

Samsung Refrigeration Fault Codes

Maytag Technical Assistance

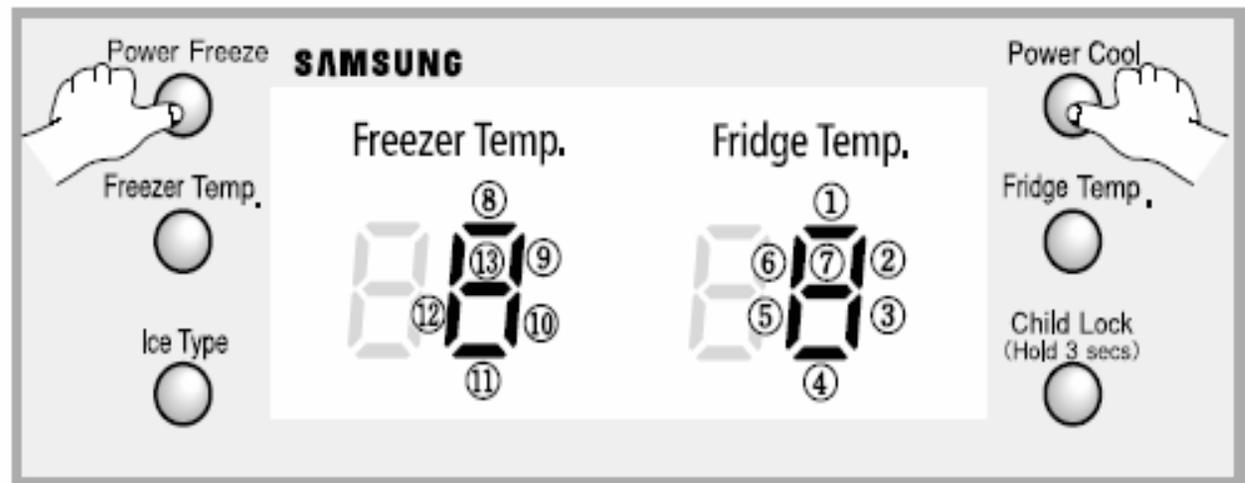
A-Top Self diagnoses LED

At the time of power up all Samsung refrigeration units will perform a self diagnoses (when plugged in).

* Self-diagnostics check list

NO	Error
①	ICE MAKER SENSOR
②	REFRIGERATOR SENSOR
③	REFRIGERATOR DEFROST SENSOR
④	REFRIGERATOR FAN ERROR
⑤	ICE MAKER function error
⑥	CoolSelect Zone™ SENSOR
⑦	REFRIGERATOR DEFROST ERROR
⑧	EXIT-SENSOR
⑨	FREEZER SENSOR
⑩	FREEZER DEFROST ERROR
⑪	FREEZER FAN ERROR
⑫	CONDENSER FAN ERROR
⑬	FREEZER DEFROST ERROR

