



EVALUATION OF R-12 PERFORMANCE IN CAR AIR- CONDITIONING

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ABSTRACT

The main objective of this project is to evaluate R-12 performance in car air-conditioning system. To evaluate the performance, firstly we have learned the working of air-conditioning system. We also learned the theory or principle of refrigeration. This is important in the thermodynamic calculation to determine the R-12 performance in car air-conditioning system.

We also identify the function of each component in the car air-conditioning like compressor, condenser and other more. The reason for identify each of the component is to understand the system works.

Before make a test we also learned the safety precaution in handling R-12 refrigerant. While during the testing we should alert about the precaution to avoid an accident.

To obtain the better and correct result of performance in car air-conditioning system we have learned about the servicing procedure like to vacuum and charging the air-conditioning system with a correct amount of refrigerant. Beside that the trouble shooting of the system also learned.

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