



Full Size Top Mount Refrigerator

Training Presentation





CAMDEN, SC Manufacturing Facility



TYPICAL TOP MOUNT

Run Numbers

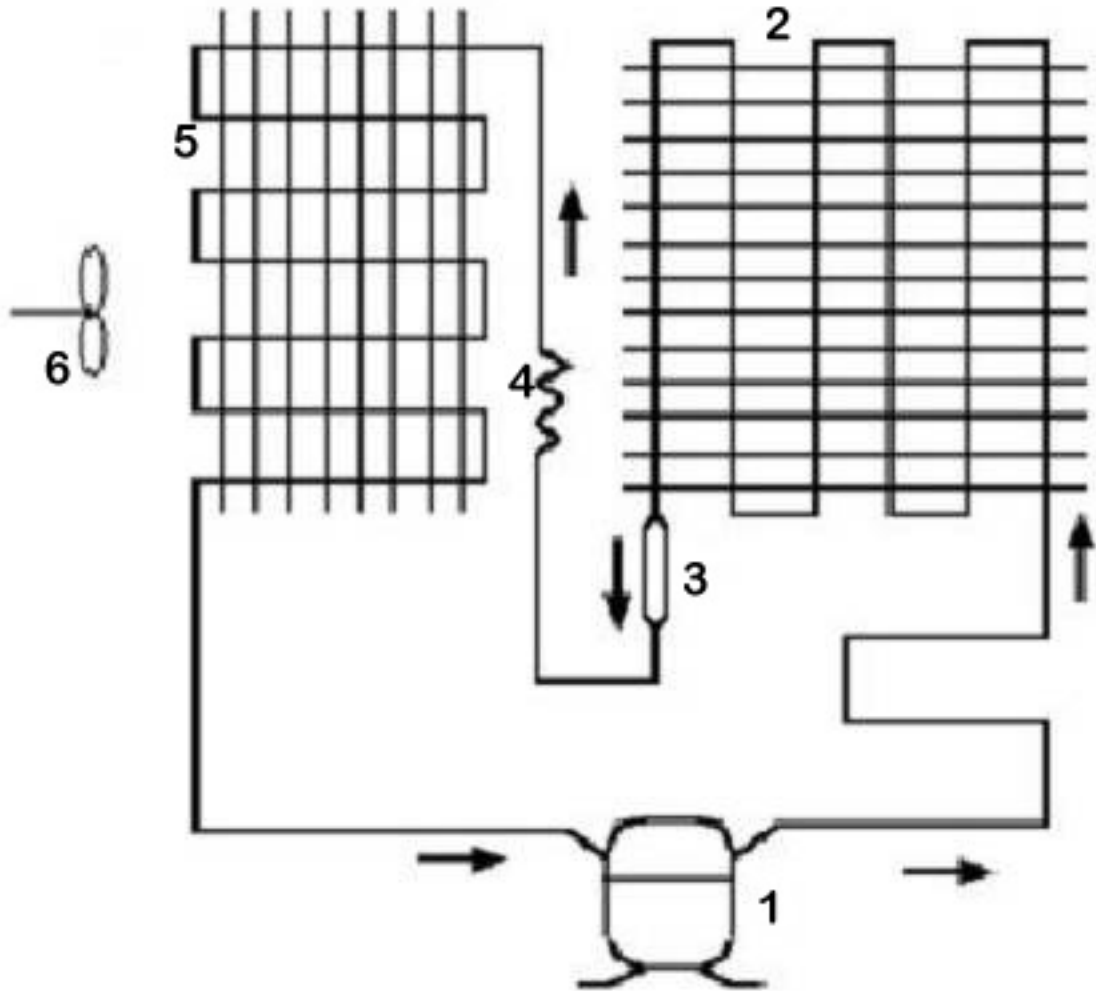
Always use run numbers when ordering parts

Example: HTE18WNAWW-05

Model Number-----Run Number



REFRIGERATION SYSTEM



- 1 Compressor
- 2 Condenser
- 3 Drier
- 4 Capillary Tube
- 5 Evaporator
- 6 Evaporator Fan Motor

DATA TAG and SCHEMATIC

Haier[®] REFRIGERATOR	
MODEL	HTQ18JAAWW
FREEZING CLASS	* ** *
CLIMATE CLASS	ST
PROTECTION CLASS	I
FREEZER VOLUME	4.85 cuft
STORAGE VOLUME	13.38 cuft
VOLTAGE	115V, 60Hz
INPUT POWER	140W
DEFROST INPUT POWER	300W
ENERGY CONSUMPTION	482kW · h/year
FREEZER CAPACITY	6.5kg/24h
REFRIGERANT	R134a 130g
NET WEIGHT	108kg
DIMENSION(HxWxD)	1861x752x820
SERIAL No.	

