

Brazing in Tight Spaces

Phase 5

BLOCK 8

Phase 5 — Block 8 Overview

Block 8 reinforces brazing and soldering fundamentals by applying them in confined and restricted work areas commonly encountered during refrigeration service. Technicians will strengthen safe work

practices, improve tool proficiency, and develop confidence performing component replacement procedures using proper refrigerant recovery, nitrogen purging, and brazing techniques.

Block Completion Requirements

Access Absorb resources through the DRW platform and continue practicing brazing and soldering techniques in tight spaces. This Mastery is instructor-led and must be completed with a Senior or Master Technician experienced in refrigeration systems.



1. Review all *Absorb* resources



2. Complete all *Articulate* questions



3. Complete the Instructor-led Mastery

Absorb Resources

Refer to the DRW Learning Block online for the complete list of assigned resources for this block. Topics to review include:

ASSIGNED VIDEOS

- Brazing & Soldering Review
- Refrigeration Practice Review

HANDS-ON PRACTICE

- Brazing and soldering in tight spaces

SAFETY DISCUSSION

- Safe brazing practices in confined or restricted work areas

Resources

Key Competencies

By completion of this Learning Block, technicians should demonstrate competency in:

- | | | |
|--|--|--|
| ☐ Refrigerant Recovery Procedures | ☐ Vacuum Pump & Refr. Scale Setup | ☐ Brazing in Tight Spaces |
| ☐ Safe Use of Refrigeration Service Tools | ☐ Nitrogen Purging Techniques | ☐ Safe Work Practices in Confined Areas |
| ☐ Manifold Gauge Operation | ☐ Component Removal & Replacement | ☐ Refr. System Repair Confidence |

Competencies

Mastery

Instructor-Led Skills Session
Brazing in Tight Spaces

Complete **Assessment Tasks** with an instructor, then return to DRW platform to document:

- **Recovery** — Demonstrate proper refrigerant recovery procedures and safe refrigerant handling practices.
- **Service Equipment** — Demonstrate proper setup and operation of manifold gauges, vacuum pumps, refrigeration scales, recovery equipment, and related service tools.
- **Nitrogen Purging** — Demonstrate proper nitrogen purging techniques during component replacement.
- **Component Replacement** — Recover refrigerant, remove a component (such as a filter drier), and braze a replacement component into the system.
- **Brazing** — Demonstrate proper brazing and soldering techniques in tight or restricted work areas.
- **Practice** — Complete the component replacement exercise at least two times using real-world or training equipment.

Name:

Phase Start Date:

DRW