

Automobile AC Repair Course Topics (In English)

1. Overview of Automobile Air Conditioning System
 - Importance of Automobile Air Conditioning System
 - Working and Functions of Automobile Air Conditioning System
2. Understand the Refrigeration Cycle
 - Main Steps in Refrigeration Cycle
 - Working of Refrigeration Cycle
3. Role and Function of AC System Components
 - Key Components of an AC System
 - Importance of each component in overall functioning of AC system
4. Safety, Precautions, and Handling of AC System
 - Safety Precautions to be taken while working on AC system
 - Importance of handling Refrigerants carefully
5. Identifying common problems in AC system
 - Common issues which occur in an AC System
 - Identifying common issues in an AC System
6. Sensor testing by multimeter and Introduction to diagnostics tools
 - Using Multimeter to test AC System Sensors
 - Diagnostics Tools which are helpful for troubleshooting AC issues
7. Compressor operation, testing and replacement
 - Role of AC Compressor
 - Testing of AC Compressor
8. Repairing and replacement of AC system hoses and connection
 - Importance of checking AC hoses and connections
 - Repair or Replace damaged AC hose
9. Condenser and evaporator (Cooling coil) inspection and replacement
 - Usage and Importance of Condenser and Evaporator in the AC system
 - Inspection and Replacement of these Components
10. Expansion valve and throttling device operation and replacement
 - Function of the Expansion valve in AC system

- Understanding when to replace the expansion valve
11. Electrical part of Car Air Conditioning system
 - Types of Electrical Components which are involved in AC system
 - How electrical issues affect the operation of the AC system
 12. Performing system pressure and temperature measurements & leakage detection techniques
 - Importance of measuring pressure and temperature in AC system
 - Methods which can be used to detect leaks in AC system
 13. Proper evacuation and refrigerant recovery techniques
 - Understanding Evacuation of AC system
 - Importance of Refrigerant recovery during repairs
 14. Recharging AC systems with refrigerant and lubricants
 - Recharge AC system with refrigerant
 - Lubricants which are used in AC system
 15. Performing routine maintenance tasks
 - Routine Maintenance tasks for the AC system
 - Importance of Regular maintenance tasks
 16. Utilizing technical documentation for troubleshooting and repairs
 - Usage of Technical documentation in Troubleshooting AC issues
 - Types of Documents which are useful for Repairs
 17. Scanning of automatic AC system and how to solve problem by DTC
 - Introduction of DTC and its working in solving problems related to AC system
 - Scanning AC system to identify problems
 18. DTC identifying by Climatronic control panel
 - Information which can be provided by Climatronic Control Panel
 - Using Control Panel to identify DTCs

Automobile AC Repair Course Topics (In Hindi)

1. Overview of Automobile Air Conditioning System
 - Automobile Air Conditioning System का महत्व
 - Automobile Air Conditioning System का Working (कामकाज) और कार्यप्रणाली
2. Understand the Refrigeration Cycle
 - Refrigeration Cycle में मुख्य Steps
 - Refrigeration Cycle का कार्यरत
3. AC System Components के भूमिका और कार्य
 - AC System के ज़रूरी भाग
 - AC System के कुल मिलाकर कार्यप्रणाली में प्रत्येक भाग का महत्व
4. AC System की सुरक्षा, सावधानिया और हैंडलिंग
 - AC System पर काम करते समर् सुरक्षा सावधानिया
 - Refrigerants की सावधानीपूर्वक Handling का महत्व
5. AC System में सामान्य समस्याओं की पहचान करना
 - AC System में आम समस्याएँ
 - AC System में सामान्य समस्याएँ की पहचान कैसे करें
6. Sensor Testing by Multimeter and Introduction to Diagnostics Tools
 - AC System Sensors की जांच के लिए Multimeter का उपयोग
 - Diagnostics Tools जो AC Issues को Troubleshoot करि में मददगार होते हैं
7. Compressor Operation, Testing, and Replacement
 - AC Compressor की भूमिका
 - AC Compressor की परीक्षण
8. AC System Hoses और Connections की repair एवं प्रतिस्थापन
 - AC Hoses और Connections की जांच का महत्व
 - Damage हुए AC Hose की मरम्मत या Replacement कैसे करें
9. Condenser and Evaporator (Cooling Coil) Inspection and Replacement
 - AC System में Condenser और Evaporator का उपयोग और महत्व

- इन Components का निरीक्षण और प्रतिस्थापन
- 10. Expansion Valve और Throttling Device संचालन प्रतिस्थापन
 - AC System में Expansion Valve का कार्य
 - Expansion Valve को Replace करने का समय समझना
- 11. Electrical Part का Car Air Conditioning System
 - AC System में शामिल Electrical Components के प्रकार
 - Electrical Issues का AC System के Operation पर प्रभाव
- 12. सिस्टम दबाव और तापमान माप और लीक पहचान तकनिके लागू करना
 - AC System में Pressure और Temperature को मापने का महत्व
 - AC System में दरार का पता करि के तरीके
- 13. Proper Evacuation और Refrigerant Recovery Techniques
 - AC System की Evacuation को समझना
 - Repairs के दौरान Refrigerant Recovery का महत्व
- 14. Recharging AC Systems with Refrigerant and Lubricants
 - AC System को Refrigerant से Recharge कैसे करें
 - AC System में उपयोग होने वाले Lubricants
- 15. नियमित रखरखाव कार्य करना
 - AC System के लिए नियमित रखरखाव कार्य
 - नियमित रखरखाव कार्य का महत्व
- 16. Troubleshooting और Repairs के लिए Technical Documentation का उपयोग करना
 - AC Issues Troubleshooting में Technical Documentation का उपयोग
 - मरम्मत के लिए उपयोगी दस्तावेज़ के प्रकार
- 17. DTC द्वारा Automatic AC System Scanning की समस्या का समाधानी कैसे करें
 - DTC की Introduction और AC System से संबंधित समस्याओ को हल करने में इसका कार्यरत
 - AC System को Scan करके समस्या की पहचान
- 18. Climatronic Control Panel द्वारा DTC की पहचान
 - Climatronic Control Panel द्वारा प्रदान की गई जानकारी
 - Control Panel का उपयोग करके DTCs की पहचान

Details of the Course

Fees – 35,000/- (Including GST)

Hostel facility – 7,000/- per Month including food

Duration – 21 Days

Location – JustAuto Solutions Pvt. Ltd., Plot No: B1, B2, B3/15, Electronics Estate, GIDC, Sector 25, Gandhinagar, Gujarat

Certification and Recognition

JustAuto Solution's Certification – ISO Certified, Startup India Recognized, MSME Recognized, Skill India Recognized.

JustAuto Solution is authorised and affiliated Training Partner/Centre of Automotive Skill Development Council (ASDC) and Skill India

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