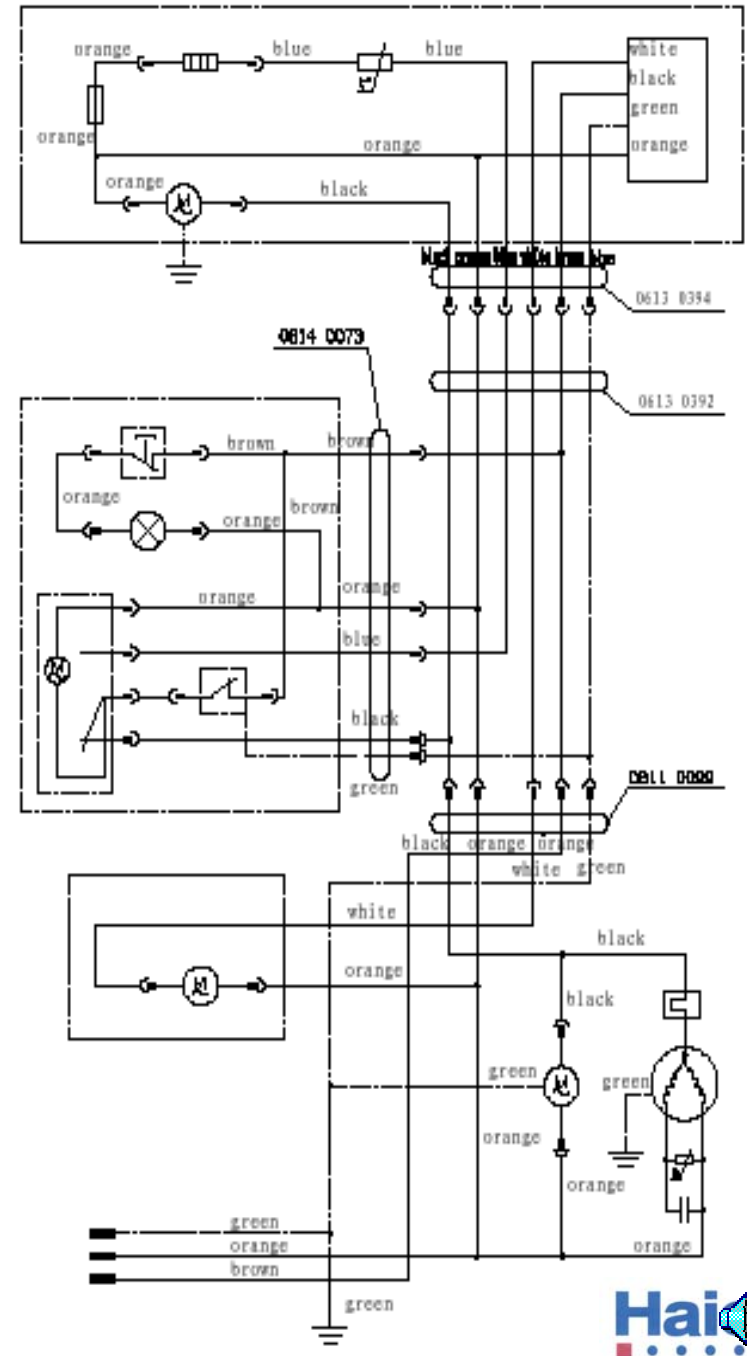
115V~
60Hz

A. PLUG B. SWITCH C. LAMP D. ICE MAKER(PREPARATIVE)
E. VALVE(PREPARATIVE) F. THERMOSTAT
G. DEFROST TIMER H. THERMOSTAT I. DEFROST HEATER
J. FUSE K. FAN L. FAN M. OVERLOAD PROTECTOR
N. COMPRESSOR O. PTC P. RUNNING CAPACITOR

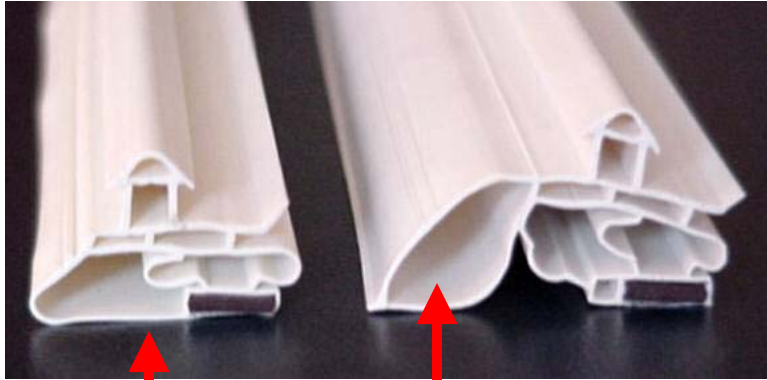
SCHEMATIC FROM THE ONLINE SERVICE MANUALS

The on line service manual schematic shows more detail than what is found on the refrigerator data sheet