Press both buttons simultaneously for 8 seconds



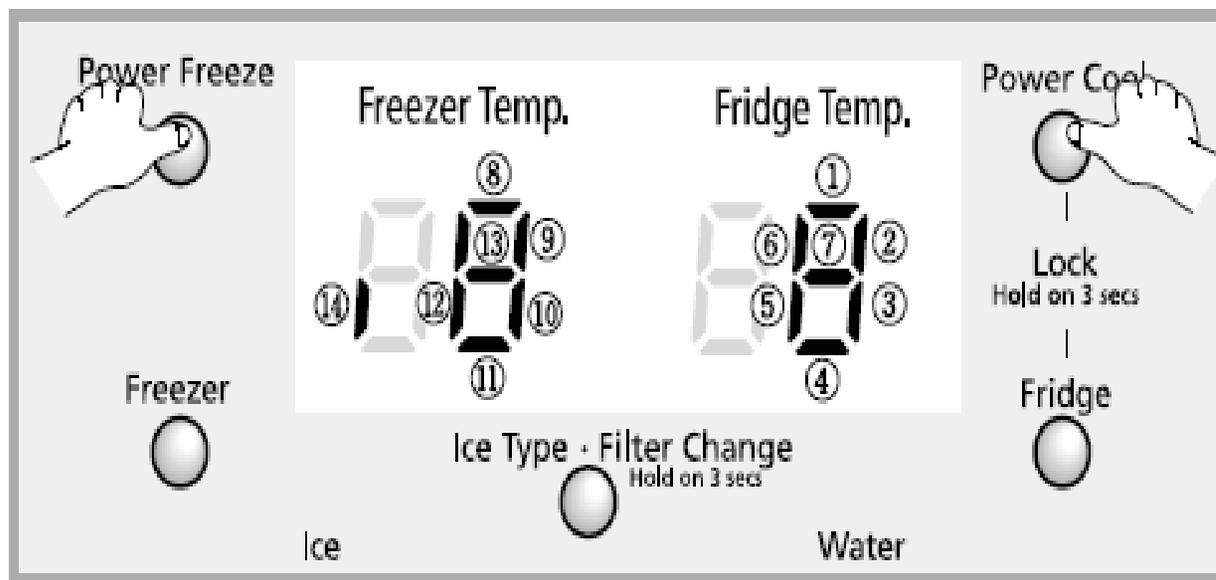
If any LEDs blink, the corresponding sensors and components must be checked for an error.

A-Top LCD Built after March 2005

* Self-diagnostics check list

NO	Error
①	ICE MAKER SENSOR
②	REFRIGERATOR SENSOR
③	REFRIGERATOR DEFROST SENSOR
④	REFRIGERATOR FAN ERROR
⑤	ICE MAKER function error
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⑩	FREEZER DEFROST ERROR
⑪	FREEZER FAN ERROR
⑫	CONDENSER FAN ERROR
⑬	FREEZER DEFROST ERROR
⑭	PLC ERROR(Power Line Communication)

Press both buttons simultaneously for 8 seconds



If any LCDs blink, the corresponding sensors and components must be checked for an error.

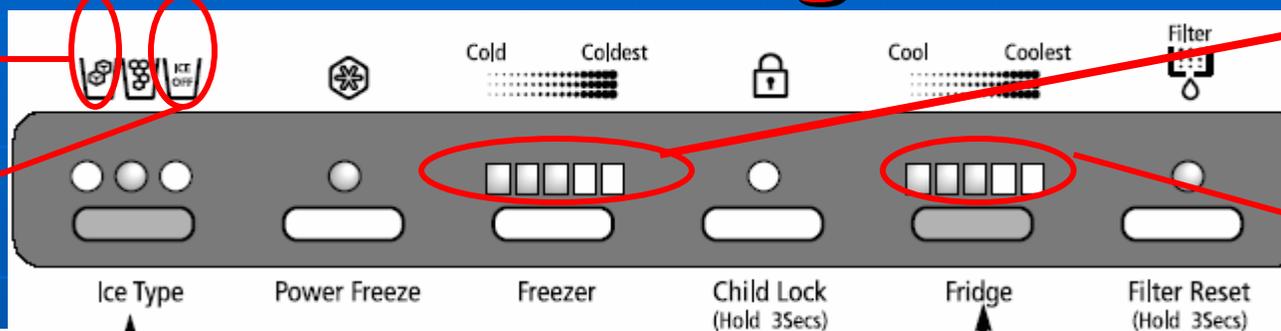
A-D Self diagnoses

Code 07

Codes 03, 04, 05

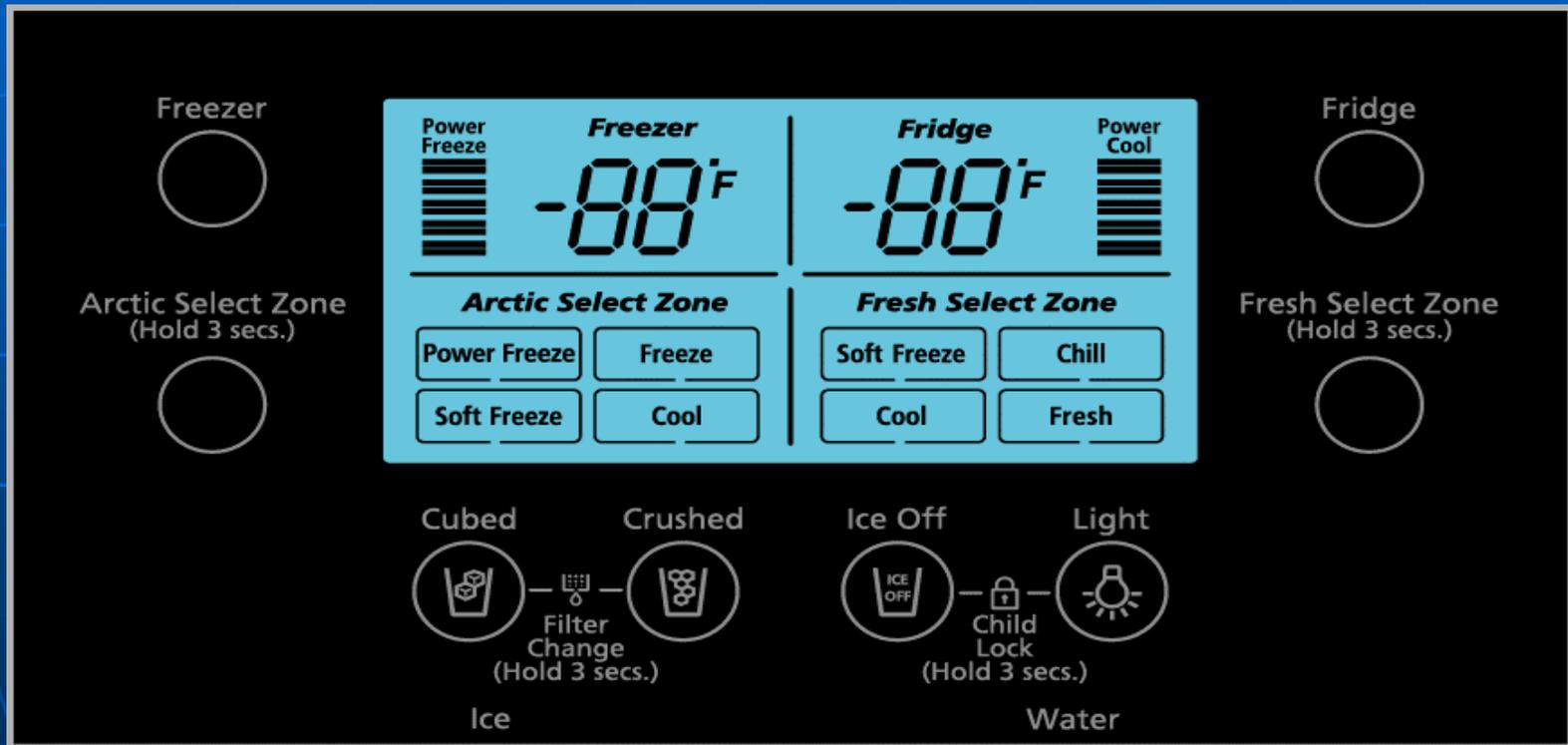
Code 06

Codes 01, 02



NO	Item	DISPLAY LED	Trouble Shooting	Remark
01	Refrigerator SENSOR	Refrigerator "MID"	Fall out SENSOR HOUSING in R-Room contact failure, breakage of wire, short-circuit, inferior Refrigerator SENSOR and others.	Indicating a defect when the temp sensing of Refrigerator SENOSR is above (149 °F/65 °C) and below (-58°F/-50 °C).
02	Peripheral temp SENSOR	Refrigerator "MIN"	Fall out peripheral temp SENSOR HOUSING , contact failure, breakage of wire, short-circuit, inferior peripheral sensor and others.	Indicating a defect when the temp sensing of peripheral temp SENOSR is above (149 °F/65 °C) and below (-58°F/-50 °C).
03	Freezer SENSOR	Freezer "MAX"	Fall out SENSOR HOUSING in F-Room, contact failure, breakage of wire, short-circuit, inferior Freezer SENSOR and others.	Indicating a defect when the temp sensing of Freezer SENOSR is above (149 °F/65 °C) and below (-58°F/-50 °C).
04	Freezer Defrost SENSOR	Freezer "MID"	Fall out Deforst -SENSOR HOUSING in the evaporator of Freezer, contact failure, breakage of wire, short-circuit, inferior sensor and others.	indicating a defect when the temp sensing of Freezer Defrost SENOSR is above (149 °F/65 °C) and below (-58°F/-50 °C).
05	Freezer Defrost ERROR	Freezer "MIN"	Fall out Freezer Heater Housing, contact failure, breakage of wire, short circuit, inferior Freezer Heater, or inferior Defrost temp fuse and etc.	On FDefrost 90 min. automatic completion
06	I/M Function ERROR	NO ICE	Ejection restoration failure more than 3 times.	
07	I/M SENSOR ERROR	Cubed Ice	Fall out I/M SENSOR HOUSING, contact failure, brekage of wire, short-circuit, inferior I/M-SENSOR and etc.	

