



COMMERCIAL
REFRIGERATOR & FREEZER

SERVICE MANUAL
(SCL/SCLM)

MODEL: SCL1

SCL2

SCL2-36

SCL2-60

SCL3

SCLM1

SCLM2

SCLM2-36

SCLM2-60

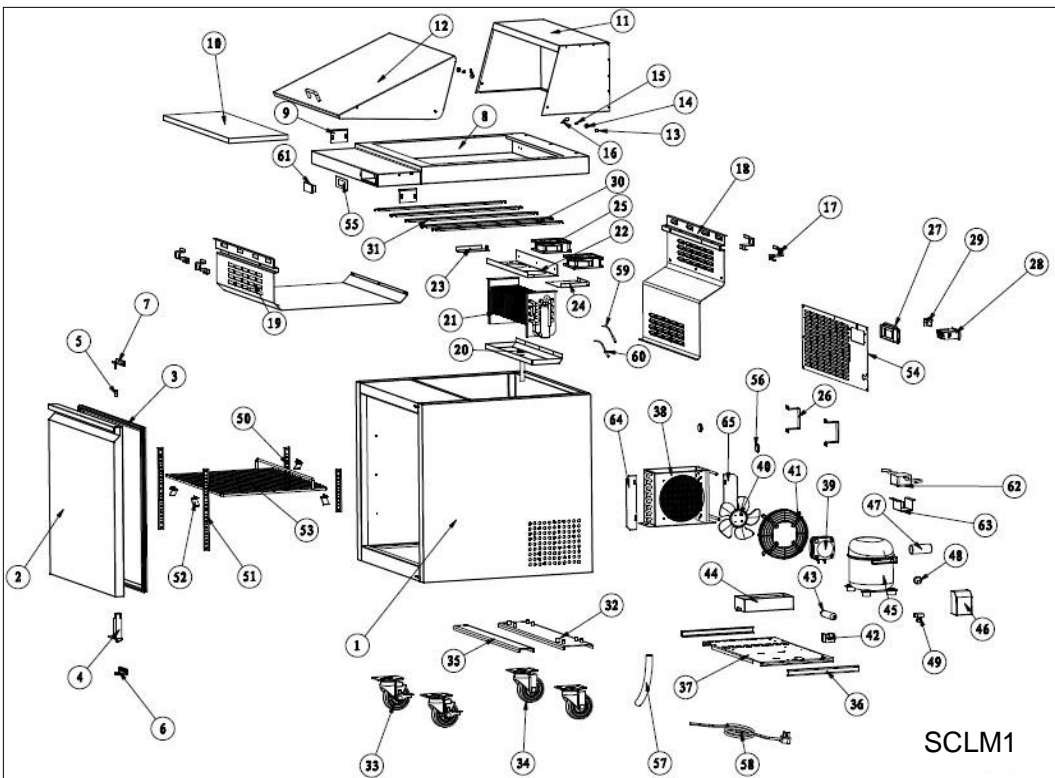
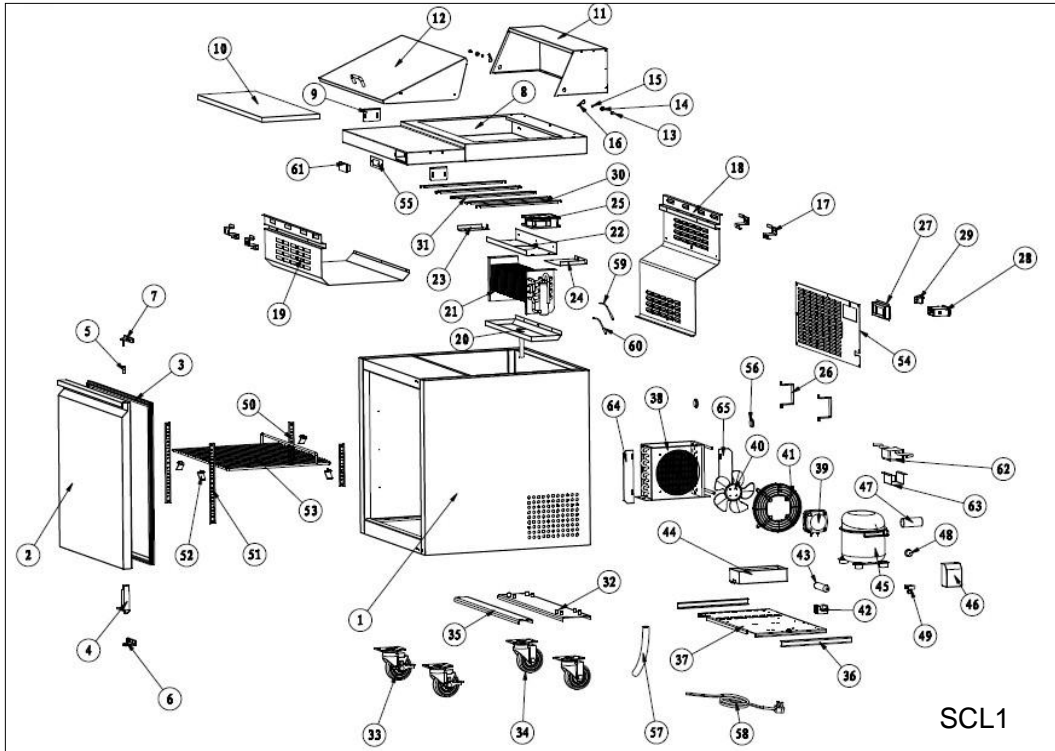
SCLM3

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1. EXPLODED VIEW AND PARTS LIST

1.1 SCL1 & SCLM1

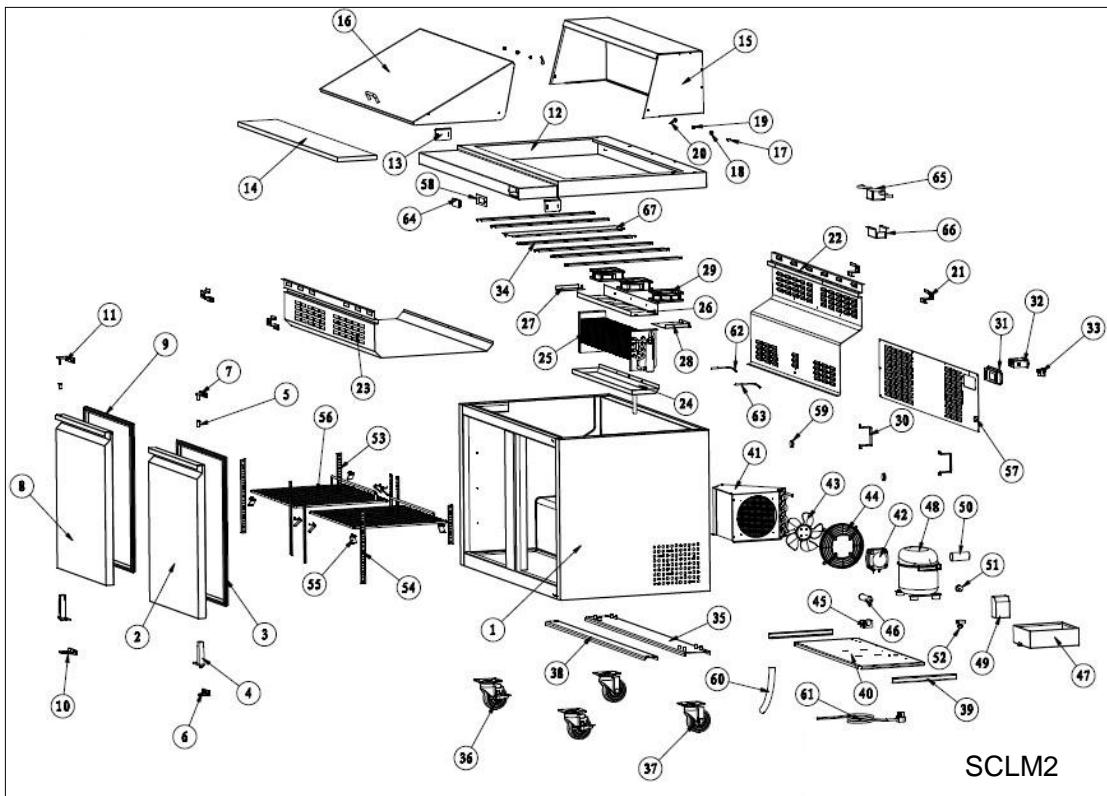
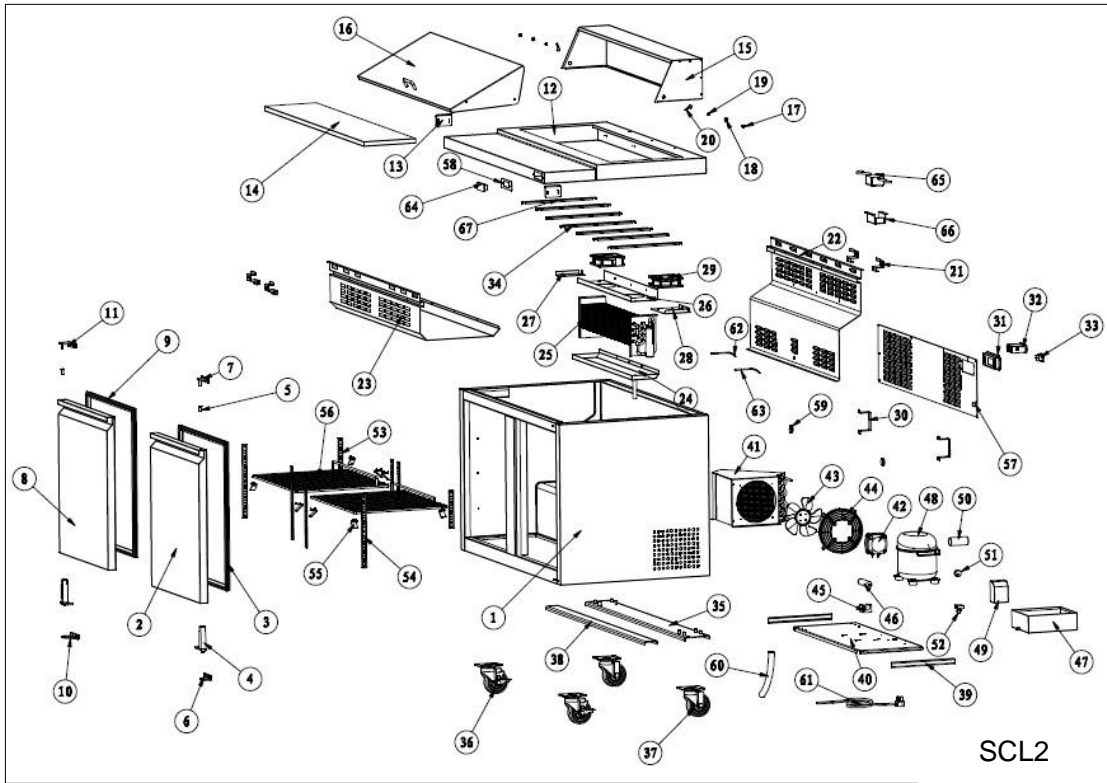


1	CABINET: N/A	34	4" CASTER: 17819301
2	DOOR: 17817006	35	INSTALLATION BOARD SUPPORT ★
3	GASKET: 178GSKT17313	36	COMPRESSOR UNIT TRACK ★
4	178CARTRIDGE	37	COMPRESSOR UNIT INSTALLATION BOARD ★
5	HINGE AXIS: 17812251	38	CONDENSER: 17811501
6	BOTTOM RIGHT HINGE: 178HINGSCLEBR	39	CONDENSER FAN MOTOR: 17819194
7	UPPER RIGHT HINGE: 178HINGSCLETR	40	CONDENSER FAN MOTOR BLADE: 17814791
8	TOP BOARD ★	41	CONDENSER FAN COVER: 17810515
9	MOUNT FOR CUTTING BOARD	42	FILTER FIXER ★
10	CUTTING BOARD: 178CBS972 (SCL1) 178CBSM728 (SCLM1)	43	FILTER ★
11	BACK COVER: 17816214/17813121	44	OUTER DRAIN PAN: 17817738
12	LID: 17813430/17818952	45	COMPRESSOR: 17817554
13	DOWEL: 17817446	46	SPLICE BOX ★
14	PLASTIC BOLT: 17817446	47	START CAPACITOR ★
15	NUT: 17817446	48	OVERLOAD PROTECTOR ★
16	SPLIT PIN: 17817446	49	STARTER ★
17	AIR DUCT SUPPORT ★	50	K STRIP-2 HOLES: 17814517
18	EVAPORATOR COVER ★	51	K STRIP-3 HOLES: 17815412
19	AIR RETURN COVER ★	52	K CLIP
20	INNER DRAIN PAN: 17813591	53	SHELF: 178SHELFSCLE
21	EVAPORATOR: 17812503	54	BACK GRILL ★
22	FAN MOTOR INSTALLATION PANEL	55	FAHR TEMP DISPLAY INSTALLATION BOARD ★
23	LEFT CLAPBOARD OF EVAP ★	56	FOAMING HOLE COVER ★
24	RIGHT CLAPBOARD OF EVAP ★	57	DRAIN TUBE(Φ16mm)
25	EVAPORATOR FAN MOTOR: 17813407	58	POWER CORD: 17810175
26	STAND OFF BRACKET: 17818837	59	TEMPERATURE SENSOR 1 (THERMOSTAT): 17811959
27	THERMOSTAT INSTALLATION BOX ★	60	TEMP SENSOR 2 (FAHRENHEIT TEMP DISP) ●
28	THERMOSTAT: 17815350	61	FAHRENHEIT TEMP DISPLAY: 17817225 ●
29	POWER SWITCH: Green- 17810364 Red-17810365	62	TRANSFORMER FOR FAHRENHEIT TEMP DISPLAY ●
30	PAN BRACKET-15mm	63	TRANSFORMER HOLDER ★ ●
31	PAN BRACKET-25mm: 17815874	64	AIR SHEILD BOARD 1 ★
32	CASTER SUPPORT ★	65	AIR SHEILD BOARD 2 ★
33	4" CASTER WITH BRAKE: 17816412		

★ - Consult Factory

● - Only Units Manufactured Before 6/1/15.

