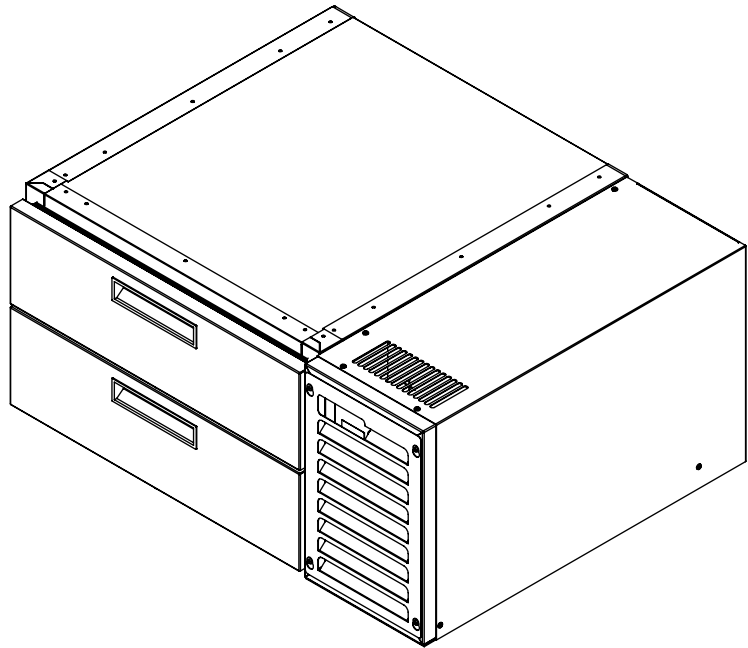




Your Solutions Partner

Illustrated Parts List



UTR-60 UNDER COUNTER REFRIGERATED UNIT

UTR-60 ASSEMBLIES:

2500942 2500943 2500943-SP

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Duke Manufacturing Co.

2305 N. Broadway • St. Louis, MO 63102

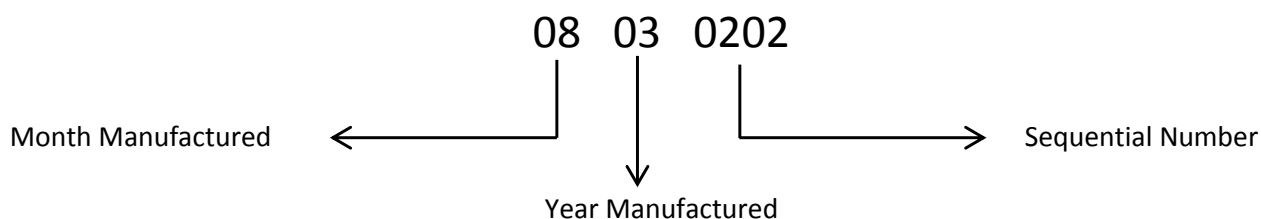
800.735.3853 • 314.231.1130

Fax: 314-231-5074

www.dukemfg.com

How to Determine Manufacture Date from Duke Equipment Serial Numbers

All units currently manufactured in St. Louis and Sedalia, Missouri (After 2/1/2013):



(Example: 08030202 = Indicates the unit was manufactured in August of 2003)

Units Manufactured in St. Louis, Missouri (Before 2/1/2013):