Parts and Service Manuals
are located at
www.haieramericasupport.com



DOOR GASKETS are a push in design



Later Design
Stronger
Larger air dam

Pre 2004

All replacement parts will be **later** design



BOTTOM VIEW
Showing Condenser and Rollers



COMPRESSOR COMPARTMENT

Water Valve Connector

Additional
Serial Number

Condenser Fan Motor
and quick disconnect

COMPRESSOR COMPARTMENT

Close up

LEAK DETECTION

If a refrigerant leak is suspected, closely check these connections

Compressor

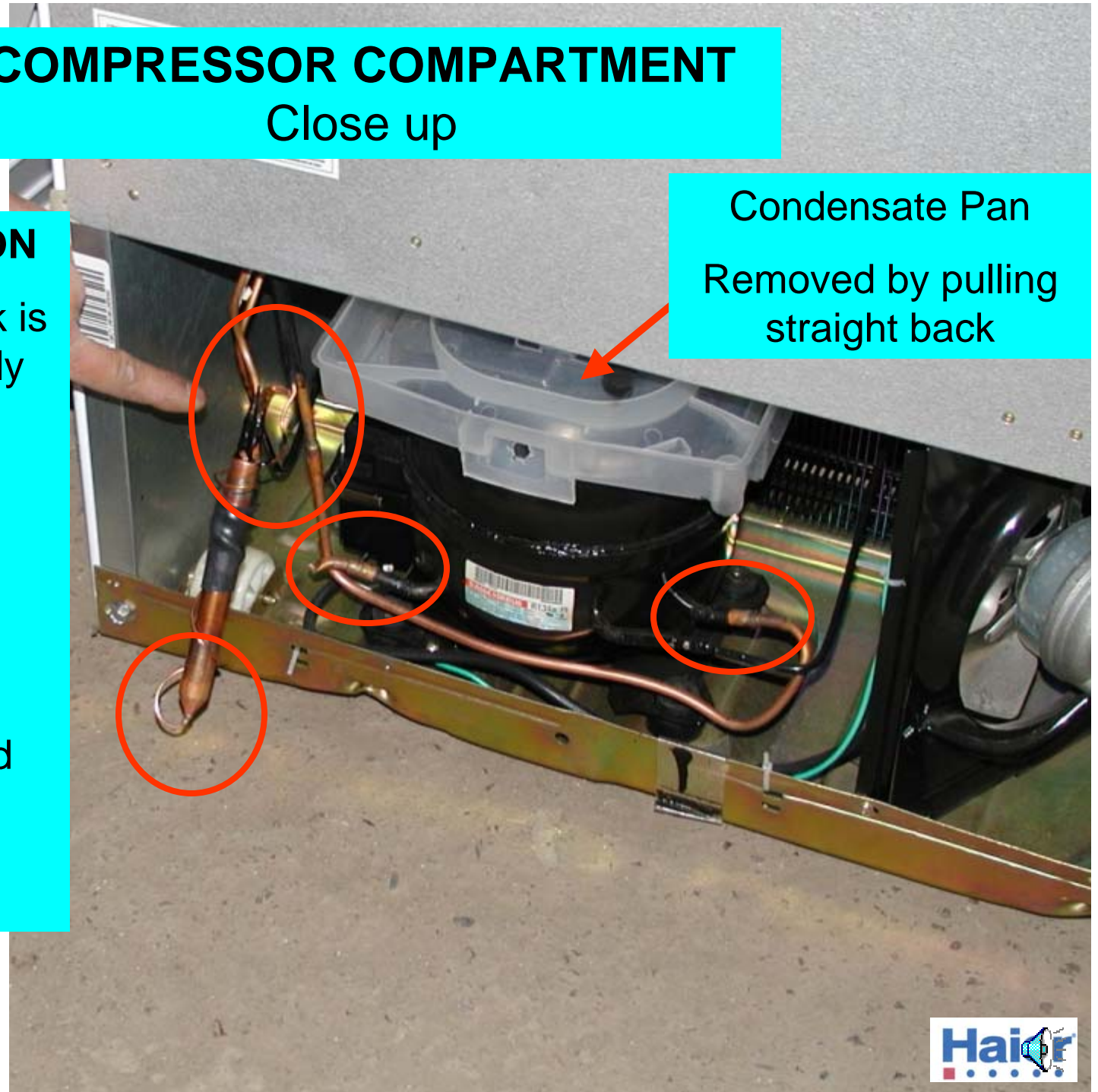
high side

low side

process stub end

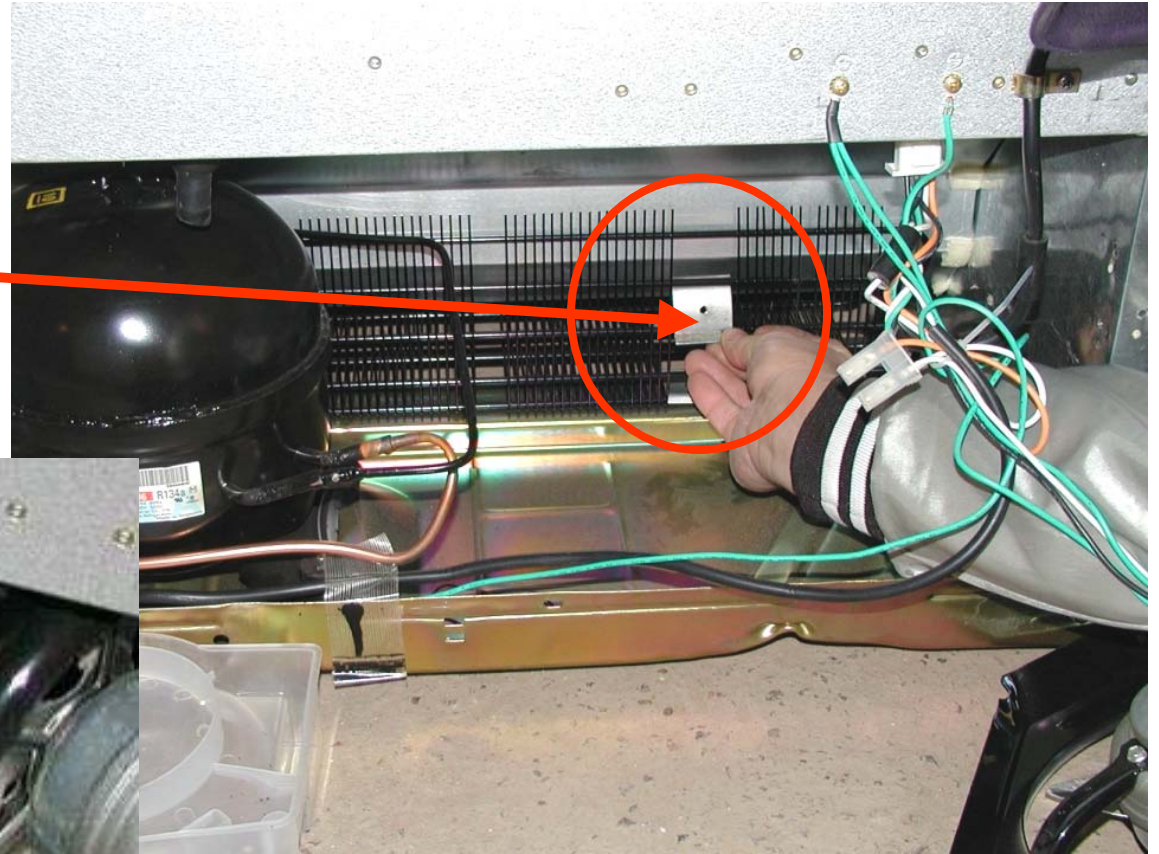
Filter Drier

Condensate Pan
Removed by pulling straight back