1.2 SCL2 & SCLM2

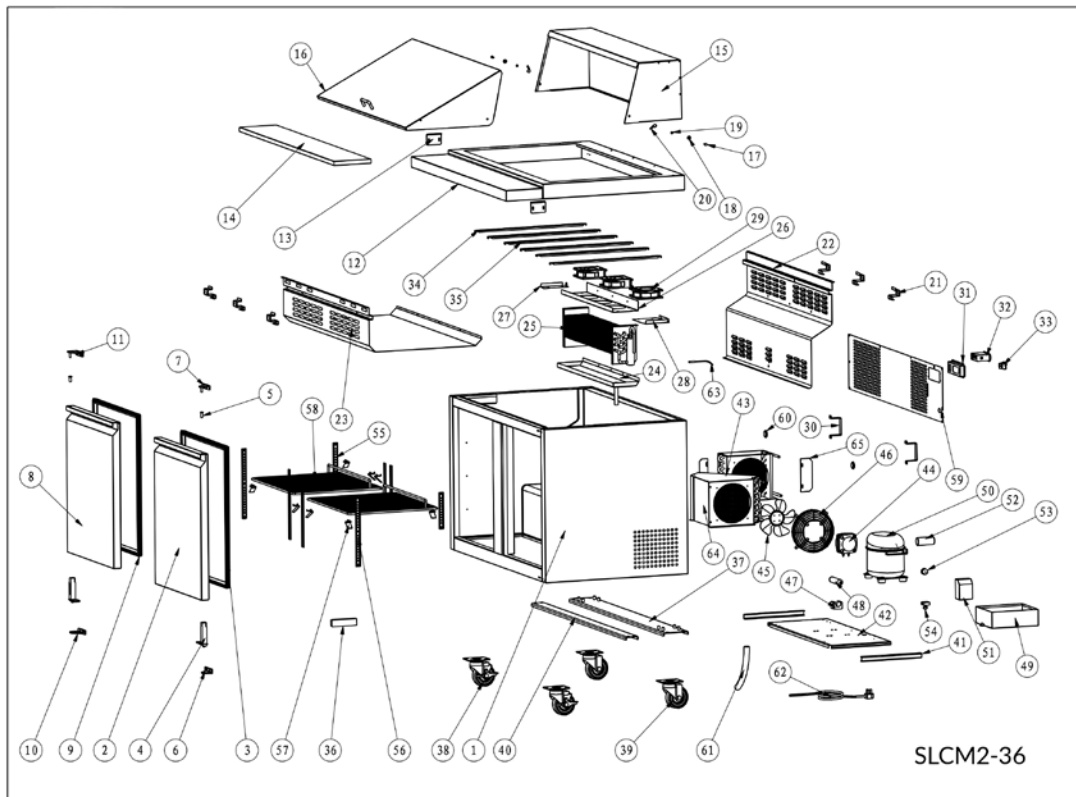
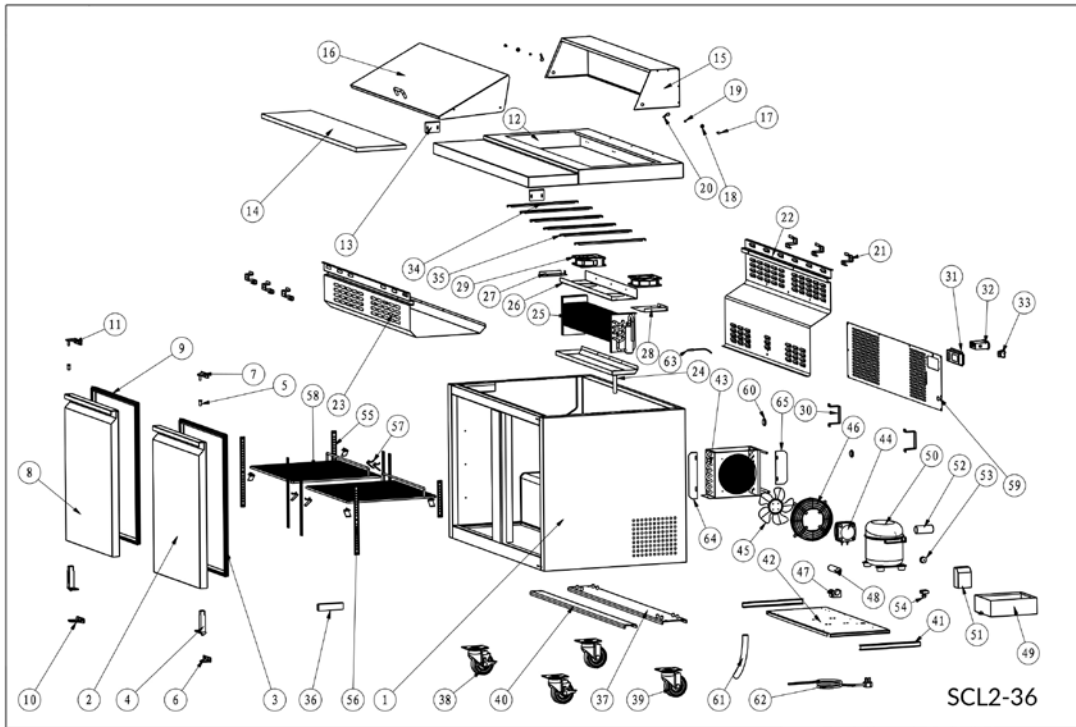


1	CABINET: N/A	35	CASTER SUPPORT★
2	RIGHT DOOR: 17810080	36	4" CASTER WITH BRAKE: 17816412
3	GASKET: 178GSKT11759	37	4" CASTER: 17819301
4	178CARTIRIDGE	38	INSTALLATION BOARD SUPPORT★
5	HINGE AXIS: 17812251	39	COMPRESSOR UNIT TRACK★
6	BOTTOM RIGHT HINGE: 178HINGSCLEBR	40	COMPRESSOR UNIT INSTALLATION BOARD★
7	UPPER RIGHT HINGE: 178HINGSCLETR	41	CONDENSER: 17813281
8	LEFT DOOR: 17810080	42	CONDENSER FAN MOTOR: 17810976
9	GASKET: 178GSKT11759	43	CONDENSER FAN MOTOR BLADE: 17814269
10	BOTTOM LEFT HINGE: 178HINGSCLEBL	44	CONDENSER FAN COVER: 17810515
11	UPPER LEFT HINGE: 178HINGSCLETL	45	FILTER FIXER★
12	TOP BOARD★	46	FILTER★
13	MOUNT FOR CUTTING BOARD★	47	OUTER DRAIN PAN: 17817738
14	CUTTING BOARD: 178CBS1046/178CBSM747	48	COMPRESSOR: 17810635
15	BACK COVER: 17814129/17819918	49	SPLICE BOX★
16	LID: 17813359/17819990	50	START CAPACITOR★
17	DOWEL: 17817446	51	OVERLOAD PROTECTOR★
18	PLASTIC BOLT: 17817446	52	STARTER★
19	NUT: 17817446	53	K STRIP-2 HOLES: 17814517
20	SPLIT PIN: 17817446	54	K STRIP-3 HOLES: 17815412
21	AIR DUCT SUPPORT★	55	K CLIP: 178CLIP
22	EVAPORATOR COVER★	56	SHELF: 178SHELFSCLE2
23	AIR RETURN COVER★	57	BACK GRILL★
24	INNER DRAIN PAN: 17814037	58	FAHR TEMP DISPLAY INSTALLATION BOARD★
25	EVAPORATOR: 17814715	59	FOAMING HOLE COVER★
26	FAN MOTOR INSTALLATION PANEL★	60	DRAIN TUBE(Φ16mm): 17819999
27	LEFT CLAPBOARD OF EVAP★	61	POWER CORD: 17810175
28	RIGHT CLAPBOARD OF EVAP★	62	TEMPERATURE SENSOR 1 (THERMOSTAT): 17811959
29	EVAPORATOR FAN MOTOR: 17813407	63	TEMP SENSOR 2(FAHRENHEIT TEMP DISP)●
30	STAND OFF BRACKET: 17818837	64	FAHRENHEIT TEMP DISPLAY: 17817225●
31	THERMOSTAT INSTALLATION BOX	65	TRANSFORMER FOR FAHRENHEIT TEMP DISPLAY●
32	THERMOSTAT: 17815350	66	TRANSFORMER HOLDER★●
33	POWER SWITCH: Green- 17810364 Red-17810365	67	PAN BRACKET-15/90mm
34	PAN BRACKET-25mm: 17815874		

★ - Consult Factory

● - Only Units Manufactured Before 6/1/15.

1.3 SCL236 & SCLM236

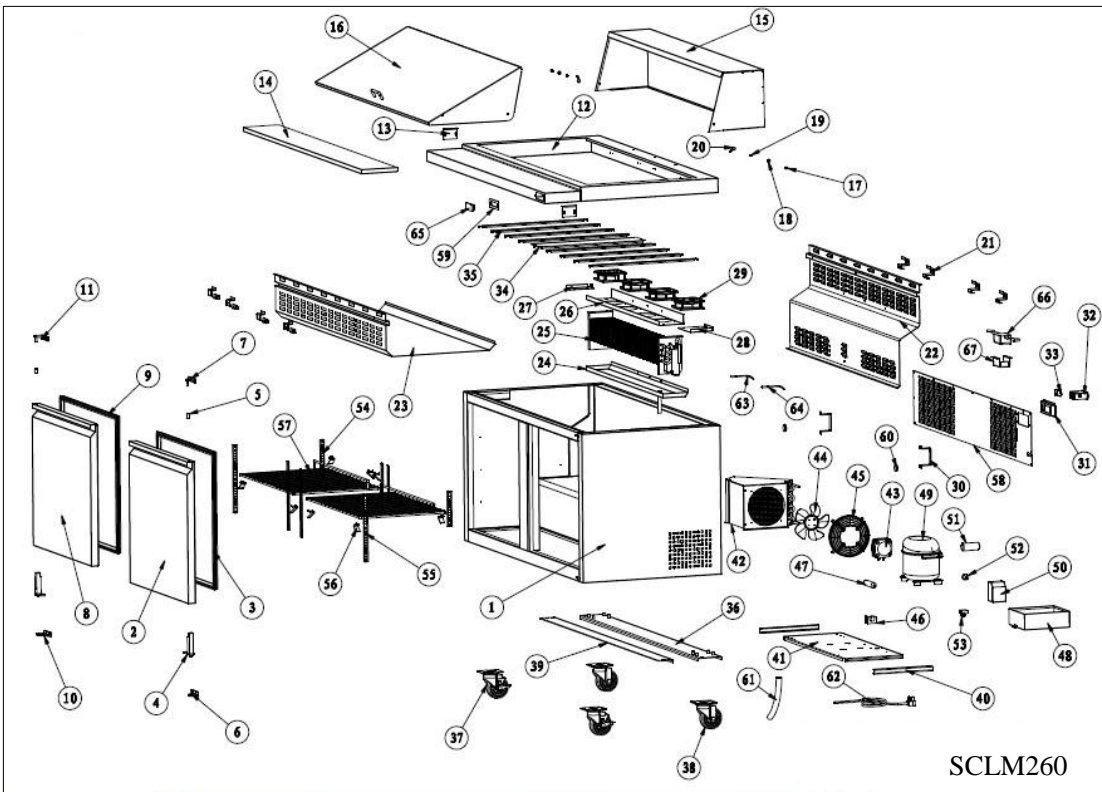
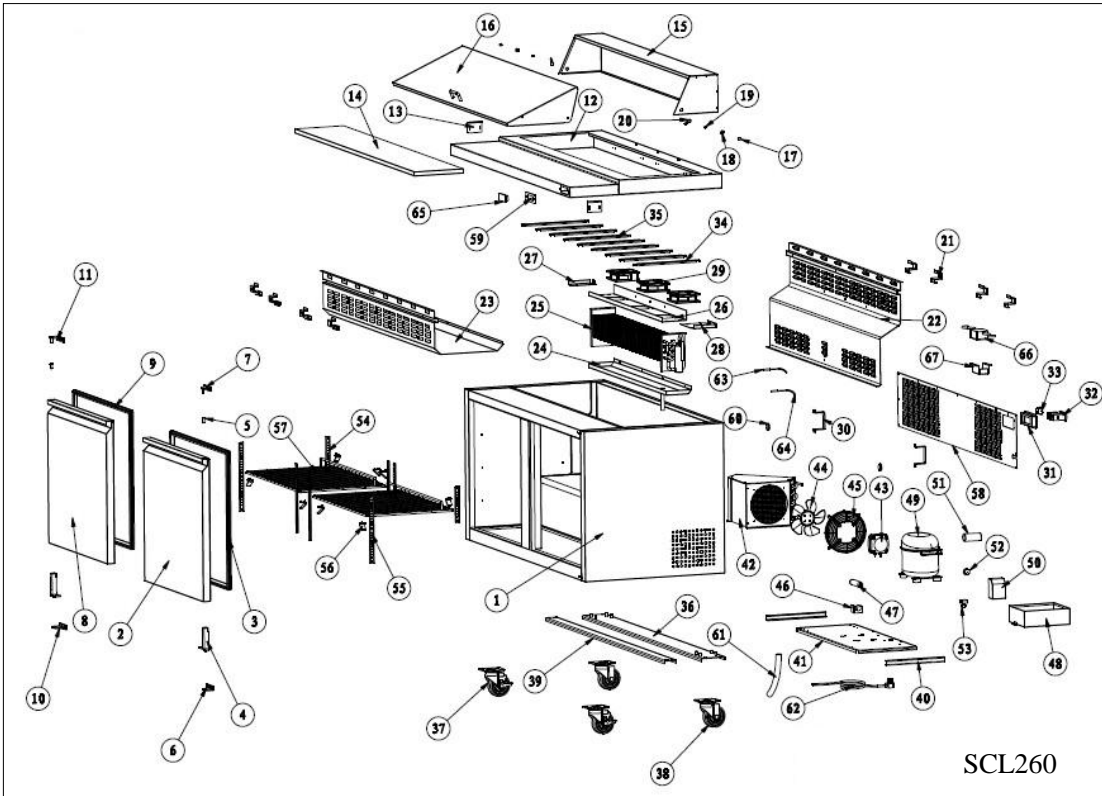


1	CABINET		34	PAN BRACKET-15: 178SCLB15354/178SCLB15532
2	RIGHT DOOR (445*666mm)	★	35	PAN BRACKET-25: 178SCLB25354/178SCLB25532
3	GASKET	★	36	THERMOMETER ★
4	SPRING HINGE: 178CARTRIDGE		37	CASTER SUPPORT ★
5	HINGE AXIS: 17812251		38	4" CASTER WITH BRAKE: 17816412
6	BOTTOM RIGHT HINGE: 178HINGSCLBR		39	4" CASTER: 17819301
7	UPPER RIGHT HINGE: 178HINGSCLTR		40	ASSEMBLING PANEL SUPPORT ★
8	LEFT DOOR (445*666mm)	★	41	COMPRESSOR UNIT TRACK ★
9	GASKET	★	42	COMPRESSOR UNIT INSTALLATION BOARD ★
10	BOTTOM LEFT HINGE: 178HINGSCLBL		43	CONDENSER: 17811501
11	UPPER LEFT HINGE: 178HINGSCLTL		44	CONDENSER FAN MOTOR: 17819194
12	TOP BOARD:	★	45	BLADE OF CONDENSER FAN MOTOR: 17814791
13	MOUNT FOR CUTTING BOARD	★	46	CONDENSER FAN COVER: 17810515
14	CUTTING BOARD: 178CBS1036/178CBSM736		47	FILTER FIXER ★
15	BACK COVER	★	48	FILTER (Φ25x167-B) ★
16	LID	★	49	OUTER DRAIN PAN: 17817738
17	DOWEL: 17817446		50	COMPRESSOR (NE6170Z): 17817554
18	PLASTIC BOLT: 17817446		51	SPLICE BOX ★
19	NUT: 17817446		52	START CAPACITOR ★
20	SPLIT PIN: 17817446		53	OVERLOAD PROTECTOR ★
21	AIR DUCT SUPPORT	★	54	STARTER ★
22	EVAPORATOR COVER	★	55	K STRIP-2 HOLES: 17814517
23	AIR RETURN COVER	★	56	K STRIP-3 HOLES: 17815412
24	INNER DRAIN PAN: 17814037		57	K CLIP: 178CLIP
25	EVAPORATOR (5R4K594L: 17814715		58	SHELF(402*434MM): 178SHELFSC23
26	FAN MOTOR INSTALLATION PANEL	★	59	BACK GRILL ★
27	LEFT CLAPBOARD OF EVAPORATOR	★	60	FOAMING HOLE COVER ★
28	RIGHT CLAPBOARD OF EVAPORATOR	★	61	DRAIN HOSE ★
29	EVAPORATOR FAN MOTOR: 17813407 (4715MS-12T-B5A)		62	POWER CORD(16AWG 2.5M): 17810175
30	STANDOFF BRACKET: 17818837		63	TEMPERATURE SENSOR OF CABINET INSIDE: 17811959
31	THERMOSTAT INSTALLATION BOX	★	64	CONDENSER BAFFLE ONE ★
32	POWER SWITCH (RED): 17810365		65	CONDENSER BAFFLE TWO ★
33	THERMOSTAT (PJEZ): 17815350			

★ - Consult Factory

● - Only Units Manufactured Before 6/1/15.

