

EF-01

MAINTENANCE MECHANIC TRAINING

TRAINER'S GUIDE

Duty EF: Doors

EF-01: Troubleshoot Doors (Fast Track)

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Instructions To The Trainer

1. The Learner will contact you when ready to practice troubleshooting a fast track door.
2. Be prepared to demonstrate the steps for this task.
3. Ask the Learner to contact the Evaluator when ready for the Skill Check.



Skill Objective

Upon notification of a problem with a fast track door, troubleshoot the door.

Task Standards

1. The Trainer must agree that you have diagnosed the problem.
2. The Trainer must agree that your suggested corrective action will correct the problem with the door.
3. All safety practices must be demonstrated.

What The Learner Will Need

This section contains the safety information, tools, and resources you will need before troubleshooting a fast track door.



- Follow all Caterpillar facility safety standards.
- A safety harness is required when a man lift is used to reach the power drive system or any high locations on a door.
- A lock and tag may be required to shut off power to the door if an Electrician is not immediately available to control the power to the door.



- Maintenance Mechanic hand tools
 - prybar
 - manlift
 - red emergency cones



- manufacturer's manuals



Practice Set-Up

The Learner may perform the following practice to help prepare for the Skill Check. Set up the practice for the Learner. Assist the Learner during the practice, if necessary; answer any questions concerning the task; and be prepared to demonstrate the task to the Learner. Make sure the Learner follows safe work practices while practicing the task.

Practice

Insert a fault in the door for the Learner to troubleshoot.

Ask the Electrician to help, if necessary, by setting up a fault with the control panel, to simulate a fault, or mechanically disengage the door:

- Disengage the break away.
- Safely disconnect a component in the counter balance system.
- Safely disconnect a component in the power drive system.
- Disengage the wind bar or wind bar belt to simulate a problem..

Practice Objective

The Learner must diagnose the symptoms and suggest a corrective action that will eliminate the problem and results in the door operating normally. Continue to allow the Learner to practice until you feel they understand the basic components of the door and can identify potential problems. The Learner must follow and demonstrate all safety practices while performing this practice.

Next Step

Allow the Learner to continue practicing and developing skills needed to demonstrate the task. The Learner should ask the Evaluator to schedule a Skill Check whenever he or she is ready to demonstrate the task unaided and meet all the task standards and safe work practices.