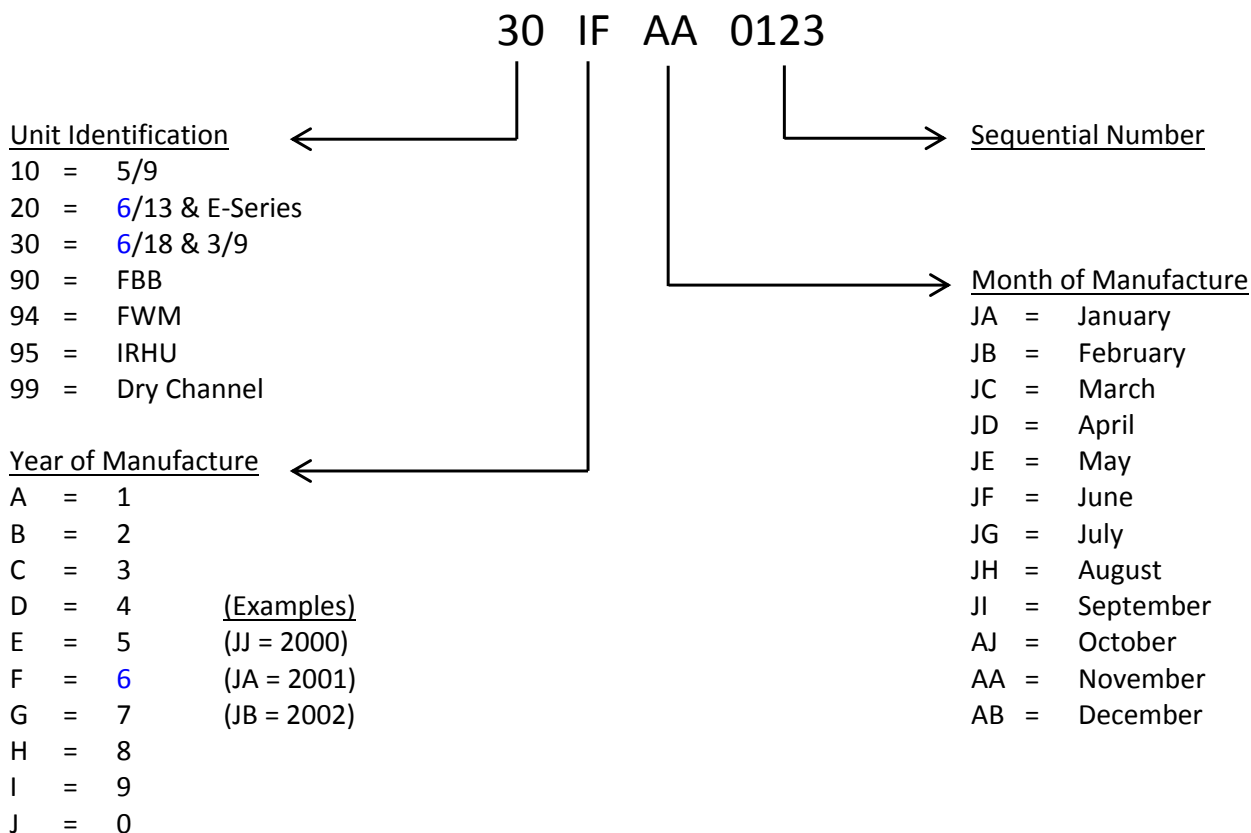
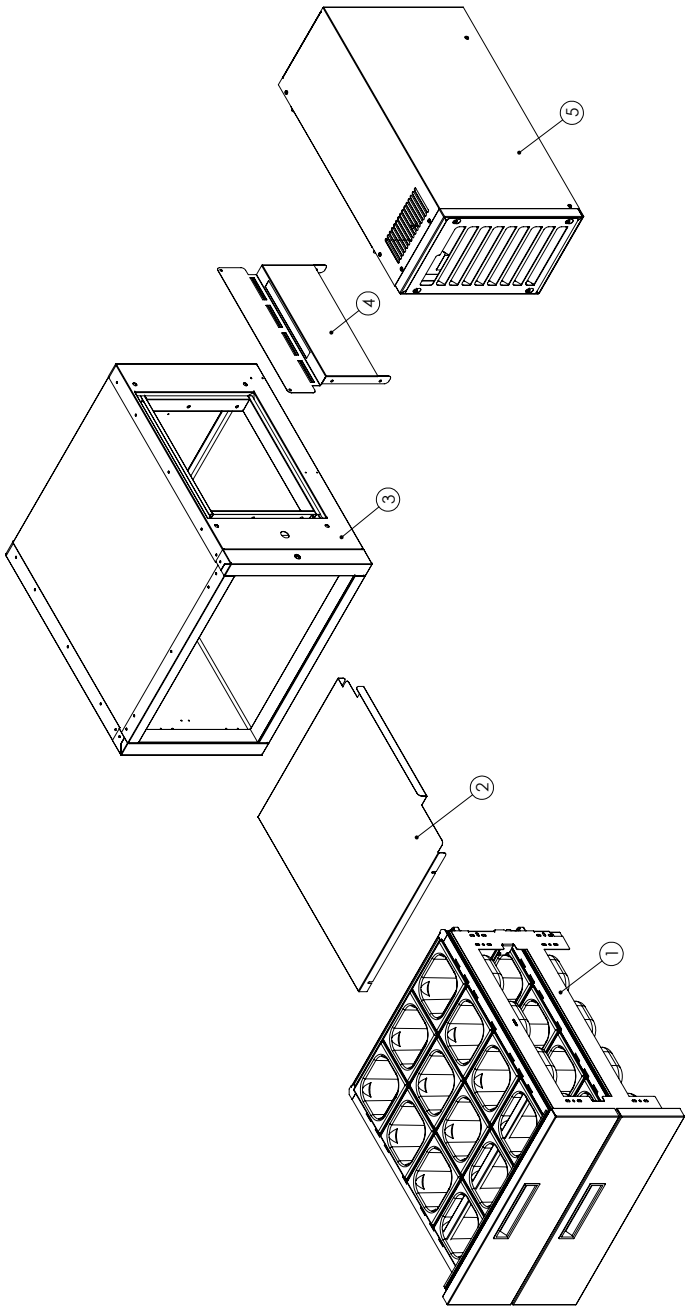


