

2012 MICHIGAN SKILLS USA CHAMPIONSHIPS
TASK & MATERIAL LIST

SKILL OR LEADERSHIP AREA: COLLISION REPAIR TECHNOLOGY

Tasks that may be performed:

- Use of safety practices
- Proper use of tools
- MIG welding – Vertical
- Use of filling materials
- Surface preparation
- Metal finishing
- Plastic finishing – Flexible or S.M.C
- Estimating
- Cross measuring hood and/or trunk opening along with other measurements using Chief Simulator (or on the vehicle)
- Written test (technical and SkillsUSA professional development)

Students Must Supply:

1 Page Resume
#2 pencil / Calculator
Safety glasses with side shields
All types of abrasives for task to be performed
Work uniforms and/or coveralls (**Long sleeve work shirt required**)
Leather or leather type work shoes (**NO ATHLETIC SHOES**)
Dolly blocks Spoons
Air hose w/various fittings (Milton #1809)
Welding Fume respirator Charcoal respirator (NIOSH Approved)
Body hammers
Body files
Rubber sanding block
3M Plastic Repair gun
Plastic sanding block
1 half round stanley blade (Cheese Grater)
OSHA approve Air blow gun
Putty knife
1 set plastic applicators/ spreaders
1 plastic mixing board
1 pistol grip grinder w/2 or 3 inch discs
1 metal grinder
D. A. Sander
Clamps are required to secure materials while working on them
Rubber gloves (latex), leather gloves (for welding)

Important Notes:

- All instructors will be responsible to bring a door prize for each student they have participating in the contest. These prizes will be randomly drawn at the end of the collision and refinishing contests.
- All consumables abrasives need to be supplied by the home school. Refinish coatings, masking materials, welding coupons, body and plastic filler products will be supplied for the contest.
- The plastic contest will be using 3M brand plastic repair material. This is to maintain alignment between the state and national event.
- Lansing Community College is using Lincoln Electric SP140 welders with .025” wire for the welding contest.
- I-CAR steel will be used for the welding contest.
- Lansing Community College uses high flow airflow fittings (H style) in the paint area DeVilbiss #240145 and Milton A style in the non-paint portion of the Lab.
- Tram gauge should be supplied by the school. There will be one for use if the school does not have one.
- Please look at proper work attire on the Skills site for all participants. No visible identifiers or labels are allowed on clothing.

Revised 1/4/12

SCORECARD Collision Repair Technology

Contestant Number

Items Evaluated	Possible Points								
Panel Repair	250								
Welding	250								
Plastic Repair	250								
Collision Estimating	250								
Résumé Penalty	0 or -50 only								
Total Possible Points	1000								

Date:

Judges' Signatures:
