

Bulletin No: REF076
Date Issued: 22/11/2016
Reference No: EHR-S053
Issued by: B. Nguyen

SERVICE BULLETIN REFRIGERATOR

MODEL: SJ244VWH, SJ308VSL, SJ308VWH, SJ339VSL, SJ339VWH.

SUBJECT: Change of connector for AC/DC fan motor.

GENERAL: We decided to change connector of the AC/DC fan motor to eliminate possibility of wrong motor installed due to human error.

ACTION: Please refer to below to differentiate between old fan motor (RMOTRA136CBZZ) and the new fan (RMOTRA161CBZZ).

Ref	Description	Part Code			
		OLD	NEW	Qty	Price code
1-14	Fan motor	RMOTRA136CBZZ	RMOTRA161CBZZ	1	BA
	Connector pin	6 pin	8 pin		

DIFFERENTIATE	RMOTRA136CBZZ (OLD)	RMOTRA161CBZZ (NEW)
APPERANCE		
CONNECTOR		
TAG	Parasonic FDGC285HIF 220-240Y 50/50Hz HMOTRA1860BZZ G0818ZT MADE IN THARAMO	Panasonio Fogozeshif 200-240V 50/56Hz MAX. 18/28/W IMOTTRATETORZ B0315ZT MADE IN THAILAND

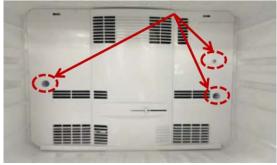
PRODUCTION CHANGE: Various depend on model.

Case 1: If the faulty fridge used the 6 pin connector, please reuse the 6 pin connector from the faulty fan as per procedure below

a) Please take off F-Shelf, ice cube maker and ice cube box from cabinet.

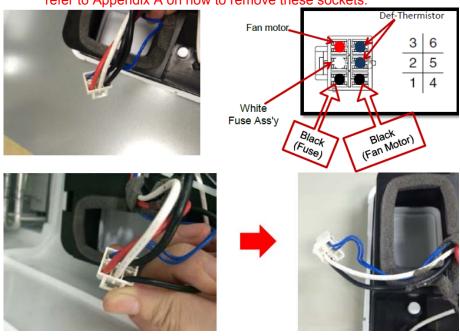


b) Remove F-louver screws, position as below picture.

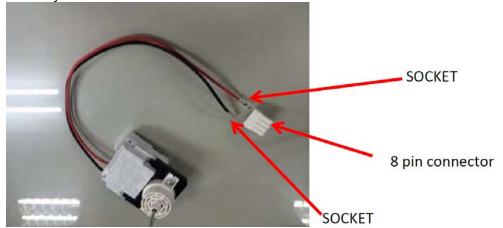


c) Please disconnect the Def-themistor, Fuse Ass'y and fan motor connectors from F-Room to take off F-Louver ass'y prior replacing new fan motor.

d) Carefully take off the fan cables 3 (red) and 4 (black) from the 6 pin sockets. Please refer to Appendix A on how to remove these sockets



e) Carefully take off the fan cables from the socket of the fan motor RMOTRA161CBZZ.



f) Insert new fan motor (RMOTRA161CBZZ) cable in step e) to connector in step d). Note red to pin 3 and black to pin 4.



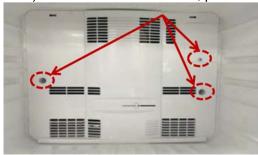
- g) Checking defrost thermistor as per Appendix B.
- h) Checking thermo fuse by using the DVM to check if there is short circuit between pin 1 and 2.
- i) Assemble the unit in the reverse order then proceed to the common procedure j).

<u>Case 2:</u> If the faulty fridge used the 8 pin connector, please use the new 8 pin connector as per procedure below

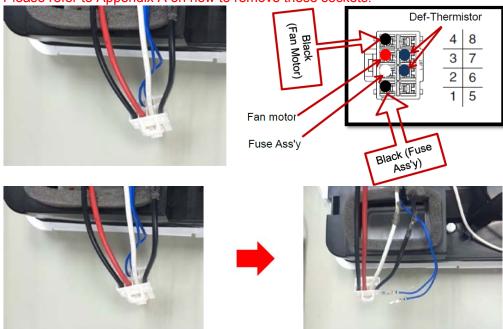
a) Please take off F-Shelf, ice cube maker and ice cube box from cabinet.



b) Remove F-louver screws, position as below picture.



- c) Please disconnect the Def-themistor, Fuse Ass'y and fan motor connectors from F-Room to take off F-Louver ass'y prior replacing new fan motor.
- d) Carefully take off Def thermistor cables 6 (blue) & 7 (blue) from the old 8 pin socket. Please refer to Appendix A on how to remove these sockets.



e) Carefully take off the fuse cables 1 (black) & 2 (white) from the old 8 pin socket. Please refer to Appendix A on how to remove these pins.



f) Please insert the Def thermistor and fuse cables in step d) and e) to the new fan motor socket RMOTRA161CBZZ.



- g) Checking defrost thermistor as per Appendix B.
- h) Checking thermo fuse by using the DVM to check if there is short circuit between pin 1 and 2.
- i) Assemble the unit in the reverse order then proceed to the common procedure j)

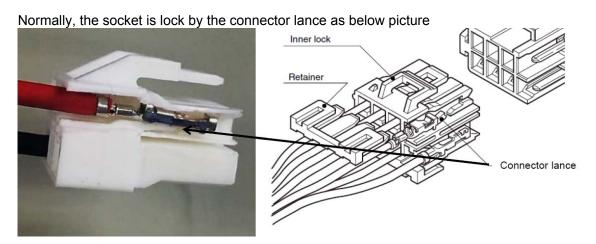
SHARP CORPORATION of AUSTRALIA PTY. Limited

COMMON PROCEDURE TO CHECK IF THE FAN IS WORKING

j) Turn on the power of the fridge and check the air flow of the new fan. If there is no air flow then check for incorrect assemble of the fan socket. Note if the refrigerator was power off for less than 6 minute then the compressor may be in lock mode hence the fan may not operate.



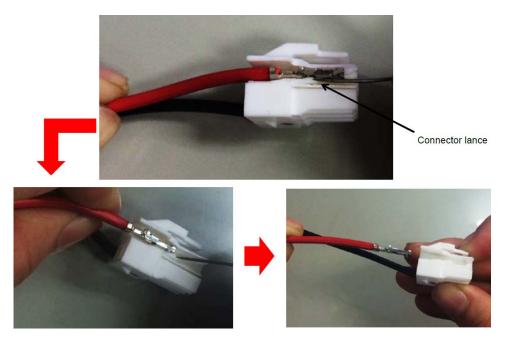
APPENDIX A: How to remove the socket from fan connector



So in order to remove the socket you need a needle or brooch similar to below



Simultaneously use a needle to press on connector lance in opposite direction of socket and pull the wire at the same time



APPENDIX B: Checking defrost thermistor and its connection

Using the multi-meter measure whether the temperature resistance value of defrost thermistor is correct as per conversion table below. Please disconnect the connector "CN3" on the PWB and measure the resistance value between pin 3 and 4 as per below.