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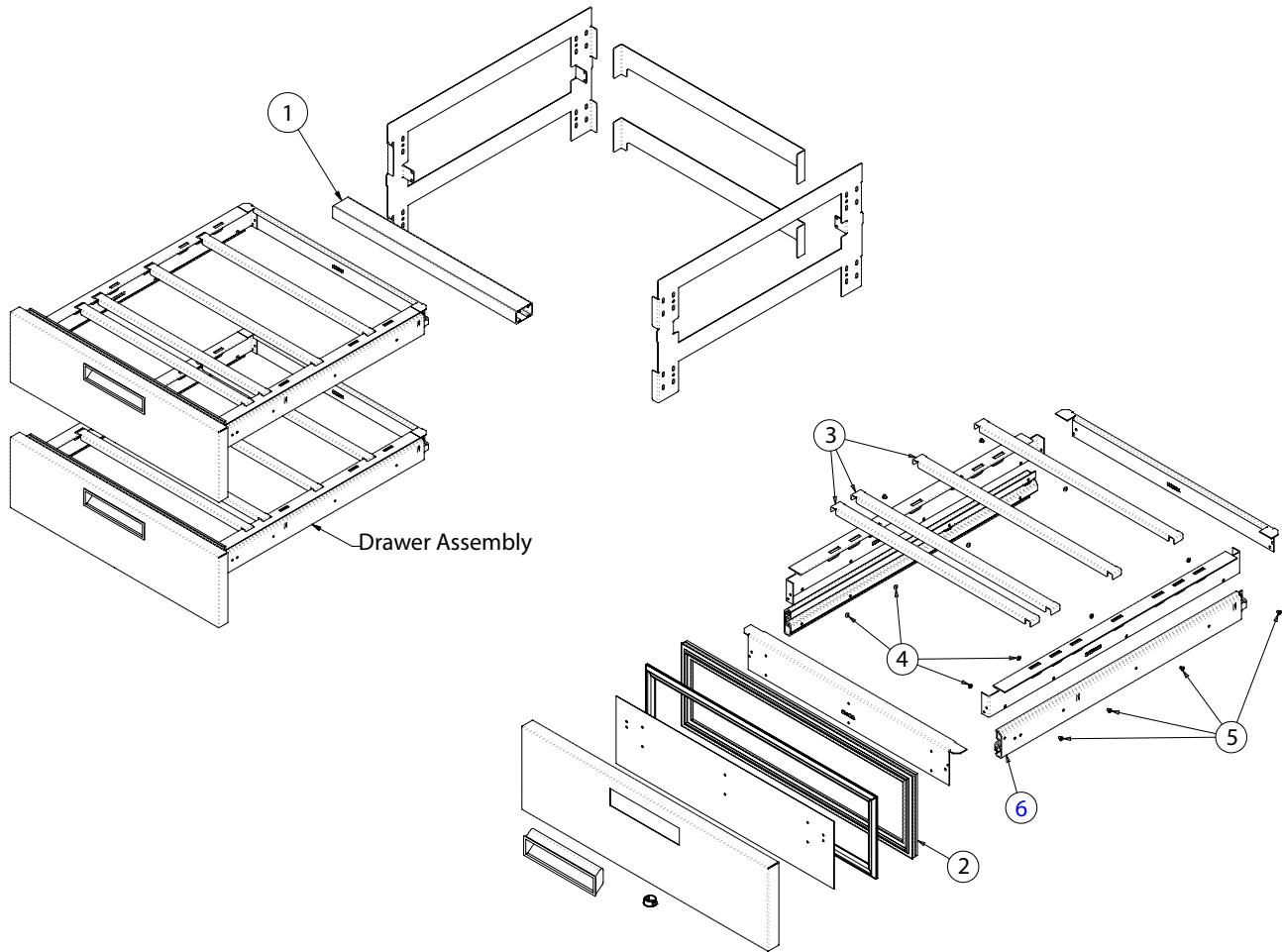
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UTR-60, 2 DRAWER ASSEMBLY



