



SQUEEZE-TYPE RESISTANCE SPOT WELDING HANDS-ON SKILLS DEVELOPMENT (ST015L01)

FACILITY PREPARATION CHECKLIST

Thank you for your interest in participating in the I-CAR® Squeeze-Type Resistance Spot Welding 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
- Ear plugs protection
- Leather boots or shoes (no tennis shoes)
- Leather welding cape or long sleeve welding shirt
- Safety glasses (must be worn at all times)
- Welding gloves
- Full face shield
- Vapor respirator (NIOSH approved)

Please provide the following SHOP EQUIPMENT:

- NRTL Listed Squeeze-Type Resistance Spot Welder (STRSW)
 - Capable of a minimum of 10,000 amps at the tips
 - Capable of a minimum of 790 lbs (351 daN) of clamping force at the electrode tips
- Shunt clamp
- Sturdy mounted vise mounted in the welding area for destructive testing welds
- Welding screens or welding blankets to protect items near welding area
- Extra consumable supplies:
 - Replacement tips for spot welder
 - 200 ml adhesive cartridge (2 per class)
 - Extra mixing tips (recommend minimum of 6)
 - Electrical tape roll
 - 3" 80 grit bristle disc (1 per student)
 - 3" 50 grit grinding disc (1 per student)
 - Acid brush (1 per student)
 - Weld-through primer
 - Shop rags / disposable towels
 - Nitrile gloves
 - Compliant solvent for adhesive clean up

Please provide the following SMALL SHOP TOOLS per student:

- Adhesive dispenser (compatible with product line being used – only 1 needed for the event)
- Angle die grinders and/or belt sanders
- 3/8" metal chisel
- Ball peen hammer
- Tape measure (with metric readings)
- 2 pair duckbill locking pliers
- 2 pair locking pliers
- 2 pair 6" C-clamp locking pliers