



MIG BRAZING HANDS-ON SKILLS DEVELOPMENT (ST035L01)

FACILITY PREPARATION CHECKLIST

Thank you for your interest in participating in the I-CAR® Composite Repair Hands-On Skills Development course. Taking this action is a meaningful step for your student's professional growth.

Please *provide* the following PERSONAL items for *each student*:

- Government issued photo ID
- Hearing protection (1 pair per student)
- Welding respirator (1 per student)
- Protective Clothing - Leather jacket, leather boots, etc. (1 per student)
- Welding gloves (1 pairs per student)
- Safety goggles or glasses (1 pair per student)
- Welding helmet with a filter lens (at least 9 filter plate) (1 pair per student)

Please *provide* the following SHOP EQUIPMENT:

- Rotary tool with carbide bit capable of cutting 8 x 20 mm slot (1 per student)
- Right angle die grinder (1 per student)
- 3" (7 cm) grinding disc backer / adapter (1 per student)
- Welder with the following features (1 per 2 students):
 - Pulse synergic MIG braze setting for .030" – .040" (0.8 mm – 1 mm) CuSiA or CuSi3 electrode
 - Synergic non-pulse setting
 - 200 Amp output
- Drive rolls matched to the type and size of the electrode used (As needed)
- Replacement contact tips (As needed)
- Replacement nozzle (As needed)
- Gun liner (As needed)
- Sturdy mounted vise for destructive weld testing (1 per classroom)
- Drill (1 per 2 students)
- Fire extinguisher with current inspection tag (1 per facility)
- Welding screens or blankets to protect items near welding area (Variable)

Please *provide* the following CONSUMABLES:

- 100% argon shielding gas plus extra bottle for back-up use (1 per welder)
- CuSiA or CuSi3 silicon bronze electrode wire .030" – 0.40" (0.8 mm – 1 mm) (1 spool per welder)

Please *provide* the following SMALL SHOP TOOLS:

- Duckbill and locking pliers (2 pairs per student)
- C-clamp locking pliers (6") (1 pair per student)
- Welding pliers (1 per student)
- Side-cutting pliers (1 per student)
- 5/16" (8 mm) deep-reach hole punch or 5/16" (8 mm) drill bit (1 per 2 students)