ITEM	PART #	DESCRIPTION	L/H UTR-60 (2500942)	RH UTR-60 (2500943)	RH UTR-60 (2500943-SP)
1	290322	ASSEMBLY, UTR DRAWER SLIDE-IN	1	1	
	1093-2122	ASSEMBLY, UTR DRAWER SLIDE-IN SP			1
2	290324	PANEL, AIR DIVIDER 60" LH UTR	1		
	290323	PANEL, AIR DIVIDER 60" RH UTR		1	1
3	290321K	ASSEMBLY, CABINET FOAMED BODY, LH UTR	1		
	290320K	ASSEMBLY, CABINET FOAMED BODY, RH UTR		1	
	1093-2120K	ASSEMBLY, CABINET FOAMED BODY, RH UTR			1
4	290327	PANEL, EVAPORATOR COVER, UTR-60	1	1	1
5	290319	UTR MECHANICAL ASSEMBLY, LH (See pages 6 & 7)	1		
	290318	UTR MECHANICAL ASSEMBLY, RH (See pages 6 & 7)		1	1

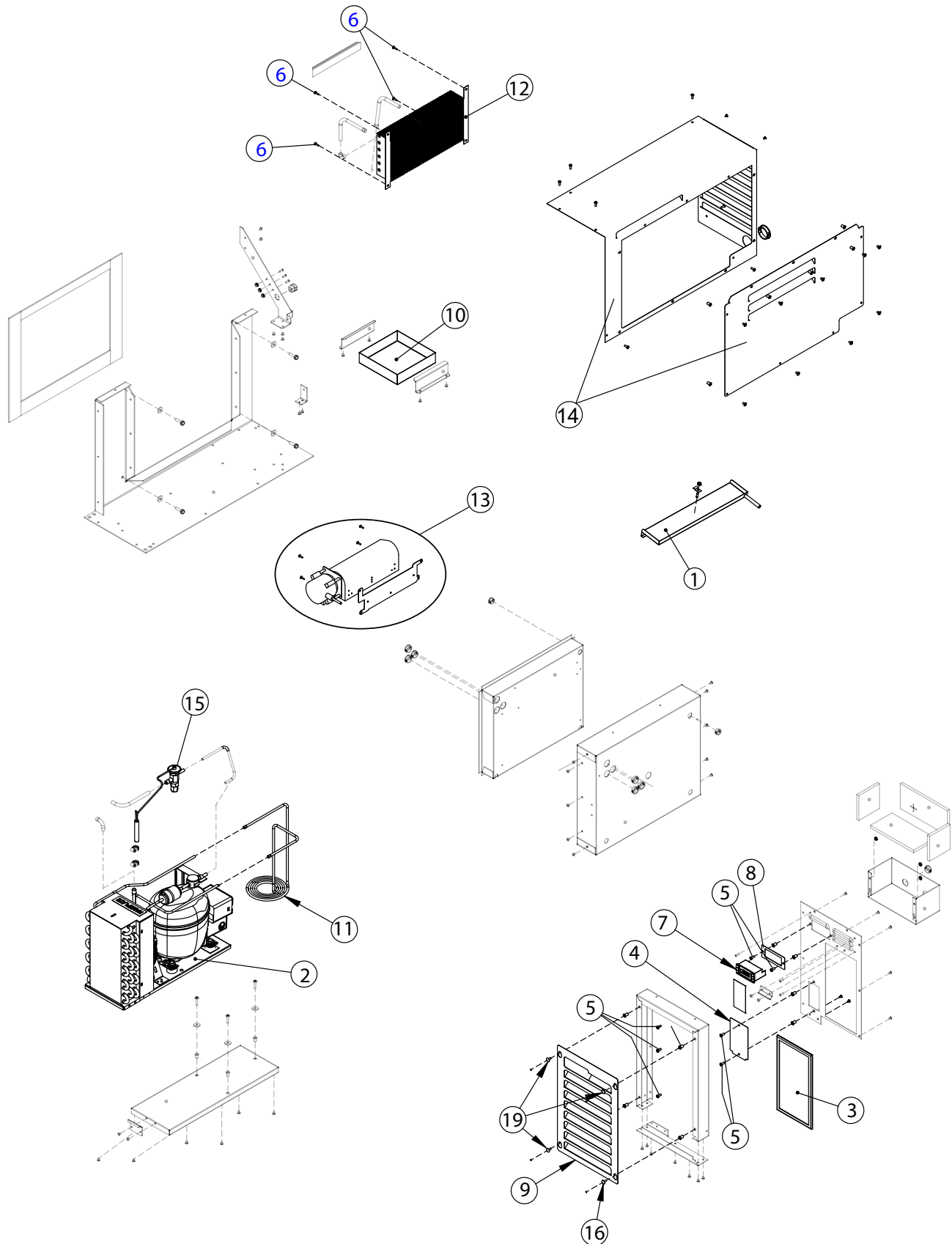
UTR-60 DRAWER SLIDE-IN



Exploded View - Drawer Assembly

ITEM	PART #	DESCRIPTION	L/H UTR-60 (2500942)	RH UTR-60 (2500943)	RH UTR-60 (2500943-SP)
1	2500048	SERVICE, HORIZONTAL MULLION ASSEMBLY, UTR	1	1	
	1093-2123K	SERVICE, HORIZONTAL MULLION ASSEMBLY, UTR-SP			1
2	211601	GASKET, MAGNETIC DRAWER (1 per Drawer)	1	1	1
3	E021049	CHANNEL, ADAPTER BAR, HORIZONTAL (4 per Drawer)	8	8	8
4	213214	NUT, PEM 8-32 PF-H (4 per Drawer Slide)	16	16	16
5	223362	SCREW, PHILLIPS F/HD 8-32 x 1/4" (4 per Drawer Slide)	16	16	16
6	211602	DRAWER SLIDE, PAIR 25" (2 per Drawer)	4	4	4

