



SERVICE DATA SHEET

241532600

ICE & WATER - AUTOMATIC DEFROST COUNTER DEPTH SIDE BY SIDE – R134a

IMPORTANT SAFETY NOTICE

The information provided herein is designed to assist qualified repair personnel only. Untrained persons should not attempt to make repairs due to the possibility of Electrical shock. Disconnect power cord before servicing.

IMPORTANT

If any green grounding wires are removed during servicing, they must be returned to their original position position and properly secured.

CAUTION

All electrical parts and wiring must be shielded from torch flame. Do not allow torch to contact insulation; it will char at 200°F and flash ignite (burn) at 500°F. Excessive heat will distort the plastic liner.

NOTE

This product comes equipped with an Adaptive Defrost Control (ADC). To initiate Defrost, depress the Fresh Food light switch 5 times in 6 seconds (light bulb must be working). To terminate defrost, depress the Fresh Food light switch 5 times in 6 seconds.

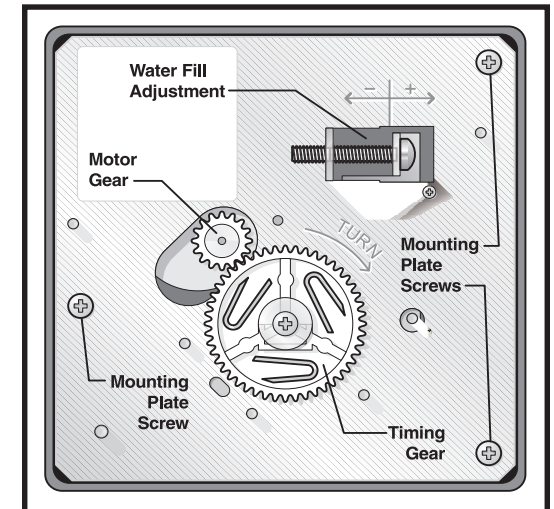
ICE MAKER INFORMATION

Test Cycling

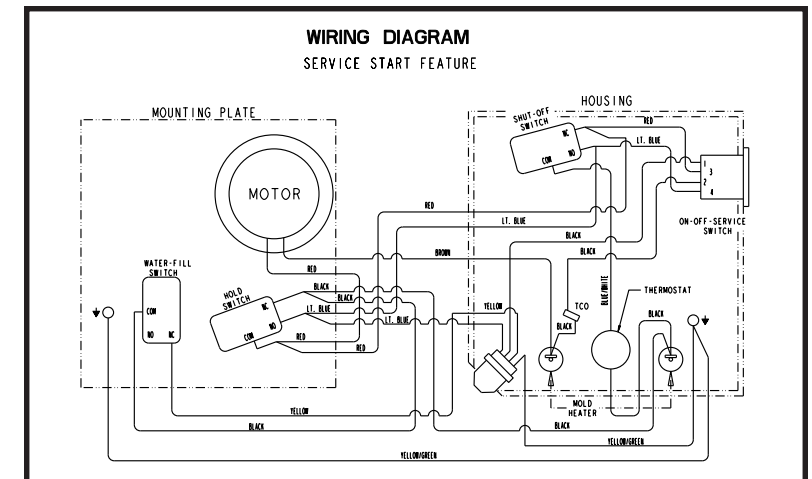
Remove cover by inserting screwdriver in notch at bottom and prying cover from housing. Use screwdriver to rotate motor gear counterclockwise until *Holding Switch* circuit is completed. All components of ice maker should function to complete the cycle.

Water Fill Volume

The water fill adjustment screw will change the fill time. One full turn is equal to 20cc (.68 oz.). The correct fill is 102 to 130cc (3.4 to 4.3 oz.). When a water valve is replaced, the fill volume must be checked.