1.4 SCL260 & SCLM260

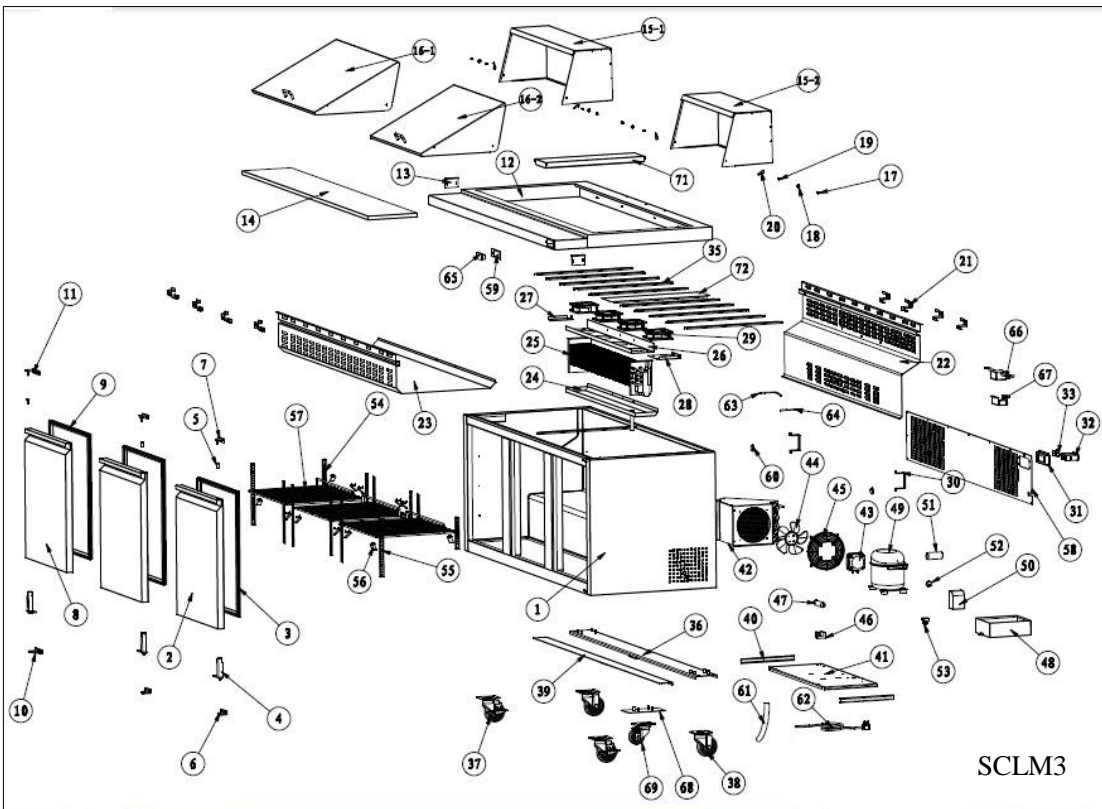
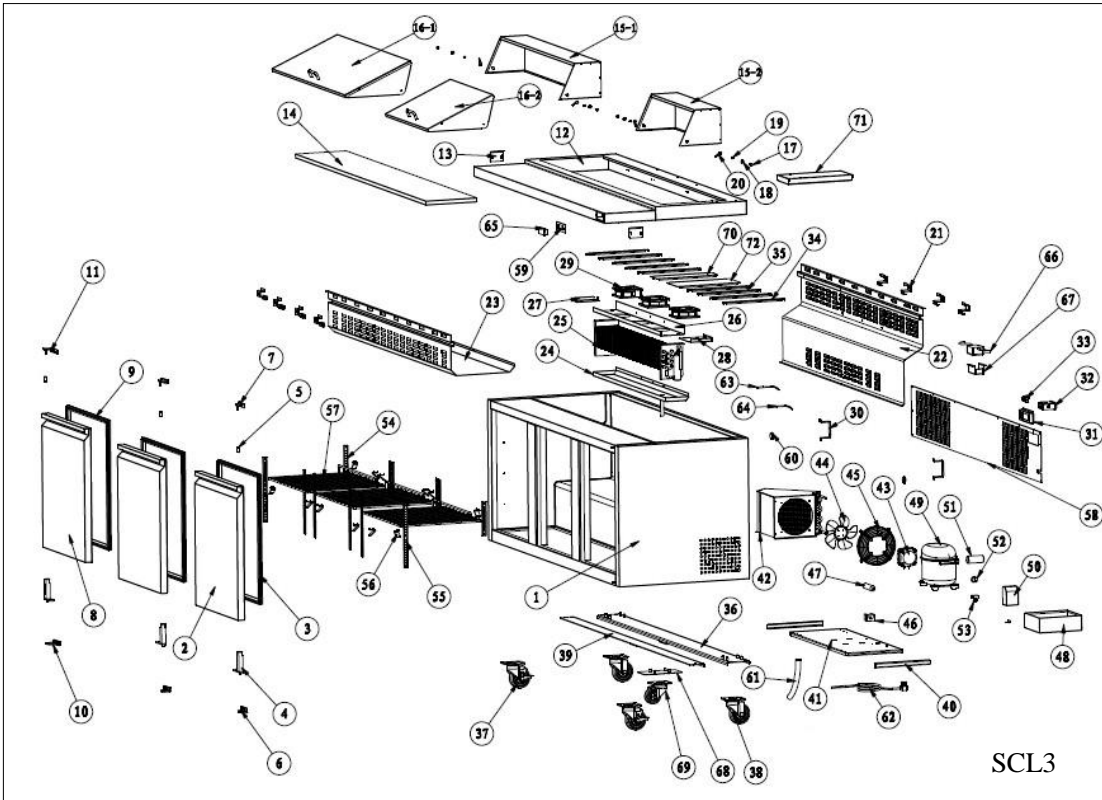


1	CABINET: N/A	35	PAN BRACKET-25mm: 17815874
2	RIGHT DOOR: 17819424	36	CASTER SUPPORT ★
3	GASKET: 178GSKT19722	37	4" CASTER WITH BRAKE: 17816412
4	SPRING HINGE CARTRIDGE	38	4" CASTER: 17819301
5	HINGE AXIS COVER: 17812251	39	INSTALLATION BOARD SUPPORT ★
6	BOTTOM RIGHT HINGE: 178HINGSCLEBR	40	COMPRESSOR UNIT TRACK ★
7	UPPER RIGHT HINGE: 178HINGSCLETR	41	COMPRESSOR UNIT INSTALLATION BOARD ★
8	LEFT DOOR: 17814620	42	CONDENSER: 17813281
9	GASKET: 178GSKT19722	43	CONDENSER FAN MOTOR: 17810976
10	BOTTOM LEFT HINGE: 178HINGSCLEBL	44	CONDENSER FAN MOTOR BLADE: 17814269
11	UPPER LEFT HINGE: 178HINGSCLETL	45	CONDENSER FAN MOTOR COVER: 17810515
12	TOP BOARD ★	46	FILTER FIXER ★
13	FIXER FOR CUTTING BOARD ★	47	FILTER ★
14	CUTTING BOARD: 178CBS1060/178CBM760	48	OUTER DRAIN PAN: 17817738
15	BACK COVER: 17819580/17819796	49	COMPRESSOR: 17810635
16	LID: 17815722/17819831	50	SPLICE BOX ★
17	DOWEL: 17817446	51	START CAPACITOR ★
18	PLASTIC BOLT: 17817446	52	OVERLOAD PROTECTOR ★
19	NUT: 17817446	53	STARTER ★
20	SPLIT PIN: 17817446	54	K STRIP-2 HOLES: 17814517
21	AIR DUCT SUPPORT ★	55	K STRIP-3 HOLES: 17810635
22	EVAPORATOR COVER ★	56	K CLIP: 178CLIP
23	AIR RETURN COVER ★	57	SHELF: 178SHELFSC26
24	INNER DRAIN PAN: 17812261	58	BACK GRILL ★
25	EVAPORATOR: 17816297	59	FAHR TEMP DISPLAY INSTALLATION BOARD ★
26	FAN MOTOR INSTALL PANEL ★	60	FOAMING HOLE COVER ★
27	LEFT CLAPBOARD OF EVAP ★	61	DRAIN TUBE(16mm): 17819999
28	RIGHT CLAPBOARD OF EVAP ★	62	POWER CORD: 17810175
29	EVAPORATOR FAN MOTOR: 17813407	63	TEMPERATURE SENSOR 1 (THERMOSTAT)
30	STAND OFF BRACKET	64	TEMP SENSOR 2 (FAHRENHEIT TEMP DISP) ●
31	THERMOSTAT INSTALLATION BOX	65	FAHRENHEIT TEMP DISPLAY: 17817225 ●
32	THERMOSTAT: 17815350	66	TRANSFORMER FOR FAHRENHEIT TEMP DISPLAY: 17813417 ●
33	POWER SWITCH: Green- 17810364 Red-17810365	67	TRANSFORMER HOLDER ★ ●
34	PAN BRACKET-15/108mm		

★ - Consult Factory

● - Only Units Manufactured Before 6/1/15.

