

EA04: Electric Motors

Catalogue Number	EA04-0000
Category	JobMaster
Duration	15 Hours

Introduction to Electric Motors

Safety

Skill 1: Connecting and Operating a Split-Phase Motor

1.1: Split-Phase Motors

1.2: Skill Overview

1.3: Skill Drill

1.4: Concept Review

Skill 2: Connecting and Operating a Capacitor-Start Motor

2.1: Capacitor-Start Motors

2.2: Skill Overview

2.3: Skill Drill

2.4: Concept Review

Skill 3: Connecting and Operating a Shaded-Pole Motor

3.1: Shaded-Pole Motors

3.2: Skill Overview

3.3: Skill Drill

3.4: Concept Review

Skill 4: Connecting and Operating a DC Motor

4.1: DC Motors

4.2: Skill Overview

4.3: Skill Drill

4.4: Concept Review

Skill 5: Connecting and Operating a Three-Phase Motor

- 5.1: Three-Phase Motor Components
- 5.2: Skill Overview
- 5.3: Skill Drill
- 5.4: Concept Review

Skill 6: Performing Visual Inspections

- 6.1: Preventive Maintenance
- 6.2: Skill Overview
- 6.3: Skill Drill
- 6.4: Concept Review

Skill 7: Lubricating a Motor

- 7.1: Lubrication
- 7.2: Skill Overview
- 7.3: Skill Drill
- 7.4: Concept Review

Skill 8: Performing DMM and Motor Megger Tests

- 8.1: Insulation Testing
- 8.2: Skill Overview
- 8.3: Skill Drill
- 8.4: Concept Review

Skill 9: Troubleshooting a Split-Phase Motor

- 9.1: Troubleshooting Electric Motors
- 9.2: Skill Overview
- 9.3: Skill Drill
- 9.3: Concept Review

Skill 10: Troubleshooting a Capacitor-Start Motor

- 10.1: Skill Overview
- 10.2: Skill Drill
- 10.3: Concept Review

Skill 11: Troubleshooting a Shaded-Pole Motor

- 11.1: Skill Overview
- 11.2: Skill Drill
- 11.3: Concept Review

Skill 12: Troubleshooting a DC Motor

- 12.1: Skill Overview
- 12.2: Skill Drill
- 12.3: Concept Review

Skill 13: Troubleshooting a Three-Phase Motor

- 13.1: Skill Overview
- 13.2: Skill Drill
- 13.3: Concept Review

Skill 14: Testing Motors with Adjustable Loads

- 14.1: Performance Under Load
- 14.2: Skill Overview
- 14.3: Skill Drill
- 14.4: Concept Review

Comprehensive Post-Test