

Attention Competitors

**At the 2006 Provincial Skills Competition
Safety is # 1**

**Each Event Area Will Have Safety Equipment
and Requirements That Competitors Must
Adhere To**

Important Must Read!!!!

**Competitors Must Meet All Safety Requirements
To Compete At The Provincial Skills Competition**

**Please Consult The Scope Document To
Determine The Safety Requirements For Your
Area**

**It Is Recommended That Competitors Check The
Scope Document To Ensure You Meet All Safety
Requirements**

**Scope Documents May Be Updated Until January
13th**

2006 Provincial Skills Competition

Scope Document

EVENT: AUTO BODY REPAIR	LEVEL: POST SECONDARY
START TIME: 8:00 AM MARCH 17 TH , 2006	LOCATION: SIAST, KELSEY CAMPUS RM. 257 / Shop S108
INTERNATIONAL TRADE #: 13	DURATION: 7.5 HRS.

SAFETY REQUIREMENTS: Competitors are required to follow all industry safety standards during the competition.

PURPOSE OF THE CHALLENGE:

To test the competitors skill in sectioning a rocker panel mock up.
 To rough out a hinge buckle on a combination crowned panel and fill low spots with body filler.
 Apply basecoat/clear coat onto a prepared panel using an HVLP spray gun following paint manufactures recommendations.

PRE-REQUISITES: Section & Mig weld 20 guage mild steel
 Minor bodywork skills
 Basecoat/clearcoat painting skills

SKILLS AND KNOWLEDGE TO BE TESTED:

The contest is divided into three sections:

Rocker Panel Repair: To be able to measure, cut, drill out spot welds and weld.
 Using two sections of simulated rocker panels, the competitor must cut and section two pieces according to the instructions provided.

Metal Working: To be able to perform a rough out on hinge buckle using dollies and body hammers, grind area to be body filled; mix and apply body filler onto metal damaged area and sand the body filler using file and 40 grit up to 180 grit sand paper on the long board hand sander.

Painting: To be able to, reduce and apply basecoat/clearcoat onto a prepared panel using a high volume low pressure spray gun, following paint manufactures recommendations. Clean up spray gun equipment after each paint application.

THEORY EXAM: MULTIPLE CHOICE EXAM

DRESS CODE:

Competitors must supply all individual safety equipment required to perform work in industry conditions (welding gloves, welding helmets, coveralls, safety glasses, paint safe gloves when working with paint products, charcoal respirator for paint mixing and cleaning, filters/dust mask.

EQUIPMENT, TOOLS, SUPPLIES, CLOTHING:

Supplied by Committee:

110-volt power supply, compressed air, MIG welder unit, control equipment, random orbital sander, pistol grip grinder, die grinder, heat gun, spray guns, fresh-air mask, dust masks.

Competitor Must Provide

CLOTHING REQUIREMENTS:

Welding gloves, high top work boots, welding helmet, coveralls, safety glasses, charcoal respirator, paint safe gloves.

JUDGING CRITERIA:

Point Breakdown

**ADDITIONAL NOTES: * ORIENTATION WILL TAKE PLACE
MARCH 17TH, 2006 7:30AM AT SIAST KELSEY CAMPUS ROOM
257.**

COMMITTEE MEMBERS:

Doug Shewchuk, SIAST, Kelsey Campus, Saskatoon

SKILLS CANADA SASKATCHEWAN 2006

AUTO BODY REPAIR

Rocker Panel Sectioning Skills

The Competitor will have (120) minutes to complete the project.

- All welds must be done in a vertical position.
- Join the vehicle component and the replacement component using a straight cut butt joint with an insert on the outer panel and an offset lap joint on the inner panel.
- the overall length of the sectioned panel must be the same as the original vehicle component (405 mm).
- Lap joint to be offset from front panel cut by 102 mm on vehicle component.
- Overlap of recycled section to be offset by an additional 51mm.
- Weld-through primer must be used where necessary.
- Spot welds that have been removed must be replaced with plug welds.
- All lap and butt weld joints must be welded to achieve a continuous weld.

The competitor will be judged on:

- Safety
- overall length
- straightness
- length of offset
- length of overlap
- butt weld centered
- insert centered
- length of insert
- fit of insert
- application of weld thru primer
- plug weld size
- number of plug welds onto insert
- overall weld quality

The contestant will shut down equipment and clean up within the two hours.

SKILLS CANADA SASKATCHEWAN 2006

AUTO BODY REPAIR

Sheet Metal Repair

The Competitor will have (105) minutes to repair a damaged panel. This will include the roughing out of the hinge buckle and filling low areas with a body filler. The damaged panel will be roughed out and finished for priming.

The competitor will be judged on:

- * Safety
- * Metal preparation skills
- * Metal working skills
- * Body filler application and finishing skills
- * Final appearance
- * Clean up of all tools, equipment and area required for repair.

The contestant will clean up all tools, equipment and area within two hours.

SKILLS CANADA SASKATCHEWAN 2006

AUTO BODY REPAIR

Painting Skills

The competitor will have (105) minutes to apply basecoat and clearcoat onto a primed panel, using a high volume low pressure spray gun.

The competitor will be judged on:

- * Safety
- * Masking skills
- * Reduction of base coat and clear coat as per manufacturers recommendations
- * Preparation and cleaning of panel for refinish material application
- * Adjustment of spray gun
- * Application of refinished material as per manufacturers recommendations
- * Clean and lubricate spray gun
- * Appearance of panel after refinishing. (based on industry standards)

The contestant will clean up all tools, equipment and area within the 2.0 hours.