

COURSE OUTLINE

Revision: S. Ford May 2008

DEPARTMENT:	Automotive Technology
CURRICULUM:	Auto Body Collision Repair
COURSE TITLE:	Quarter Panel Replacement
COURSE NUMBER:	ABR 163
TYPE OF COURSE:	Vocational Preparatory
COURSE LENGTH:	4 weeks
CREDIT HOURS:	5
LECTURE HOURS:	10
LAB HOURS:	100
CLASS SIZE:	20
PREREQUISITES:	ABR 111 (Introduction to Automotive Collision Technology), ABR 112 (Safety and Environmental Practices) and ABR 113 (Welding and Cutting), or instructors permission

COURSE DESCRIPTION:

This module instructs the student to analyze quarter panel damage, determine whether sectioning or full panel replacement is required, the principles and techniques of removing a damaged quarter panel, surface preparation, alignment and installation. Instruction in safety, environmental awareness, human relations and work ethics are taught as an integral part of this course of study.

ABR 163 Quarter Panel Replacement
May 2008

STUDENT LEARNING OUTCOMES ADDRESSED:

1. Critical Thinking and Problem Solving - Critical thinking skills to evaluate damage and select repair method.
2. Computation - Use arithmetic to correctly align replacement quarter panel.
3. Personal Responsibility - Value one's own skills and abilities to restore the fit and repair the automobile to a like new condition.

GENERAL COURSE OBJECTIVES:

At the end of the course the student will:

1. Analyze quarter panel damage and determine whether sectioning or full panel replacement is required.
2. Apply principles and techniques for removing a damaged quarter panel.
3. Demonstrate proper surface preparation before welded panel replacement.
4. Use principles and techniques of quarter panel alignment and installation.

TOPICAL OUTLINE:

APPROX. HOURS

I. Plan quarter panel repairs for sectioning and full panel replacement	20
II. Remove damaged quarter panel	20
III. Prepare surfaces for quarter panel installation	20
IV. Align and install replacement quarter panel	<u>40</u>
Total	100

REVISED BY: Steve Ford
DATE: May 2008