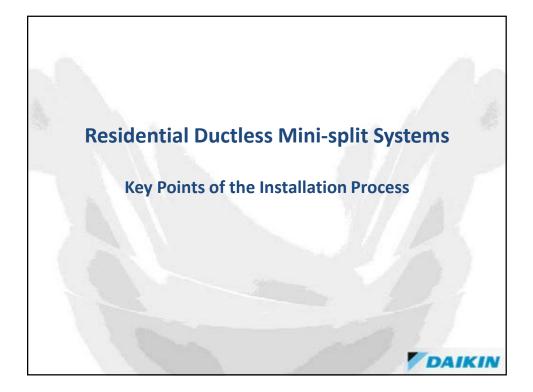


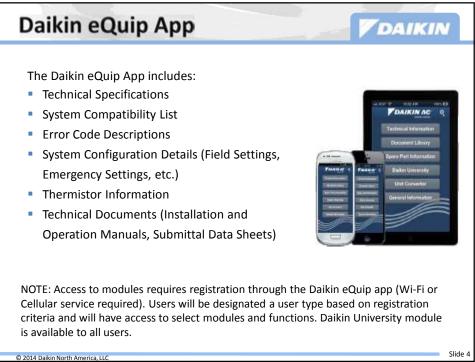
## Daikin SkyAir RZR/RZQ Key Points of Installation

