

# Technical Data

## GNE26G\*D\*\*\* BOTTOM FREEZER

**DISCONNECT POWER CORD BEFORE SERVICING**  
**IMPORTANT - RECONNECT ALL GROUNDING DEVICES**  
 All parts of this appliance capable of conducting electrical current are grounded. If grounding wires, screws, straps, clips, nuts or washers used to complete a path to ground are removed for service, they must be returned to their original position and properly fastened.

**IMPORTANT SAFETY NOTICE**  
 This information is intended for use by individuals possessing adequate backgrounds of electrical, electronic and mechanical experience. Any attempt to repair a major appliance may result in personal injury and property damage. The manufacturer or seller cannot be responsible for the interpretation of this information, nor can it assume any liability in connection with its use.

### ELECTRICAL SPECIFICATIONS

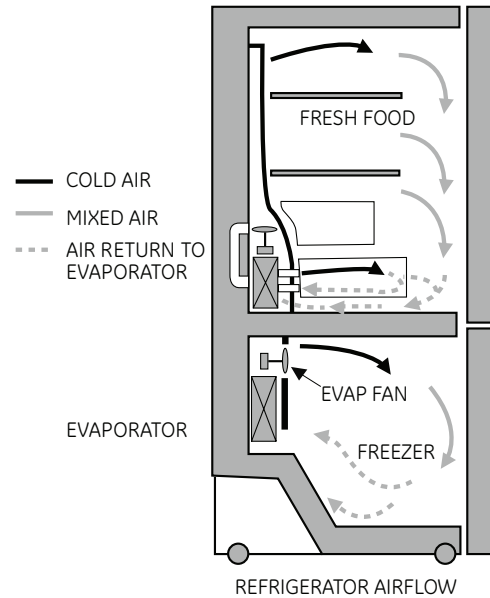
Adaptive Defrost Control  
 Fresh Food ..... 32hrs  
 Adaptive Defrost Control  
 Freezer ..... 96hrs  
 Thermistor kilo-ohm resistance ..... @32°F ..... 16.3  
 Over temperature Thermostat ..... 140°F  
 Electrical Rating: 115V AC 60 Hz ..... 9.5 Amp

### NO LOAD PERFORMANCE

Control Position 37/0 and Ambient of 65°F to 90°F  
 Run Time, % @ 65°F ..... 30 to 55  
 Run Time, % @ 90°F ..... 55 to 95

