



WELDING TRAINING & CERTIFICATION™: STEEL GMA WELDING

FACILITY PREPARATION CHECKLIST

Thank you for your interest in participating in the I-CAR® Welding Training & Certification: Steel GMA Welding course. Taking this action is a meaningful step in your professional growth in the collision industry.

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

- Government-issued photo ID
- Welding magnifying lens per individual need for improved vision (If needed)
- Welding respirator (NIOSH approved)
- Ear protection
- Leather boots or shoes (No tennis shoes)
- Leather welding cape or welding shirt
- Safety glasses (Must be worn at all times)
- Welding gloves
- Welding helmet shade of 10 or higher (Auto-darkening lens preferred)

Please **provide** the following **SHOP EQUIPMENT**:

- GMA welder 140 amps or greater (1 machine for every 3 participants)
- ER70S-6 welding wire size .023" to .030" (0.6 mm to 0.8 mm)
- Heavy-duty vise or equivalent
- Extra bottle of 75% argon /25% CO₂ shielding gas, for use as backup
- Extra roll of ER70S-6 welding wire size .023" to .030" (0.6 mm to 0.8 mm) for use as backup
- Fire extinguisher with current inspection tag
- Extra consumable supplies: Contact tips, replacement nozzle. Gun liner must match size of wire used.
- Drive rolls matched to the type and size of the wire used (V-shaped for steel)
- Welding screens or welding blankets to protect items near welding area
- Recommended: Auxiliary lighting

**SMALL SHOP/STUDENT TOOLS
per student:**

- 5/16" (8 mm) drill bits or punch
- 1/4" (6 mm) drill bits or punch
- 2 pair duckbill locking pliers
- 2 pair locking pliers
- 1 pair 6" C-clamp locking pliers
- Side-cutting pliers or welding multi-tool
- Nonflammable cleaning supplies
- Shop towels
- Plastic abrasive pads (Panel prep pads typically used for refinishing)