## **Participant Guide**

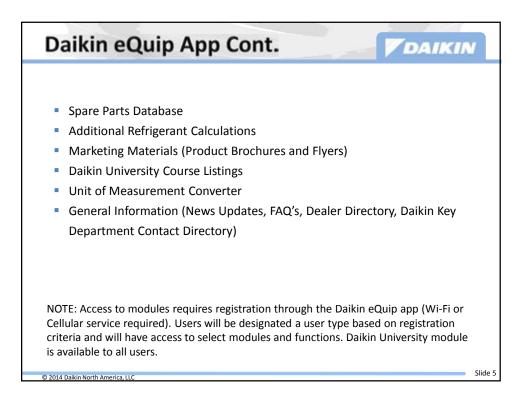








Slide 4

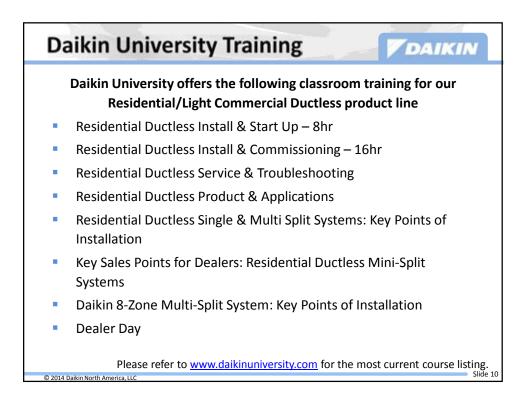


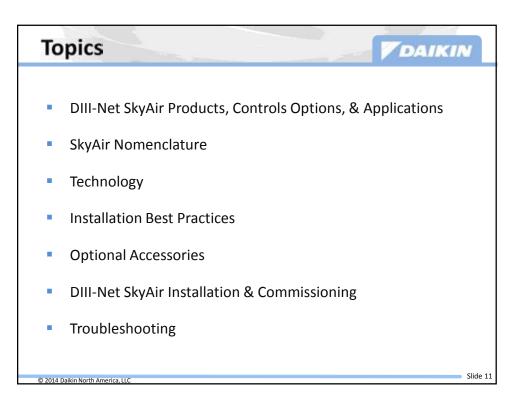




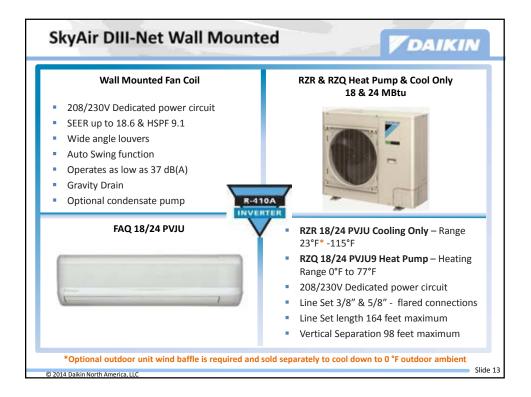


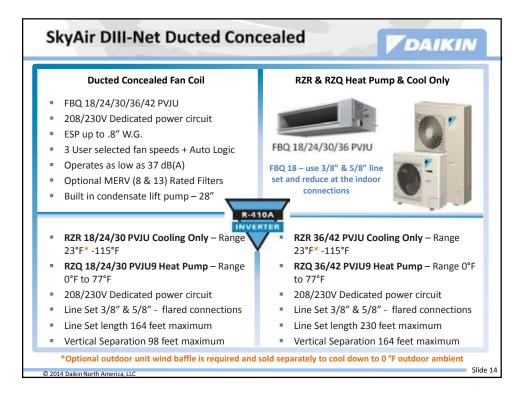


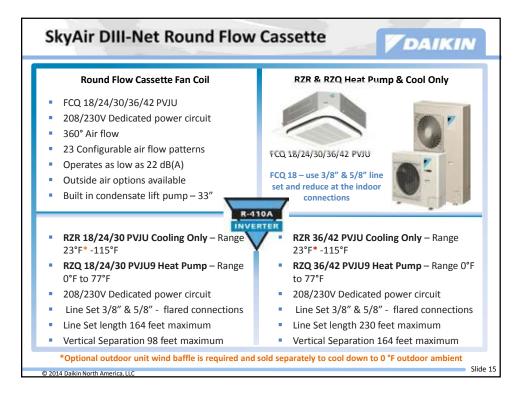


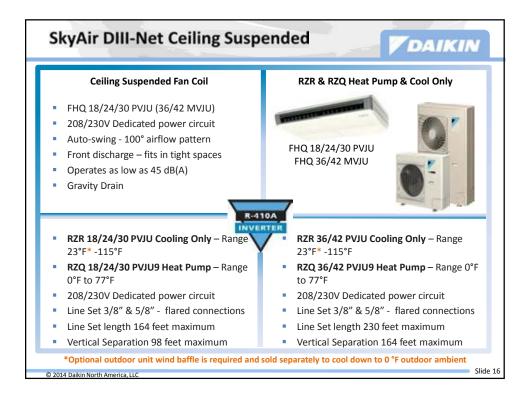


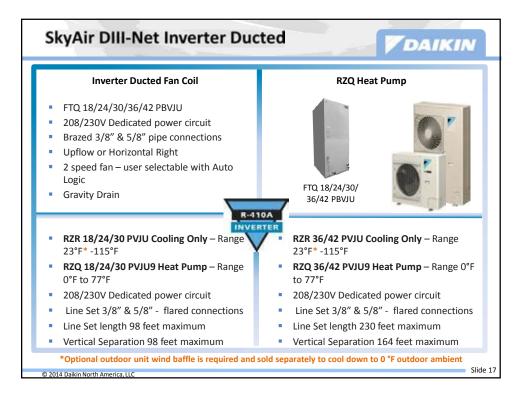


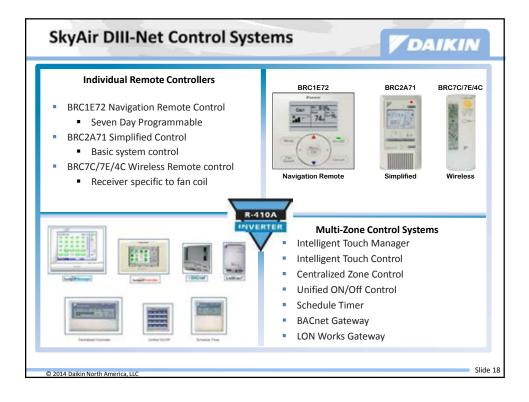


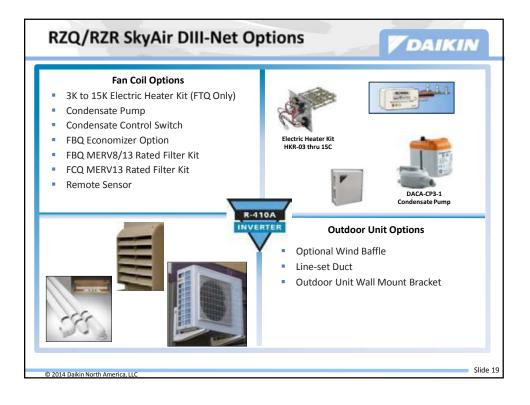




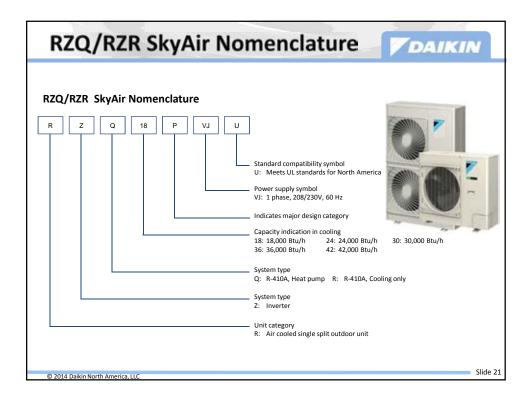


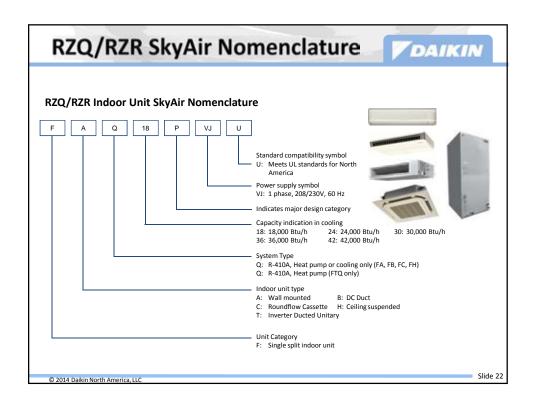




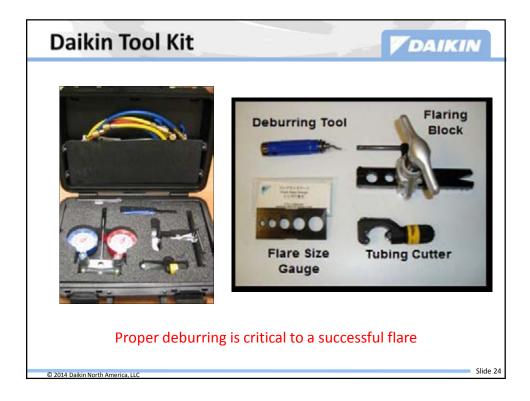


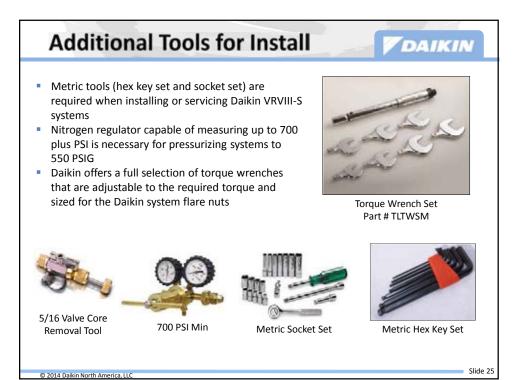


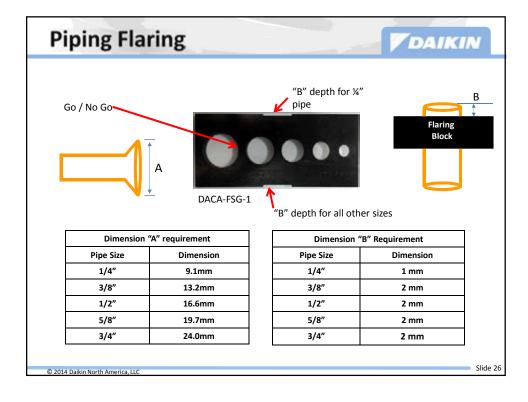






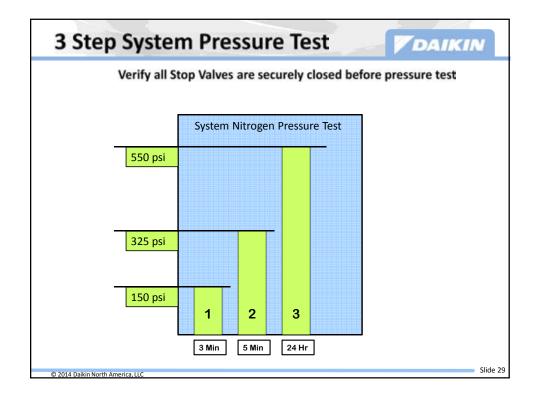


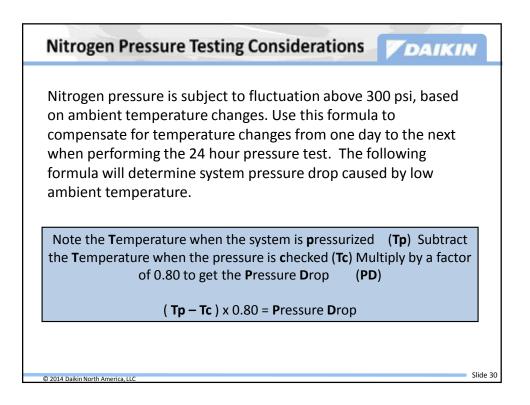


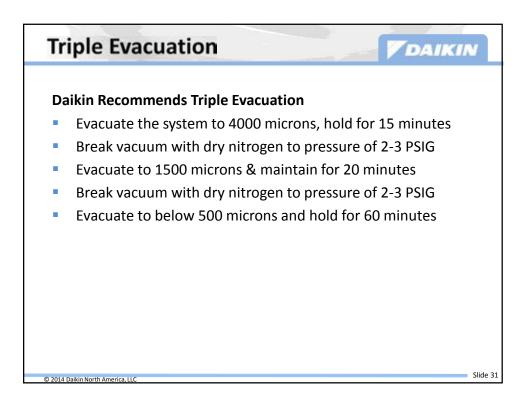


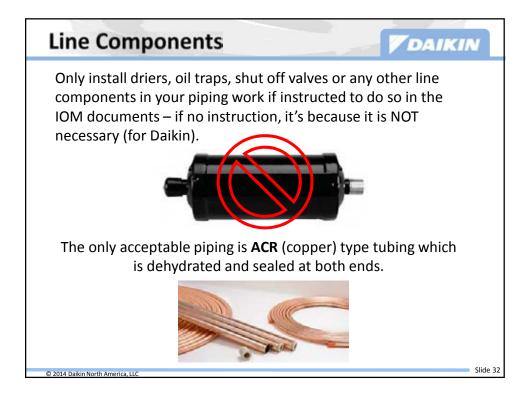
Must use	back up wrench v	when tightening	or loosening flare nuts
	Tightening Torque	2	
	Standard tigh	tening torque	(190 (P))
Flare nut size	Ft/lb.	N/m	
1/4	10.5 - 12.7	14.2 –17.2	
3/8	24.2 - 29.4	32.7 - 39.9	Use only Daikin supplied flare nuts
1/2	36.5 - 44.5	49.5 - 60.3	(shown on left side above)
5/8	45.6 - 55.6	61.8 - 75.4	
	INAPPROPRIA	TE TIGHTENING TOR	QUE Too loose

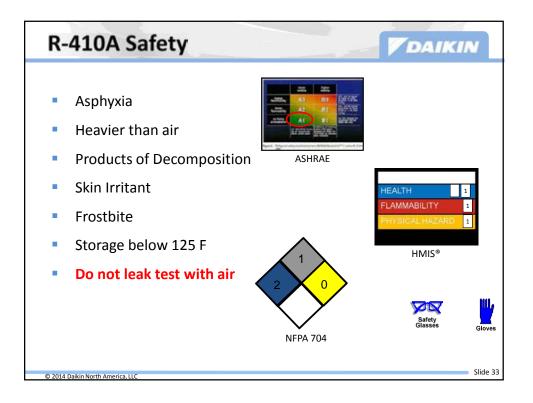


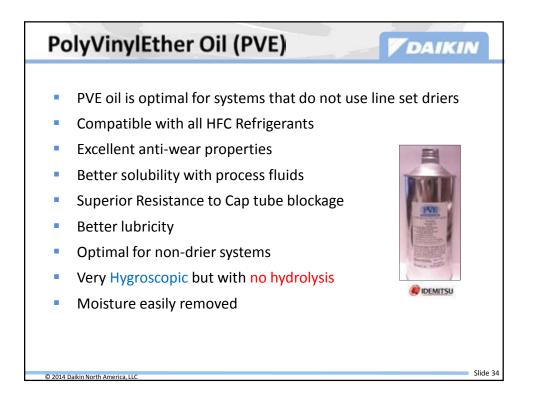


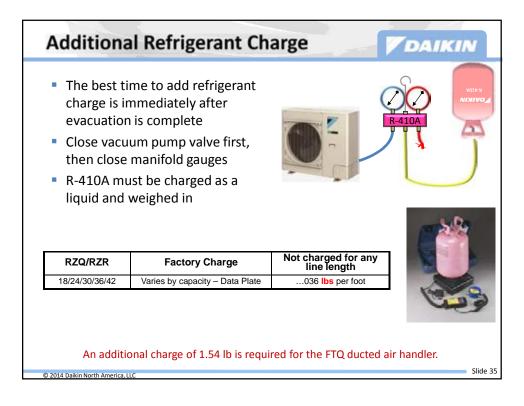








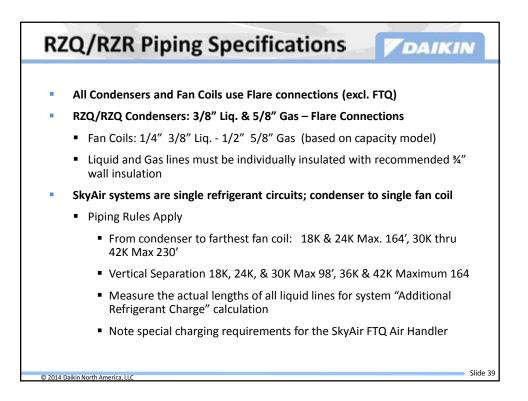


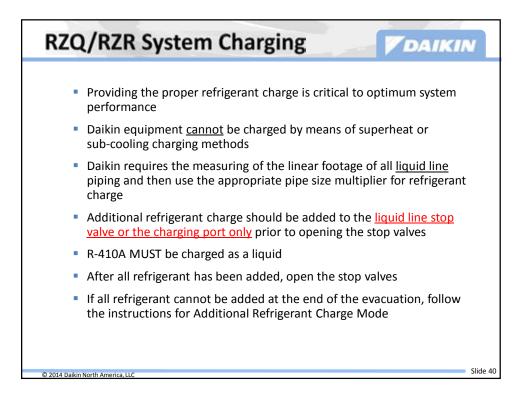


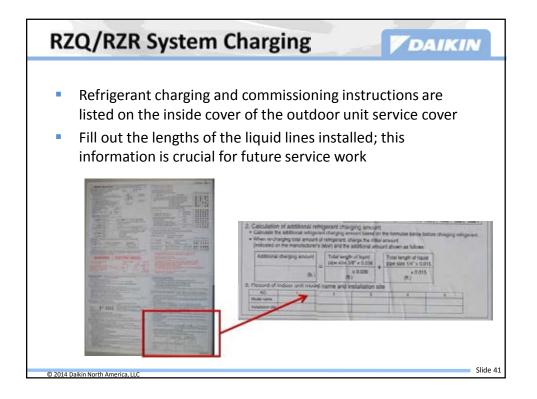


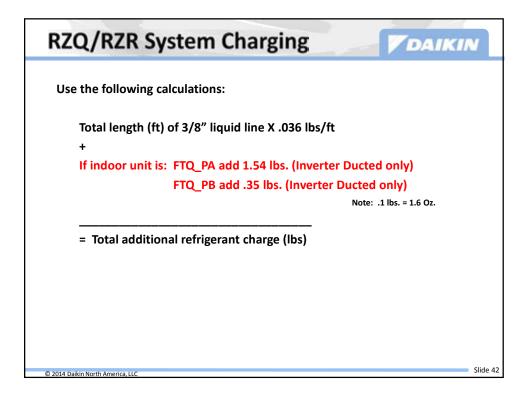


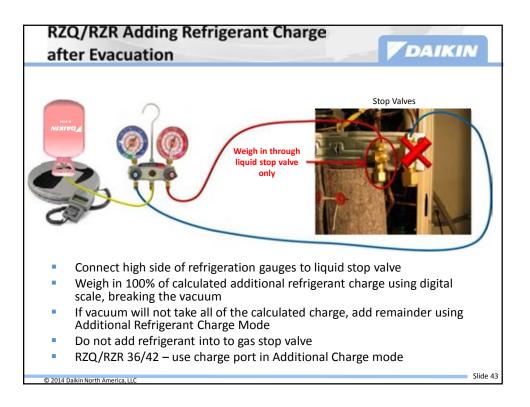
	Maximum Separation (ft)			
Model #	Total Length	Vertical (CDU above FCU)	Vertical (CDU below FCU)	Õ
RZQ18,24,30PVJU	164	98	98	~ ~
RZQ36,42MVJU	230	164	130	
Minimum	5	0	0	



