ABCT 1260: Non-Structural Repairs

A. COURSE DESCRIPTION

Credits: 2
Lecture Hours/Week: *.*
Lab Hours/Week: 4
OJT Hours/Week: *.*
Prerequisites: None
Corequisites: None
MnTC Goals: None

The emphasis of this course is on the removal, replacement, and proper alignment of bolt on, weld on, and adhesively mounted cosmetic panels and non-structural stationary glass. Included in this course is the analysis of upper body damage through upper body dimensions and panel fit. Available adjustments to establish proper gap and alignment are also presented and applied. (Prerequisite: ABCT1113 and instructor approval) (2 Credits: 0 lec/2 lab)

B. COURSE EFFECTIVE DATES: 10/15/1998 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Latches and strikers
2. Outer body panels
3. Non-structural glass
4. Upper body dimensions
5. Corrosion protection
6. Perform assignments
7. Capstone project
D. LEARNING OUTCOMES (General)
   1. Identify personal health and safety issues as they apply
   2. Exhibit personal health and safety practices
   3. Identify replacement panel sources
   4. Identify the five available methods of adjustment
   5. Identify latch and striker adjustment procedures
   6. Adjust hood, deck lid, and door latches and strikers as assigned
   7. Remove/replace vehicle innerskirts and liners
   8. Remove/replace bumper/facia assemblies
   9. Remove/replace grille and lamp assemblies
  10. Remove/replace rear body finish panel and tail lamp assemblies
  11. Identify panel alignment procedures
  12. Remove/replace assigned hinged panels
  13. Remove/replace assigned bolt on panels
  14. Identify upper body dimensions sources
  15. Identify upper body measuring tools and procedures
  16. Perform upper body measuring assignments
  17. Identify resistance spot weld removal procedures
  18. Identify weld on panel sectioning procedures
  19. Identify weld on panel temporary fastening methods
  20. Remove/replace assigned weld on panels
  21. Identify corrosion protection procedures
  22. Identify corrosion protection materials and equipment
  23. Apply corrosion protection materials
  24. Cleanup corrosion protection application equipment
  25. Identify panel adhesives and application equipment
  26. Identify adhesive mounted panel removal procedures
  27. Identify adhesive mounted panel replacement procedures
  28. Identify adhesive mounted panel sectioning procedures
  29. Remove/replace assigned adhesive mounted panel
  30. Identify glass types and options
  31. Identify non-structural stationary glass attachment methods
  32. Identify stationary glass removal and replacement tools
  33. Identify non-structural glass removal/replacement procedures
  34. Remove and replace assigned non-structural stationary glass
  35. Identify water/wind/dust leak diagnostic procedures
  36. Diagnose and repair water/wind/dust leaks
  37. Perform shop/equipment maintenance and clean-up duties
  38. Exhibit professionalism

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies
   None
F. LEARNER OUTCOMES ASSESSMENT
   As noted on course syllabus

G. SPECIAL INFORMATION
   None noted