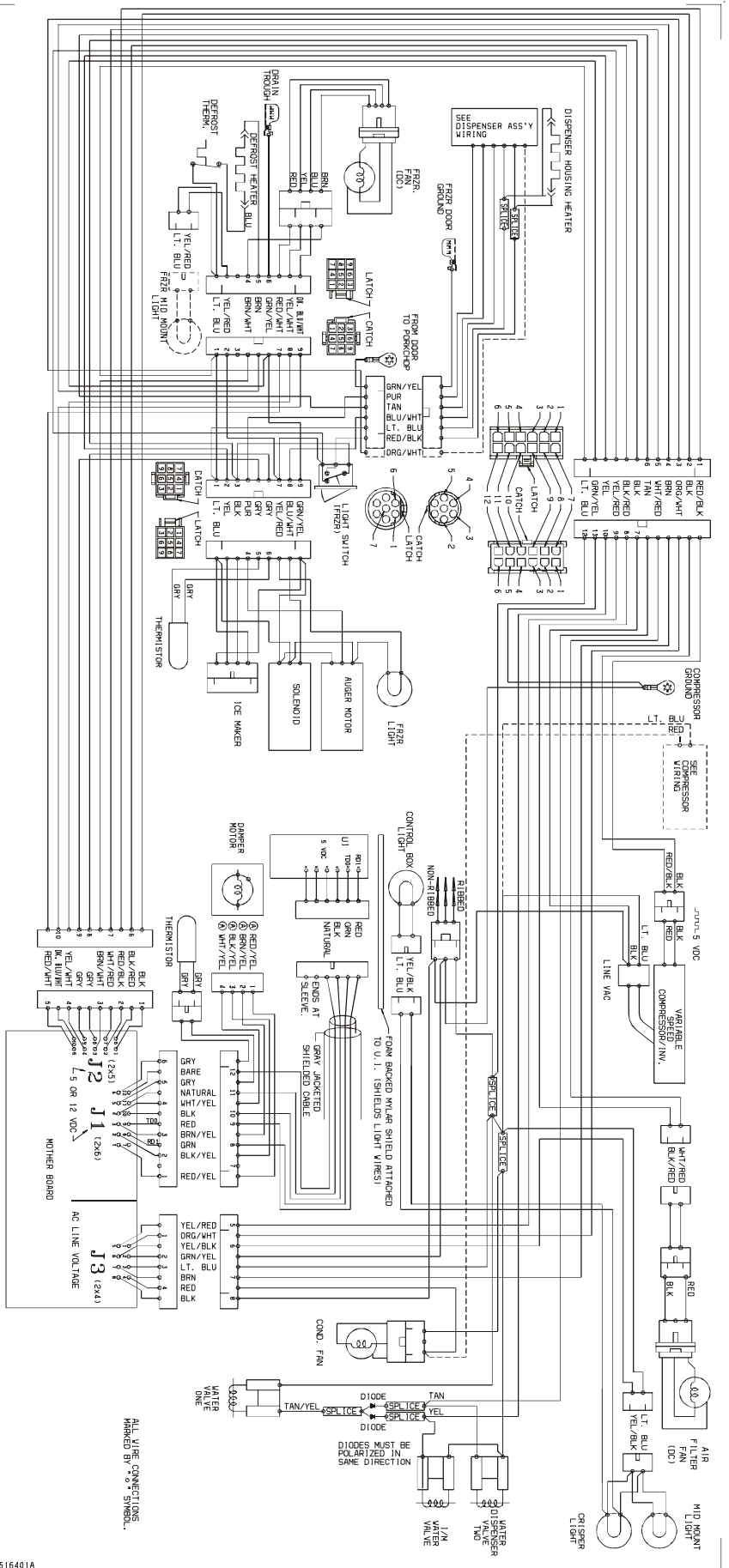
WIRING DIAGRAM
SERVICE START FEATURE



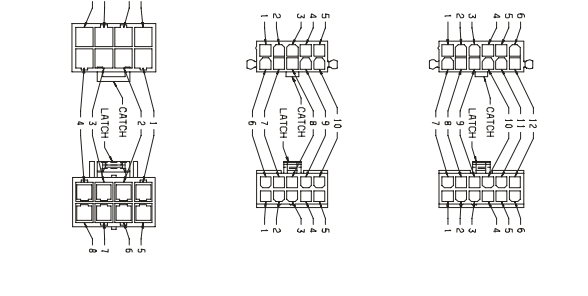
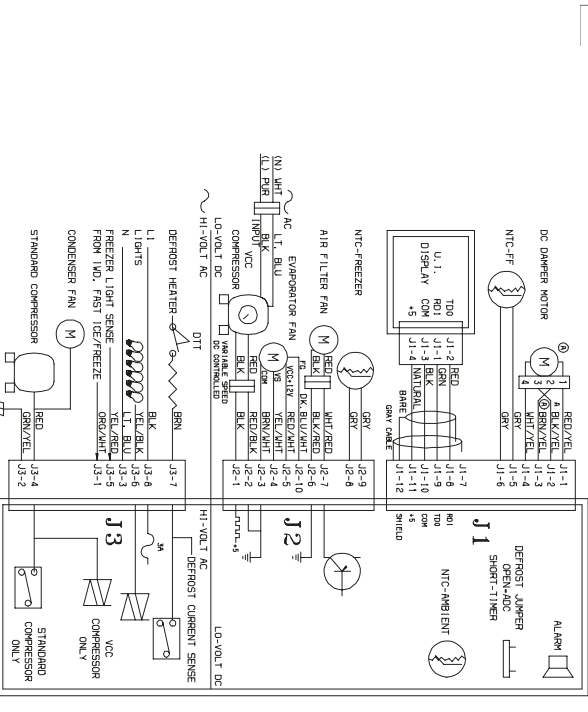
PERFORMANCE DATA NO LOAD AND NO DOOR OPENINGS AT MID-POINT CONTROL SETTING				
Type A with Run/Start Capacitor	85°F (18°C) Ambient	90°F (32°C) Ambient		
Operating Time	32 TO 40%	55 TO 65%		
Freezer Temperature	0° TO 4°F -18° to -16°C	-1° TO 3°F -18° to -16°C		
Refrigerator Temperature	34° TO 39°F 1° to 4°C	34° TO 39°F 1° to 4°C		
Low Side Pressure (cut-in)	5 to 12 psig 34 to 83 kPa	5 to 12 psig 34 to 83 kPa		
Low Side Pressure (cut-out)	-2 to 2 psig -14 to 14 kPa	-2 to 2 psig -14 to 14 kPa		
High Side Pressure (last 1/3 of cycle)	90 to 115 psig 621 to 793 kPa	130 to 155 psig 896 to 1069 kPa		
Wattage (last 1/3 of cycle)	120 to 150	130 to 160		
Amps (running)	1.0 to 1.4	1.1 to 1.5		
Base Voltage	115 vac (127 vac max)	115 vac (127 vac max)		
DEFROST SPECIFICATIONS				
Cabinet Size	Thermostat		Heater	
	Cut-In	Cut-Out	Watts	Ohms
23'	25°F -4°C	47°F 8°C	450	30
Electronic Timer – (ADC) Defrost 24 minutes every 6 to 96 hours of compressor run time.				
