



COURSE NUMBER: FMC 162 Semester: Summer-Year 1

Student Name _____

CO-OP III TASK LIST

Upon completion of a task, the student should enter the date of completion and an authorized employee of the dealership must then validate that the task has been successfully completed by initialing next to the date.

Work Area: Heating and Air Conditioning

1. Diagnose the cause of unusual operating noises of the A/C system;
determine needed repairs _____
2. Conduct a performance test of the A/C system _____
3. Leak test A/C system and determine needed repairs _____
4. Discharge, evacuate, and charge A/C system using
recovery/recycling and charging equipment _____
5. Select oil type; measure and add oil to A/C system as needed _____
6. Inspect A/C compressor drive belts and pulleys; replace
and adjust as needed _____
7. Inspect and test A/C compressor clutch components or assembly;
replace as needed _____
8. Remove and replace A/C compressor and mountings _____
9. Inspect and replace A/C compressor shaft seal assembly(s) _____
10. Remove and inspect, A/C system components; replace as needed _____
11. Inspect A/C condenser for air flow restrictions; service as required _____
12. Inspect orifice tube; replace as needed _____
13. Inspect evaporator housing water drain; repair as needed _____
14. Diagnose the cause of temperature control problems in the
heater/ventilation system; determine needed repairs _____

- 15. Diagnose the cause of failures in the electrical controls of heating and A/C systems; determine needed repairs _____
- 16. Inspect and test A/C heater blower motor circuit; repair or replace as needed _____
- 17. Diagnose the cause of failures in the vacuum and mechanical controls of the heating and A/C system; determine needed repairs _____
- 18. Check operation of automatic and semiautomatic heating, ventilation and air conditioning (HVAC) control systems; determine needed repairs _____
- 19. Identify and recover A/C system refrigerant _____
- 20. Recycle refrigerant _____
- 21. Test recycled refrigerant for non-condensable gases _____

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