



SCNC SKILLS CANADA NATIONAL COMPETITION



OCMT OLYMPIADES CANADIENNES DES MÉTIERS ET DES TECHNOLOGIES



SkillsCompétences
Canada
Halifax2019

TEST PROJECT E / PROJET D'ÉPREUVE E

AUTOBODY REPAIR CARROSSERIE

SECONDARY AND POST-SECONDARY /
NIVEAU SECONDAIRE ET POSTSECONDAIRE



ALUMINUM AND SILICONE BRONZE WELDING PROJECTS TASK SHEET

Duration of project: 60 minutes

YOU WILL BE GIVEN 14 COUPONS OF ALUMINUM AND THE SAME OF MILD STEEL. YOU MUST HAND IN TWO OF EACH TYPES OF WELDS

**Aluminum welds must be done in the horizontal position.
Silicone Bronze welds must be done in the vertical position.**

- 1) Prepare coupon surfaces for welding. Plug/slot welds must be 8mm (8mm x 12 mm) **STOP**
- 2) **Using the tools provided install 3 blind rivets to hold the coupons together.**
STOP
- 3) Clamp the two coupons together and perform a lap weld. **STOP**
- 4) Perform 4 MIGplug/slot welds. **STOP**