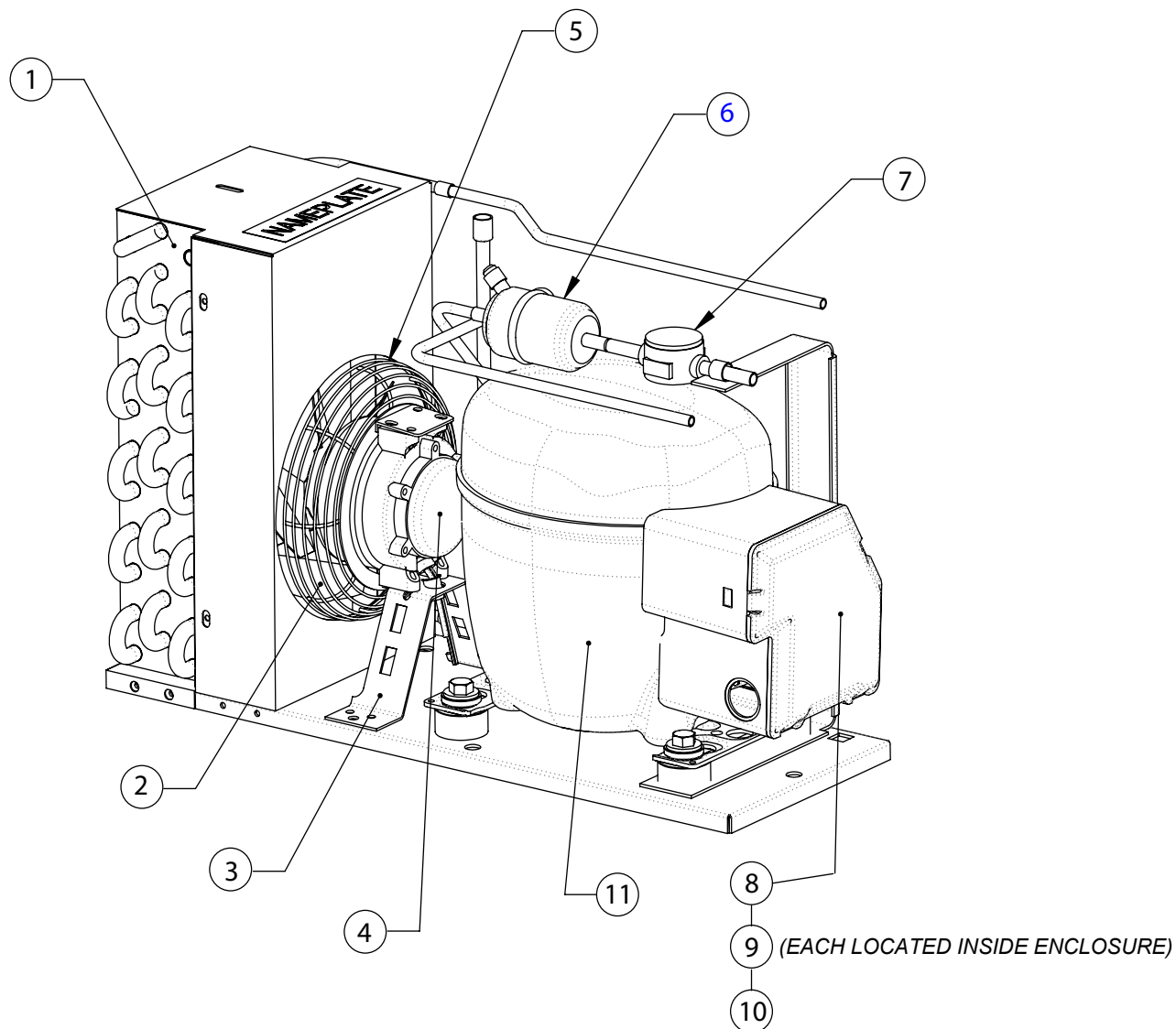
UTR MECHANICAL ASSEMBLY



UTR MECHANICAL ASSEMBLY (Continued)

ITEM	PART #	DESCRIPTION	L/H UTR-60 (2500942)	RH UTR-60 (2500943)	RH UTR-60 (2500943-SP)
1	290415	SERVICE, UTR DRAIN ASSEMBLY, LH <i>(Not Shown)</i>	1		
	290416	SERVICE, UTR DRAIN ASSEMBLY, RH <i>(Shown)</i>		1	1
2	226943	CONDENSING UNIT <i>(See page 8)</i>	1	1	1
3	214965	FILTER, 5.875 x 10.875 x .313	1	1	1
4	1064-0108	BOLT ACCESS PLATE, UTR	1	1	1
5	213064	SCREW, 10-24 x 1/2"	14	14	14
6	213032	SCREW, 8-18 X 1/2" TEK PHIL.	8	8	8
7	226814-UK	Service, Programmed Thermostat, Dixel-Single Probe	1	1	1
8	1064-0113	DIXEL THERMOSTAT MOUNTING PLATE	1	1	1
9	1064-0107	LOUVERED PANEL, LH, UTR	1		
	1064-0106	LOUVERED PANEL, RH, UTR		1	1
10	254547	PAN, CONDENSATE COLLECTION, UTR	1	1	1
11	1064-0119K	SERVICE, HOT GAS LOOP, LH, UTR	1		
	1064-0118K	SERVICE, HOT GAS LOOP, RH, UTR		1	1
12	216516	COIL, EVAPORATOR, R-134	1	1	1
13	290417	KIT, UTR EVAPORATOR MOTOR REPLACEMENT	1	1	1
14	1064-0117	COVER PANEL, LH, UTR <i>(Not Shown)</i>	1		
	E100114-K	Service Kit, UTR Right Mech Assy Cover <i>(Shown)</i>		1	1
15	226212-27	TXV Valve, 1/12 Ton <i>(Replaced 216412, SN-01202121)</i>	1	1	1
16	214486	STUD, COVER, SS THREADED PIN	4	4	4

CONDENSING UNIT 226943



ITEM	PART #	DESCRIPTION	L/H UTR-60 (2500942)	RH UTR-60 (2500943)	RH UTR-60 (2500943-SP)
1	527811	CONDENSING COIL (Ref-226943)	1	1	1