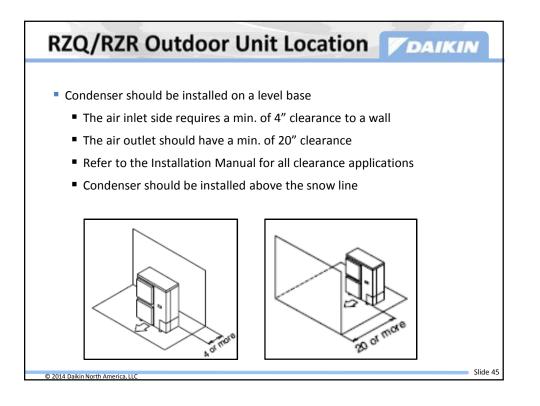


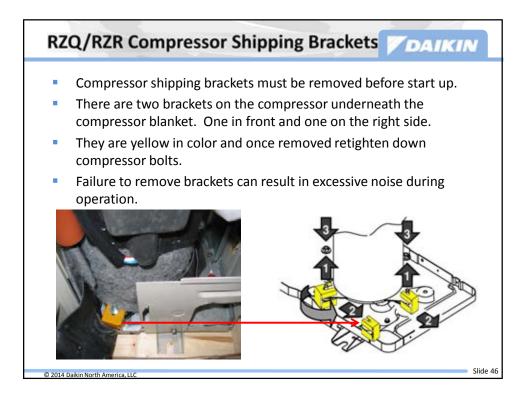


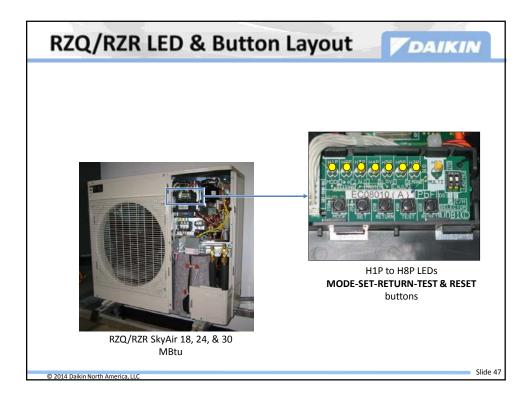


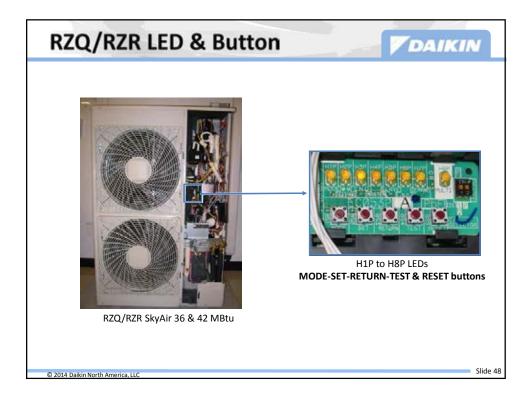




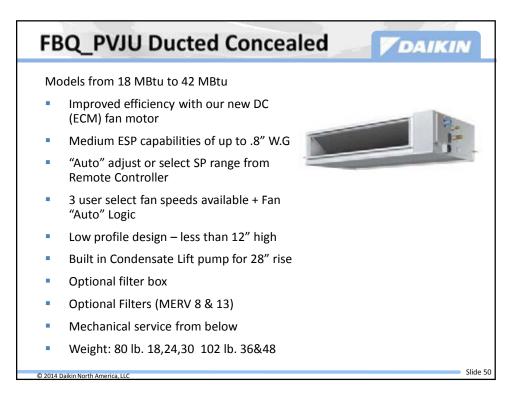


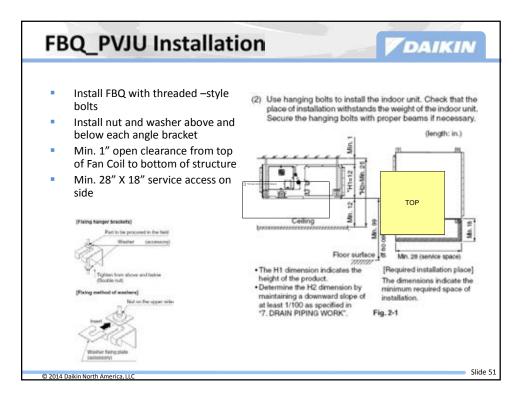


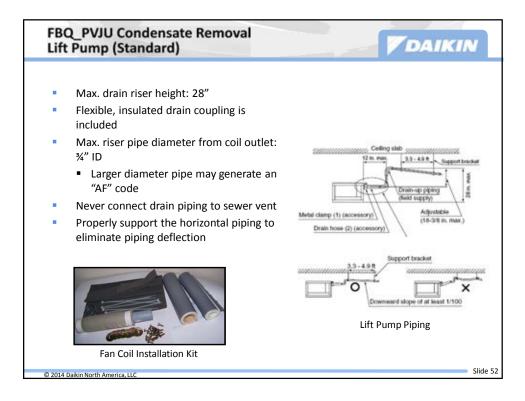


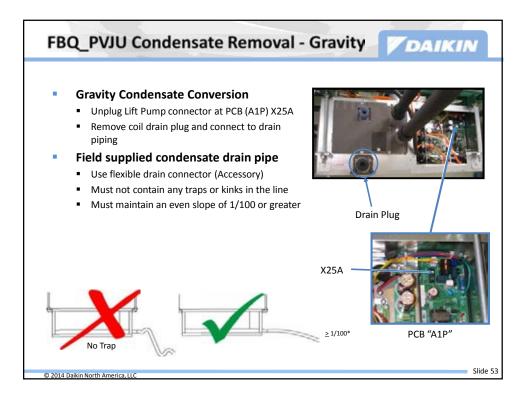


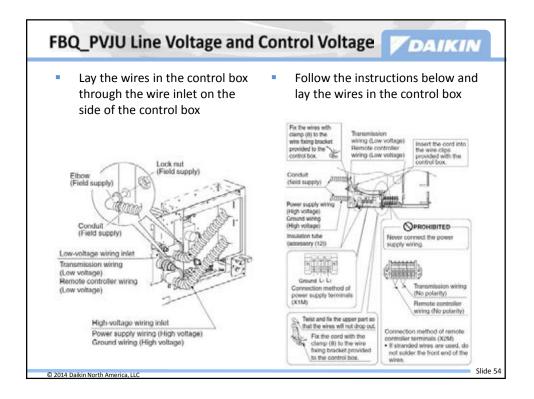




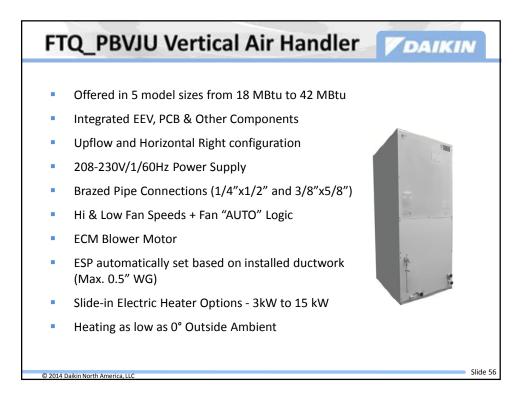


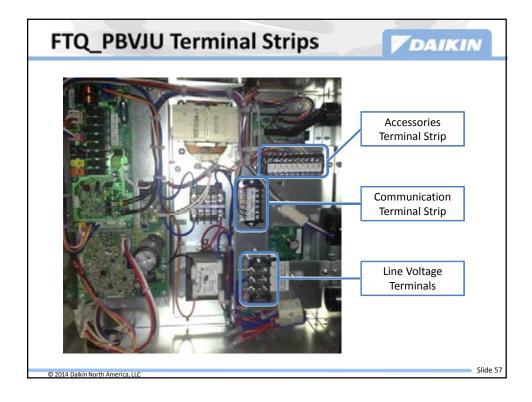


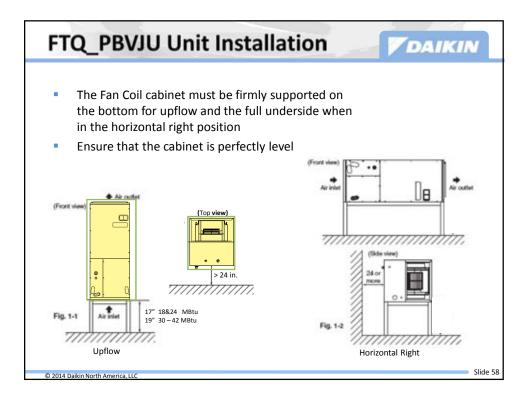


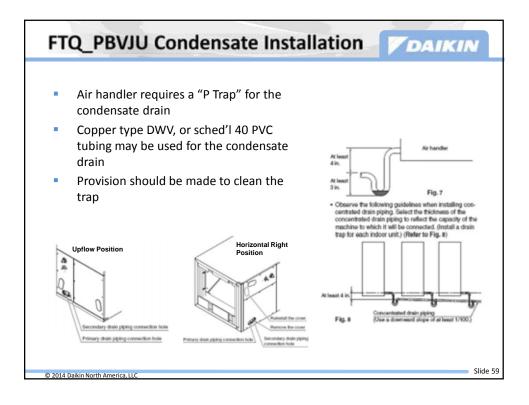


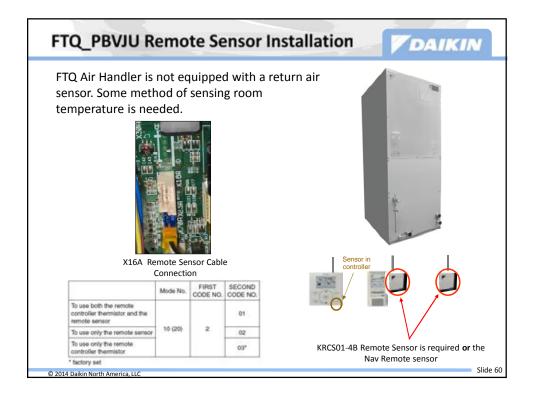


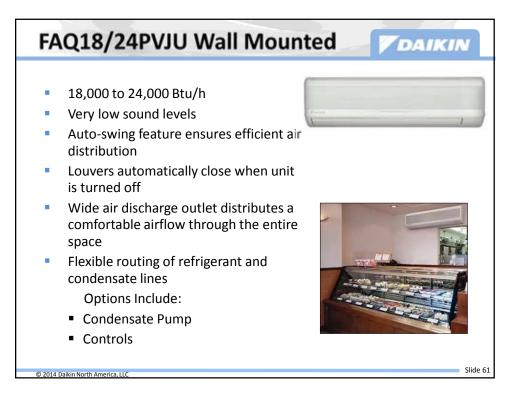


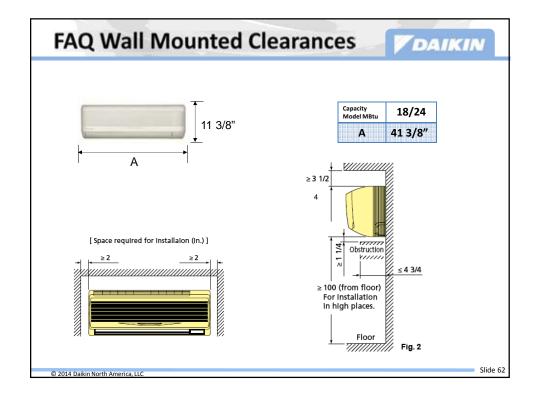


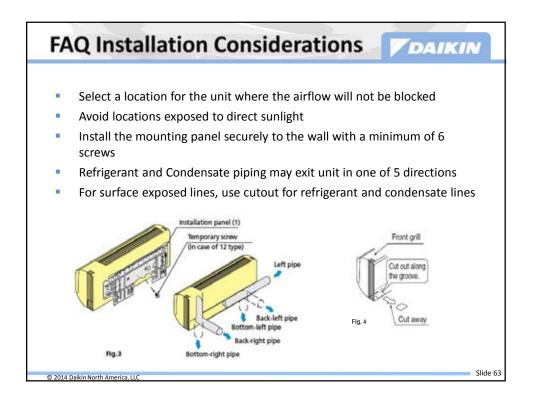






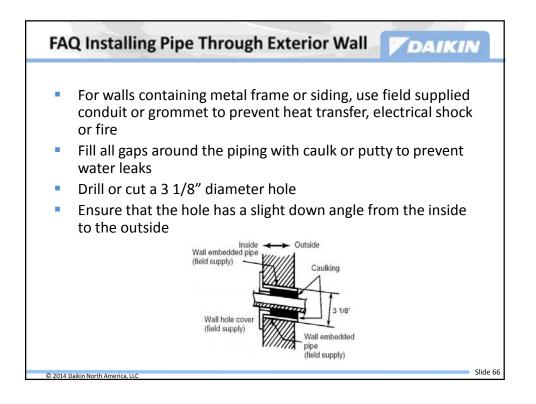




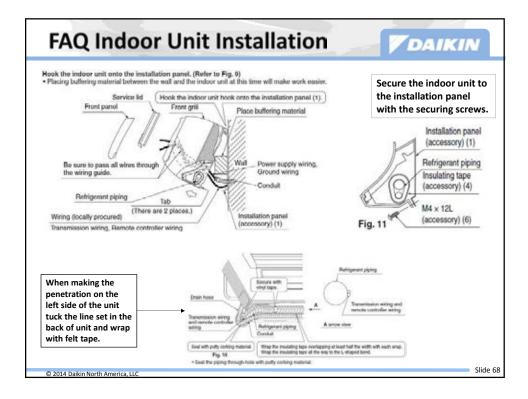


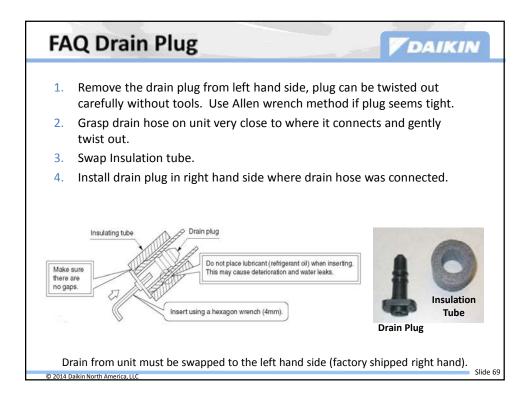




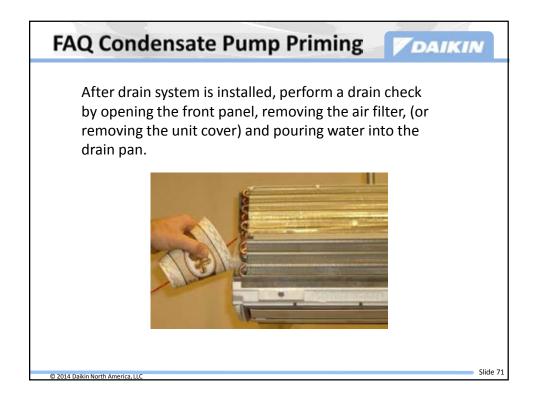


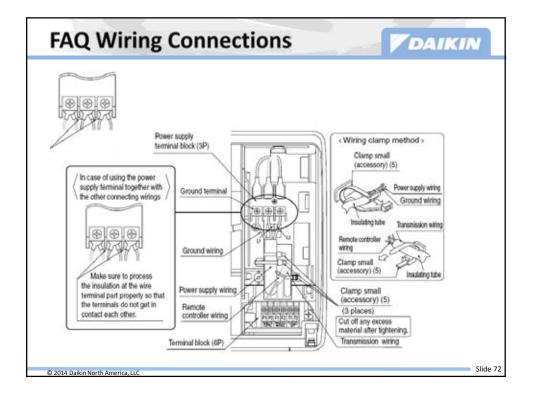


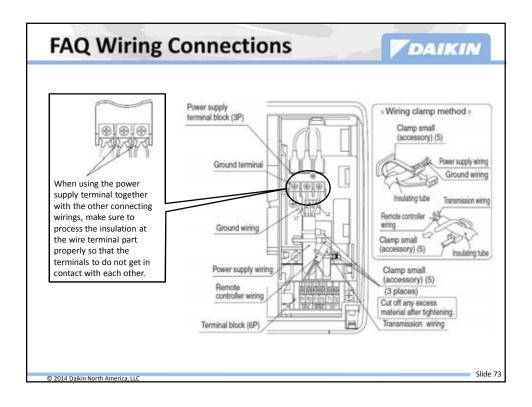


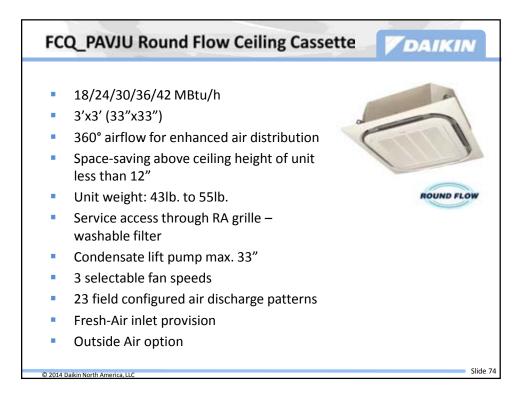


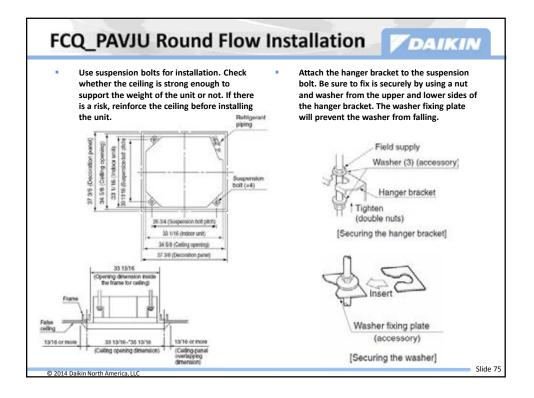


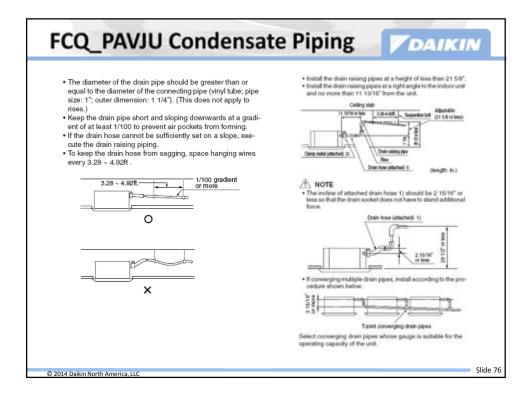




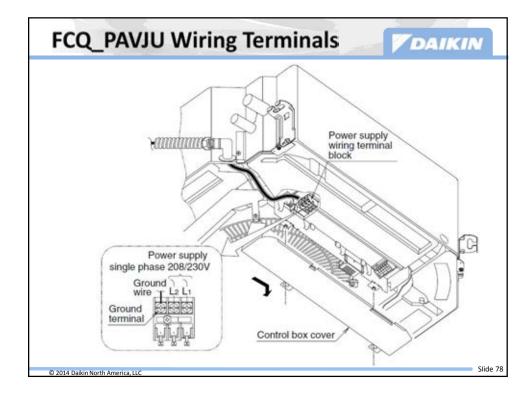


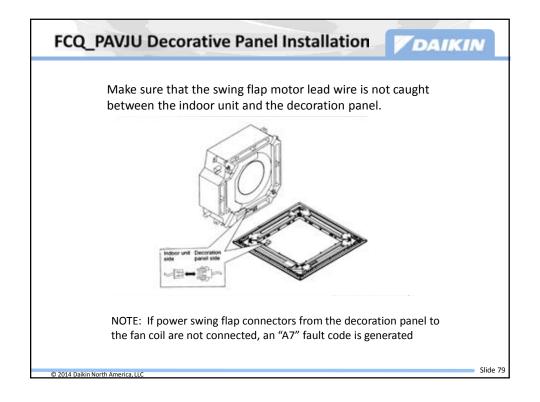




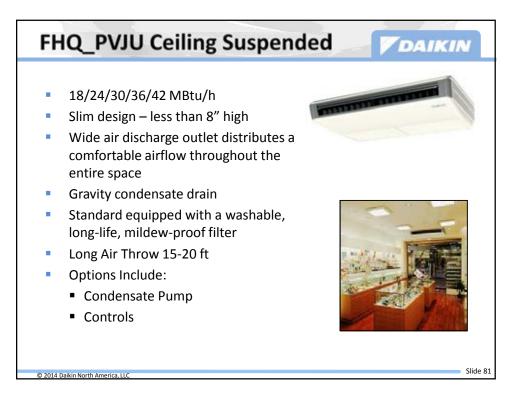


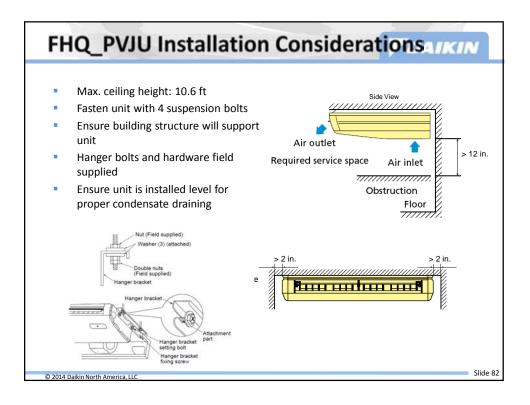
Never select the	direction of -i-	discharge other	than the follow:	ing nations /Marrie	many have a	demention of the			
	inection of air	Setting position N			may have a con	02	em.) 02	-	
Discharge outlet D	Dischar outlet B	3-way discharge	Closed B					1	