CONDENSER FAN SHROUD

The bracket for the rear mounting screw straddles the condenser tubing



mounting screw

CONTROL HOUSING

Remove the screws holding the control housing and drop the housing down

CONTROL HOUSING

Ready to Service



CONTROL HOUSING

Quick Disconnect
allows for easy service



EVAPORATOR ACCESS

3 Screws

Remove
Ice Shelf and Freezer Floor
to gain access to the
Evaporator Cover

3 Plastic Push Pins

EVAPORATOR ACCESS

The pins pull straight up
The floor can then be removed

**Push Pin Part #
RF-1650-10**



EVAPORATOR ACCESS

IMPORTANT

THE NUMBER OF AIR
DIVERSERS VARIES BY
MODEL

IF REPLACING THE
EVAPORATOR FAN MOTOR,
FOLLOW THE
INSTRUCTIONS WITH THE
FAN MOTOR

Air Diversers



EVAPORATOR ACCESS

Remove screws from each side of the air tunnel

Air Diverters lift straight up to remove



Air Diverter removed

EVAPORATOR ACCESS



Twist and release the
Ice Maker Plug

Icemaker Plug Cap
removed



EVAPORATOR AREA

Defrost
Thermostat

Evaporator
Fan Motor

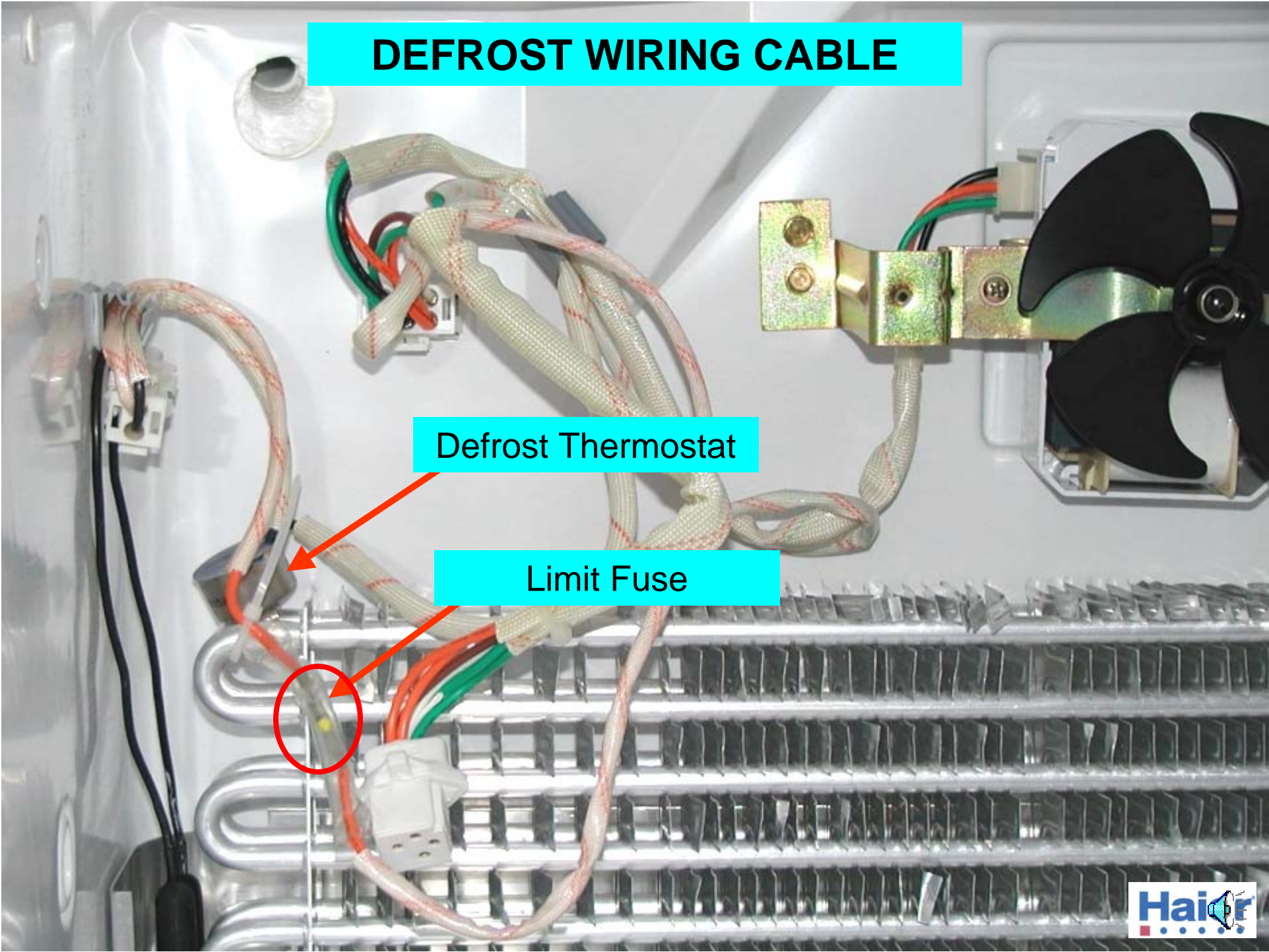
Ice Maker Plug

Defrost Heater

DEFROST WIRING CABLE

Defrost Thermostat

Limit Fuse



DEFROST COMPONENTS

One Time Fuse

Heater

Defrost
Thermostat
removed from its
mounting

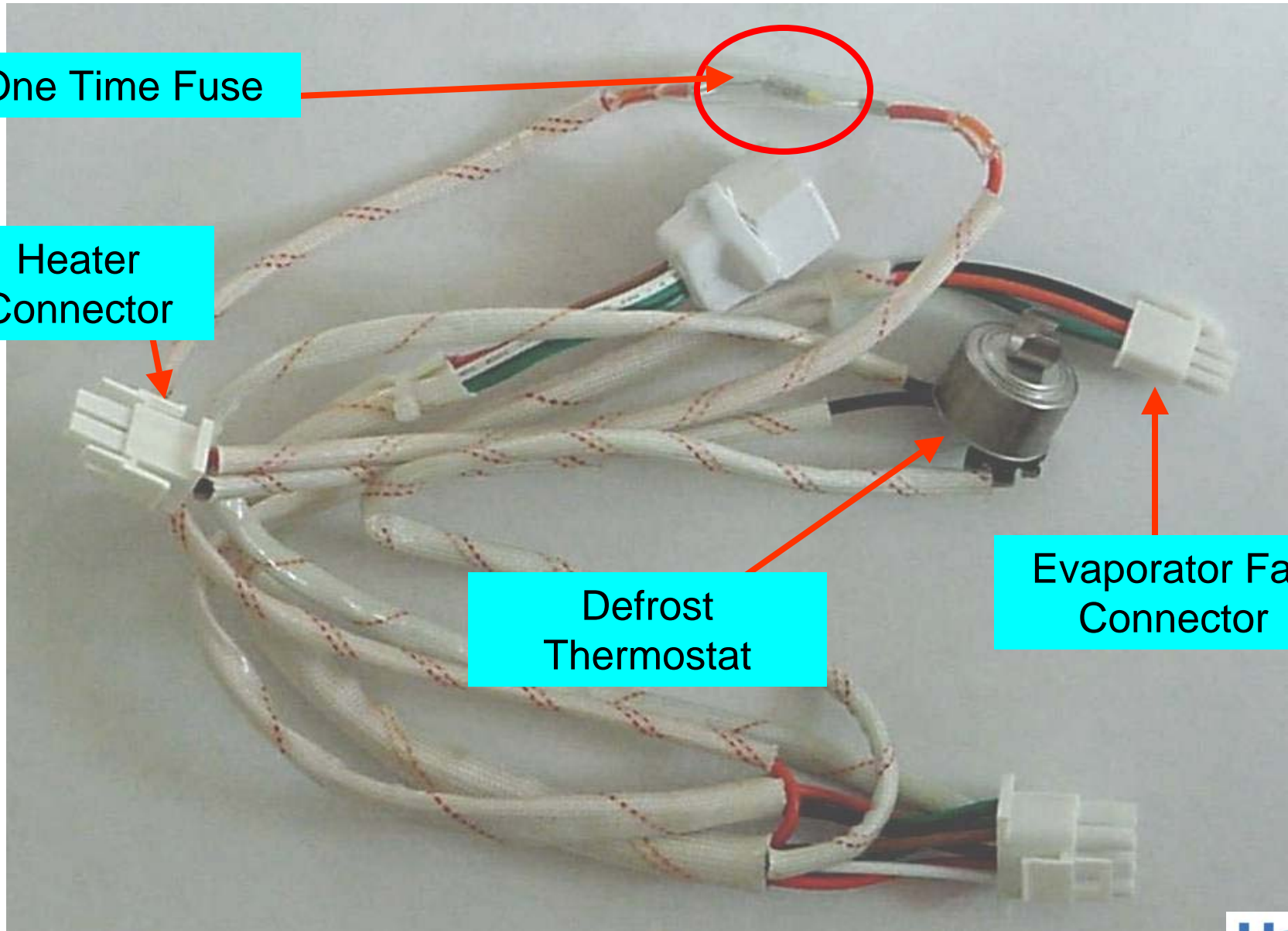
DEFROST HARNESS

One Time Fuse

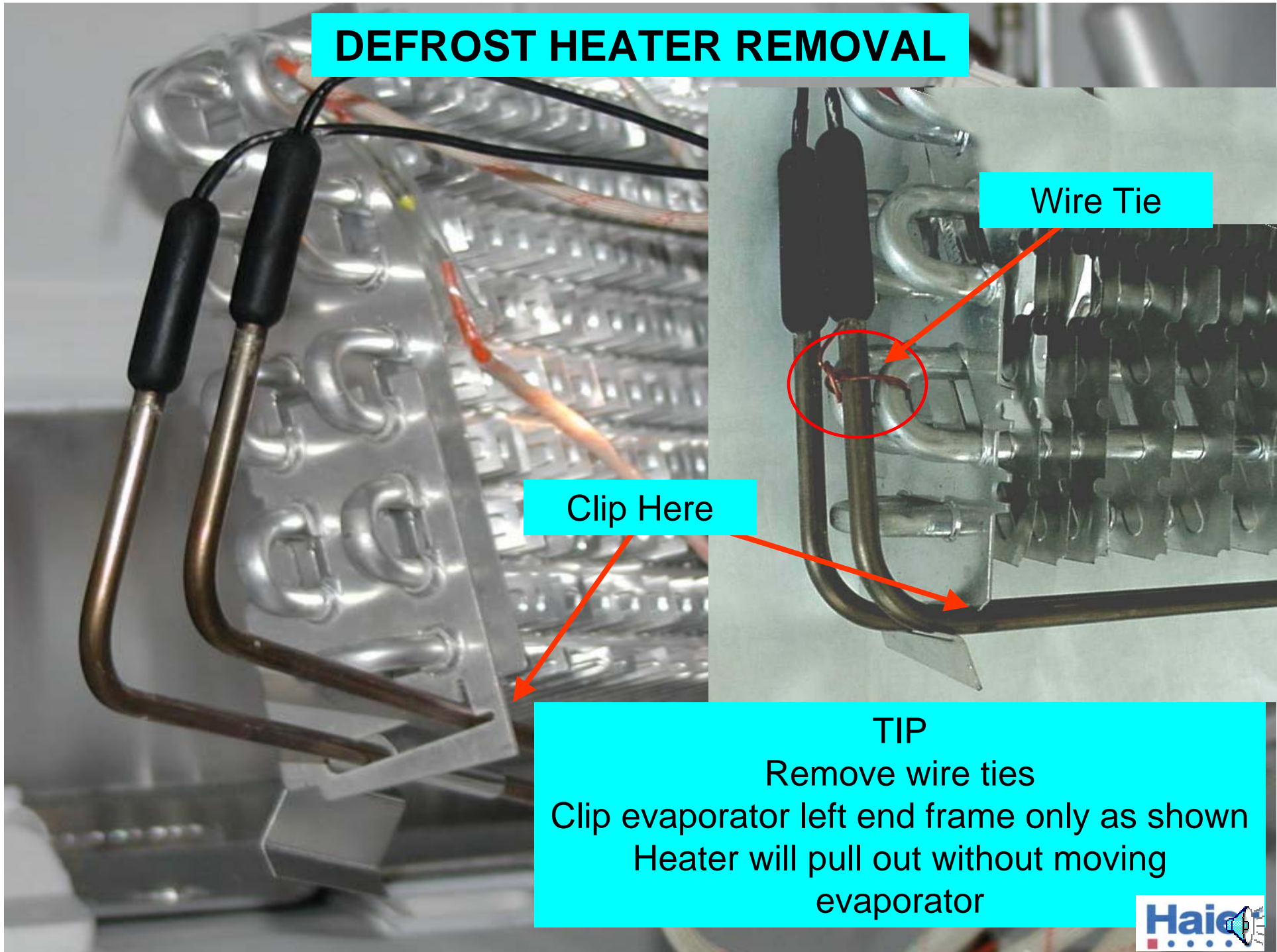
Heater Connector

