

\_\_\_\_\_ SOUTH SEATTLE COMMUNITY COLLEGE \_\_\_\_\_

Technical Education Division

### COURSE OUTLINE

Revision: S. Ford February 2012

DEPARTMENT:	Automotive Technology
CURRICULUM:	Auto Body Collision Repair
COURSE TITLE:	Full and Partial Panel Replacement
COURSE NUMBER:	ABR 172
TYPE OF COURSE:	Vocational Preparatory
COURSE LENGTH:	5 weeks
CREDIT HOURS:	7
LECTURE HOURS:	20
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 students to understand full or partial panel replacement, uses of various types of joints used in sectioning, repair or replacement of a complete rail section, rocker panel, A and B pillar, floor pan, truck floor and full body section.

#### STUDENT LEARNING OUTCOMES ADDRESSED:

1. Computation - Use mathematics to determine proper repair and replacement of parts.

## ABR 172 Full and Partial Panel Replacement

### STUDENT LEARNING OUTCOMES ADDRESSED: (cont.)

3. Technology - Select and use appropriate tools to properly repair the vehicle.

### GENERAL COURSE OBJECTIVES:

At the end of the course the student will:

1. Understand and have knowledge of full or partial panel replacement.
2. Properly select various types of joints used in sectioning vehicles.
3. Be able to repair or replace a complete frame rail assembly.
4. Be able to repair or replace a partial rail assembly.
5. Have the knowledge to be able to repair or replace rocker panel.
6. Be able to successfully section or completely replace an A pillar.
7. Successfully section or completely replace a B Pillar.
8. Have the knowledge to repair and replace a floor pan or truck floor.
9. Have the knowledge to complete a full body section repair.

### TOPICAL OUTLINE:

### APPROX. HOURS

I. Course requirements	5
II. Safety in the work areas	5
III. Principles of full or partial panel replacement	10
IV. Selection and use of various types of joints used in sectioning	10
V. Repair or replace frame rail	15
VI. Repair or replace rocker panel	15
VII. Repair or replace A pillar	15
VIII. Repair or replace B pillar	15
IX. Repair and replace floor pan and truck floor	15
X. Complete full body section repair	<u>15</u>
Total	120

REVISED BY: Steve Ford  
DATE: February 2012