

EB05: Basic Stepper Motor Drive

Catalogue Number	EB05-0000
Category	JobMaster
Duration	15 Hours

How You Will Be Evaluated

Introduction to Basic Stepper Motor Drive

Skill 1: Identifying Detent Torque

- 1.1: Stepper Motor Principles
- 1.2: Basic Stepper Motor Operation
- 1.3: Skill Overview
- 1.4: Skill Drill
- 1.5: Concept Review

Skill 2: Confirming Stepper Motor Step Angle

- 2.1: Skill Overview
- 2.2: Skill Drill
- 2.3: Concept Review

Skill 3: Demonstrating Stepper Motor Principles

- 3.1: Stepper Motor with Additional Steps
- 3.2: Stepper Motor with Power On Simultaneous Stator Poles
- 3.3: Stepper Motor Operating in Half-Step Mode
- 3.4: Step Angle and Stepper Resolution
- 3.5: Standard 200-Step Hybrid Motor
- 3.7: Skill Overview
- 3.8: Skill Drill
- 3.9: Concept Review

Skill 4: Confirming Stator Winding Connections

- 4.1: Stepper Motor Stator Connections
- 4.2: Skill Overview
- 4.3: Skill Drill
- 4.4: Concept Review

Skill 5: Demonstrating Unipolar Stepper Motor Drive

- 5.1: Stepper Motor Drives
- 5.2: Skill Overview
- 5.3: Skill Drill
- 5.4: Concept Review

Skill 6: Installing, Connecting and Monitoring a Basic Stepper Motor Drive

- 6.1: Skill Overview
- Safety
- 6.2: Skill Drill
- 6.3: Concept Review

Skill 7: Testing and Troubleshooting a Basic Stepper Motor and Drive

- 7.1: Stepper Motor and Drive Problems, Errors, and Faults
- 7.2: Skill Overview
- 7.3: Skill Drill
- 7.4: Concept Review

Comprehensive Post-Test