

|                        |                            |
|------------------------|----------------------------|
| Product : Refrigerator | Bulletin No. : 2010-Ref-02 |
| Model : RSH ** model   | Bulletin Date : 2010/03/30 |
| Buyer : All            | ECN No. : -                |

**SUBJECT : No cooling(Icing up)**

**Background**

Ice forming at the top of the refrigerator evaporator around the suction tube/capillary pipe where it emerges from liner.



**Cause**

- Suction pipe is touching the liner this can causes dew condensation to form on top left area of evap cover
- Ice ball formation expands around the top left area of evaporator.
- Symptoms are excessive fan noise and no cooling.

**Solution(For service)**

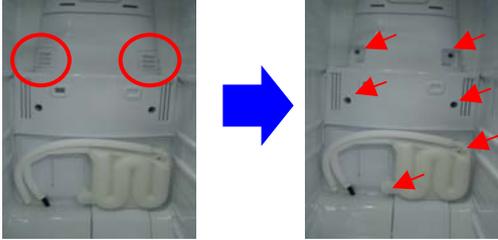
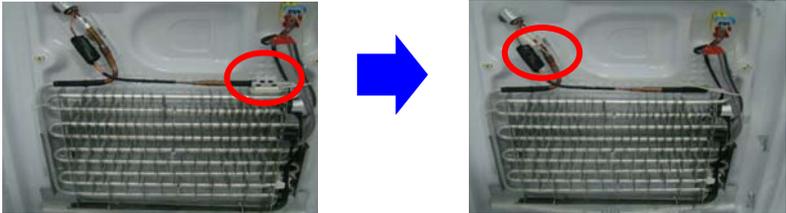
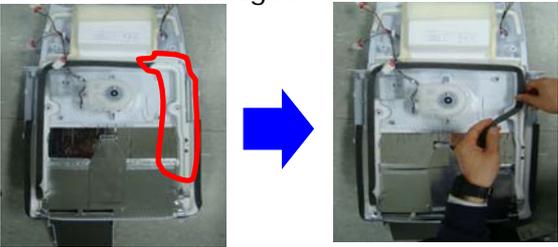
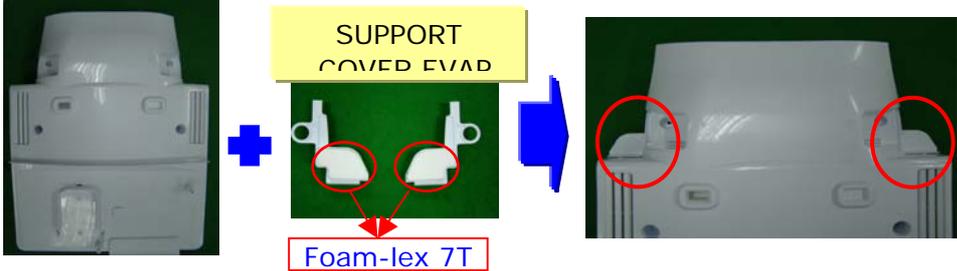
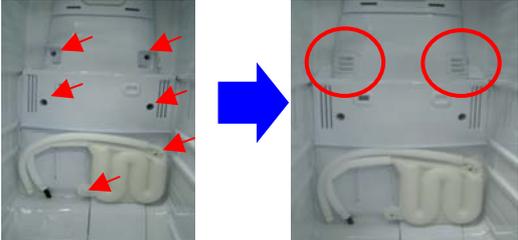
| Item   | Description  |             |                             |       |                            |         |                            |        |                |        |                      |          |                      |         |   |              |                       |           |                    |   |       |   |       |   |       |   |       |
|--|--|-------------|-----------------------------|-------|----------------------------|---------|----------------------------|--------|----------------|--------|----------------------|----------|----------------------|---------|---|--------------|-----------------------|-----------|--------------------|---|-------|---|-------|---|-------|---|-------|
| <p><b>Adjusting Defrost off temperature for fridge</b></p> | <p>* <b>Change the REF defrost off temperature(12 → 17)</b></p> <p>1. Press both freezer button and Power fridge(Vacation) button for 17sec at the same time<br/>Then, the display panel will be display the Option setting mode.<br/># After press buttons for 12sec, you can hear ding-dong sound<br/>At this time, don't take away your fingers from the buttons until you hear one more ding-dong sound.</p> <p>2. CH as below.</p> <p>Option Value ↑ Option Item ↑</p> <table border="1"> <tr> <td>Option item</td> <td>REF Defrost off temperature</td> </tr> <tr> <td>MODEL</td> <td>HERMES PJT</td> </tr> <tr> <td>DISPLAY</td> <td>REF 7-SEG<br/>13</td> </tr> </table> <table border="1"> <tr> <td>Button</td> <td>Function</td> </tr> <tr> <td>Fridge</td> <td>Option Item Increase</td> </tr> <tr> <td>Vacation</td> <td>Option Item Decrease</td> </tr> <tr> <td>Freezer</td> <td>Option Value Increase</td> </tr> <tr> <td>Power Freeze</td> <td>Option Value Decrease</td> </tr> </table> <table border="1"> <tr> <td>FRE 7-SEG</td> <td>Option value</td> </tr> <tr> <td>0</td> <td>12.0℃</td> </tr> <tr> <td>1</td> <td>15.0℃</td> </tr> <tr> <td>2</td> <td>10.0℃</td> </tr> <tr> <td>3</td> <td>17.0℃</td> </tr> </table> | Option item | REF Defrost off temperature | MODEL | HERMES PJT                 | DISPLAY | REF 7-SEG<br>13            | Button | Function       | Fridge | Option Item Increase | Vacation | Option Item Decrease | Freezer | Option Value Increase                       | Power Freeze | Option Value Decrease | FRE 7-SEG | Option value       | 0 | 12.0℃ | 1 | 15.0℃ | 2 | 10.0℃ | 3 | 17.0℃ |
| Option item  | REF Defrost off temperature  |             |                             |       |                            |         |                            |        |                |        |                      |          |                      |         |   |              |                       |           |                    |   |       |   |       |   |       |   |       |
| MODEL  | HERMES PJT   |             |                             |       |                            |         |                            |        |                |        |                      |          |                      |         |   |              |                       |           |                    |   |       |   |       |   |       |   |       |
| DISPLAY  | REF 7-SEG<br>13  |             |                             |       |                            |         |                            |        |                |        |                      |          |                      |         |   |              |                       |           |                    |   |       |   |       |   |       |   |       |
| Button   | Function   |             |                             |       |                            |         |                            |        |                |        |                      |          |                      |         |   |              |                       |           |                    |   |       |   |       |   |       |   |       |
