

collision 1

1st 9 weeks

week 1

100 SAFETY

101 Establish general shop safety.

103 Locate and identify fire extinguishers.

104 Locate and operate emergency switches.

105 Explain fire and tornado drill procedures

107 Identify proper chemical disposal techniques.

109 List rules for care and safe use of hand tools.

111 Identify the proper methods and options for safely moving vehicles in the shop area.

week 2

102 Demonstrate proper use of personal safety devices and clothing

112 Identify information on Safety Data Sheets (SDS)

Locate and identify fire extinguishers.

106 Demonstrate proper handling of hazardous materials.

108 Operate shop and spray area ventilation systems proper

week 3

500 METAL FINISHING

- 501 Select proper metal straightening tools
- 502 Describe heat shrinking method for stretched metal.
- 503 Demonstrate weld-on nail gun to repair sheet metal
- 504 Repair metal to industry standards

600 BODY FILLERS

- 601 Select correct body filler and tools.
- 602 Prepare surface for body filler.
- 603 Mix and apply body filler.
- 604 Sand body fillers to correct contour

1300 SURFACE PREPARATION, REFINISHING, AND EQUIPMENT

- 1301 Explain various environmental regulations and other items regulated in an automotive refinishing department
- 1302 Locate hazardous warning information.
- 1303 Select and inspect personal safety equipment and clothing needed for protection during refinishing operations.
- 1304 Demonstrate safe painting practices and use of protective clothing equipment.

week 4

1100 WELDING AND CUTTING

- 1101 Identify different methods of attaching structural components
- 1102 Demonstrate personal safety practices and vehicle protection measures.
- 1103 Set up and tune the MIG welder.
- 1104 Complete a butt joint with backing in various welding positions
- 1105 Complete a fillet weld lap joint.
- 1106 Complete a plug weld in various positions.
- 1107 Define protection of adjacent panels, glass, vehicle interior, etc. from welding and cutting operations.

week 5

1200 CUTTING PROCESSES

1201 Identify cutting processes

1202 Demonstrate sheet metal cutting processes

week 6

1000 corrosion protection

1001 identify corrosion principles and factory corrosion protection

1002 identify repair methods and materials for corrosion protection

1003 describe the application of seam sealers

1004 apply caulking and seam sealer

collision 2.

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week 2

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- Locate and identify fire extinguishers.
- 106 Demonstrate proper handling of hazardous materials.
 - 108 Operate shop and spray area ventilation systems properly.
- 400 TRIM AND HARDWARE
- 401 Identify the principles of full or partial panel replacement (bonded, bolt
 - 402 Identify and select types of fasteners.
 - 403 Remove and replace adhesive-held molding and trim.
 - 404 Remove and install seats.
 - 405 Describe when and how to remove and reinstall carpeting.
 - 406 Identify, remove and install interior parts and hardware
 - 407 Identify, remove and install exterior parts and hardware
 - 408 Remove and install exterior trim, moldings, and emblems

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200 VEHICLE DESIGN AND CONSTRUCTION

201 List the differences between various vehicle frame construction.

202 Identify and describe structural and nonstructural panels of a unibody vehicle

week 6

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300 PANEL REPLACEMENT AND ALIGNMENT

301 Install panels using various alignment methods (weld, bolt).

302 Remove, reinstall, and align bolt on panels.

303 Remove and reinstall wheel assembly

304 Aim headlights using mechanical aiming equipment.

305 Replace wheels/tires.

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