	200	Setting position N	4o. 03		3	03	A	_	
Discharge outlet A	Dischar outber C	2-way discharge		Closed D	B Closed Closed	D Closed			
The direction of a • The 3 different i should be made • Refer to the item (1) Set according	ir discharge sh kind of setting : e by the remote to of "Local set to the table of "	ting" on the opera "The direction of a	y the remote co unber", "The se elion manual of air discharge an	ntroller. tting switch num the remote contro d the installation	ber" and "The se ster for the setting of the sealing m	etting position nu	mber"		
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The direction of a The 3 different should be made a flefer to the law 1) Set according Check the seni 2) Refer to the law position detern Setting of the Section of air Sucharge	ir discharge sh kind of setting : by the remote to the table of ' ing position nu of 'Local set mined by (1) as Mode num 13 (23)	ould also be set b such as "Mode ruis controller. ting" on the opera "The direction of the operation of the oper- shown in the table ber Steting and 1	y the remote co imber", "The se stion manual of ar discharge an ing to the direct ficien manual fo le below. gh number	ntroller. thing switch num the remote control of the installation of air discharg the remote control	ber" and "The se ster for the settia of the sealing m later noller and chang (Cei 80~125 type	etting position nu ng procedure, aterial", e the setting acco ling Height is ref	rding to the merce value) Caling high		