Defrost Thermostat

Evaporator Fan Connector



DEFROST HEATER REMOVAL



Wire Tie

Clip Here

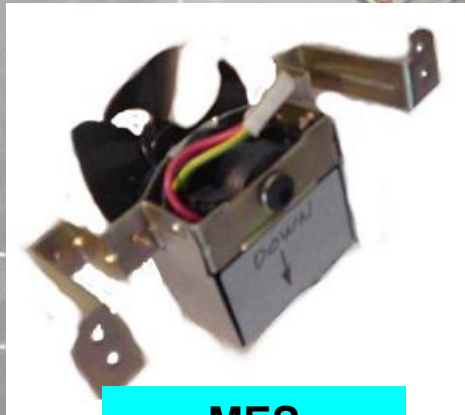
TIP

Remove wire ties

Clip evaporator left end frame only as shown
Heater will pull out without moving
evaporator

EVAPORATOR FAN MOTOR

Remove and Replace



MES



GE & Oh Sung

Screws

Remove screws located at each end of the fan bracket
Disconnect wiring harness

Replacement motor and blade may not be the same as the motor you are taking out

You may need to make additional modifications
See Instructions packed with motor

DOOR ALIGNMENT

Proper Door Alignment is critical in proper operation of the refrigerator and customer satisfaction



