Car Breakdown Detection by Using Computer

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➡ Course Objective

- ➢ To achieve understanding about Car Engine Control System.
- ➢ Provide better understanding about types of fault codes.
- ➢ Give more knoladge about diagnostic and control programs.
- ➢ Will know more in detalis about detection devices, types and forms, detection programs and electrical maps.

➡ Target Audience

- ➢ Mechanical engineers
- ➢ Engineers
- ➢ Anybody interested to attened this training course

➡ Course Outline

- ➢ **Introduction to Car Engine Control System (ECU)**
- ➢ **Data Link** .
  - ▪ Explain how the data and diagnostic information is transferred from the car computer to the detector and the main used programs that are supposed to be in the device you want to buy to support all cars.
- ➢ **Diagnose codes**
  - ▪ Explanation of the types of diagnostic faults in the correct scientific way.

- The code explains what is and how it is read and what each number means.
- Provide you with all the codes in the curriculum you can translate them and know all the codes.

➢ **Diagnostic and control programs.**

- These programs are in the car diagnoses and monitoring the car systems such as the gasoline system and the system of induction and the combustion system and the exhaust system.

➢ **Detection devices, types and forms, detection programs and electrical maps.**

- Explain the types of detectors and how to choose the device that is compatible with all types of European and American cars and Asian explanations and the functions required of the devices so that we can work easier and faster in solving problems.

➢ **Explanation of terms**

- Explain the terms that will face you at diagnosis and find it as a function of the detectors and be a reference to you to help you to detect in correct scientific way.

➢ **Explanation of the Alfaometer Almlmitimeter device (Current, voltage and resistance measuring device).**

- An explanation of how to use this device in the measurement of relays and the confirmation of electrical wirings if it have cutting or not and measuring the resistance and measuring the voltage.

➢ **Sensors**

- The sensors in the engine are explained in terms of their function, how they work and how they are detected if they are working or not.

➢ **Engine systems**

- Many systems will be explained, including cooling system, heat system, gasoline system, inverter system, etc.

➢ **Software required to be used to access the sensor or any non working piece directly.**

▪ will be explained about the softwares which uses in the computer programs that everyone is supposed to provide in the workshop. These programs provide a lot of important information in the tracking of the faults and will explain about this softwares in Korean cars, German car , BMW cars, Mercedes cars and as well as American cars and others.

➢ **The Feature Of Asia Master Training And Development Center**

• we give the participant training bag includes all the necessary tools for the course.

• Working within groups to achieve the best results.

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➡ The Cost Of The Training Program Includes The Following:

1) Scientific article on flash memory.
2) Training Room.
3) Training.
4) Coffee break.
5) The training bag includes all the tools for the course.
6) Accommodation
7) pickup and return from airport

Asia Masters Center

Price (USD)
Communicate with the training department to know the participation fees ➢ **There are offers and discounts for groups**
The details of the bank account
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