Next SxS



4.Alignment & Adjustment

4-2. Self-Diagnostics

Error items of self-diagnostics

NO	Error items	LED	TROUBLE
1	I/M-SENSOR		Electric wire cut, short-circuit, contact failure, missing of sensor housing, while in case of display of defect by temperature, it is only displayed when sensor detection temperature is not lower than 122□or not higher than -58□
2	R-SENSOR		Electric wire cut, short-circuit, contact failure, missing of sensor housing, while in case of display of defect by temperature, it is only displayed when sensor detection temperature is not lower than 122□or not higher than -58□
3	DEFROSTING SENSOR OF R COMPARTME-NT		Electric wire cut, short-circuit, contact failure, missing of sensor housing, while in case of display of defect by temperature, it is only displayed when sensor detection temperature is not lower than 122□or not higher than -58□
4	R-FAN ERROR		Error is displayed in case where is contact failure of feedback signal line, motor wire missing or defect of motor itself when operating relevant fan motor.

4.Alignment & Adjustment

4-2. Self-Diagnostics

Error items of self-diagnostics

NO	Error items	LED	TROUBLE
5	I/M FUNCTION ERROR		<p>Error is displayed in case where bad horizontality and bad ice tray are by more times than twice for each item about ice maker kit.</p> <p>** Pertinent only to dispenser model (of external attachment type).</p>
7	R-DEFROSTING ERROR		<p>Error occurs and is displayed when there is in relation to R compartment defrosting heater, electric wire cut, short-circuit, contact failure, missing of sensor housing, or defective temperature fuse. Defect is displayed if defrosting is not finished until after continuous heating over 70 minutes for R compartment defrosting.</p>
8	CR-SENSOR		<p>Electric wire cut, short-circuit, contact failure, missing of sensor housing, while in case of display of defect by temperature, it is only displayed when sensor detection temperature is not lower than 122° or not higher than -53°</p>

4.Alignment & Adjustment

4-2. Self-Diagnostics

Error items of self-diagnostics

NO	Error items	LED	TROUBLE
9	DEFROSTING SENSOR OF CR COMPARTME-NT		Electric wire cut, short-circuit, contact failure, missing of sensor housing, while in case of display of defect by temperature, it is only displayed when sensor detection temperature is not lower than 122□or not higher than -58□
10	DEFROSTING SENSOR OF CF COMPARTME-NT		Electric wire cut, short-circuit, contact failure, missing of sensor housing, while in case of display of defect by temperature, it is only displayed when sensor detection temperature is not lower than 122□or not higher than -58□
11	CR-DEFROSTING ERROR		Electric wire cut, short-circuit, contact failure, missing of sensor housing, while in case of display of defect by temperature, it is only displayed when sensor detection temperature is not lower than 122□or not higher than -58□
12	CF-DEFROSTING ERROR		Error is displayed in case where is contact failure of feedback signal line, motor wire missing or defect of motor itself when operating relevant fan motor.