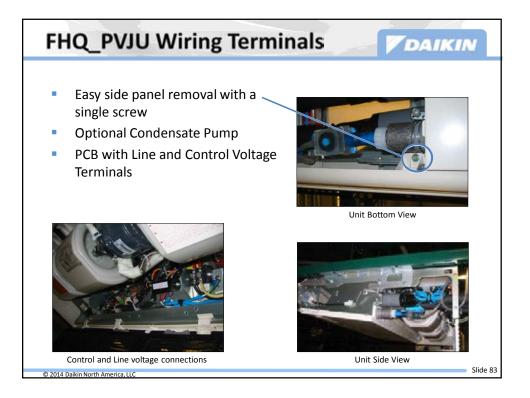


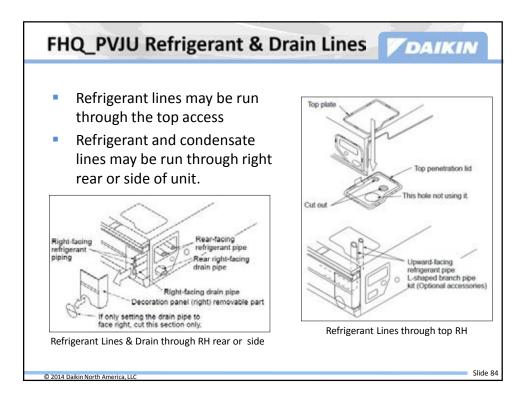




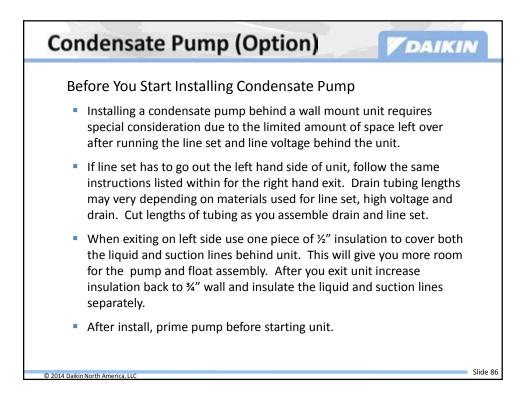


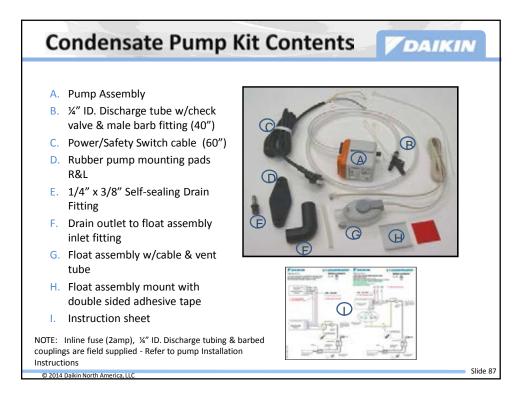


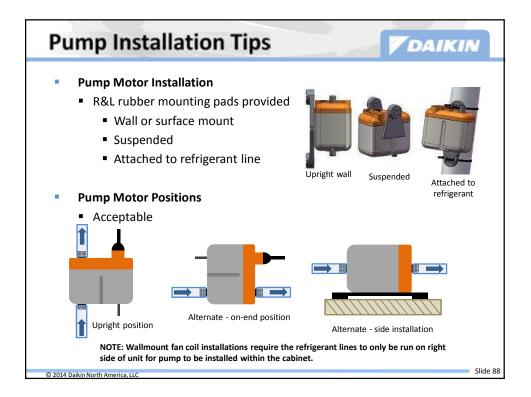


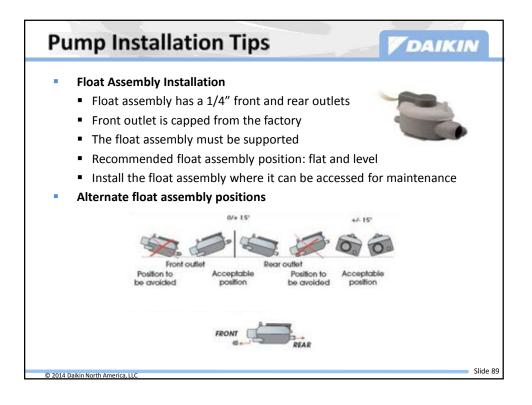


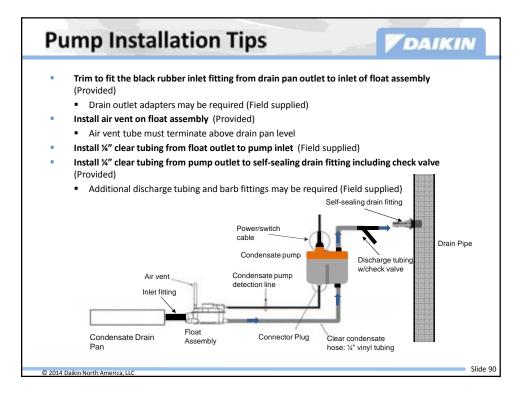


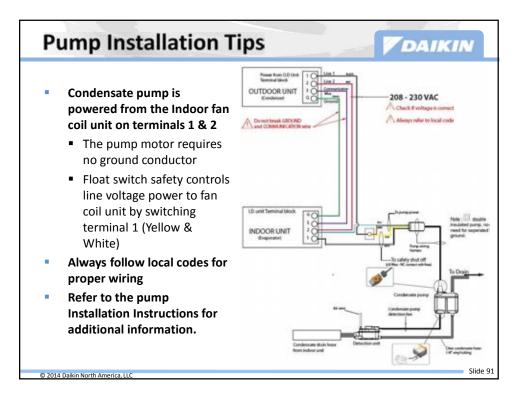


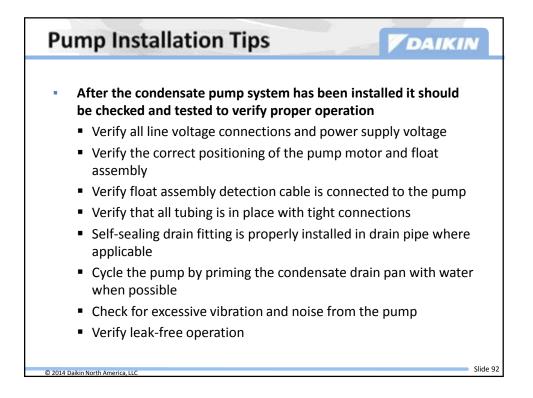


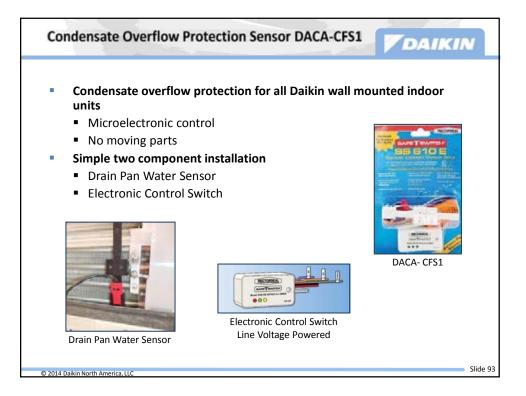


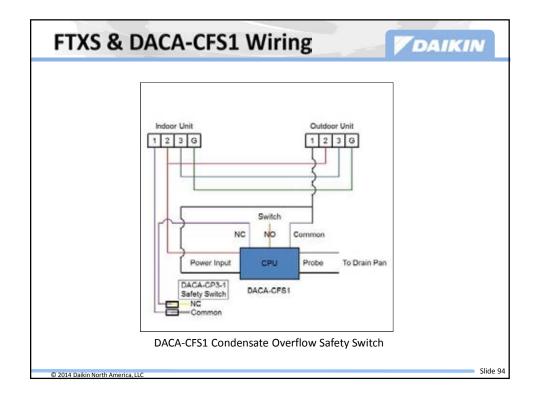




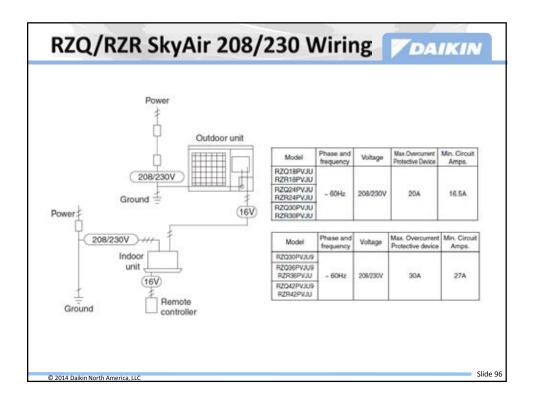


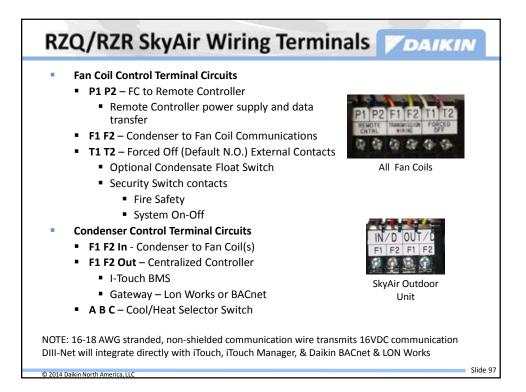




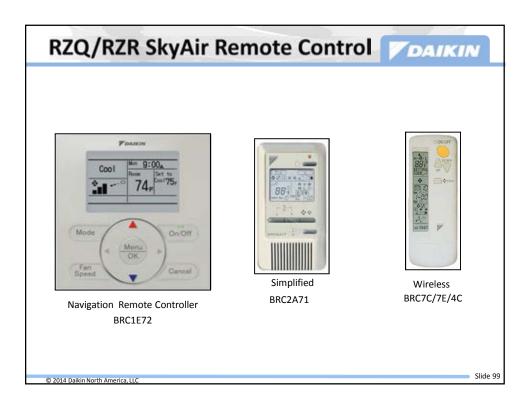


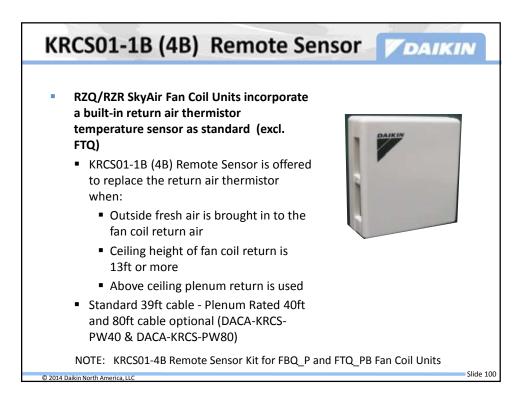








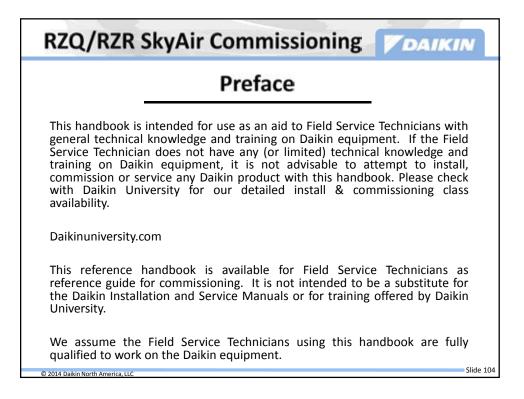


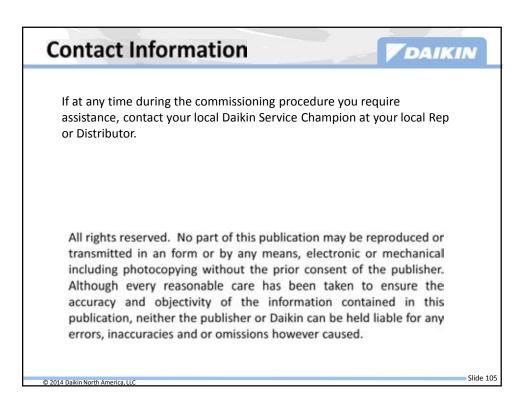






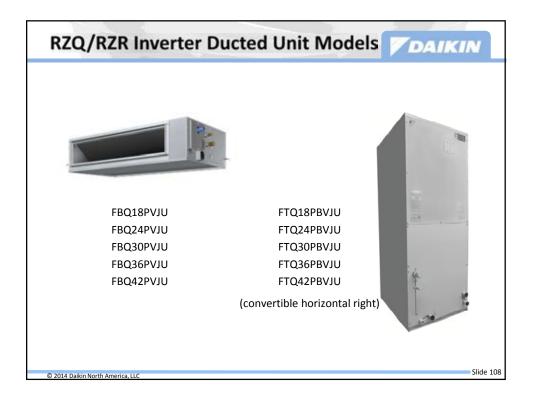


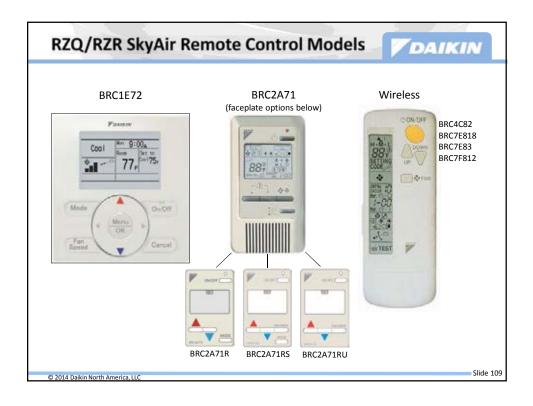


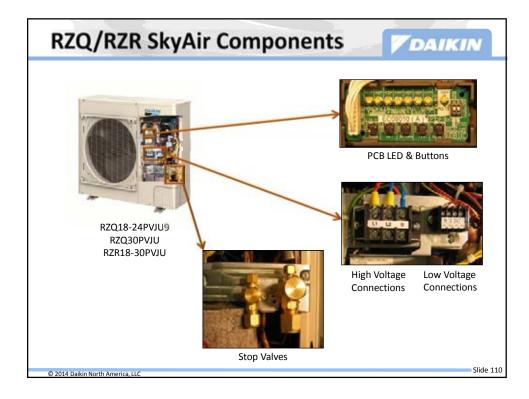


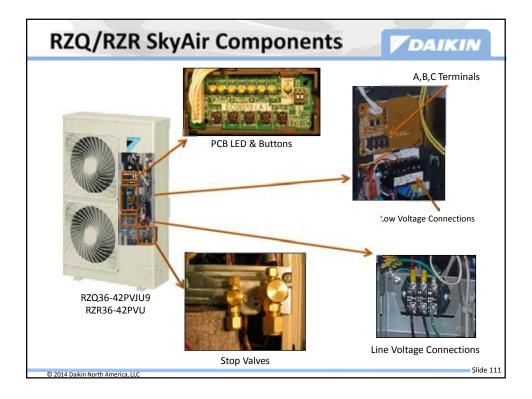




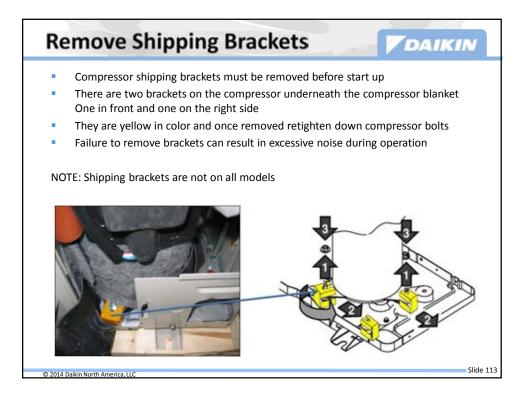


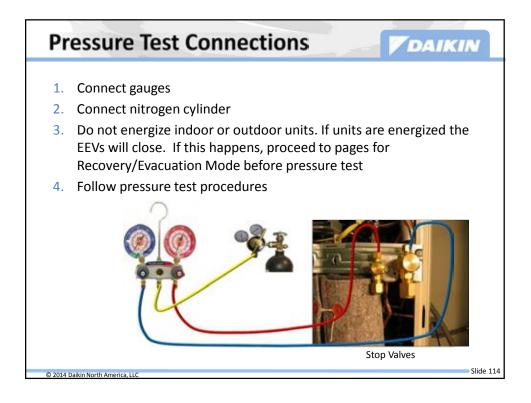


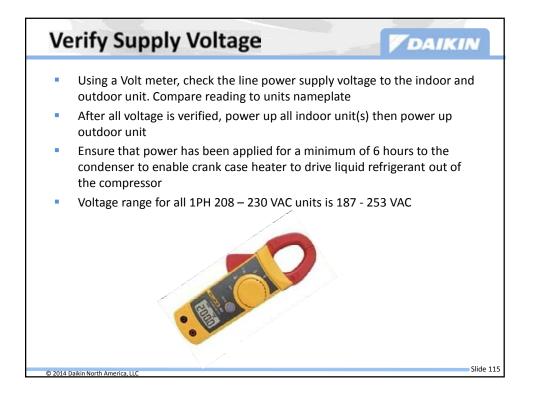


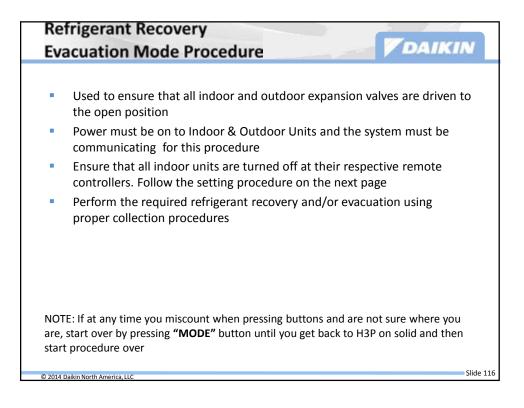


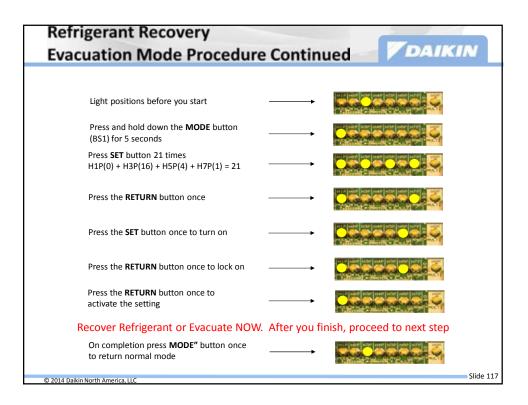
