



No.	Item	Trouble Code Index				Contents of failure	Product operation status in failure				
		F1	F2	F3	F4		Compressor	Freezing BLDC motor	Cooling BLDC motor	Defrost Heater	Stepping motor damper
1	Abnormal freezer sensor	○	●	●	●	Freezer sensor short circuit	ON for 15minutes/ OFF for 15minutes	Standard RPM	○	○	○
2	Abnormal refrigerator sensor 1 (R1) (Upper part in the refrigerator compartment)	●	○	●	●	Refrigerator sensor1 short circuit	○	Standard RPM	○	○	Full opening for 10 minutes/ Full closing for 15 minutes
3	Abnormal refrigerator sensor 2 (R2) (Upper part in the refrigerator compartment)	Normal display (Note 1)				Refrigerator sensor2 short circuit	○	Standard RPM	○	○	○
4	Abnormal defrost sensor	●	●	○	●	Abnormal short circuit	○	Standard RPM	○	No defrost	○
5	Failed defrosting	○	○	○	○	Defrost heater, temperature fuse short circuit, unplugged connector(indicated 4 hour later after trouble)	○	Standard RPM	○	○	○
6	Abnormal freezing BLDC motor	●	●	●	●	Motor defect, hooked of lead wire to fan, contact of structures with fan, short or open of lead wire(there is no signal of BLDC motor more than 15 seconds in operation of fan motor)	○	OFF	○	○	○
7	Abnormal cooling BLDC motor	○	○	●	●		○	Standard RPM	OFF	○	○
8	Abnormal ambient sensor	Normal display (Note 1)				Ambient sensor short circuit	○	○	○	○	○
9	Abnormal icemaker sensor	Normal display (Note 1)				Icemaker sensor short circuit	○	○	○	○	○
10	Abnormal icemaker unit	Normal display (Note 1)				Faulty icemaker unit motor or hall ic, lead wire short circuit, faulty motor driving circuit	○	○	○	○	○
11	Abnormal W/T sensor	Normal display (Note 1)				Water Tank sensor short circuit	○	○	○	○	○

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