

STRUCTURAL BODY REPAIR

AIM OF THE PROGRAMME

This programme is designed to provide the widest scope and quickest opportunity for participants to be able to carry out vehicle damage repair to meet the urgent requirements of the Malaysian automotive repair industry.

Due to majority of the panel beaters still follow the old way to carry out the repair or replacement on the vehicle body structure. Unfortunately, they have overlooked that the body materials that used on current vehicles have changed tremendously such as High Strength Steel (HSS), Ultra High Strength Steel (UHSS) etc which requires new repair method and approach. Therefore, in this programme participants are taught the latest ways to perform the repair or replacement on the vehicle body structure.

The participants will be given comprehensive exposure and skills in reading the OEM vehicle's repair manual which are important for them to refer, especially on the vehicle body measuring and sectioning area.

It is aimed to enhance participants skills to create, assess, and approve accurate repair specifications that would ensure safe repairs, using appropriate and researched repair methods that will meet manufacturers' requirements to repair the vehicles back to pre-accident condition.

This programme also to ensure the car is repaired back to road worthiness and uphold the vehicle integrity, it mostly relies on panel beaters' right repair method. For example, a good and proper welding joint can ensure the quality of the after-repaired vehicle safety. This relates to the knowledge of panel beaters on welding "destructive test" and corrosion protection application.

COURSE DESCRIPTIONS

This is a 2-days training programme consisting of theory and practical modules. This programme is designed to enhance participants skills and knowledge using approved OEM repair methods according to approved researched methods or manufacturer recommendations.

Participants are also exposed to new materials and ADAS installed functions on modern vehicles and the appropriate and safe repair methods. This programme also will enhance participants skills of body sectioning, welding and measuring.

PROGRAMME BENEFITS

Participants will have the knowledge; understand and read OEM Body repair manuals.

Participants able to carry out proper sectioning, welding and measuring according to OEM Body Repair manual.

Participants will understand the new material on modern vehicles and repair methods.

Participants will know the importance of corrosion protection.

MODULES:

BODY & PAINTS OPERATION FLOW

- Understanding how a common Body & Paint workshop operates
- Practice the B&P Operation Flow
- Auto body technician / Panel Beater Duty & Responsibility

COLLISION REPAIR FUNDAMENTALS

- Understanding the Collision Theory, Car Crashes and Relationship of the forces involved in a collision

UNDERSTANDING OEM BODY REPAIR MANUAL

- OEM Body Repair Manual Operation Process & Sectioning
- OEM Body Vehicle Measuring
- OEM Body Vehicle Welding Spot Area

FUNDAMENTALS OEM REPAIR PROCEDURE

- Caution and warning
- Model information
- Standard Operation Procedures
- SRS airbags, hybrid electrical cars and high voltage vehicles

BODY AND REPAIR

- Material usage (metallurgy)
- Dimension and measurement
- Body panel, removing and sectioning
- Body panel, welding and joint
- Corrosion Protection Application

JPJ TECHNICAL APPLICATION / PUSPAKOM CHECK

- JPJ Technical Application & Guidelines
- Identifying types of repair to be eligible for JPJ Technical application

PRACTICAL ASSESSMENT

- Participants are required to be access on practical skills

TARGET PARTICIPANTS

- Workshop Repairer (Owner, Manager, Supervisor, Auto Body Technician, Panel Beater)
- Insurance Company (Manager & Assessor)
- Adjuster Firm (Manager & Adjuster)

COURSE DETAILS

- Duration: 2 days course (1 day Theory, 1 day Practical)
- **HRD CORP CLAIMABLE COURSE**
- Certificate: **IMI (PAC) & MRC (Attendance & Accomplishment)**

DAY 1

TIME	PROGRAM
8:30 AM	Arrival of Participants
9:00 AM	Safety Briefing Self & Participants' Introduction
9:15 AM	BODY & PAINTS OPERATION FLOW COLLISION REPAIR FUNDAMENTALS
10:30 AM	15 minutes Break
10:45 AM	UNDERSTANDING OEM BODY REPAIR MANUAL FUNDAMENTALS OEM REPAIR PROCEDURE
12:30 PM	Lunch Break
2:00 PM	UNDERSTANDING VEHICLE SYSTEM REPAIR
3:30 PM	15 minutes Break
3:45 PM	COMPONENTS AND PARTS VERIFICATION
4:30 PM	Emphasize on Key Important Notes Question & Answer
5:00 PM	End

DAY 2

TIME	PROGRAM
8:30 AM	Arrival of Participants
9:00 AM	Review on yesterday's modules Briefing on Assessment Process
10:00 AM	Theory 25 questions Practical Assessment
3:00 PM	Review on Theory and Practical Assessment Answers Question & Answer
5:00 PM	End



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