Pr	e-Commissioning Steps
1)	Verify compressor shipping brackets were removed
2)	Stop valves tightened down & field piping pressure tested to 550 PSIG for 24 hours
3)	Triple evacuated to below 500 microns
4)	Liquid line length measured, charge calculated, 100% of calculated charge weighed into liquid line using refrigerant scale, breaking vacuum
5)	Stop valves opened
6)	All control wiring and remote control(s) installed & wired
7)	All drain pipes, ductwork and air filters installed
8)	All refrigerant and condensate lines (as required) insulated
9)	Voltage checked and verified within listed range
10)	Indoor unit powered up first and power ON to condenser for 6 hours
11)	Initialization sequence complete and indoor unit counted
12)	Remote Controller Setup and Field Settings programmed if applicable
13)	Run Additional Refrigerant Charge Mode if 100% of the calculated charge could not be added at end of evacuation
14)	Perform Check Operation Mode
,	After Check Operation is complete run system normally  akin North America, LC Slide 112
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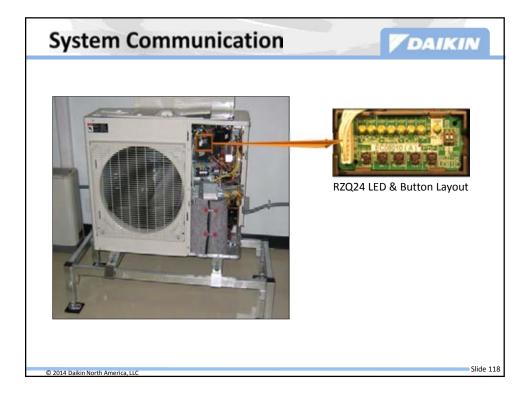