DOOR ALIGNMENT

Door Alignment is achieved in several ways



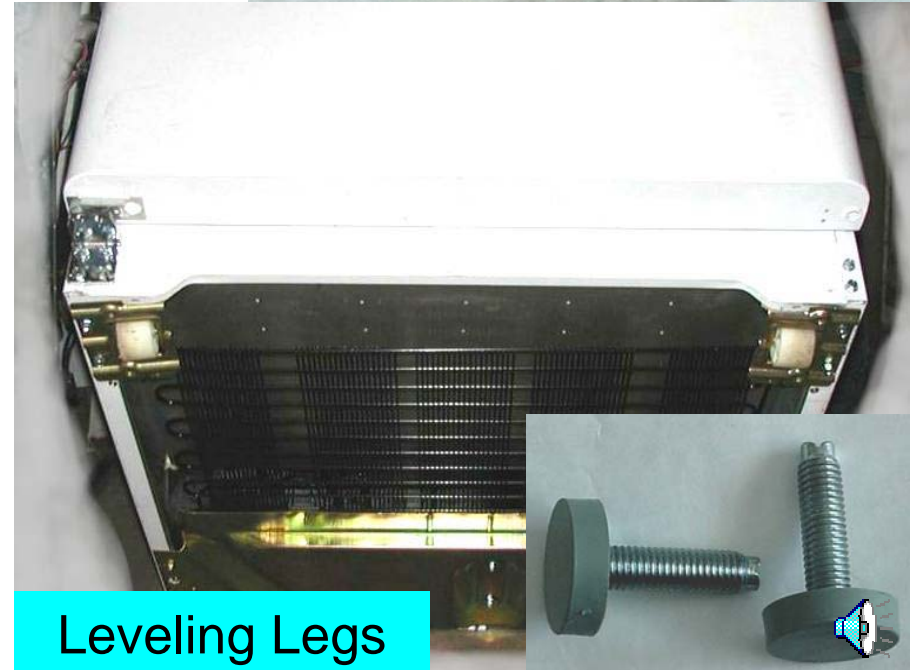
Top Hinge



Bottom Hinge



Center Hinge



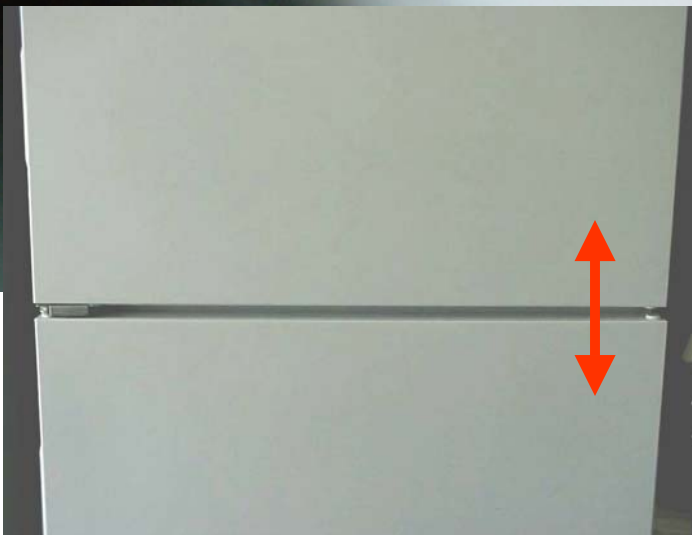
Leveling Legs



DOOR ALIGNMENT

Top Hinge

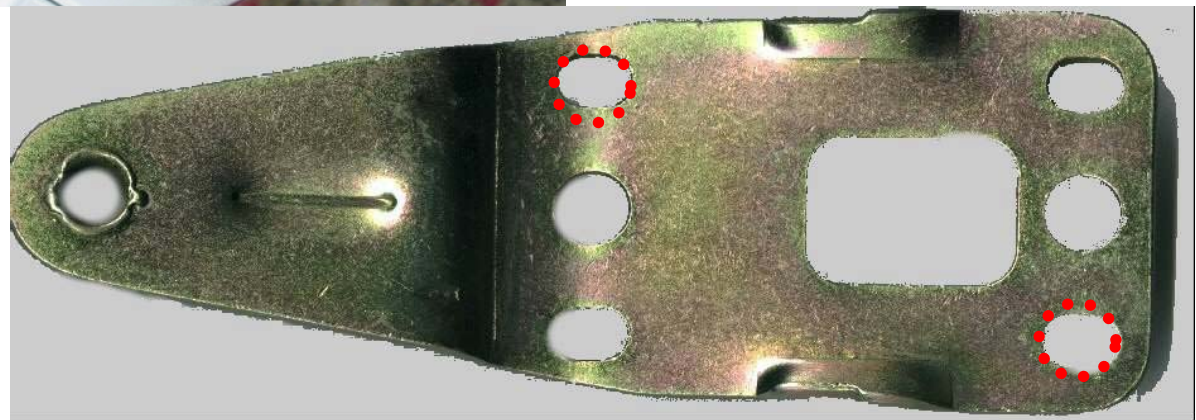
Loosen screws and rotate hinge to achieve alignment with cabinet side and clearance between doors