2	217829	CONDENSER FAN BLADE (Ref-226943)	1	1	1
3	527814	CONDENSER FAN MOTOR BRACKET (Ref-226943)	1	1	1
4	527813	CONDENSER FAN MOTOR (Ref-226943)	1	1	1
5	527812	CONDENSER FAN GUARD (Ref-226943)	1	1	1
6	527807	FILTER / DRYER (Ref-226943)	1	1	1
7	527808	SITE GLASS (Ref-226943)	1	1	1
8	227826	COMPRESSOR START CAPACITOR (Ref-226943)	1	1	1
9	227827	RELAY (Ref-226943)	1	1	1
10	227828	PROTECTOR (Ref-226943)	1	1	1
11	227832	COMPRESSOR (REF-226943)	1	1	1

NOTES

WIRING DIAGRAM

6. FRONT PANEL COMMANDS



SET



To display target set point, in programming mode it selects a parameter or confirm an operation

To start a manual defrost

In programming mode it browses the parameter codes or increases the displayed value

In programming mode it browses the parameter codes or decreases the displayed value



AUX

KEYS COMBINATION



To lock or unlock the keyboard

To enter in programming mode

To return to room temperature display

LED	MOD0	SIGNIFICATO
	On	Compressore enabled
	Flashing	Anti short cycle delay enabled (AC parameter)

	On	Defrost in progress
	Flashing	Dripping in progress
°C	On	Measurement unit
	Flashing	Programming mode
°F	On	Measurement unit
	Flashing	Programming mode

HOW TO SEE THE SET POINT

1. Push and immediately release the **SET** key, the set point will be showed;
2. Push and immediately release the **SET** key or wait about 5s to return to normal visualisation.

