

_____SOUTH SEATTLE COMMUNITY COLLEGE_____

Technical Education Division

COURSE OUTLINE

Revision: S. Ford may 2008

DEPARTMENT: Automotive Technology
CURRICULUM: Auto Body Collision Repair
COURSE TITLE: Restoring Corrosion Protection
COURSE NUMBER: ABR 173
TYPE OF COURSE: Vocational Preparatory
COURSE LENGTH: 1 week
CREDIT HOURS: 2
LECTURE HOURS: 25
LAB HOURS: 0
CLASS SIZE: 20
PREREQUISITES: None

COURSE DESCRIPTION:

This module instructs the students on safely working with chemicals, corrosion and it's affect on vehicles and restoring corrosion protection to collision damaged areas. They will plan effective and correct corrosion protection treatment to welded areas and exposed seams, interior seams, exposed surfaces, trim and accessories during repairs.

STUDENT LEARNING OUTCOMES ADDRESSED:

1. Critical Thinking and Problem Solving - Think critically in evaluating information and solving repair problems.
2. Communication - Read and listen actively to learn.
3. Personal Responsibility - Be aware of civic and environmental issues.

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GENERAL COURSE OBJECTIVES:

At the end of the course the student will:

1. Safely work with chemical
2. Be able to describe the process of corrosion and it's affect on vehicle and describe how corrosion protection is built into vehicles at the factory.
3. Be able to select and use various materials which are affective in restoring corrosion protection on damaged vehicles.
4. Be able to plan and apply to correct corrosion protection treatment to enclosed interior surfaces.
5. Plan and apply recommended protective treatments to welded areas and exposed seams.
6. Apply correct corrosion protection treatments to exposed exterior surfaces.

TOPICAL OUTLINE:

APPROX. HOURS

I. M.S.D.'s safety section	5
II. Course material	1
III. Corrosion principles and factory corrosion protection	3
IV. Repair methods and materials for corrosion protection	3
V. Protecting enclosed interior surfaces	3
VI. Protecting welded areas and exposed seams	3
VII. Protecting exposed interior surfaces	3
VIII. Protection exposed exterior surfaces, trim and accessories	4
Total	25

REVISED BY: Steve Ford
DATE: May 2008