

\_\_\_\_\_SOUTH SEATTLE COMMUNITY COLLEGE\_\_\_\_\_

Technical Education Division

### COURSE OUTLINE

Revision: S. Ford – February 2012

DEPARTMENT: Automotive Technology

CURRICULUM: Auto Body Collision Repair

COURSE TITLE: Panel Replacement and Alignment

COURSE NUMBER: ABR 121

TYPE OF COURSE: Vocational Preparatory

COURSE LENGTH: 3 weeks

CREDIT HOURS: 4

LECTURE HOURS: 15

LAB HOURS: 60

CLASS SIZE: 20

PREREQUISITES: ABR 112 (Introduction to Automotive Collision Technology), ABR 113 (Safety and Environmental Practices) and ABR 114 (Welding and Cutting), or instructors permission

#### COURSE DESCRIPTION:

This module instructs the student to select and understand how to use panel replacement and alignment tools. Instruction in safety, environmental awareness, human relations and work ethics are taught as an integral part of this course of study.

## ABR 121 Panel Replacement and Alignment

### STUDENT LEARNING OUTCOMES ADDRESSED:

1. Technology - Select and use proper tools to remove, install and align bolt-on panels.
2. Critical Thinking and Problem Solving - Assess and evaluate information from many sources.
3. Personal Responsibility - Value own skills and creative ideas and take pride in one's work.

### GENERAL COURSE OBJECTIVES:

At the end of the course the student will:

1. Personal safety practices and how to apply them.
2. Shop and work area safety.
3. Tool and equipment safety.
4. Tool and equipment identification and use.

### TOPICAL OUTLINE:

### APPROX. HOURS

I. Select and understand how to use panel replacement and alignment tools	5
II. Select and understand fastener applications and procedures	5
III. Determine panel alignment method	5
IV. Remove and reinstall bumper, fascia and head panel	20
V. Remove, reinstall, and align hoods, deck lids, and hatches	20
VI. Remove, reinstall, and align fenders, doors and tailgates	20
Total	75

REVISED BY: Steve Ford  
DATE: February 2012