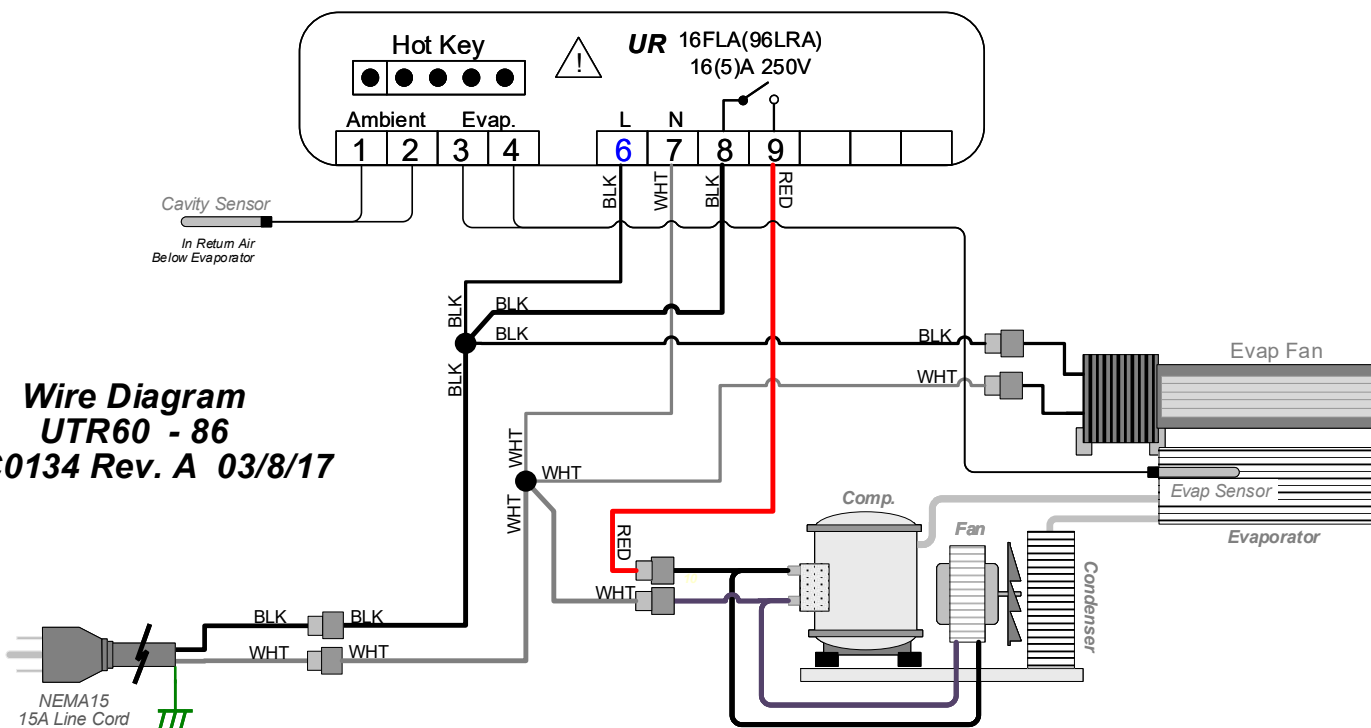
HOW TO CHANGE THE SETPOINT

1. Push the SET key for more than 2 seconds to change the Set point value;
2. The value of the set point will be displayed and the "°C" or "°F" LED starts blinking;
3. To change the Set value push the o or n arrows within 10s.
4. To memorise the new set point value push the SET key again or wait 10s.