1.5 SCL3& SCLM3



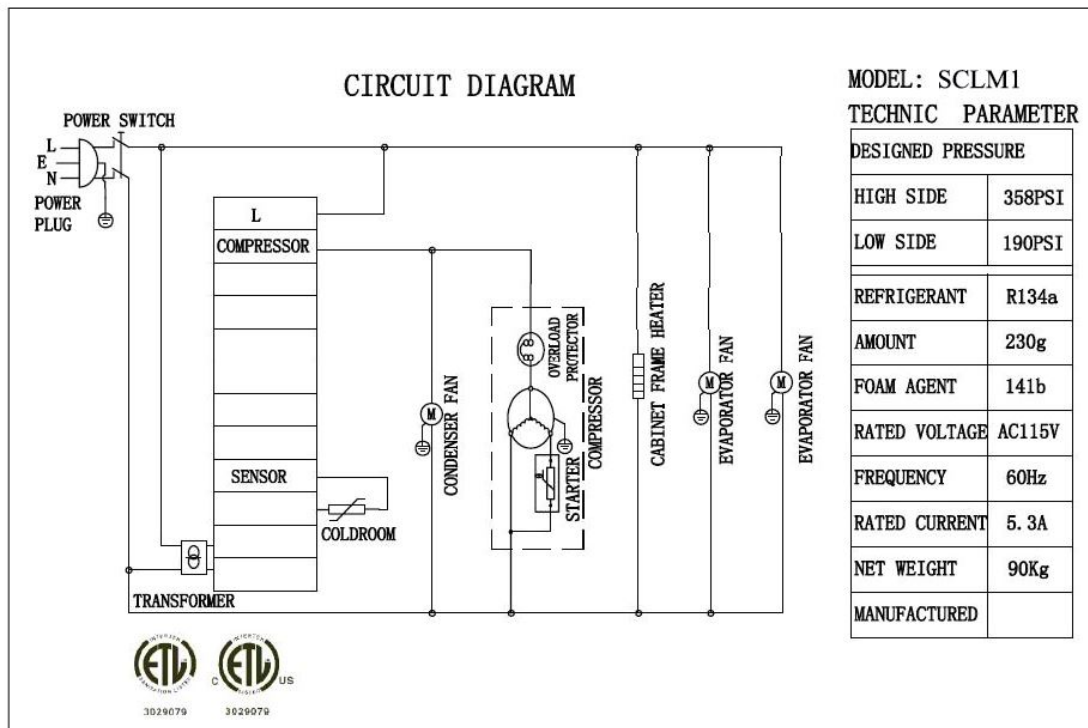
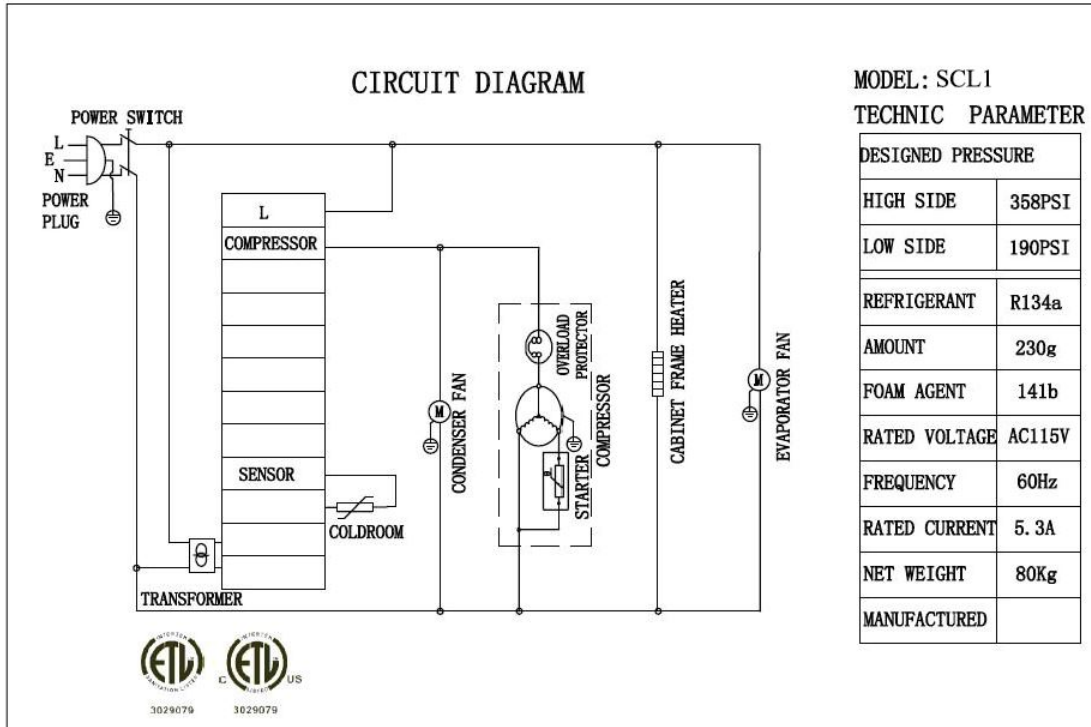
1	CABINET: N/A	36	CASTER SUPPORT ★
2	RIGHT DOOR: 17814618	37	4" CASTER WITH BRAKE: 17816412
3	GASKET: 178GSKT15178	38	4" CASTER: 17819301
4	SPRING HINGE CARTRIDGE	39	INSTALLATION BOARD SUPPORT ★
5	HINGE AXIS COVER: 17812251	40	COMPRESSOR UNIT TRACK ★
6	BOTTOM RIGHT HINGE: 178HINGSCLEBR	41	COMPRESSOR UNIT INSTALLATION BOARD ★
7	UPPER RIGHT HINGE: 178HINGSCLETR	42	CONDENSER: 17813281
8	LEFT DOOR: 17810267	43	CONDENSER FAN MOTOR: 17810976
9	GASKET:178GSKT15178	44	CONDENSER FAN MOTOR BLADE: 17814269
10	BOTTOM LEFT HINGE: 178HINGSCLEBL	45	CONDENSER FAN COVER: 17810515
11	UPPER LEFT HINGE: 178HINGSCLETL	46	FILTER MOUNT ★
12	TOP BOARD ★	47	FILTER ★
13	MOUNT FOR CUTTING BOARD ★	48	OUTER DRAIN PAN: 17817738
14	CUTTING BOARD: 178CBS1070/178CBSM770	49	COMPRESSOR: 17818892
15-1	BACK COVER 1 (BIGGER ONE): 17819395	50	SPLICE BOX ★
15-2	BACK COVER 2(SMALLER ONE): 17817168	51	START CAPACITOR ★
16-1	LID 1 (BIGGER ONE): 17815296	52	OVERLOAD PROTECTOR ★
16-2	LID 2 (SMALLER ONE): 17811362	53	STARTER ★
17	DOWEL: 17817446	54	K STRIP-2 HOLES: 17814517
18	PLASTIC BOLT: 17817446	55	K STRIP-3 HOLES: 17815412
19	NUT: 17817446	56	K CLIP: 178CLIP
20	SPLIT PIN: 17817446	57	SHELF: 178SHELFSC3
21	AIR DUCT SUPPORT ★	58	BACK GRILL ★
22	EVAPORATOR COVER ★	59	FAHRENHEIT TEMP DISPLAY INSTALLATION BOARD ★
23	AIR RETURN COVER ★	60	FOAMING HOLE COVER ★
24	INNER DRAIN PAN	61	DRAIN TUBE(16mm): 17819999
25	EVAPORATOR: 17816297	62	POWER CORD: 17810175
26	FAN MOTOR INSTALLATION PANEL ★	63	TEMPERATURE SENSOR 1 (THERMOSTAT): 17811959
27	LEFT CLAPBOARD OF EVAP ★	64	TEMPERATURE SENSOR 2(FAHRENHEIT TEMP DISP) ●
28	RIGHT CLAPBOARD OF EVAP ★	65	FAHRENHEIT TEMP DISPLAY: 17817225 ●
29	EVAPORATOR FAN MOTOR: 17813407	66	TRANSFORMER FOR FAHRENHEIT TEMP DISPLAY ●
30	STAND OFF BRACKET: 17818837	67	TRANSFORMER HOLDER ★ ●
31	THERMOSTAT INSTALLATION BOX ★	68	MIDDLE SMALL CASTER SUPPORT: N/A
32	THERMOSTAT: 17815350	69	MIDDLE SMALL CASTER: N/A
33	POWER SWITCH: Green-17810364 Red-17810365	70	PAN BRACKET-90mm
34	PAN BRACKET-15mm	71	TOP BOARD PLATE
35	PAN BRACKET-25mm: 17815874	72	WINDSHIELD STRIP

★ - Consult Factory

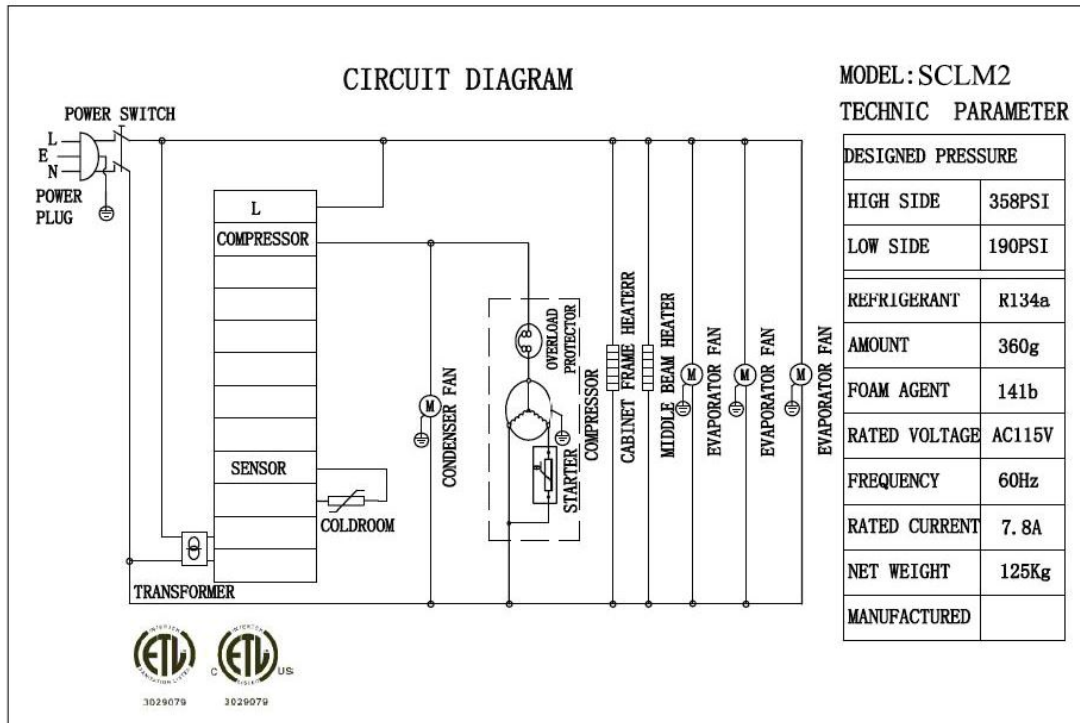
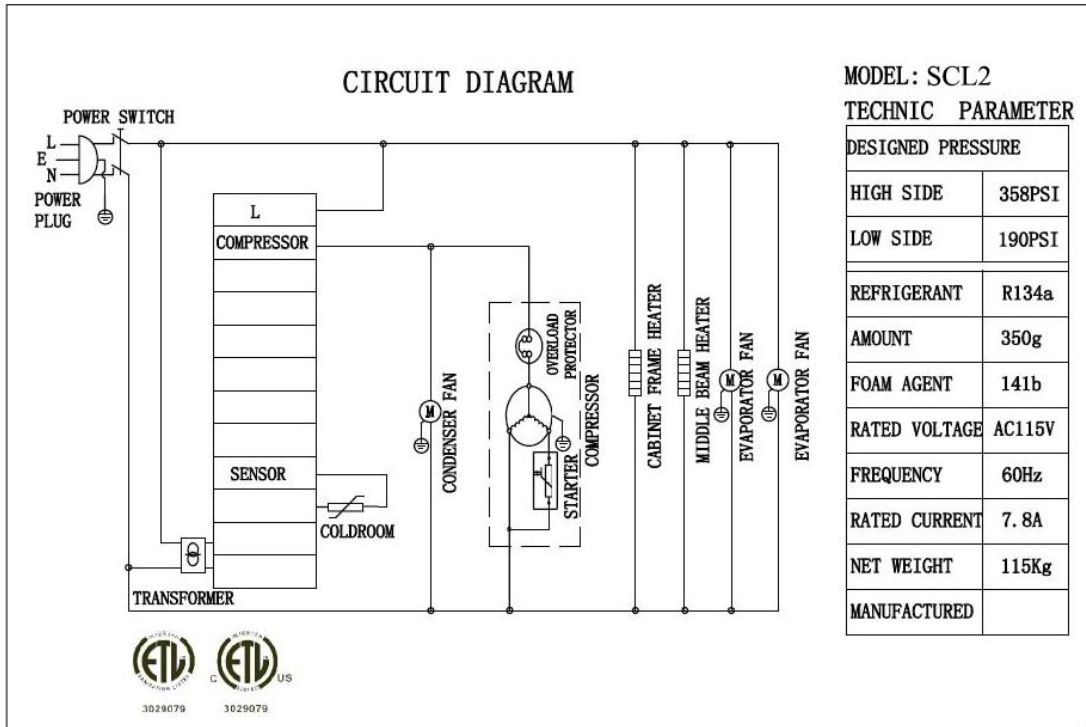
● - Only Units Manufactured Before 6/1/15.

2. WIRING DIAGRAM

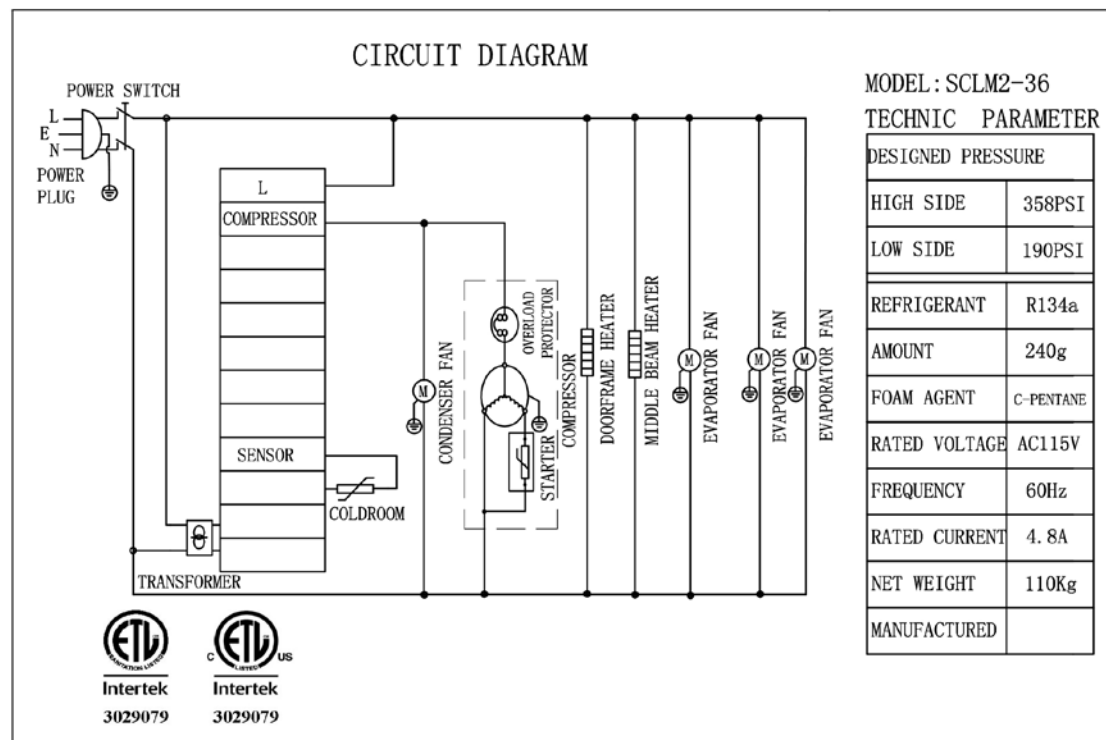
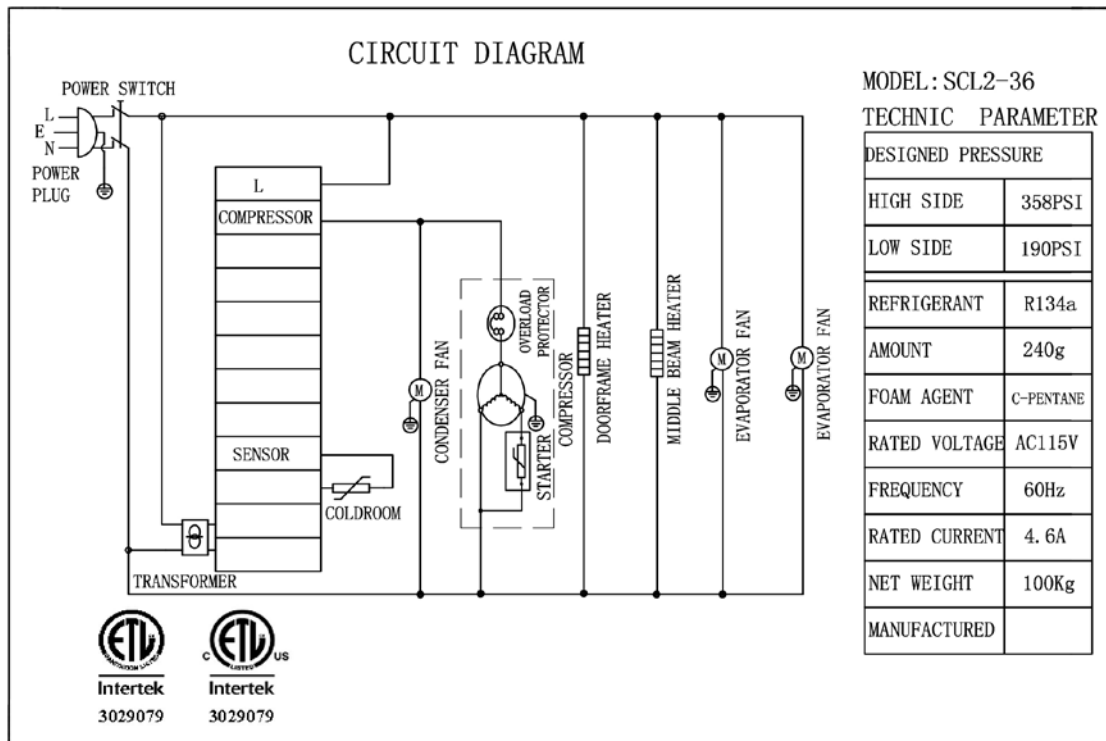
2.1 SCL1 & SCLM1



