VE COMMODORE & VF COMMODORE COLLISION REPAIR PROGRAM

GMHA1

The VE Commodore was the first vehicle built by GMH utilising HSS, AHSS and UHSS. This represented many challenges to Collision Repairers when faced with the task of performing complete and safe repairs. The VF Commodore has improved safety features and although there is a reduction in weight, the structure has improved safety capabilities. The VF Commodore also boasts the most advanced electrical architecture in an Australian designed and built car. This course is fully endorsed by GMH and provides valuable information for technicians repairing these vehicles.

Course Content

Module 1 — Repair Information

This module will show the student how to access repair information, provide an overview of heating and welding recommendations as well as discussing safety concerns when repairing Commodores.

Module 2 — SIR Overview

The course continues with the student learning how to disable and enable SIR systems as well as the safe handling of SIR components. The module also discusses repair considerations as well as inspections required to SIR systems after a collision.

Module 3—Repair Information

This module discusses in detail all the grades of steel, the repair limitations as well as repair recommendations for the metals used in the VE Commodore.

Module 4—Repair Procedures

The student will be provided with information outlining standard safety precautions when performing repairs. The module will also cover many of the engineering changes that have resulted in modifications to repair procedures from the front through to the rear of the vehicle.

Module 5—VF Commodore

The course now looks at the changes introduced with the VF Commodore. The module looks at electronic features, the difference in structure to the VE Commodore and new design materials used. The student will understand the importance of protecting electronics and be shown some of the new procedures involved when repairing the VF Commodore.

Recommendations

This class covers the issues when repairing both the VE and VF Commodore. It is recommended that students have an understanding of HSS and collision repair processes. Courses that are helpful include:

- Fundamentals of Collision Repair (FCR01)
- Steel Unitised Structure and Technologies (SPS07)
- Restraints (RES01)
- Advanced Material Damage Analysis (DAM08)

Registrations

To register for VE commodore and VF Commodore Collision Repair Program (GMHA1) click here.

Course Highlights

Points: 0.5

Estimated Duration: 2 Hours

Format: Classroom & Virtual Classroom

Meets the I-CAR training requirements for the following roles:

- ESTIMATOR
- STRUCTURAL TECHNICIAN
- NON-STRUCTURAL TECHNICIAN
- ASSESSOR

After completing this course, you will be able to:

- Identify the safety concerns when repairing VE/VF Commodores
- Explain repair considerations for materials used in the structure
- Describe important restraint system parts, vehicle materials, mechanical, electronic systems and understand repair considerations
- Recognise personal safety precautions and equipment
- Understand vehicle protection and repair precautions. Identify different corrosion protection recommendations from the different OEM's