

_____ SOUTH SEATTLE COMMUNITY COLLEGE _____

Technical Education Division

COURSE OUTLINE

Revision: S. Ford February 2012

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

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: February 2012