| Fridge   | Option Item Increase   |             |                             |       |                            |         |                            |        |                |        |                      |          |                      |         |   |              |                       |           |                    |   |       |   |       |   |       |   |       |
| Vacation   | Option Item Decrease   |             |                             |       |                            |         |                            |        |                |        |                      |          |                      |         |   |              |                       |           |                    |   |       |   |       |   |       |   |       |
| Freezer  | Option Value Increase  |             |                             |       |                            |         |                            |        |                |        |                      |          |                      |         |   |              |                       |           |                    |   |       |   |       |   |       |   |       |
| Power Freeze   | Option Value Decrease  |             |                             |       |                            |         |                            |        |                |        |                      |          |                      |         |   |              |                       |           |                    |   |       |   |       |   |       |   |       |
| FRE 7-SEG  | Option value   |             |                             |       |                            |         |                            |        |                |        |                      |          |                      |         |   |              |                       |           |                    |   |       |   |       |   |       |   |       |
| 0  | 12.0℃  |             |                             |       |                            |         |                            |        |                |        |                      |          |                      |         |   |              |                       |           |                    |   |       |   |       |   |       |   |       |
| 1  | 15.0℃  |             |                             |       |                            |         |                            |        |                |        |                      |          |                      |         |   |              |                       |           |                    |   |       |   |       |   |       |   |       |
| 2  | 10.0℃  |             |                             |       |                            |         |                            |        |                |        |                      |          |                      |         |   |              |                       |           |                    |   |       |   |       |   |       |   |       |
| 3  | 17.0℃  |             |                             |       |                            |         |                            |        |                |        |                      |          |                      |         |   |              |                       |           |                    |   |       |   |       |   |       |   |       |
| <p><b>Movement of defrost sensor for fridge</b></p>        | <p>Move the defrost sensor from it's original position as shown below.</p>   |             |                             |       |                            |         |                            |        |                |        |                      |          |                      |         |   |              |                       |           |                    |   |       |   |       |   |       |   |       |
| <p><b>Additional assembly of Support -cover Evap</b></p>   | <p>Add service parts(foam lex)</p> <p>SUPPORT COVER EVAP</p> <p>Foam-lex 7T</p>  |             |                             |       |                            |         |                            |        |                |        |                      |          |                      |         |   |              |                       |           |                    |   |       |   |       |   |       |   |       |
|  | <p>Service parts made of kit are supplied(DA81-01997A)</p> <p>* Service Kit components</p> <table border="1"> <tr> <th>No</th> <th>Item</th> </tr> <tr> <td>1</td> <td>A/S ASSY SUPT-Cover EVAP L</td> </tr> <tr> <td>2</td> <td>A/S ASSY SUPT-Cover EVAP R</td> </tr> <tr> <td>3</td> <td>DEFROST SENSOR</td> </tr> <tr> <td>4</td> <td>FIXER SENSOR</td> </tr> <tr> <td>5</td> <td>Seal Cut OJC</td> </tr> <tr> <td>6</td> <td>Manual of adjusting defrost off temperature</td> </tr> </table> <table border="1"> <tr> <th>Photo</th> <th>Part number</th> </tr> <tr> <td> </td> <td><b>DA81-01997A</b></td> </tr> </table>  | No          | Item                        | 1     | A/S ASSY SUPT-Cover EVAP L | 2       | A/S ASSY SUPT-Cover EVAP R | 3      | DEFROST SENSOR | 4      | FIXER SENSOR         | 5        | Seal Cut OJC         | 6       | Manual of adjusting defrost off temperature | Photo        | Part number           |           | <b>DA81-01997A</b> |   |       |   |       |   |       |   |       |