CONDENSER FAN MOTOR				
Watts	RPM	Amps		
2.8	950 CW Opposite Shaft	.1 Running		
ICE MAKER SPECIFICATIONS				
Electrical	115 vac (127 vac max)			
Thermostat	Opens at 48°F (9°C)		Closes at 15°F (-9°C)	
Heater Wattage	85			
ICE MAKER CONNECTOR PLUG CONNECTIONS				
Wire Number	Wire Color	Connects to:		
1	Green/Yellow	Ground		
2	Yellow	Water Valve		
3	Black	Line		
4	Light Blue	Neutral		

IMPORTANT

Please return this sheet to it's original location.

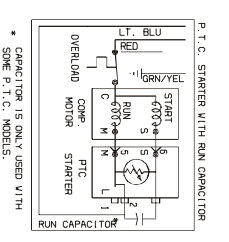


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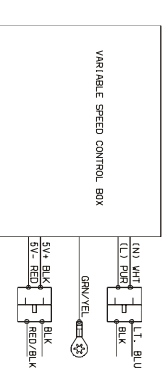


SERVICE PARTS		23 CUBIC FOOT STANDARD
Compressor Kit *	5303918298	
Starter/PTC *	241527801	
Run Capacitor *	219809915	
Power Board (Sigma Main)	240596301	
Sensor, Temperature	240597201	
Damper Assembly	241518401	
Defrost Thermostat Kit	5303918253	
Defrost Heater Kit	5303918214	
Evaporator Fan Motor	241509401	
Condenser Fan Motor	241537901	

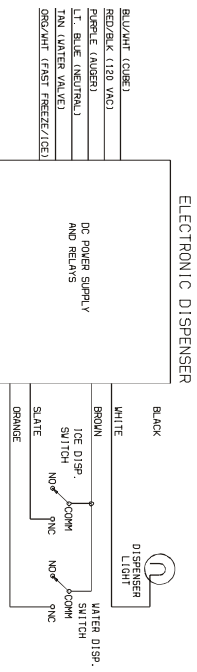
*Typical compressor kit includes compressor, electrical components, and filter-drier



STANDARD AC COMPRESSOR



VARIABLE SPEED COMPRESSOR



ELECTRO-MECHANICAL D.

