

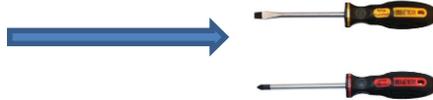
ITV | ICEmakers



Compressor change process

TOOLS

1. Screwdrivers



2. Spanner



3. Refrigeration ratchet wrench



4. Refrigerant recovery machine



5. Manometers



6. Welding torch



7. Welding rod



8. Dry nitrogen

9. Drier

10. Vacuum pump

11. Refrigerant 449A

12. Weighing machine.

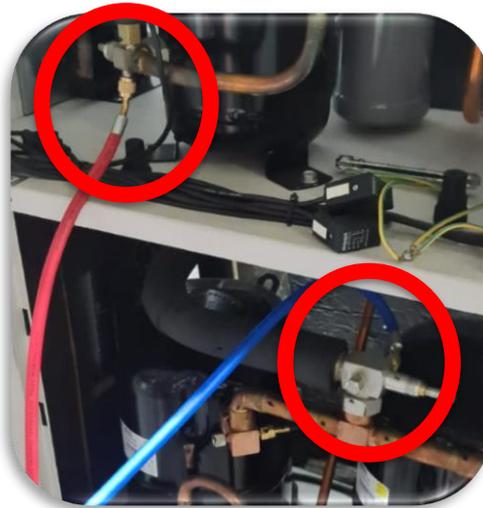
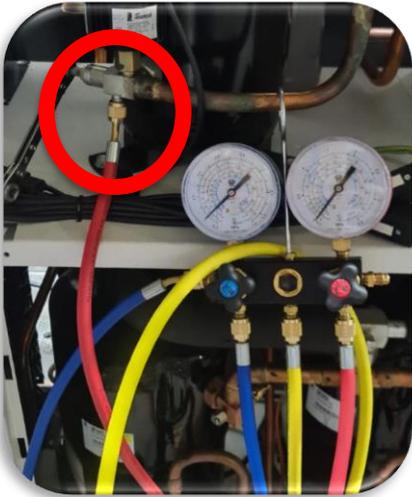
REPAIR PROCESS

1. Remove the front panel of the condensing unit to access the compressors.



REPAIR PROCESS

2. Connect the high and low pressure manometers.



3. Connect the gas recycler to empty the machine.

REPAIR PROCESS

4. Disconnect the electrical connections from the compressor. Memorize the connections to reconnect it later.



5. Remove the suction and discharge nuts of both compressors.

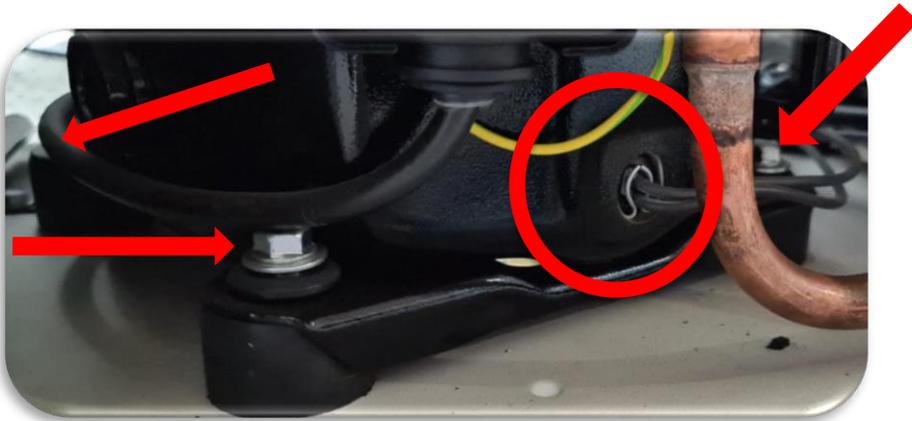


6. Remove the oil collector from the compressors



REPAIR PROCESS

7. Remove the 4 screws from each compressor and the crankcase heater



8. Unsolder the drier.

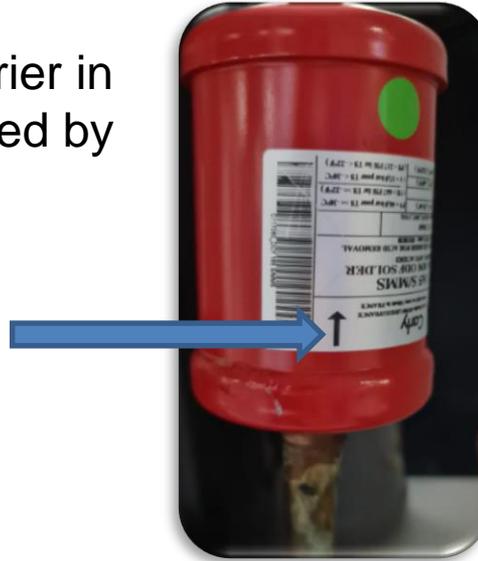


9. Carry out pressurized sweeping with nitrogen through the Refrigeration circuit of the evaporator and suction and liquid pipes.



REPAIR PROCESS

10. Install and Weld the new drier in the correct Direction as indicated by the arrow.



11. Place the new compressors in their location



REPAIR PROCESS

12. Reinstall the oil return tubes that we have removed in point 6.



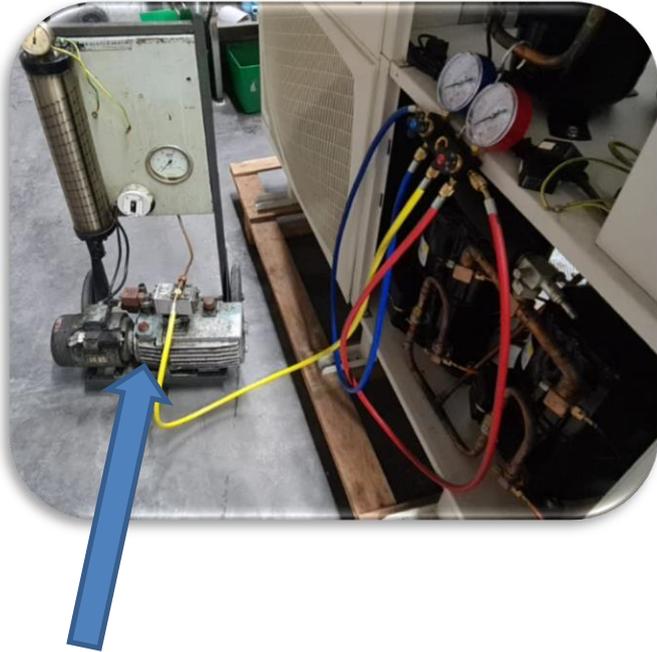
13. Place the nuts that we have removed in point 5. It's very important to place the joints correctly.

14. Connect the electrical connections of the compressor that we have disconnected at the point 4.



REPAIR PROCESS

15. Vacuum the Refrigeration installation. Minimum for 6 hours.



16. Once the vacuum has been made, make sure that there are no leaks.



REPAIR PROCESS

17. Once the vacuum has been made to the installation, the Refrigeration charge is 8Kg. Max 15 meters.

18. Now you can connect the machine.

- Low pressure 1,8 Bar
- High pressure 17 Bar.
- Temperature of evaporation -22°C

If the technician has any questions, he can contact us by whatsapp. +34679960789

ITV | ICEmakers