DOOR ALIGNMENT

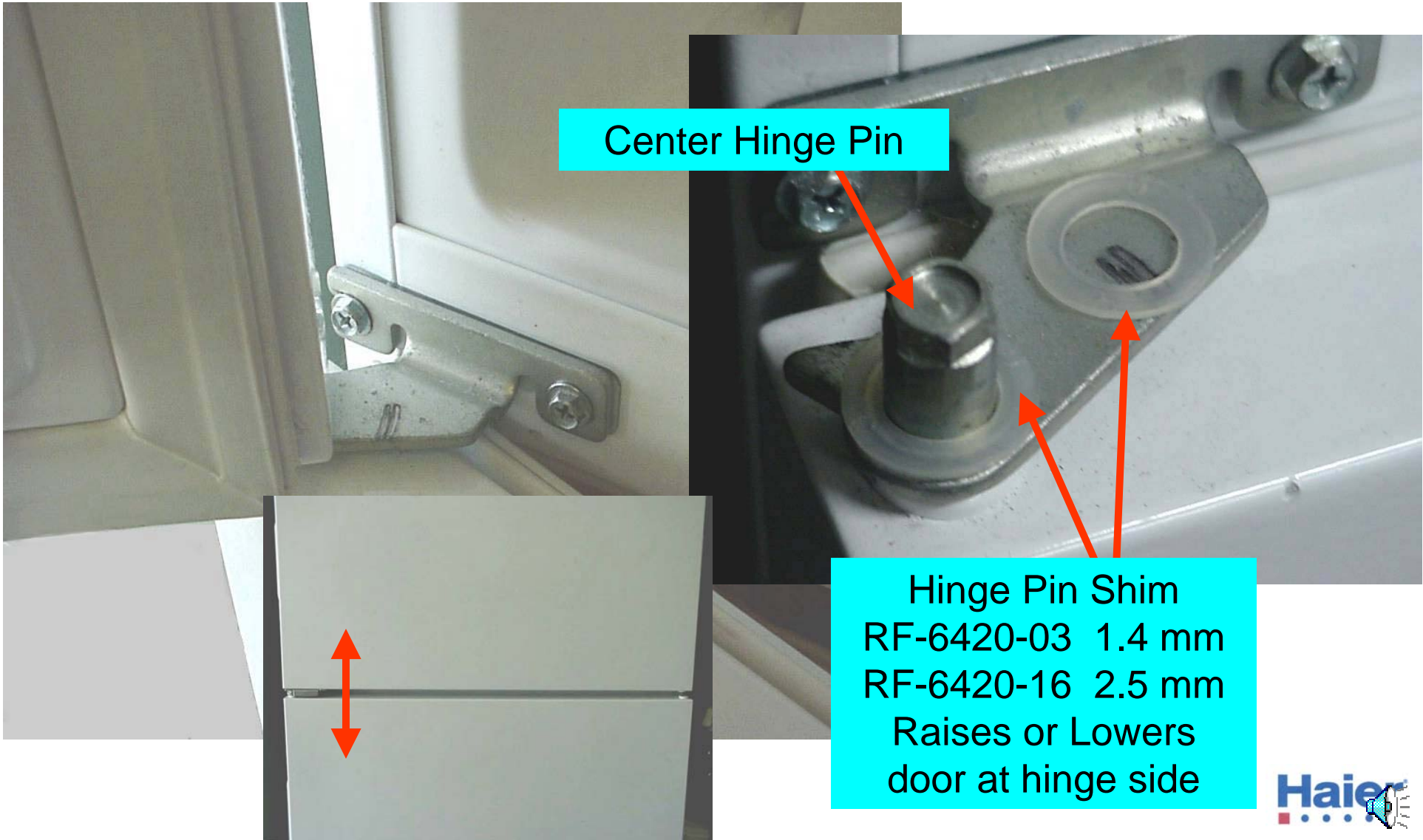
Top Hinge

Additional adjustment can be achieved by enlarging the corresponding holes with a 3/8" drill



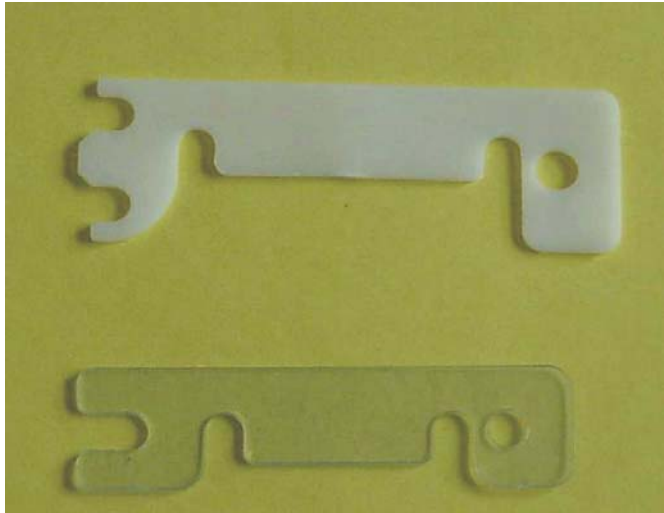
DOOR ALIGNMENT

Center Hinge Adjustments

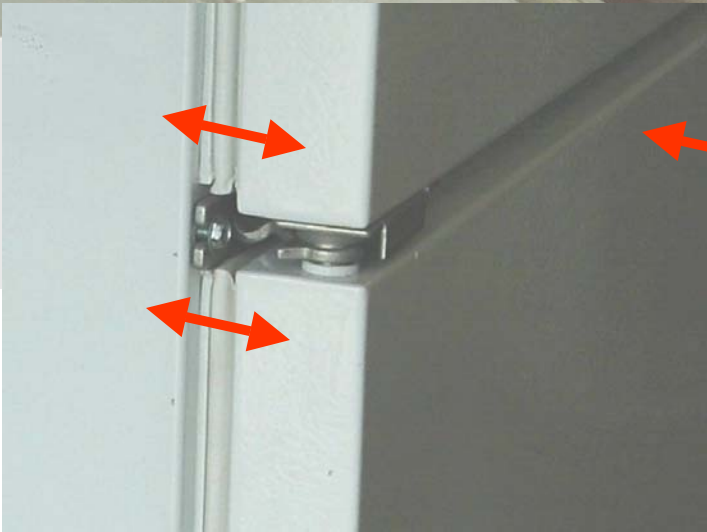


DOOR ALIGNMENT

Center Hinge Adjustments



Center Hinge Shims
2 sizes for different models



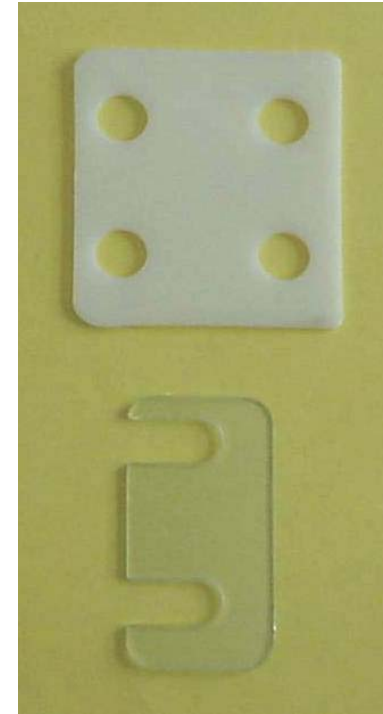
Hinge Shim
Increase or decrease space at hinge
can allow for better closing at
handle side

DOOR ALIGNMENT

Lower Hinge Adjustments



Hinge Pin Shim
RF-6420-03 1.4mm
RF-6420-16 2.5mm
Raises or Lowers
door at hinge side
Same part number
as center hinge



Hinge Shim
Increase or decrease space at
hinge can allow for better
closing at handle side

DOOR ALIGNMENT LEVELING LEGS

Leveling Leg Adjustments

Leveling Leg Adjustment
Leveling legs will need to be down when floor is uneven, pulling the cabinet out of square



HINGE SHIMS



RF-6420-05 Shim
Center Hinge
14-16 cu ft



RF-6420-02 Shim
Center Hinge
18-21 cu ft



RF-6420-04 Shim
Lower Hinge
14cu ft



Shim

RF-6420-03 1.4mm
RF-6420-16 2.5mm
Center and Lower Hinge
14-21 cu ft



RF-6420-01 Shim
Lower Hinge
16-21 cu ft

THANK YOU



www.haieramericasupport.com