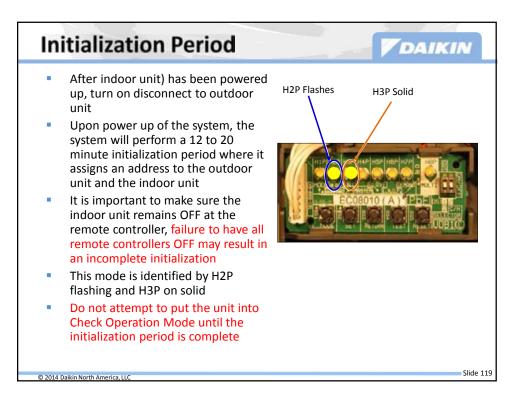


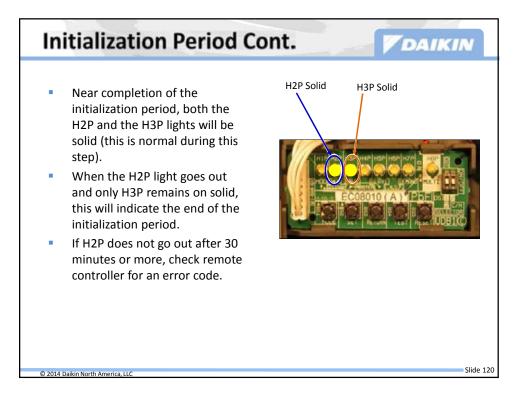


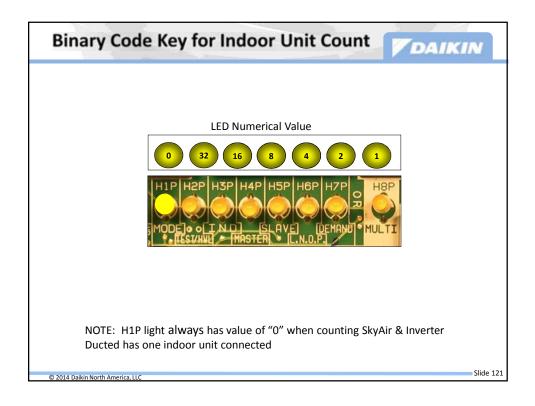


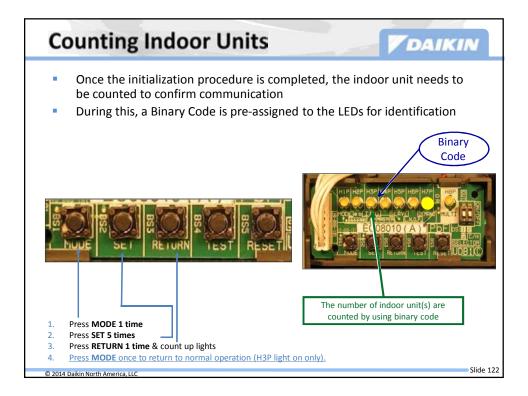


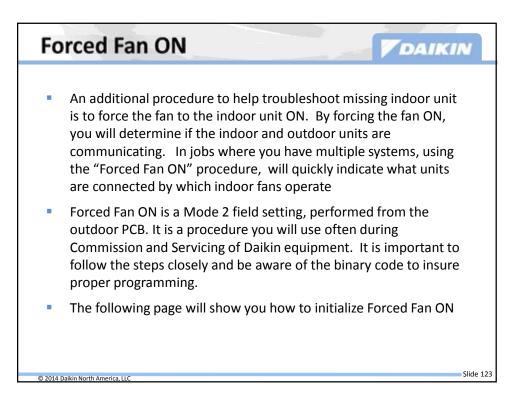


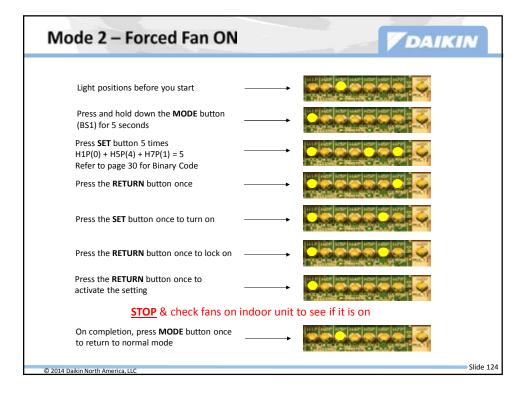


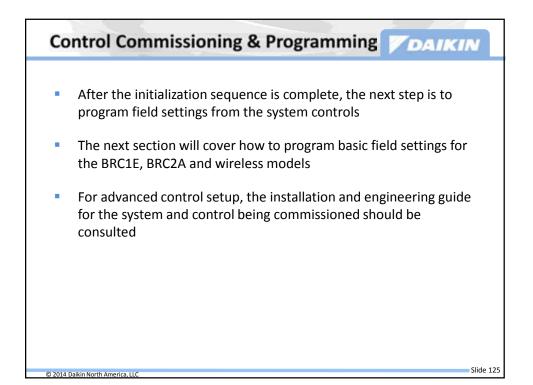


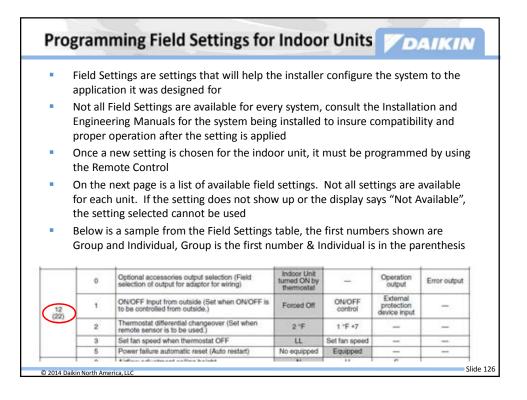






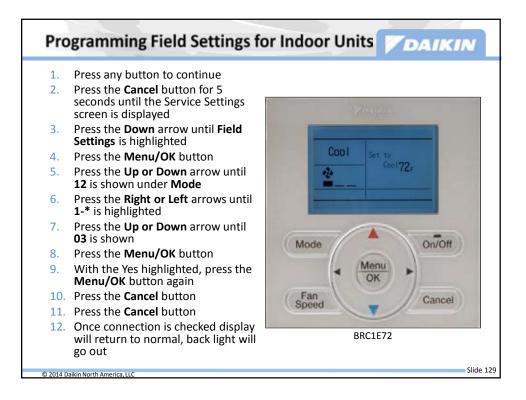


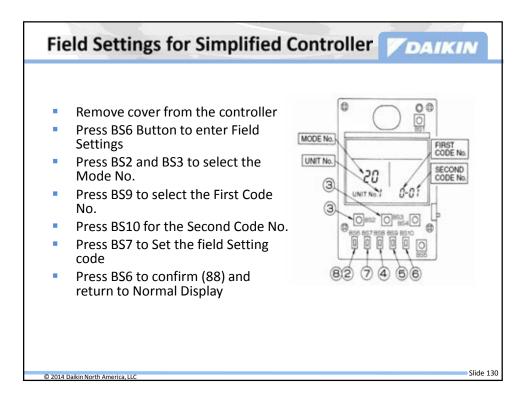


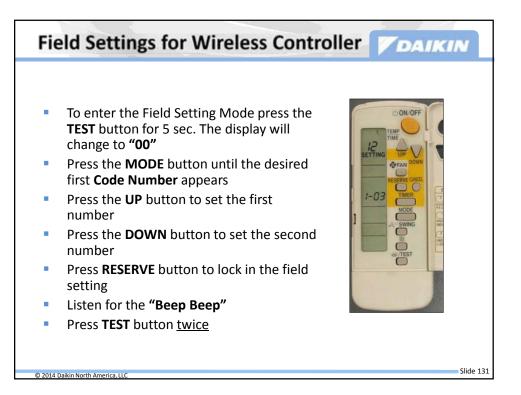


						: Factory setting
Mode No.	First Code	Description of Setting			Code No.	
	0	Filter cleaning sign time	01 Light	02 Heavy	03	04
	0.+5	Filter dirt	Light	Heavy	-	-
				Ultra long life		
	1	Filter type	Long life filter	filter		-
	1 *5	Filter cleaning sign time (Light/Heavy)	2,500/1,250	10,000/5,000	9 <del></del>	
10	2	Remote controller thermistor	Use	Not use	-	-
(20)	2 *5	Remote sensor and remote controller thermistor	Both	Remote thermistor	Remote controller thermistor	-
	3	Filter sign display	ON	OFF	-	-
	7	4-step thermostat processing	Ttson -7		03 04 5.4°F -4.5°F 1.8°F -0.9°F	05 06 3.6°F -2.7°F 0°F -0.9°F
11 (21)	3 +5	Electric heater setting	Heat Pump lockout mode	-	Auxiliary electric heater + Heat Pump lockout mode	-
1000	5 *5	Electric heater step setting	With heater	-	Without heater	-
	0	Optional accessories output selection (Field selection of output for adaptor for wiring)	Indoor Unit turned ON by thermostat	-	Operation output	Error output
12	1	ON/OFF Input from outside (Set when ON/OFF is to be controlled from outside.)	Forced Off	ON/OFF control	External protection device input	
(22)	2	Thermostat differential changeover (Set when remote sensor is to be used.)	2 °F	1 °F *7		777
	3	Set fan speed when thermostat OFF	u	Set fan speed		-
	5	Power failure automatic reset (Auto restart)	No equipped	Equipped		-
	0	Airflow adjustment ceiling height	N	н	S	-
	1	Airflow direction	F (4 directions)	(3 directions)	W (2 directions)	-
13 (23)	4	Field setting airflow position setting	Draft prevention	Standard	Ceiling soiling prevention	
	5	Setting of static pressure selection	Standard	High static pressure		

