

MIG BRAZING HANDS-ON SKILLS DEVELOPMENT

BRZ02

As MIG brazing grows in popularity with OEMs, collision repair technicians and shops need to be ready to handle an increase in HSS/UHSS on vehicles that require this process. To best prepare collision repair shops and technicians in proper MIG brazing techniques, MIG Brazing Hands-On Skills Development (BRZ02) strongly emphasizes hands-on learning. Featuring an In-Shop Capability & Readiness Assessment along with hands-on practice, coaching and interaction with the instructor, participants can expect personal engagement with readily applicable knowledge and skill development to produce quality, repeatable MIG brazing repairs.

Course Content

Pre-Course Capability & Readiness Assessment

Before instruction starts, the instructor will conduct an in-shop Pre-Course Capability & Readiness Assessment to confirm that the facility's infrastructure and equipment are prepared for the In-Shop Hands-On Skills Development course. The recommended time frame for the assessment is one to two weeks prior to training day to avoid any delays.

Instruction

Students will be provided with information on:

- MIG brazing theory
- MIG brazing applications
- MIG brazing equipment requirements
- MIG brazing joint setups

Hands-On Practice and Coaching

Following the instructor-led training, students will apply their knowledge through hands-on practice, with one-on-one coaching with a trained instructor. Through the progression of this portion of training, students will become proficient in making four MIG brazed joints: slot on lap, plug on lap, double plug on lap, and the open butt joint. All of these will be made in both the vertical and overhead positions on 16-gauge and 22-gauge automotive-grade, zinc-coated steel.

Evaluation

The final phase of the training will be a short, written posttest. The questions will be based on the skills learned during the hands-on practice.

Recommendations

Students are strongly encouraged to complete the online course MIG Brazing Theory (BRZ01e) prior to taking this course. Additionally, although MIG brazing is not welding, there are similarities to GMA (MIG) welding. It is recommended that students have a basic understanding of the GMA (MIG) welding process, including the equipment used and the safety precautions required.

Registration

To register for MIG Brazing Hands-On Skills Development (BRZ02), visit the I-CAR website at www.I-CAR.com or contact I-CAR at 888-589-3148, Monday-Friday 7am-6pm CST.

Course Benefits

Reduced Liability

- Trained for quality, safe MIG brazing contributing to reduced risk
- Ensure proper equipment setup, tuning and techniques

Improved Productivity & Increased Quality

- Ability to repair faster, resulting in improved touch time
- Improved technician skill for better quality

Marketability

- Demonstrates commitment to safety – a high value to consumers
- Ability to handle the latest vehicle trends and materials

Improve Skill




- Emphasis on technique and procedures
- One-on-one coaching based on technician skill level
- Meet visual and destructive testing criteria
- Understand the differences between MIG welding and MIG brazing
- Understand the applicability of MIG brazing in repairs

Credit Hours: 6

Estimated Duration: 4 Hours

Format: Hands-On Skills Development

Meets new technology and annual training requirements for the following roles:

-  ESTIMATOR
-  STEEL STRUCTURAL TECHNICIAN
-  NON-STRUCTURAL TECHNICIAN

I-CAR[®]

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