REFRIGERANT CHARGE (R134a) ..... 5.25 ounces

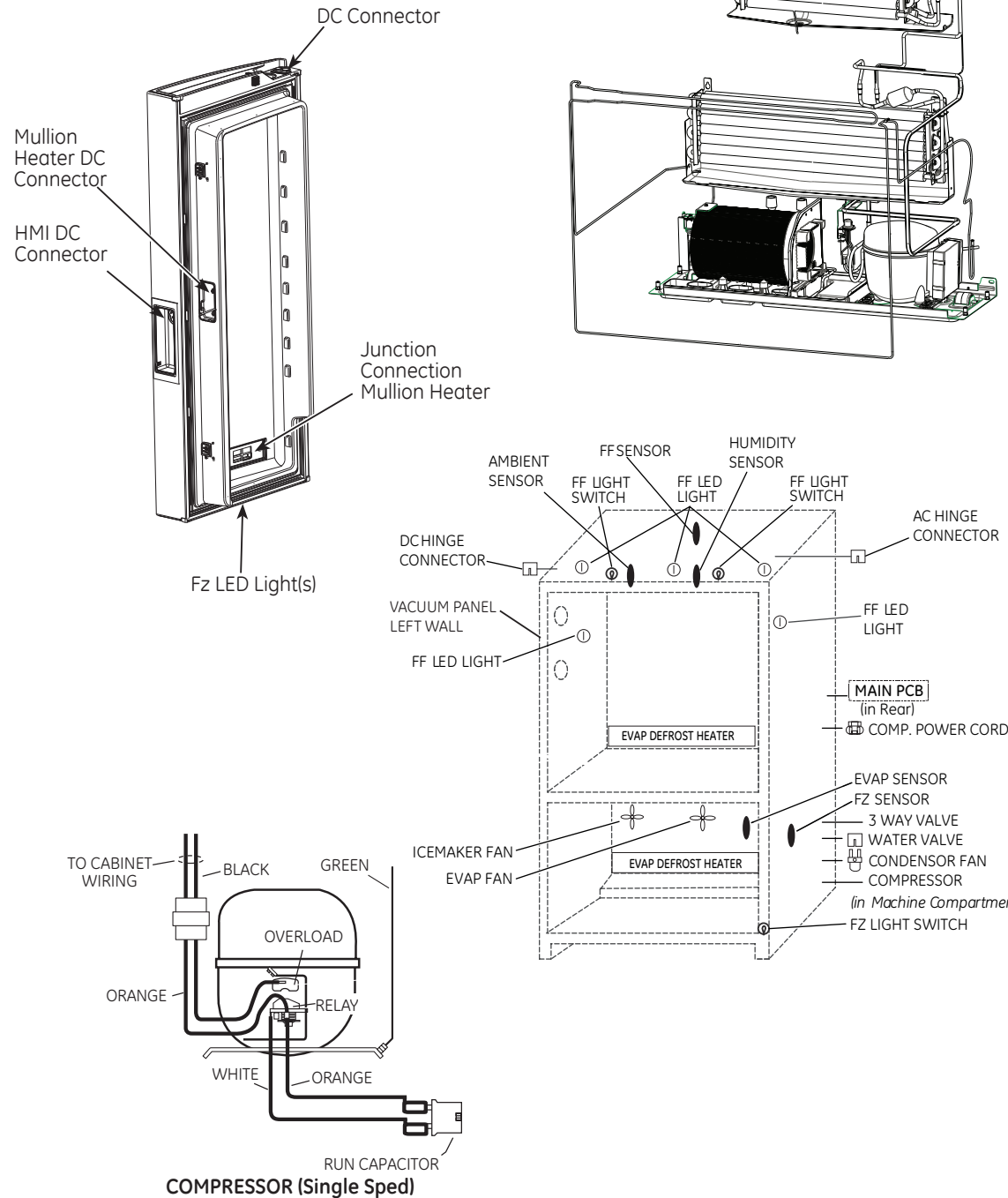
### AIR FLOW



### Service Diagnostic Functions

**WARNING: Service Technicians Only**  
 Entering Service Diagnostics  
 Enter Service mode by pressing the "Water", "Crushed", and "Cubed" buttons simultaneously for 3 seconds. The display will show **00** in the FZ temperature display and **00** in the FF temperature display. All the components will turn off, 3-way valve will go home, dampers will go to closed position, and the temperature display shows **00** in each of the FZ and FF displays. Use the FZ or FF increase/decrease buttons from display to select the appropriate mode. Once the displays indicate the desired test mode, press any key except the temperature adjustment buttons to run test. The test mode must be selected within 5 minutes of entering the diagnostic mode or it will time-out, normal refrigerator operation will resume. Once a test mode is selected, the display will show the results of the mode selected. Run test 0016 to exit diagnostics and return to normal operation. The control will reset to normal operation if power is cycled.

Non-dispenser needs service kit.