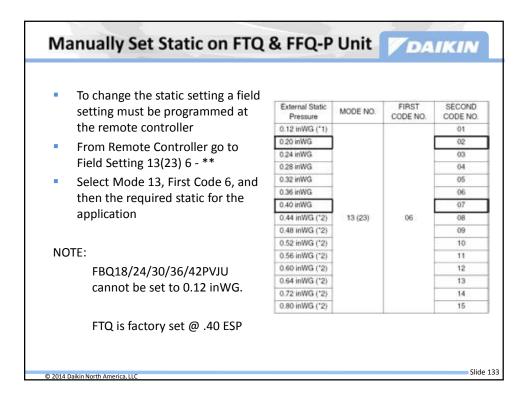
Mode	First Code No.	Description of Setting	FCQ	FHQ	FAQ	FBQ	FTQ
No.	1200000				-		-
	0	Filter cleaning sign time	0	0	0	0	-
	0	Filter dirt	17	-	177	7	0
	1 C	Filter type	0	-	() <del>-</del> ()	100	-
10	10	Fitter cleaning sign time	-	- 1	1	-	0
(20)	2	Nemote controller thermistor	0	0	0	0	-
1	2	Renote sensor and remote controller thermistor	-	-	-		0
		Filter sign display	0	0	0	٥	0
	7	4-step Terrostal processing	-	-	-	-	0
11	э	Electric heater setting	10	-	-	-	•
(21)	5	Electric heater step setting	-	90	20	-	0
	8	Optional accessories output selection	0	0	0	0	0
		ON/OFF input from outside	0	٥	0	٥	•
12 (525	2	Thermostal differential changeover	0	-	-	•	-
		1 1017 1010 117 117 117 117	1.0				

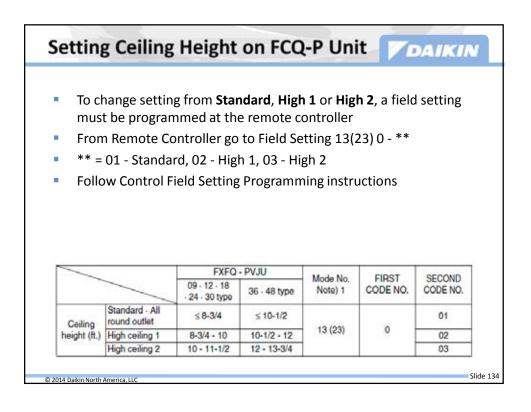


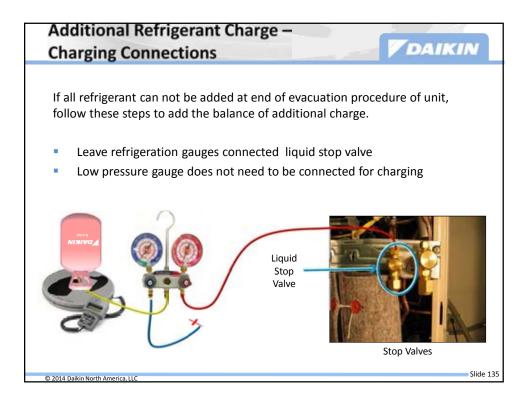




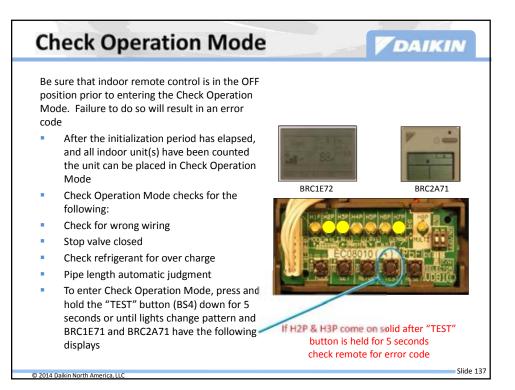
Se	tting Fan Static on F	BC	2		DAIKIN		
To use Auto Airflow Adjustment follow these steps		6.	After unit shuts down check to see that Field Setting 21 7-03 has changed to 21 7-02, this indicates				
1.	Turn remote control ON and select Fan Mode		successful completion of Auto Airflow Adjustment				
2.	Select desired fan speed;	7.	If code di process	code did not change repeat			
3.	Turn remote control OFF	8.	If Auto Airflow Adjustment will not				
4.	Enter Field Setting 11(21) 7-03 (11 or 21 will depend on Group or Individual setup)	0.	complete	, check for clos or improper c	osed/blocked		
5.	Exit Field Settings and turn remote control ON. Operation light will	9.	•	bose to manual set 11(21) to 7-	•		
	turn ON and unit will go into Auto		MODE NO.	FIRST CODE NO.	Setting contents		
	Airflow Adjustment Mode. This will run for 1 to 8 minutes. Once	ĺ	11 (21)	7	Airflow adjustment		
	complete the unit will shut OFF	[	SECOND CODE NO.				
	automatically.	[	01	02	03		
		[	OFF	Completion of airflow adjustment	Start of airflow adjustment		

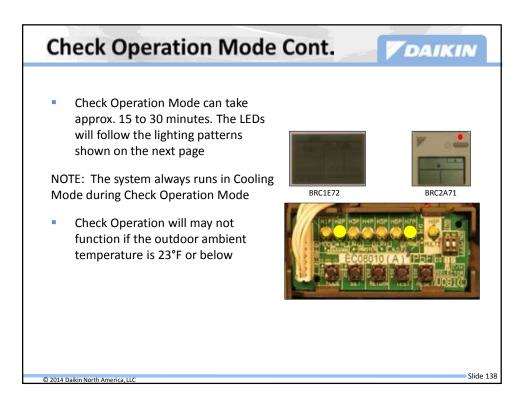




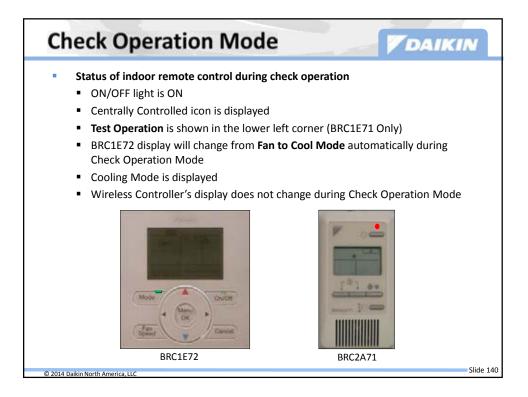


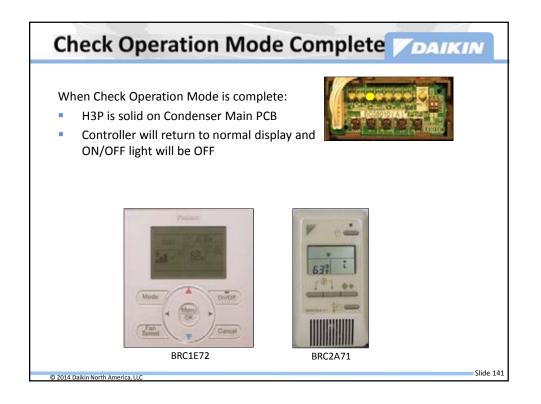
Additi	onal Refrigerant Ch	narge – S	Steps <b>VDAIK</b>	IN
Lig	ht positions before you start			
	ss and hold down the <b>MODE</b> button 5 seconds			
H1F	ss <b>SET</b> button 20 times P(0) + H3P(16) + H5P(4) = 20 er to page 30 for Binary Code			
Pre	ss the <b>RETURN</b> button once			
Pre	ss the <b>SET</b> button once to turn on			
Pre	ss the <b>RETURN</b> button once to lock on			
	ss the <b>RETURN</b> button once to vate the setting	>		
	Add Refrigerant NOW. Refer	to previous p	age for details.	
	During this mode lights will ch	nange pattern	, this is normal	
	completion press <b>MODE</b> button once eturn normal mode			
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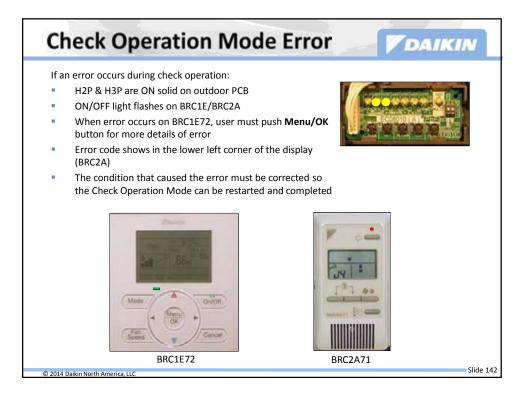




Cheo	ck Operatio	on Mode Sequer	nce 🌌 DAIKII
Start	Normal State	Hold test button for 5 seconds	
Step 1	Pressure Equalization	10 sec to 10 minutes	
Step 2	Cooling Start Control	20 sec to 2 minutes	
Step 3	Stop Valve Close Check		
Steps 4-8	Judgment Function	<ul> <li>Wrong wiring check</li> <li>Correct refrigerant charge check</li> <li>Piping length check</li> </ul>	
Step 9	Pump Down Residual Ope	ration → 5 minutes	
Step 10	Stand by for Restarting	5 minutes	
Finish	Completion		
	orth America, LLC		







This chart lists sev	veral error codes that	may occur during the
Check Operation I		
Error Code	Installation Error	Remedial Action
E3, E4, F3, F6, UF	The stop valve of an outside unit is left closed.	Open stop valve.
U1, U4, LC	No power is supplied to an outdoor , BS or indoor unit (including phase interruption).	Check if the power wiring for the outside, inside units are connected correctly.
UF	There is a conflict on the connection of transmission wiring in the system.	Check if the refrigerant piping line and the unit transmission wiring are consistent with each other.
E3, F6, UF	Refrigerant overcharge.	Recalculate the required amount of refrigerant from piping length and correct the refrigerant charge level by refrigerant recovery machine.
E4, F3 Insufficient refri		Check to see if additional refrigerant charge has been finished correctly.
	Insufficient refrigerant.	Recalculate the required amount of refrigerant from piping length and then add the adequate amount of refrigerant.
U3	The check operation has not been preformed.	Perform the check operation.