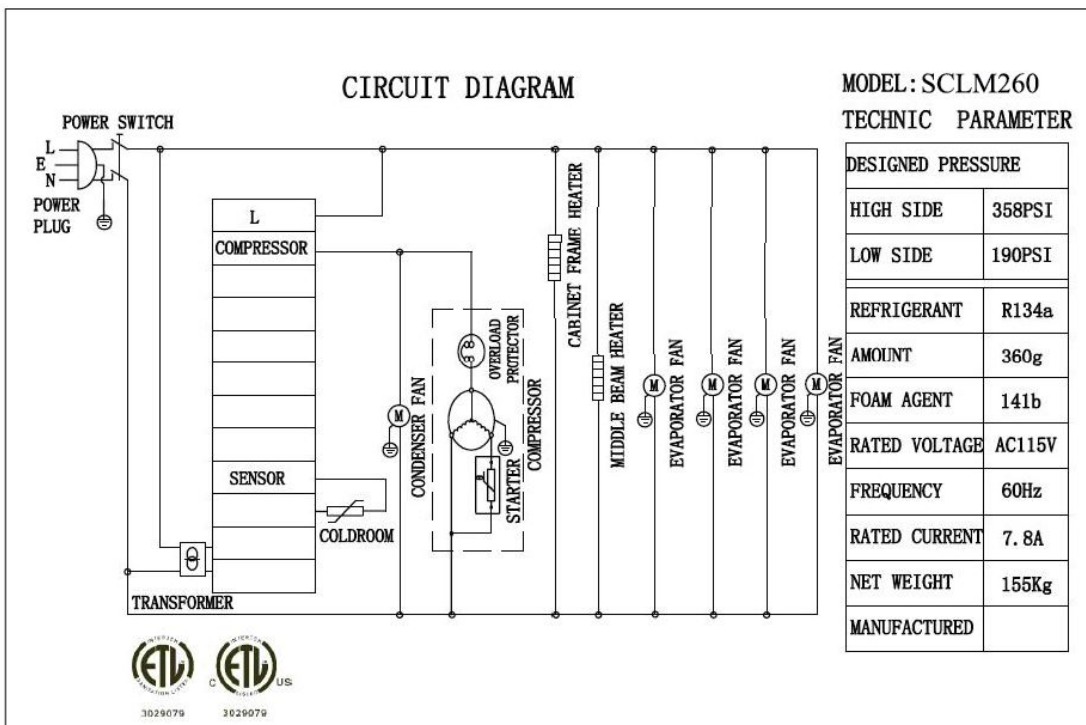
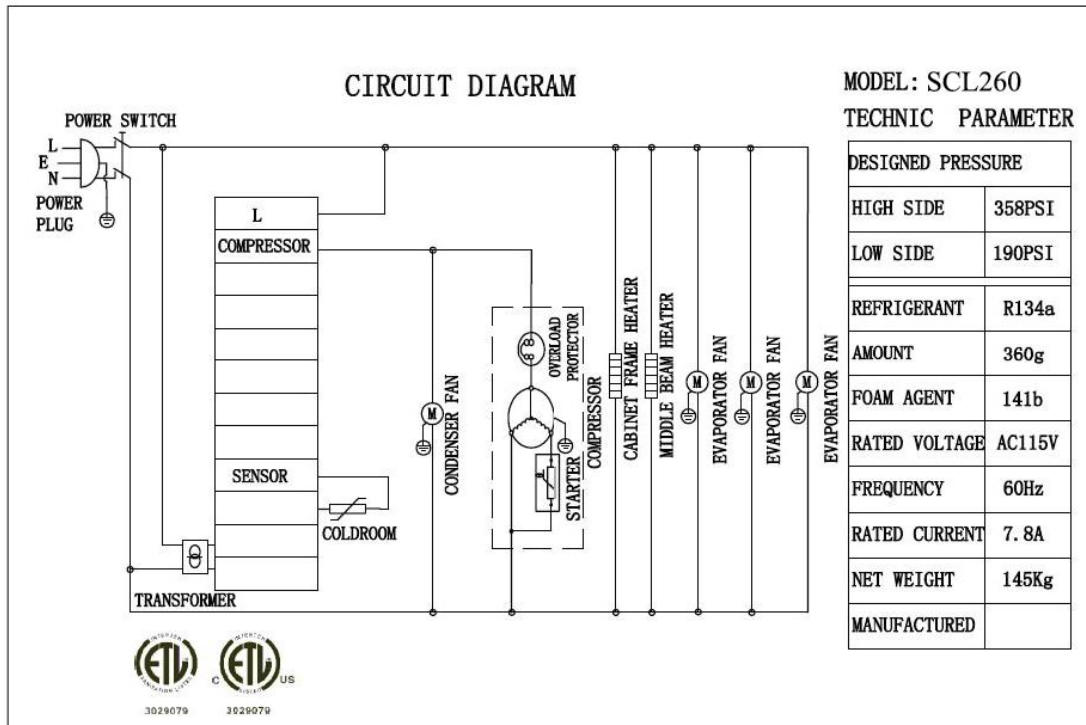
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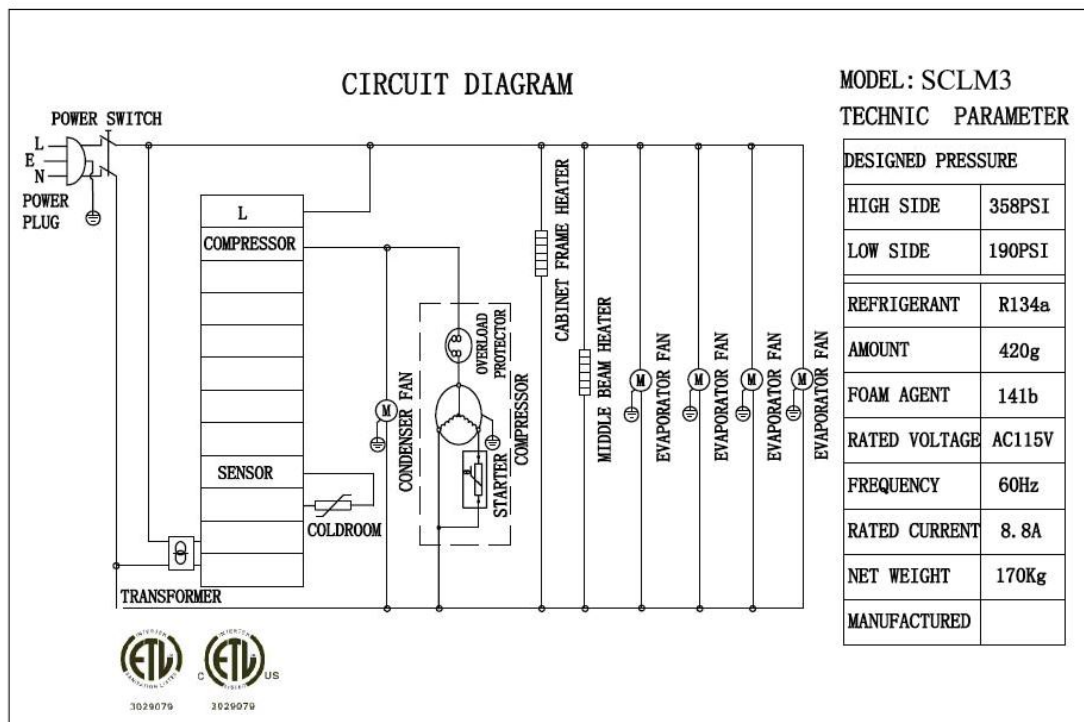
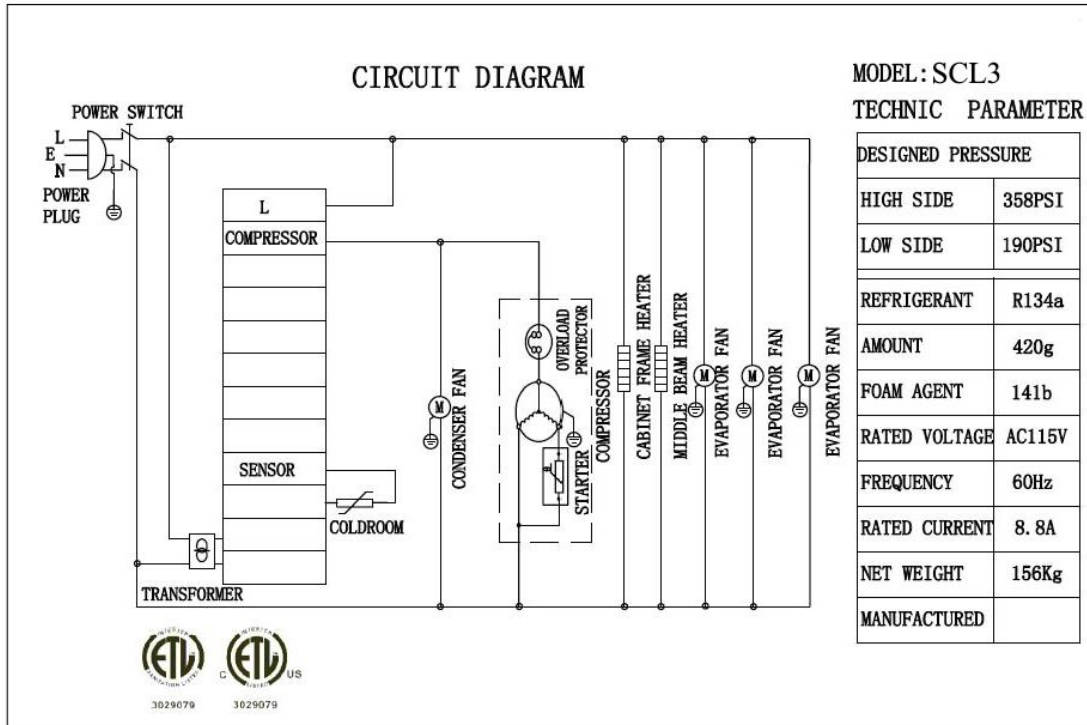
2.3 SCL236 & SCLM236



2.4 SCL260 & SCLM 260



2.5 SCL3 & SCLM3

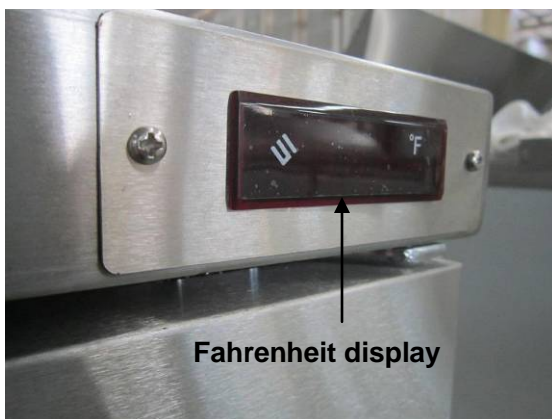
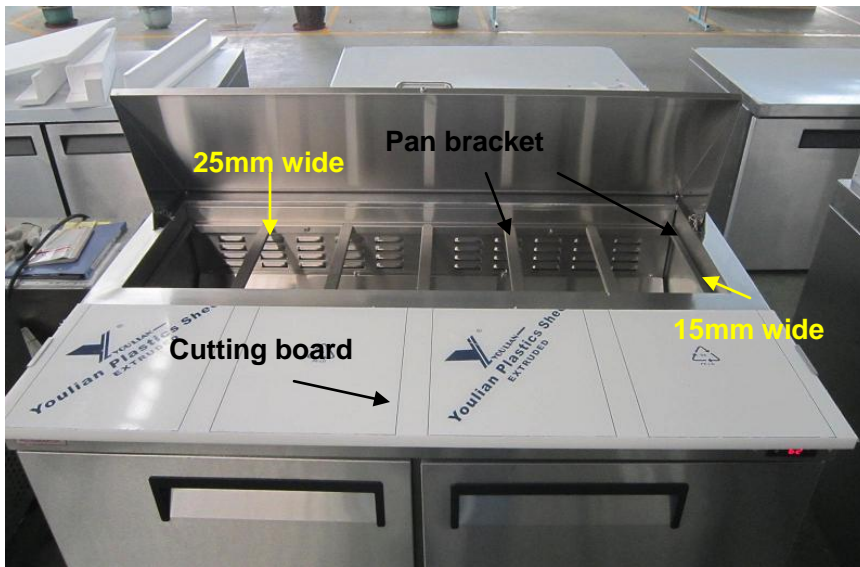


3. PART DETAIL

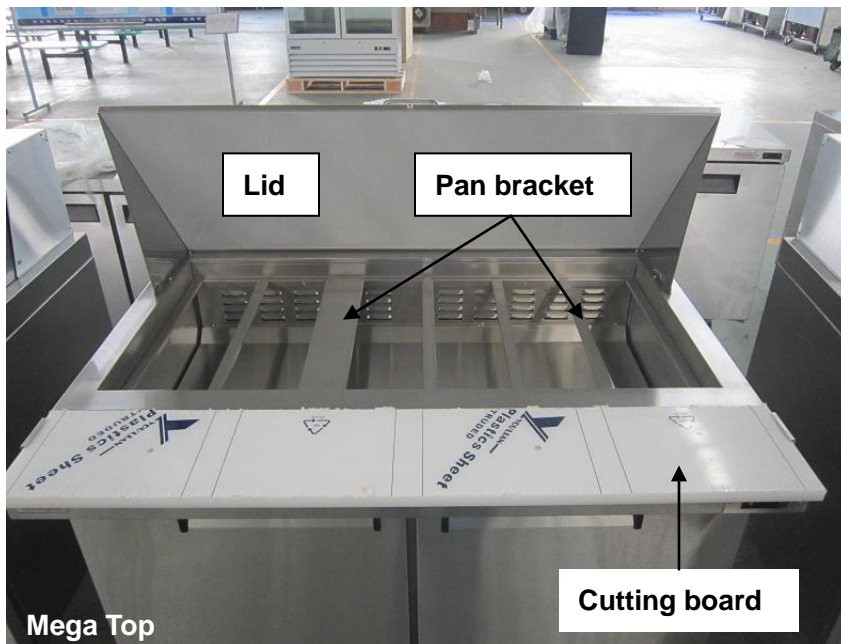
3.1 Front view

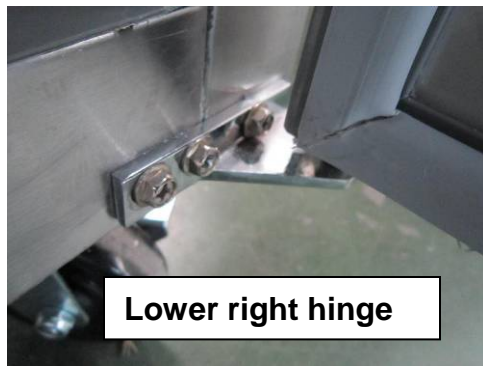
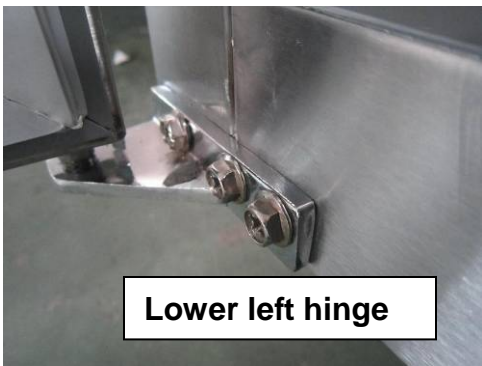


