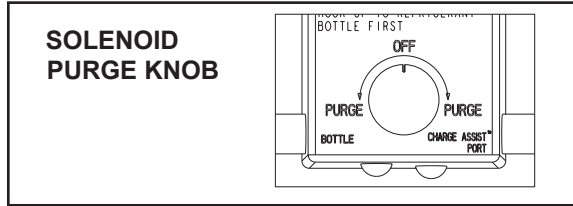


Section 3 - Adjusting System Charge WITH Charge Assist™ tool BAYCAKT001AA (Solenoid Kit)

STEP 3a - Hook-up the solenoid to the refrigerant bottle and the Charge Assist™ port.

Note: Charging set-up should be for liquid refrigerant.

IMPORTANT: Purge refrigerant lines during hook-up. Once purge is complete, be certain to return the purge knob on solenoid to the OFF position!



STEP 3b - Plug in the solenoid to the Charge Assist™ control board.

STEP 3c - Start Charge Assist™ by pressing the MODE button for a minimum of 2 seconds.

Note: To stop Charge Assist™ at anytime, press the MODE button.

STEP 3d - The system may need to run up to 20 minutes to stabilize.

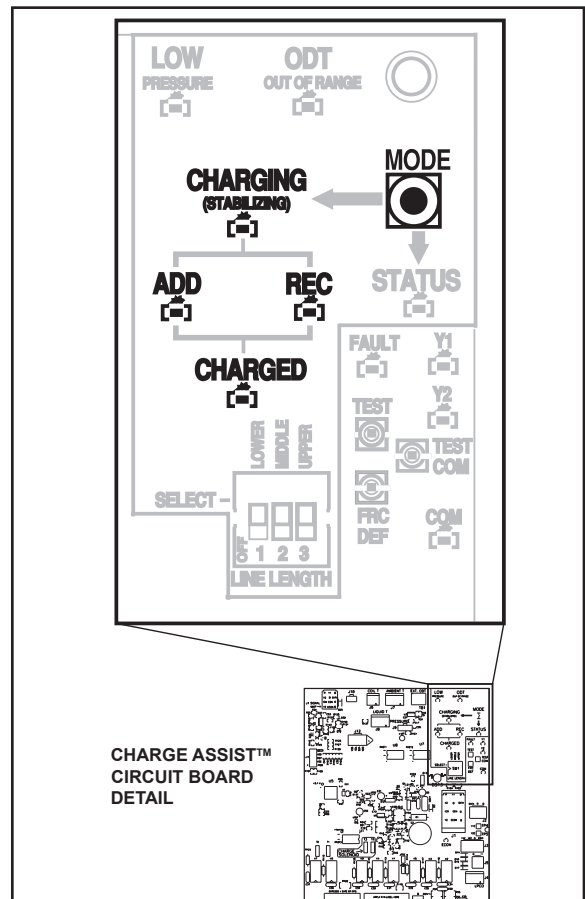
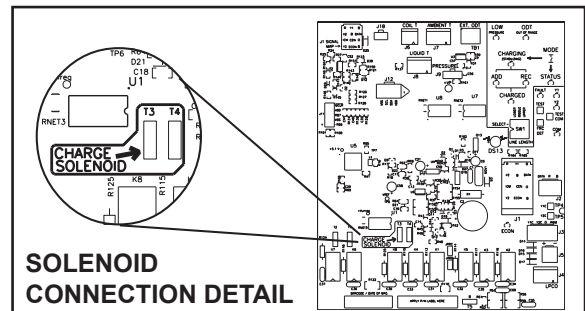
Note: During system stabilization, the STABILIZING LED will flash.

Note: If the system has been running, it may go straight to Step 3e.

Note: For communicating systems that have not been running, the low stage compressor will run for one minute and then turn off. After one minute (inter-stage delay), the high stage compressor will start and the stabilization routine will begin.

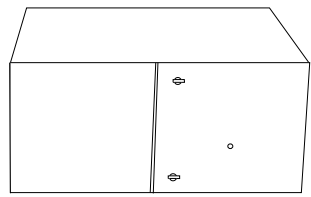
STEP 3e - Once the system has stabilized, Charge Assist™ will do one of the following:

- If charge is required, the solenoid will automatically open to add refrigerant to the system. Once properly charged the solenoid will automatically close. The CHARGED LED turns on (not flashing) and the ADD LED is off.
- If the red REC LED is on – See STEP 2d.
- If the green CHARGED LED is on, Charge Assist™ has determined that the system is correctly charged.

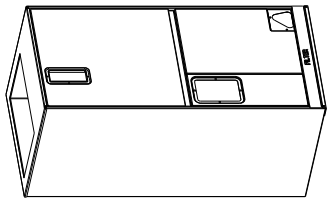


Communicating System

Quick Connection Guide



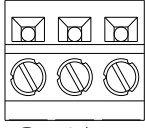
Communicating Indoor Unit
(Furnace/Air Handler)



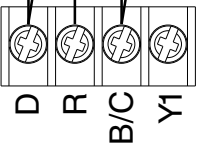
Communicating Outdoor Unit



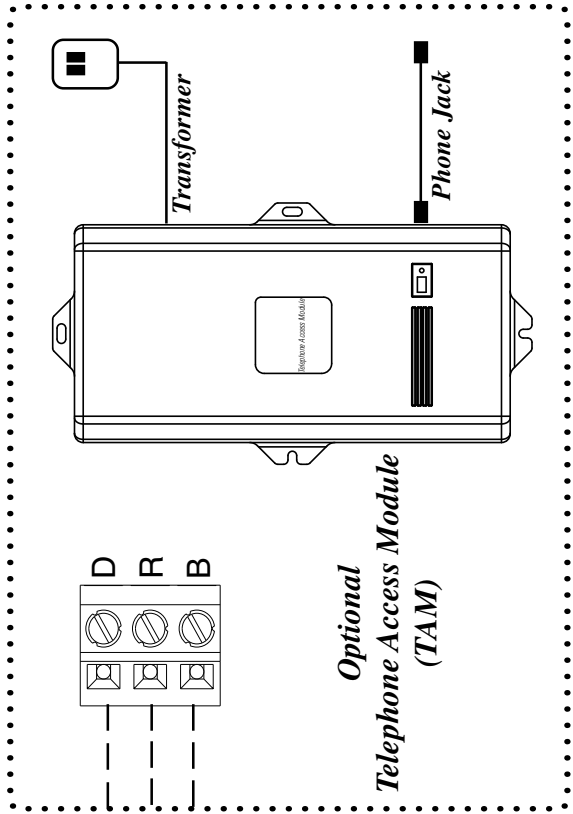
Communicating Comfort Control



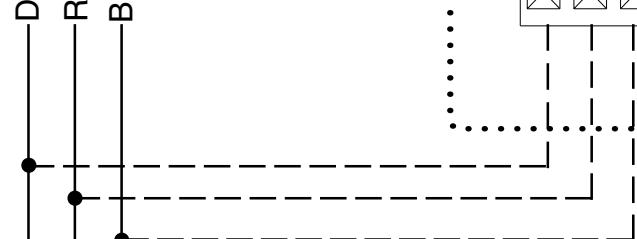
D R B



D R B/C Y1



Optional Telephone Access Module (TAM)



18-HH12D1-2

18-HH12D1-2
08/07