HOW TO START A MANUAL DEFROST (ONLY XR02CX)

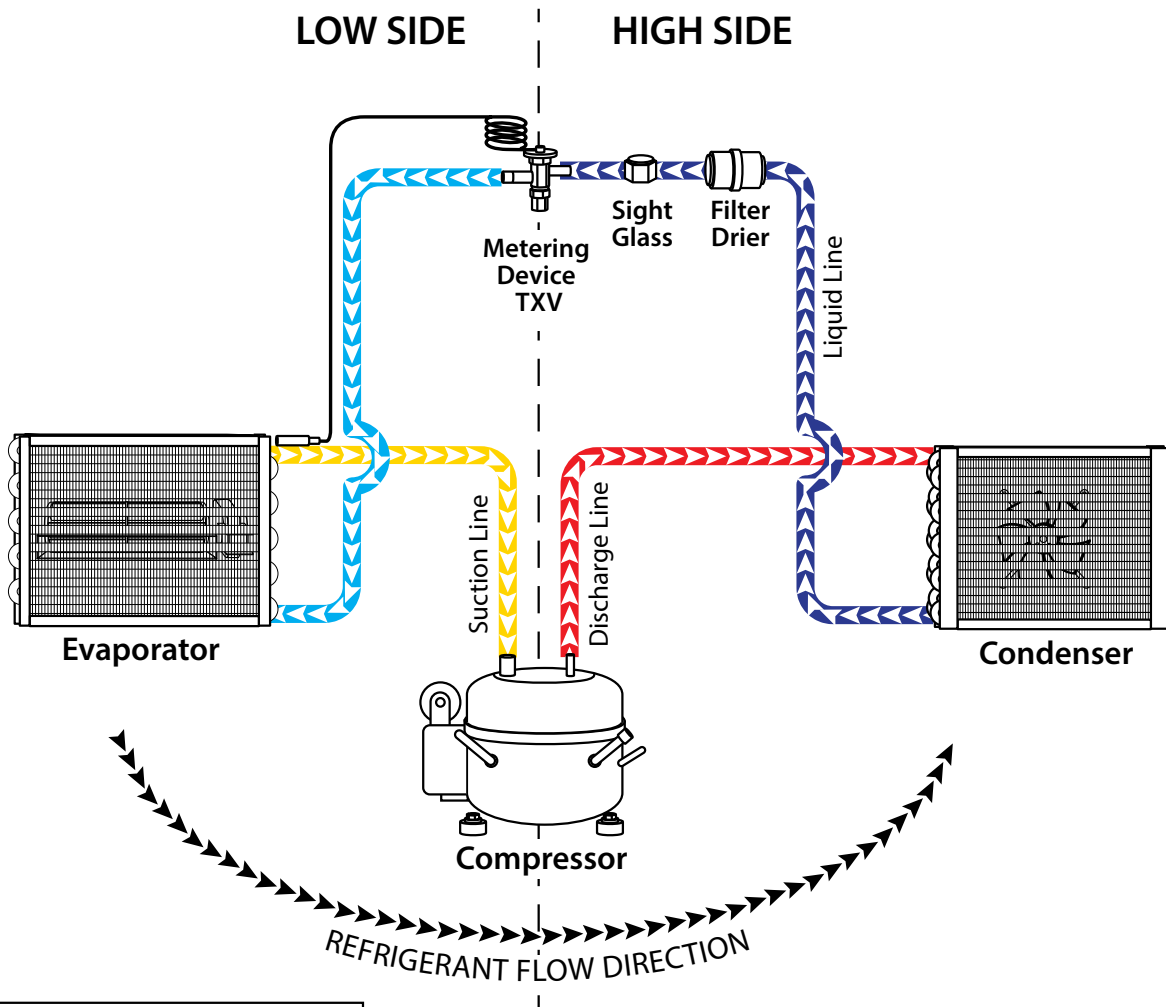
Push the DEF key for more than 2 seconds and a manual defrost will start

Wire Diagram
UTR60 - 86
ELC0134 Rev. A 03/8/17

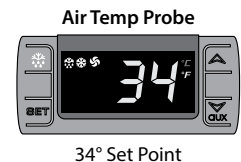
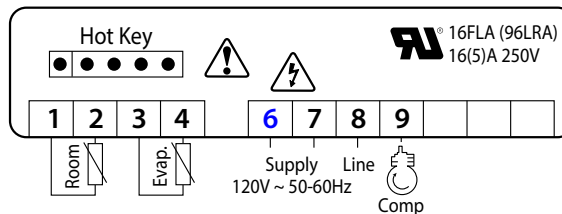


FLOW DIAGRAM

UTR 60 REFRIGERATION SYSTEM



UTR	60"
Refrigerant Charge	14 oz, 134a/513a
Superheat	8-12°
Sub-Cooling	10-15°
LRA	30.5A
RLA	3.8A
Oil Type	POE, 7 ounces
Condenser Fan	120vac .36A
Evaporator Fan	120vac .41A
High pressure range @ 75° ambient	110-120psig
Low pressure range @ 75° ambient	15-30psig





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