4.Alignment & Adjustment

4-2. Self-Diagnostics

Error items of self-diagnostics

NO	Error items	LED	TROUBLE
13	WATER HEATER ERROR		Error is displayed in case of water heater housing missing or electric wire cut.
14	EXT-SENSOR		Electric wire cut, short-circuit, contact failure, missing of sensor housing, while in case of display of defect by temperature, it is only displayed when sensor detection temperature is not lower than 122□or not higher than -58□
15	F-SENSOR		Electric wire cut, short-circuit, contact failure, missing of sensor housing, while in case of display of defect by temperature, it is only displayed when sensor detection temperature is not lower than 122□or not higher than -58□
16	F-DEF-SENSOR		Electric wire cut, short-circuit, contact failure, missing of sensor housing, while in case of display of defect by temperature, it is only displayed when sensor detection temperature is not lower than 122□or not higher than -58□

4.Alignment & Adjustment

4-2. Self-Diagnostics

Error items of self-diagnostics

NO	Error items	LED	TROUBLE
17	F-FAN ERROR		Error is displayed in case where is contact failure of feedback signal line, motor wire missing or defect of motor itself when operating relevant fan motor.
18	C-FAN ERROR		Error is displayed in case where is contact failure of feedback signal line, motor wire missing or defect of motor itself when operating relevant fan motor.
19	CF-SENSOR		Electric wire cut, short-circuit, contact failure, missing of sensor housing, while in case of display of defect by temperature, it is only displayed when sensor detection temperature is not lower than 122□ or not higher than -58□
20	F-DEFROSTING ERROR		Compartment defrosting heater, electric wire cut, short-circuit, contact failure, missing of sensor housing, or defective temperature fuse. Defect is displayed if defrosting is not finished until after continuous heating over 80 minutes for F compartment defrosting.

4.Alignment & Adjustment

4-2. Self-Diagnostics

Error items of self-diagnostics

NO	Error items	LED	TROUBLE
21	CF-FAN ERROR		Error is displayed in case where is contact failure of feedback signal line, motor wire missing or defect of motor itself when operating relevant fan motor.
22	CR-FAN ERROR		Error is displayed in case where is contact failure of feedback signal line, motor wire missing or defect of motor itself when operating relevant fan motor.
24	ICE PIPE HEATER ERROR		Error is displayed in case of ice pipe heater housing missing or electric wire cut.

4.Alignment & Adjustment

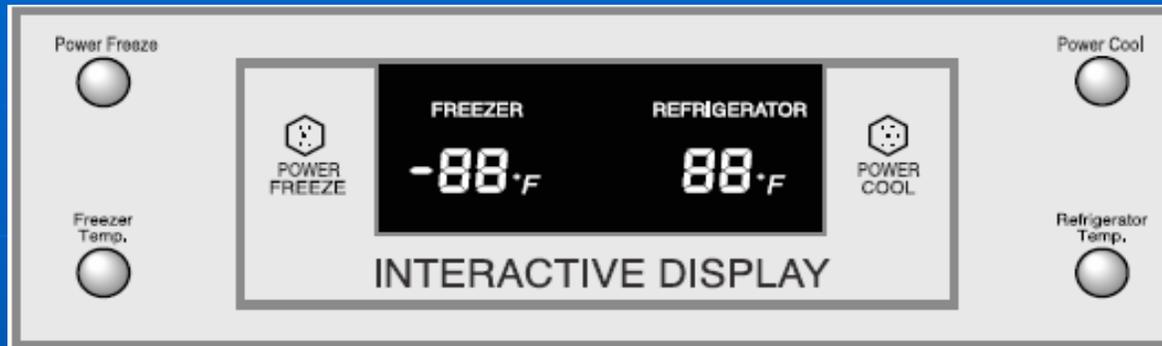
4-2. Self-Diagnostics

Error items of self-diagnostics

NO	Error items	LED	TROUBLE
25	Uart COMMUNICATION ERROR		Communication error with electric power cord MODEM
26	L↔M COMMUNICATION ERROR		Whole letters of panel LCD repeat ON/OFF and buzzer generates alarm sound if communication between MICOM MAIN ↔ LOAD is not achieved for interruption time over 10 seconds.
27	P↔M COMMUNICATION ERROR		Whole letters of panel LCD repeat ON/OFF and buzzer generates alarm sound if communication between MICOM MAIN ↔ PANEL is not achieved for interruption time over 10 seconds.