| No   | Item   |             |                             |       |                            |         |                            |        |                |        |                      |          |                      |         |   |              |                       |           |                    |   |       |   |       |   |       |   |       |
| 1  | A/S ASSY SUPT-Cover EVAP L   |             |                             |       |                            |         |                            |        |                |        |                      |          |                      |         |   |              |                       |           |                    |   |       |   |       |   |       |   |       |
| 2  | A/S ASSY SUPT-Cover EVAP R   |             |                             |       |                            |         |                            |        |                |        |                      |          |                      |         |   |              |                       |           |                    |   |       |   |       |   |       |   |       |
| 3  | DEFROST SENSOR   |             |                             |       |                            |         |                            |        |                |        |                      |          |                      |         |   |              |                       |           |                    |   |       |   |       |   |       |   |       |
| 4  | FIXER SENSOR   |             |                             |       |                            |         |                            |        |                |        |                      |          |                      |         |   |              |                       |           |                    |   |       |   |       |   |       |   |       |
| 5  | Seal Cut OJC   |             |                             |       |                            |         |                            |        |                |        |                      |          |                      |         |   |              |                       |           |                    |   |       |   |       |   |       |   |       |
| 6  | Manual of adjusting defrost off temperature  |             |                             |       |                            |         |                            |        |                |        |                      |          |                      |         |   |              |                       |           |                    |   |       |   |       |   |       |   |       |
| Photo  | Part number  |             |                             |       |                            |         |                            |        |                |        |                      |          |                      |         |   |              |                       |           |                    |   |       |   |       |   |       |   |       |
|  | <b>DA81-01997A</b>   |             |                             |       |                            |         |                            |        |                |        |                      |          |                      |         |   |              |                       |           |                    |   |       |   |       |   |       |   |       |

**Application** Reference ( ), Only Defected sets ( O ), Whole sets ( )

**Attachment** Schematic Diagram ( ), Mechanical Diagram ( ), None ( ), Others ( ), Applied Model ( )

**Product Month :** All **Serial No. ( - from )**

**Published by :** J.Y Kim **Checked by :** N.Y Jeun **Approved by :** S.J Shin

| Step | Description   | Used Part  |
|------|---|--|
| 1    | Adjust defrost off temperature refer to Main bulletin   | -  |
| 2    | Disassemble cover evap<br>   | -  |
| 3    | Move the defrost sensor from it's original position as shown below.<br>                            | Defrost sensor<br>Fixer Sensor                   |
| 4    | Replacement of Seal cover Evap R/L<br>Remove seal damaged from water and then attach new seal<br> | SEAL CUT OJC                                     |
| 5    | Assemble Support Cover Evap on deodorizer part<br>  | ASSY SUPT-Cover EVAP L<br>ASSY SUPT-Cover EVAP R |
| 6    | Re-assemble Cover Evap<br>   | -  |