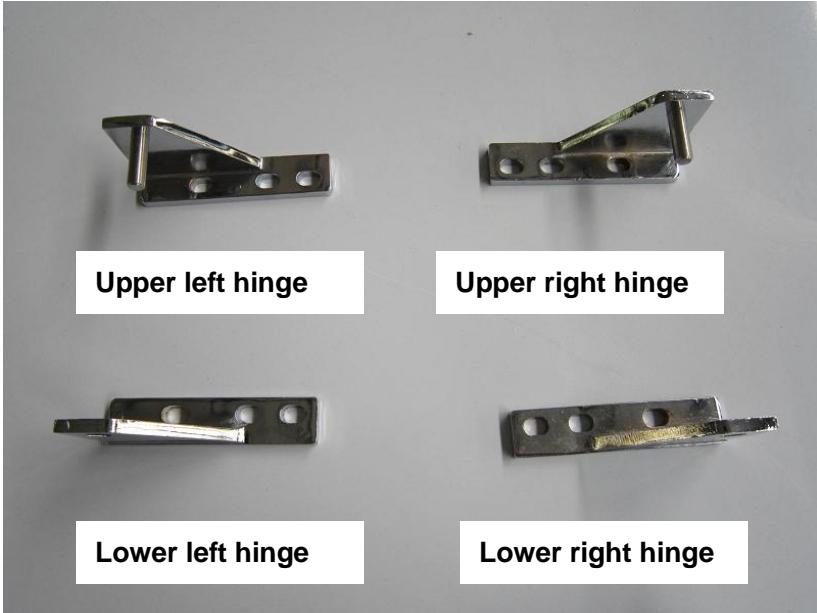
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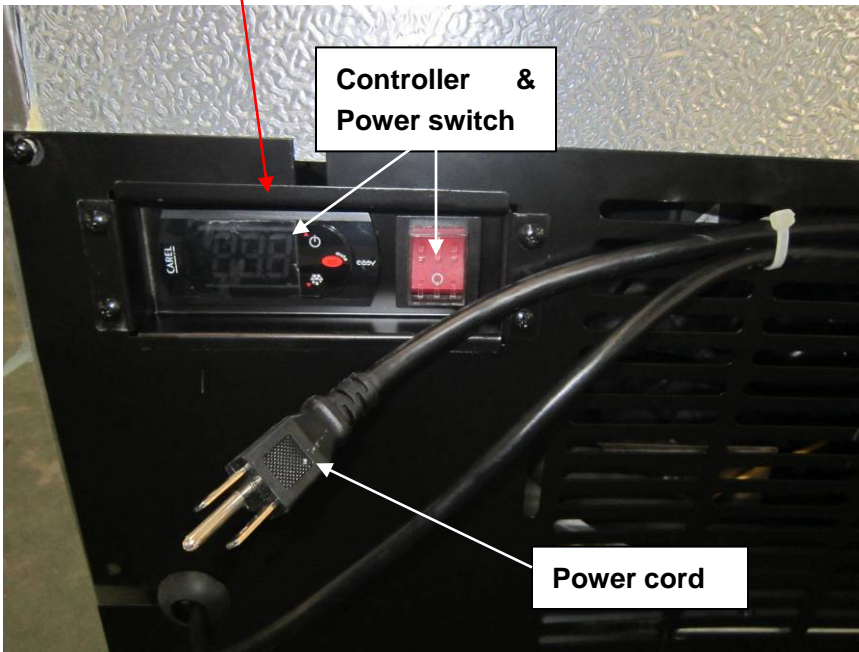
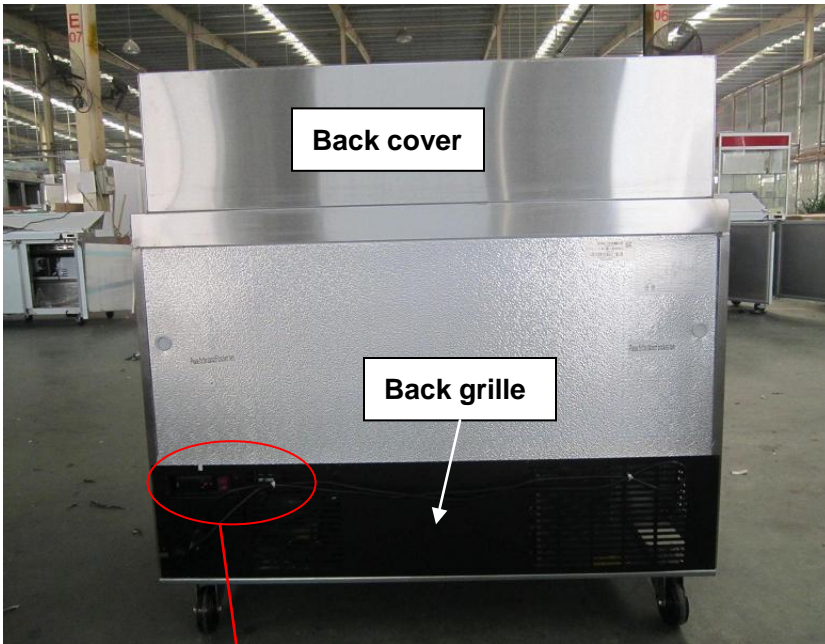
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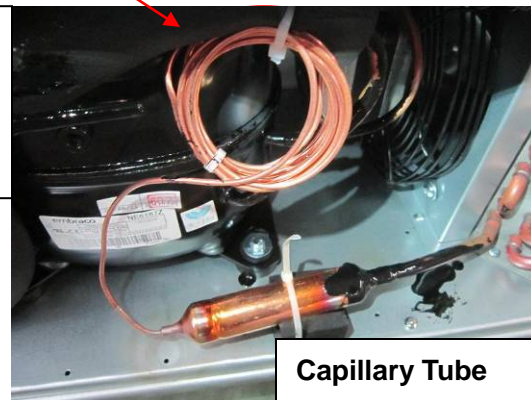
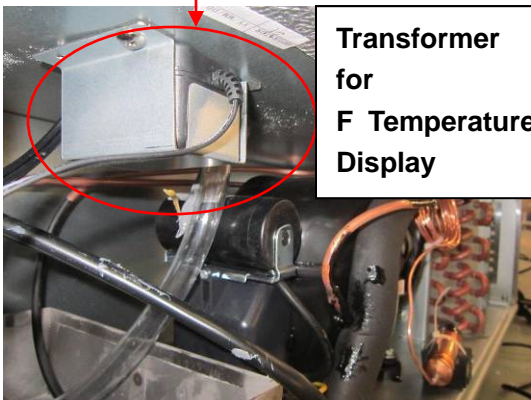
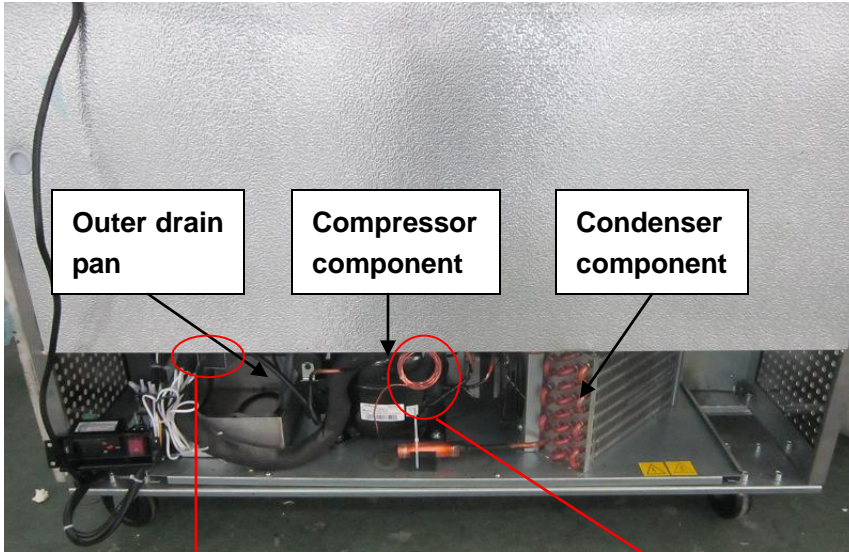




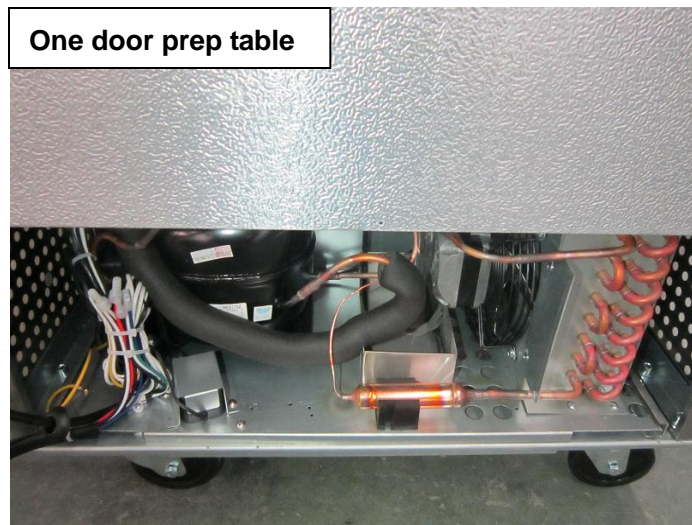


3.2 Back View

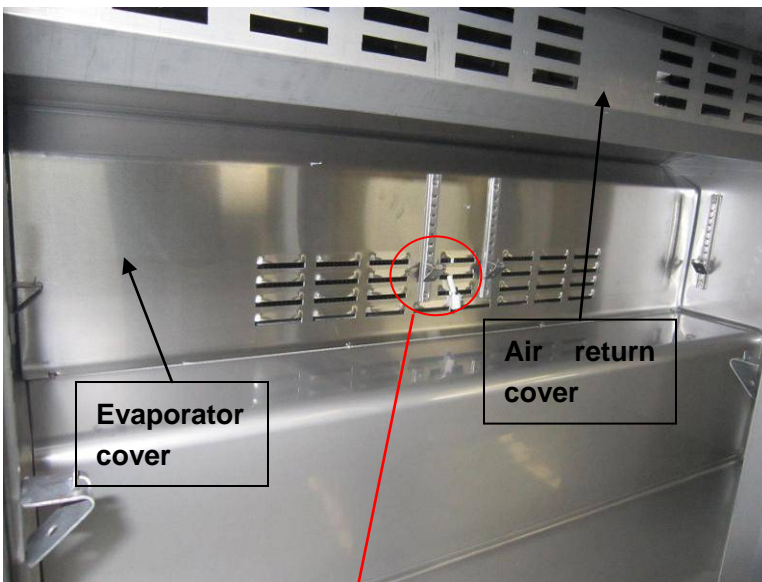
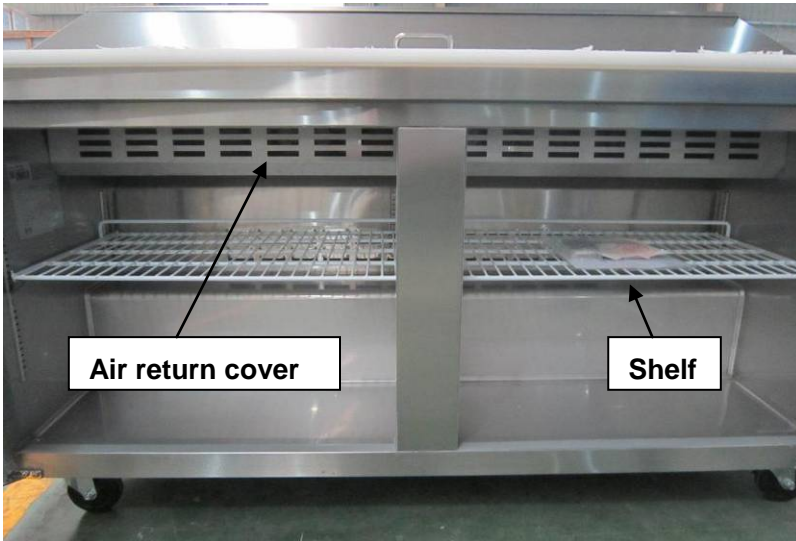




Only on units manufactured before 6/1/15.



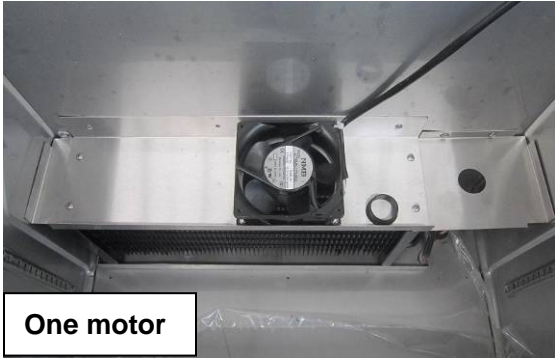
3.3 Inner View



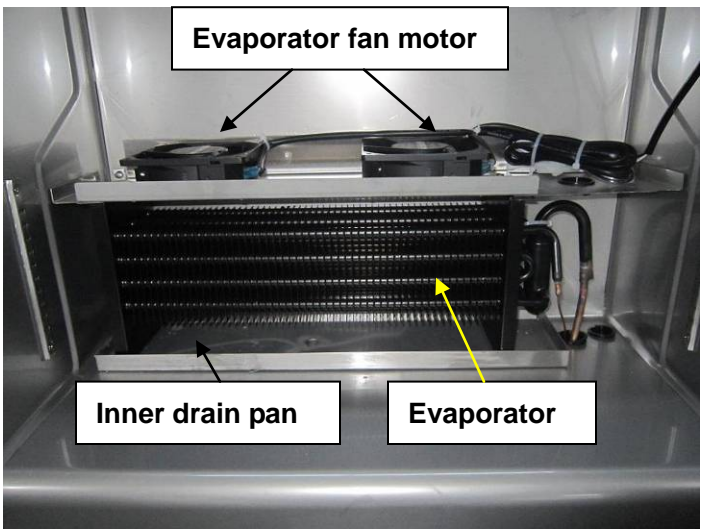
Only on units manufactured before 6/1/15.