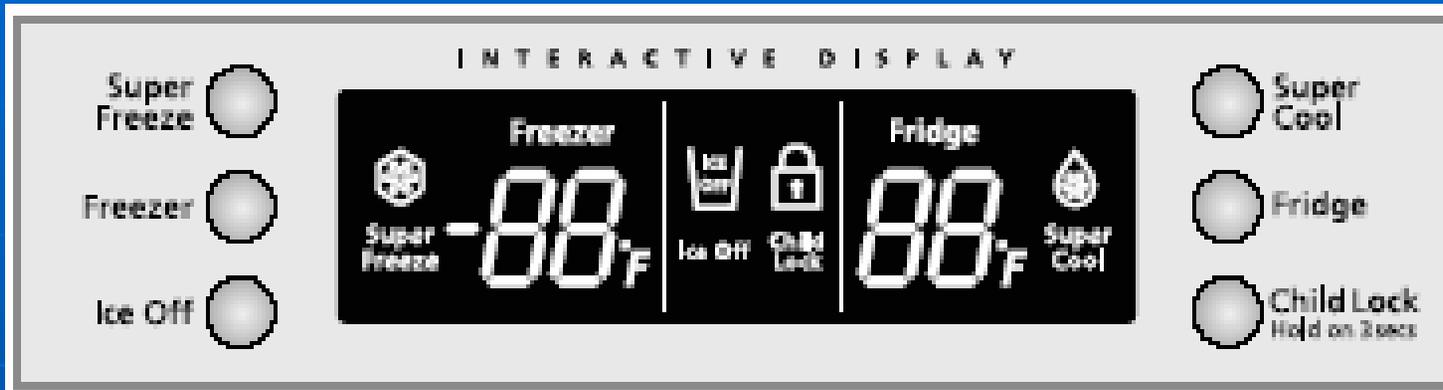
Bottom mount self diagnoses

Fd code
bad defrost
sensor.



No	Item	LED Display	Details	Remarks
1	R-sensor	REFRIGERATOR 5	<ul style="list-style-type: none"> • Connector contact failure • Short-circuit 	<ul style="list-style-type: none"> • Suspected to be below -58 °F • Suspected to be over 150 °F
2	R-defroster sensor	REFRIGERATOR d	<ul style="list-style-type: none"> • Connector contact failure • Short-circuit 	<ul style="list-style-type: none"> • Suspected to be below -58 °F • Suspected to be over 150 °F
3	Outer sensor	FREEZER E5	<ul style="list-style-type: none"> • Connector contact failure • Short-circuit 	<ul style="list-style-type: none"> • Suspected to be below -58 °F • Suspected to be over 150 °F
4	F-sensor	FREEZER F5	<ul style="list-style-type: none"> • Connector contact failure • Short-circuit 	<ul style="list-style-type: none"> • Suspected to be below -58 °F • Suspected to be over 150 °F
5	F-defroster sensor	FREEZER d5	<ul style="list-style-type: none"> • Connector contact failure • Short-circuit 	<ul style="list-style-type: none"> • Suspected to be below -58 °F • Suspected to be over 150 °F

New “B” series Bottom Mount



No	Error	LED Display	Description	Others
1	F-SENSOR ERROR	Freezer	F-SENSOR RELATED FAULT	
2	R-SENSOR ERROR	Fridge	R-SENSOR RELATED FAULT	
3	F-DEFROST SENSOR ERROR	Freezer	F-DEFROST SENSOR RELATED FAULT	
4	R-DEFROST SENSOR ERROR	Fridge	R-DEFROST SENSOR RELATED FAULT	
5	ICE MAKER SENSOR ERROR	Fridge	ICE MAKER SENSOR RELATED FAULT	
6	AMBIENT SENSOR ERROR	Freezer	AMBIENT SENSOR RELATED FAULT	
7	F-DEFROST HEATER ERROR	Freezer	F-DEFROST RELATED FAULT	
8	R-DEFROST HEATER ERROR	Fridge	R-DEFROST RELATED FAULT	
9	ICE MAKER FUNCTION ERROR	Fridge	ICE MAKER OPERATION FAULT	