### Service Diagnostic

FZ Display	FF Display	Mode	Comments
00	02	Dispenser Self-Test Mode	Turns on all LEDs and 7 Segments on the Dispenser board for testing.
00	06	COM Version	Return the Com Version (Only on LCD Models)
00	07	Degrees C Mode	Changes the System to be Degrees C
00	08	Degrees F Mode	Changes the System to be Degrees F
00	11	Join Zigbee Network	See Zigbee Network
00	12	Leave Zigbee Network	
00	13	Get Zigbee Network Status	
00	14	Force FF and FZ Defrost	
00	15	Exits All Defrost	Forces the Heated Defrost to the Idle State
00	16	<b>EXIT SERVICE MODE</b>	<b>Resets all boards in the system</b>
00	17	Door Board Version Test	Confirm UI communication this board
00	18	Dispenser Version Test	
00	19	Deli pan Version Test	
00	20	Internal Temp Version Test	
00	21	Zigbee Module Version Test	
00	22	AutoFill Version Test	
00	23	Mainboard Version Tests	
00	24	FF1 Thermistor Test	
00	25	FF2 Thermistor Test	
00	26	FF Evaporator Thermistor Test	
00	27	FZ Cabinet Thermistor Test	Displays unfiltered thermistor temperature (display of 300 or -41 indicates open / shorted or not present)
00	28	FZ Evaporator Thermistor Test	
00	29	Ambient Temp Test	
00	30	Deli pan Thermistor Test	
00	31	FZ Ice Mold Body Thermistor Test	
00	32	Conv Drawer Thermistor Test	
00	36	FF Door Ice Mold Body Thermistor Test	
00	37	FF Door Ice Cabinet Thermistor Test	
00	38	Hot Water 1 Thermistor Test	
00	39	Hot Water 2 Thermistor Test	
00	40	Humidity Sensor Test	Displays current humidity
00	41	Case (SxS) Flow Meter Test	Returns the Flow from Last Dispense for SxS
00	42	Door (BF) Flow Meter Test	Returns the Flow from Last Dispense for BF
00	43	Cycle Duct Door	Opens the Duct Door for 10 seconds and then closes it
00	44	Cycle FF Damper	Opens the Damper for 30 seconds and then closes it
00	45	Cycle Conv Drawer Damper	
00	46	Cycle QC/Deli damper	
00	47	FF Fan Test	Turns the Fan on 75% duty cycle and returns the RPM
00	48	FZ Fan Test	
00	49	Condenser Fan Test	
00	50	Ice Box Fan Test	
00	51	Deli/QC Fan Test	
00	52	Convertible Drawer Fan Test	
00	53	FF Defrost Heater Test	Turns on the Load
00	54	Deli pan/QC heater Test (30sec max)	
00	55	Isolation Valve Test	
00	56	Ice Port Heater Test	
00	57	Ice Duct Liner Htr / SxS Water Valve Test	
00	58	FZ Icemaker Water Valve Test	
00	59	FZ Icemaker Rake Motor Test	
00	60	FZ Defrost heater Test	
00	61	Compressor Relay Test	
00	63	IMX Power Relay Test (Normally Closed Relay)	
00	64	FZ Icemaker Fill Tube Heater Test	Returns the Input Status (0 = Closed, 1 = Open)
00	65	FF Door Icemaker Water Valve Test	
00	66	FF Door Icemaker Rake Motor Test	
00	67	FF Door Hot Water valve Test	Returns the Input Status (0 = not home, 1 = Home)
00	68	FF Door Water Valve Test	
00	69	Hot Water heater Test (5sec max)	
00	70	Read Left FF Door Status	Returns the Input Status (0 = not Full, 1 = Full)
00	71	Read Right FF Door Status	
00	72	Read FZ door Status	
00	73	Read Conv Drawer/ IM Input Status	Returns the Input Status (0 = Not Pressed)
00	74	Read FZ Icemaker Rake Status	
00	75	Read FZ Icemaker Arm Status	
00	76	Read FF door Icemaker Rake Status	Returns the Input Status (0 = Not Full)
00	77	Read FF door Icemaker Arm Status	
00	78	Read FF door Cold Water Cup Switch	
00	79	Read FF door Hot Water Cup Switch	Returns the Input Status (0 = Not Tripped)
00	80	Read FF door Hot Water Level Switch 1	
00	81	Read FF door Hot Water Level Switch 2	
00	82	Read FF door Over Current Flag1	Returns the Input Status (0 = Not Tripped)
00	83	Read FF door Over Current Flag2	
00	84	FF Door Icemaker Fill Tube Heater Test	
00	85	FF Door Recess Heater Test	Turns on the Load
00	86	Vertical Mullion Heater Test	
00	87	Unused output	
00	88	Unused output	Turns the lights on at 100% Duty Cycle
00	89	Ice Box Gasket Heater Test	
00	91	FF Lights Test	
00	92	FZ Lights Test	Turns on FZ defrost heater displays FZ evap thermistor temperature
00	93	FZ Defrost Heater Test with Feedback	
00	94	FF Defrost heater Test with Feedback	
00	95	FF Cooling Test	Turns on FF defrost heater displays FF evap thermistor temperature Compressor (VS high SS on) - 3 way valve FF/FZ - Condenser fan (high) - FF evap fan (low) - display FF evap thermistor temperature
00	96	FZ Cooling Test	Compressor (VS high SS on) - 3 way valve FZ only - Condenser fan (high) - FZ evap fan (low) - display FZ evap thermistor temperature
00	97	FF Door Icemaker Heater Test	turns on FF door IM Heater displays FF door IM mold thermistor temperature
00	98	FZ Icemaker Heater Test	turns on FZ IM Heater, displays FZ door IM mold thermistor temperature
00	99	FF Door Icemaker Full Cycle Test	Icemaker Full Cycle Test (similar to 3-arm press)
01	00	FZ Icemaker Full Cycle Test	

\*NOTE: Tests will continue to run until another test is started