White: Temp sensor for F Temperature display
Black: Temp sensor for digital controller



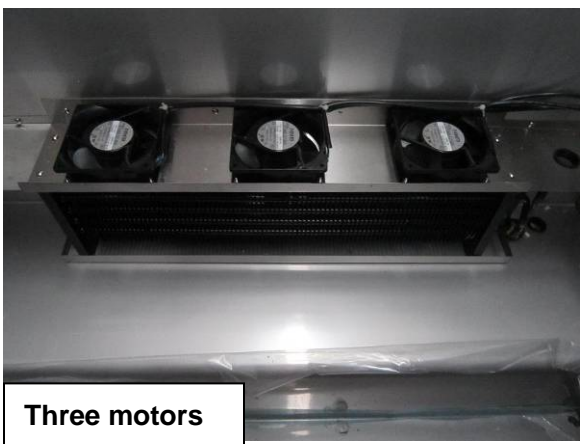
One motor



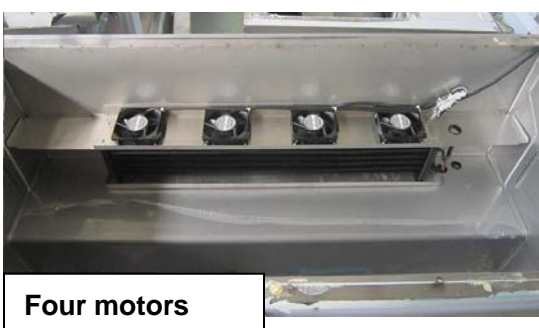
Evaporator fan motor

Inner drain pan

Evaporator



Three motors



Four motors

4. CONTROLLER INSTRUCTION

4.1 Refrigerator controller

Digital controller model: PJEZ



Dimensioni (mm) / Dimensions (mm)

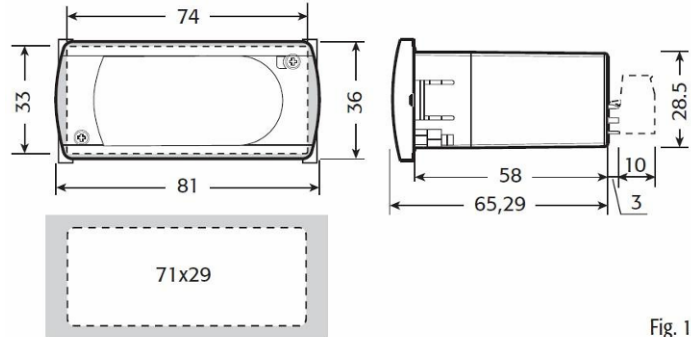


Fig. 1

Display and functions

During normal operation, the controller displays the value of the probe set using parameter/4(=1 ambient probe, default, = 2 second probe, = 3 third probe).In addition, the display has LEDs that indicate the activation of the control functions (see Table 1),while the 3 buttons can be used to activate/deactivate some of the functions(see Table 2).

LEDs and associated functions

icon	function	normal operation			start up
		ON	OFF	blink	
	compressor	on	off	request	ON
	fan	on	off	request	ON
	defrost	on	off	request	ON
AUX	aux	output on	output off	-	ON
	alarm	all	no alarm	-	ON
	clock	RTC fitted and enabled, at least 1 time band set	RTC not fitted or disabled, not even 1 time band set	-	ON if RTC fitted

Tab. 1

Table of functions activated by the buttons - models S, X, Y, C

button		normal operation		start up	
		pressing the button alone	pressed together		
	up ON/OFF	more than 3 s: toggle ON/OFF	Pressed together start/stop continuous cycle	-	
	down defrost	more than 3 s: start/stop defrost		Pressed together	for 1 s display firmware vers. code
	set mute	- 1 s.: display/set the set point - more than 3 s: access parameter setting menu (enter password '22') - mute audible alarm (buzzer)	-	start parameter reset procedure	for 1 s RESET current EZY set

Tab. 2

Setting the desired temperature

1. Press **SET** for 1 s, the set value will start flashing after a few moments;
2. Increase or decrease the value using **UP** or **DOWN**;
3. Press **SET** to confirm the new value.

Switching the device ON/OFF

Press **UP** for more than 3 s. The control and defrost algorithms are now disabled and the controller displays the message "OFF" alternating with the temperature read by the set probe.

Manual defrost

Press **DOWN** for more than 3 s (the defrost starts only if the temperature conditions are valid).

Continuous cycle

Press **UP** and **DOWN** together for more than 3 s.

Access and setting type F (frequent) and type C (configuration) parameters

1. Press **SET** for 3 s (the display will show "PS");
2. To access the type F and C parameter menu, press **SET**, enter the password "22" using **UP/DOWN**, press **SET** to confirm;

To access the F parameter menu only, press **SET** (without entering the password);

3. Scroll inside the parameter menu using **UP/DOWN**;
4. To display/set the values of the parameter displayed, press **SET**, then **UP/DOWN** and finally **SET** to confirm the changes (returning to the parameter menu).

To save all the new values and exit the parameter menu, press **SET** for 3 s;

To exit the menu without saving the changed values (exit by timeout) do not press any button for at least 60 s.

Correct Settings for CAREL Controllers (115V)

MODE	PJEZ(REFRIG)	DISPLAY
/5	1	TEMPERATURE UNIT F/C
/c1	0	CABINET OFFSET
/c2	0	EVAP OFFSET
St	33	USER SET POINT
rd	7	DIFFERENTIAL
r1	33	LOW LIMIT
r2	43	HIGH LIMIT
c0	2	COMPRESSOR DELAY
dl	3	DEFROST INTERVAL TIME
dt1	43	DEFROST TERMINATION TEMP
dP1	20	MAX DEFROST DURATION
F0	N/A	FAN OPERATING FUNCTION
F1	N/A	FAN STARTING TEMPERATURE
F2	N/A	FAN STOPS WHEN COMPRESSOR STOPS
F3	N/A	FAN MODE DURING DEFROSTING

5. REPLACEMENT OF MAIN PARTS

CAUTION!!!

Before beginning with replacement work make sure the device has been disconnected from the power socket (pull the power plug) and has been cooled down.

5.1 Door

A. Unscrew the bottom hinge. Be sure to have another person hold the door to prevent it from falling.

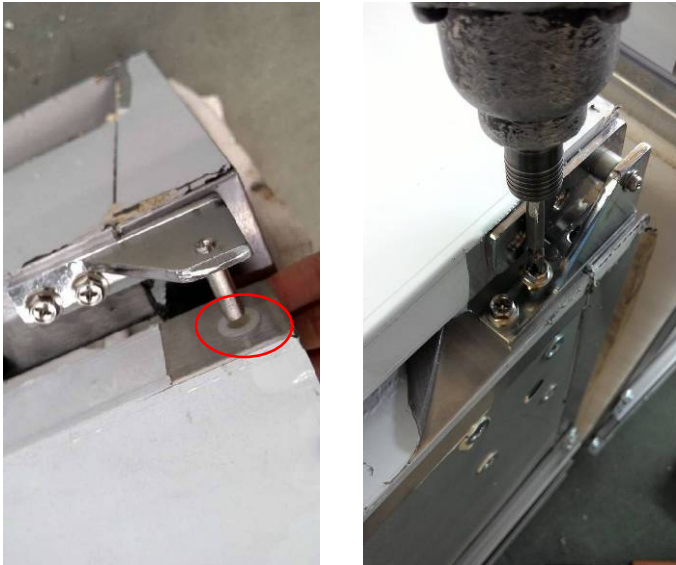


After unscrewing the bottom hinge, you can pull down the door from the top hinge and replace the door/hinge/spring hinge/gasket.

B. Install a new door. Assemble the lower hinge with the spring hinge first.

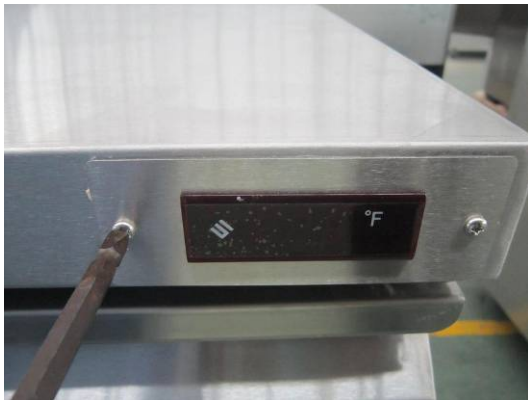


C. Match the upper hinge and hinge axis, and assemble the bottom hinge.

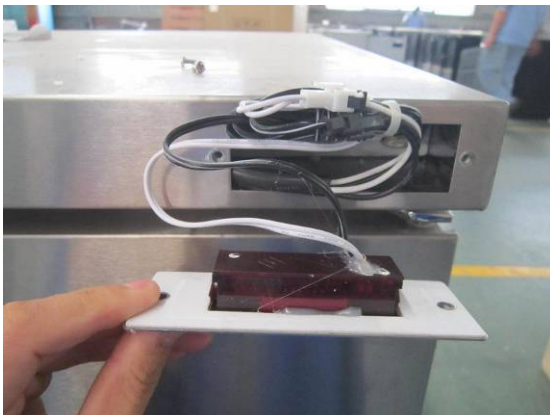


5.2 Replacing the Temperature Display (Only for units manufactured before 6/1/15.)

E. Unscrew the Fahrenheit temp display board



F. Disconnect the wire and replace the Fahrenheit temp display



5.3 Compressor & Condenser unit

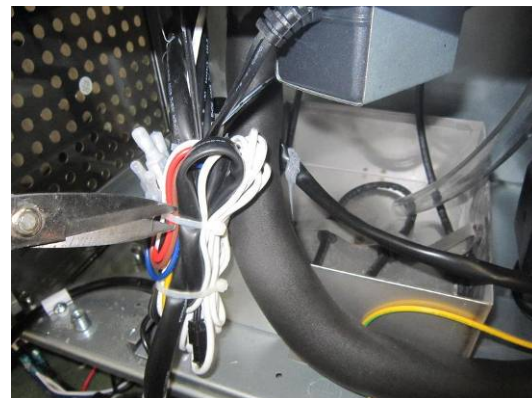
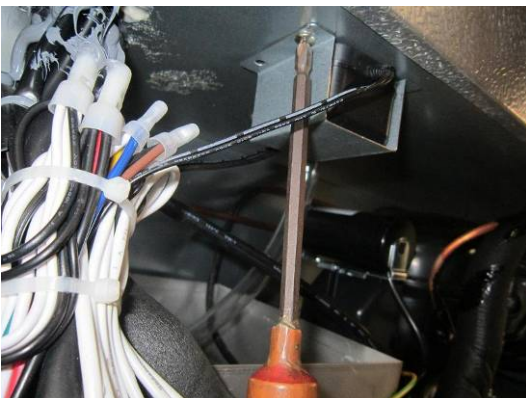
A. Disassemble the back grille and controller installation box



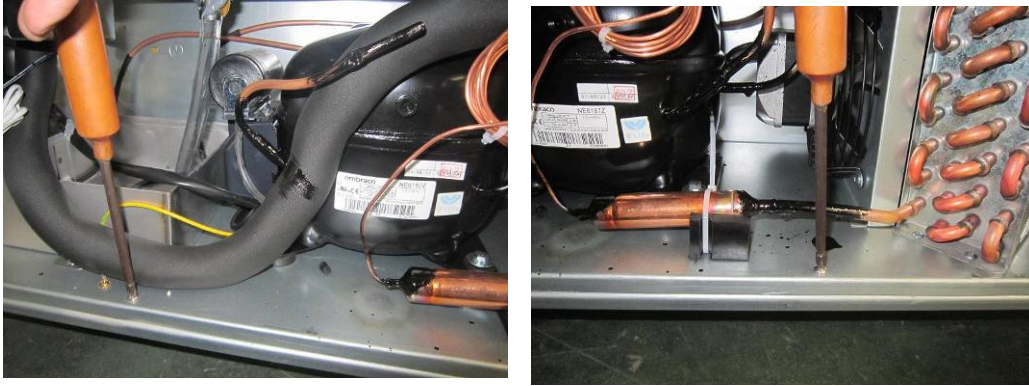
B. Remove the back grille



C. Disconnect the wire & cable tie, unscrew the screws.



D. Unscrew the compressor unit installation board



E. Cut the cable tie used to attach the capillary tube so that you can pull out the compressor unit installation board and replace the main parts here.



WARNING! Danger of burns!
*The compressor's surface may be very hot during normal use.
Never touch it with bare hands.*

The dimensions of welding copper pipes for your reference:

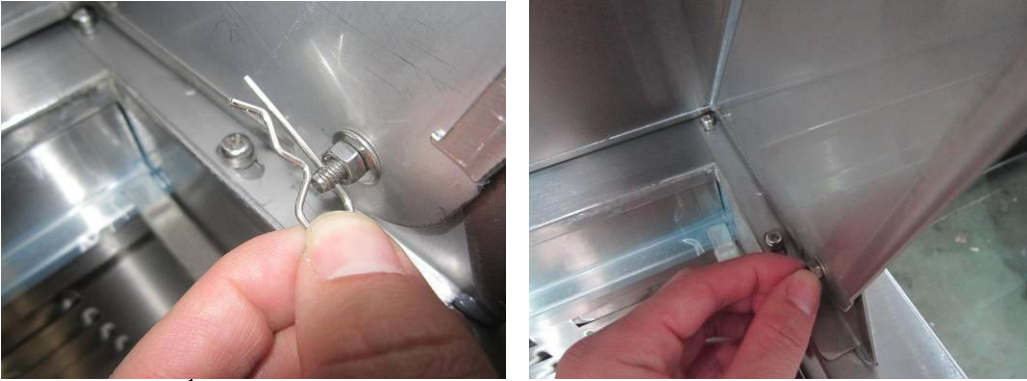
Compressor	Maker	Compressor power hp	Suction line (mm)	Discharge line(mm)
NE6170Z	EMBRACO ASPERA	1/4	Φ8	Φ6
NE6187Z		1/3		
T6213Z		1/2		

Filter	Dimension(mm)	Inlet line(mm)	Outlet line(mm)
	φ25×140	φ8	Φ2.5
	φ25×187	φ8	Φ3.2

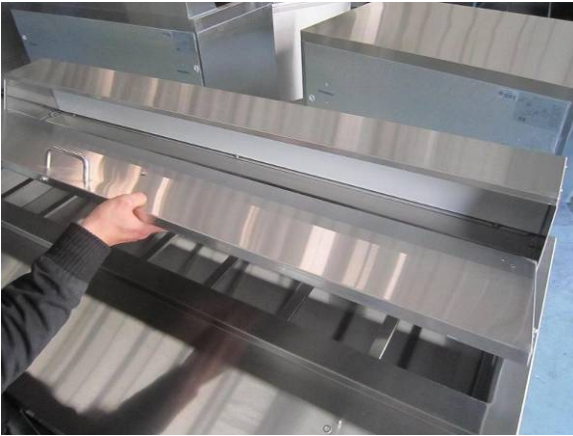
Model	Compressor	Parts name	Parts NO.	Description	
SCL 1 SCLM 1	NE6170Z	COMPRESSOR COMPONENT	17817554	START CAPACITOR	2252349
				RUN CAPACITOR	/
				STARTER	2334101
				OVERLOAD PROTECTOR	2319080
SCL2 SCLM 2 SCL 260 SCLM 260	NE6187Z	COMPRESSOR COMPONENT	17810635	START CAPACITOR	2252335
				RUN CAPACITOR	/
				STARTER	2283001
				OVERLOAD PROTECTOR	2321070
SCL 3 SCLM 3	T6213Z	COMPRESSOR COMPONENT	17818892	START CAPACITOR	2252335
				RUN CAPACITOR	/
				STARTER	2283041
				OVERLOAD PROTECTOR	2285096

5.4 Lids and evaporator unit

A. Unscrew the hinge pin component



B. Remove the lid(s) and pan brackets.



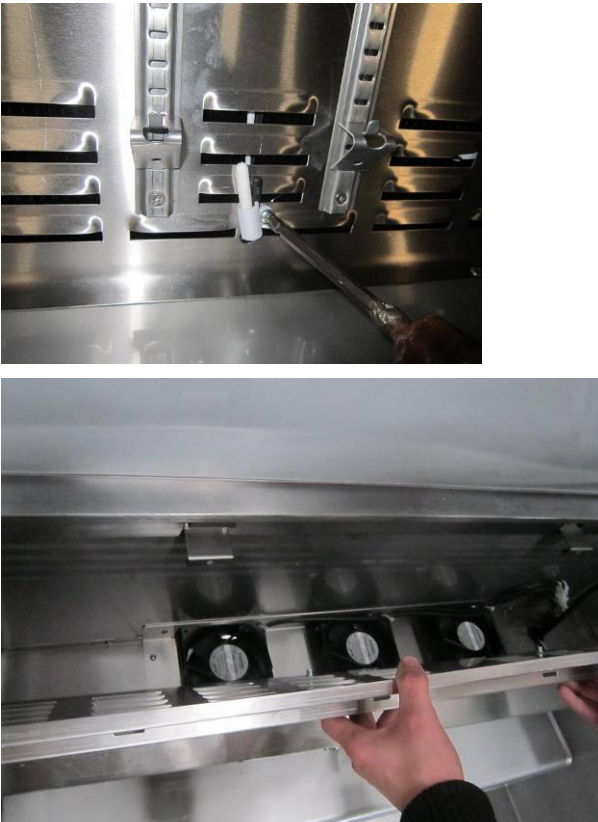
C. Unscrew the air return cover and remove it.



D. Unscrew the evaporator fan cover after removing the air return cover

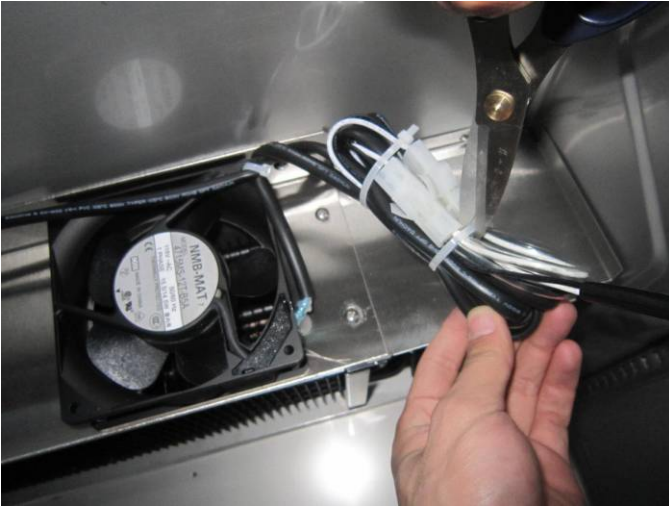


E. Unscrew the temperature sensor mount and remove the evaporator fan cover



You can replace evaporator fan motor here.

F. Disconnect the wire connection for the evaporator fan motor



G. Unscrew the evaporator fan motor installation board. Disconnect the evaporator fan motor



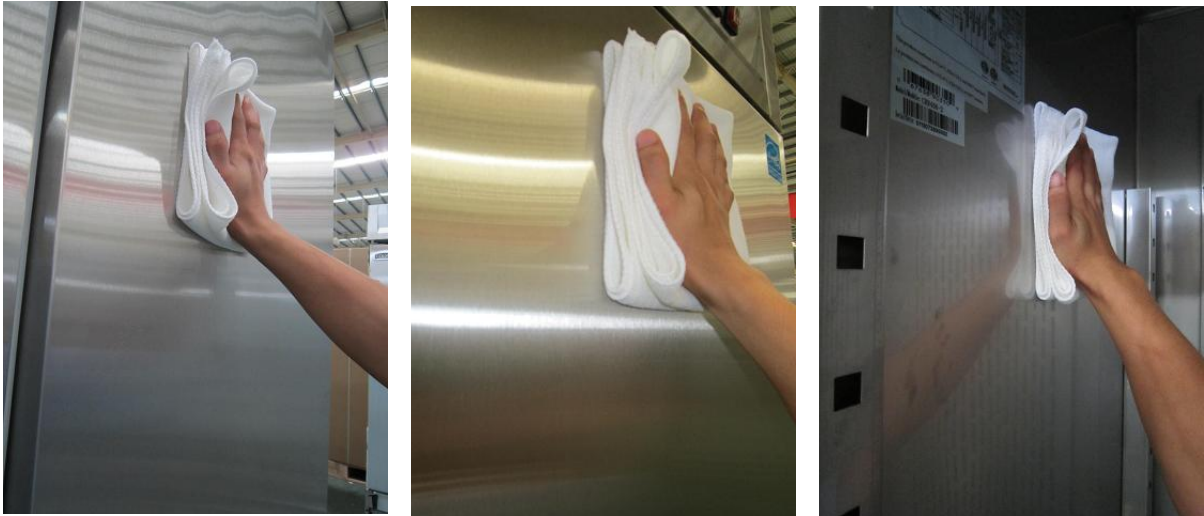
You can replace evaporator unit and inner drain pan here after removing the evaporator fan motor and fan motor installation board

6. CLEANING AND MAINTENANCE

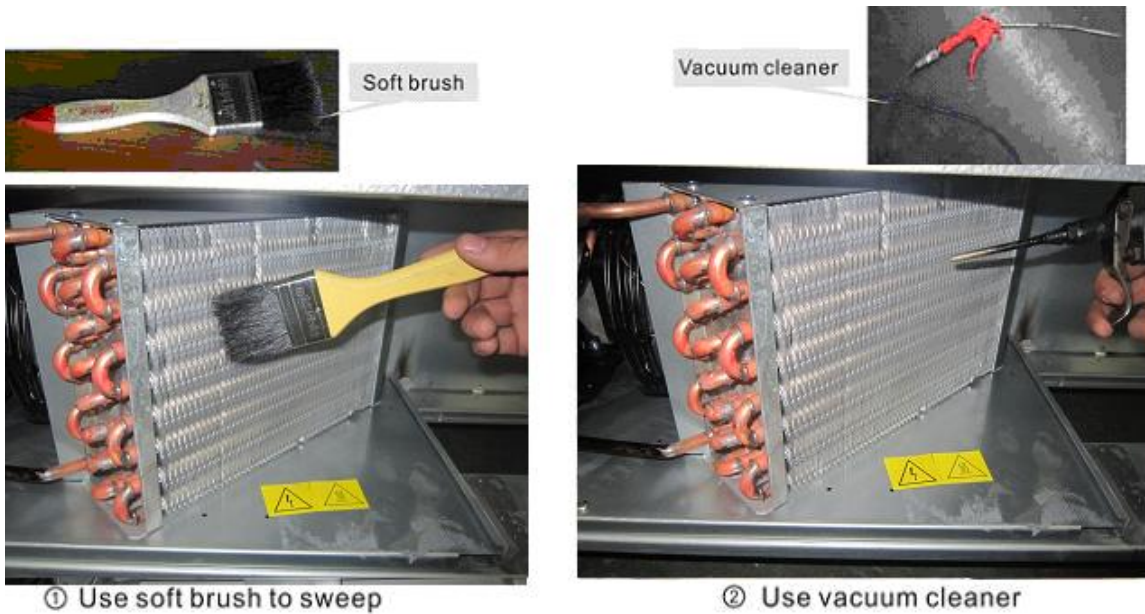
6.1 CLEANING

CAUTION!!! Before cleaning the cabinet, ensure it is disconnected from the main power supply.

A. Clean exterior and interior of the device with a moist and soft cloth. Dry and polish the device with a soft and dry cloth after cleaning.



B. Use a vacuum cleaner and soft brush to carefully clean the surface of the condenser unit.



Tips for cleaning

1. Clean the device regularly.
2. Never use harsh cleaning substances such as scouring powder or cleaners containing alcohol or solvents that could damage the device's surface
3. Condenser unit must be always keep clean and free of dust. If not, the device will not cool properly.
4. Never use a stiff brush to clean the device.
5. Do not pressure wash the unit.

6.2 Maintenance

1. Clean the exterior and interior of the device and condenser unit regularly.
2. Check the main connection cable for damage from time to time. Never operate the device when the cable is damaged. A damaged cable must immediately be replaced by customer service or a qualified electrician.
3. In case of damage or malfunction, please contact our customer service center at 1-800-678-5517.
4. If the device is not going to be used for a long period time, remove the plug from its socket and remove the food in the device. Clean and dry the device thoroughly.
5. Only a qualified technician and using original spare parts and accessories should carry out repairs and maintenance of the device. Do not attempt to repair the device yourself.

7. TROUBLESHOOTING

TROUBLESHOOTING GUIDE	Before calling for service, review this list. It may save you time and expense. This list includes common occurrences that are not the result of defective workmanship or materials in this appliance.	
PROBLEM	CAUSE	CORRECTION
APPLIANCE OPERATION		
Appliance does not run	·Appliance is plugged into a circuit that has a ground fault	·Use another circuit. If you are unsure about the outlet, have it checked by a certified technician
	·Temperature control is in the "OFF" position.	·See "controller instruction"
	·Appliance may not be plugged in, or plug may be loose.	·Ensure plug is tightly pushed into outlet
	·House fuse blown or tripped circuit breaker.	·Check/replace fuse with a 15 amp time delay fuse. Reset circuit breaker
	·Power outage	·Check house lights. Call local Electric Company
Appliance runs too much or too long	·Room or outside weather is hot.	·It's normal for the appliance to work harder under these conditions.
	·Appliance has recently been disconnected for a period of time	·It takes hours for the appliance to cool down completely.
	·Large amount of warm or hot food have been stored recently.	·Warm food will cause appliance to run more until the desired temperature is reached
	·Door is opened too frequently or kept open too long or slightly open	·Warm air entering the appliance causes it to run more. Open the door less often. Completely close the door
	·Temperature control is set too low	·Set the controller to a warmer setting. Allow several hours for the temperature to stabilize
	·Appliance gaskets are dirty, worn, cracked or poorly fitted.	·Clean or change gasket. Leaks in the lid seal will cause appliance to run longer in order to maintain desired temperature
Interior appliance temperature is too cold	·Temperature control is set too low	· Set the controller to a warmer setting. Allow several hours for the temperature to stabilize
Interior appliance temperature is too warm.	·Temperature control is set too warm.	Set the controller to a colder setting. Allow several hours for the temperature to stabilize
	·Door is opened too frequently or kept open too long.	·Warm air entering the appliance causes it to run more. Open the door less often
	·Appliance door may be slightly open	·Completely close the door
	·Large amount of warm or hot food have been stored recently.	·Wait until the appliance has had a chance to reach its selected temperature.
	·Appliance has recently been disconnected for a period of time	·Appliance requires hours to cool down completely.
Appliance external surface temperature is warm.	·The external appliance walls can be as much as 30°F warmer than room temperature.	·This is normal while the compressor works to transfer heat from inside the appliance cabinet

PROBLEM	CAUSE	CORRECTION
SOUND AND NOISE		
Louder sound levels whenever appliance is on.	-Modern appliances have increased storage capacity and more stable temperatures. They require heavy duty compressors.	-This is normal. When the surrounding noise level is low, you might hear the compressor running while it cools the interior.
Louder sound levels when compressor comes on.	-Appliance operates at higher pressure during the start of the ON cycle.	-This is normal. Sound will level off or disappear as appliance continues to run.
Popping or cracking sound when compressor comes on	-Metal parts undergo expansion and contraction, as in hot water pipes	-This is normal. Sound will level off or disappear as appliance continues to run.
Bubbling or gurgling sound	-Refrigerant(used to cool appliance) is circulating	-This is normal.
Vibrating or rattling noise.	-Appliance is not level. It rocks on the floor when it is moved	-Level the appliance by putting wood or metal shims under part of the appliance.
	-Floor is uneven or weak	-Ensure floor can adequately support appliance. Level the appliance by putting wood or metal shims under part of the appliance.
	-Appliance is touching the wall	-Re-level appliance or move appliance slightly
WATER / MOISTURE / FROST INSIDE APPLIANCE		
Moisture forms on inside appliance walls.	-Weather is hot and humid, which increases internal rate of frost build up.	-This is normal.
	-Door is slightly open.	-Make sure the door is closed completely
	-Door is kept open too long or is opened too frequently.	-Open the door less often
ODOR IN APPLIANCE		
Odors in appliance	-Interior needs to be cleaned	-Clean interior with sponge, warm water, and baking soda.
	-Foods with strong odors are in the appliance.	-Cover the food tightly.
DOOR PROBLEMS		
Door will not close.	-Appliance is not level. It rocks on the floor when it is moved slightly	-Level the appliance by putting wood or metal shims under part of the appliance.
	-Floor is uneven or weak.	-Ensure floor can adequately support appliance. Level the appliance by putting wood or metal shims under part of the appliance
LIGHTING PROBLEMS		
Light bulb is not on.	-The fluorescent lamp or light bulb is burned out.	-Turn off the power and replace a new lamp
	-No electric current is reaching the appliance	-Check the plug and house light

