

Collision Repair Scope

Skills USA 2011-12 District 10 Competition

Location:

Auto Body Lab

Erie County School

8500 Oliver Rd

Erie, Pa. 16509

Date:

January 16, 2012

Competition Title

Collision Repair Technology

Clothing / Safety Requirements

Blue work uniform pants and shirt or coveralls

No school names /insignias or logos

Leather work boots high or low cut. No shoes (no sneakers or sandals)

Eligibility

Registered Skills USA members enrolled in a corresponding program.

Tools / Materials Supplied by Contestant

Safety Glasses

Particle mask

Basic hand and power tools for listed performance tasks.

Welding Hood with an AWS grade 9 or 10 filter or Auto Darken Hood.

Body Hammers, Dolls, Filler board and applicator,

Welding Jacket

Contestants may bring any hand or power tools they are more comfortable or accustomed to.

Contestants are asked to remove air fittings from any power tools they bring. Erie County Tech School will loan the students matching fittings to our couplers.

Equipment

Welders: Millermatic DVI2 MIG Welders

Tram Gauge: Dent Fix Digitram DF3D operating instructions available online.
or Chief EZ Liner standard tram gauge.

Scope of the Contest

Written Test will be limited to: James E. Duffy

2004 Thompson Delmar Learning

“Auto Body Repair Technology”

Performance Test will be limited to: (Contestants should be prepared to perform any or all of the tasks listed below).

MIG Welding various joints in various positions

Panel/Dent Repair

Under hood cross measurements

Welding

Contestant will set up and adjust the welder to perform the required welds.

Practice and tune the welder, then execute the required weld joints in the required positions.

Contestant will then properly shut down the welding equipment.

Dent Repair

Contestant will unlock a small dent or crease in a sheet metal panel.

Contestant will perform surface prep procedures on panel, then apply and shape filler to desired contour.

Vehicle Measurement

Contestant will be provided a unibody vehicle and be required to perform an under hood cross measurement, document the results and submit to a judge.

Contact Information:

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Erie County Technical School

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