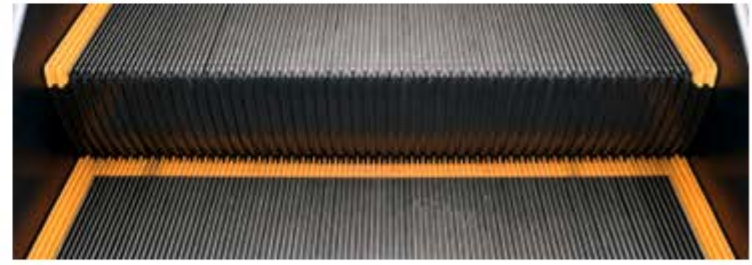


# Instructor Guide



200: Escalator Specific - Principles of Operation

*Module 5: Safety Devices*

 **Transit Elevator/Escalator Consortium**



## Table of Contents:

Escalator Safety Devices .....	1
Step Chain Device .....	2
Broken Step Chain Device .....	3
Skirt Obstruction Device.....	4
Comb Step Impact Device .....	5
Out of Level Step Device .....	6
Missing Step Device .....	7
Broken Step Device .....	8
Step Upthrust Device .....	9
Handrail Entry Device .....	10
Broken Handrail Device .....	11
Handrail Speed Device .....	12
Reversal Stop Device .....	13
Emergency Stop Button .....	14
Step Chain Device .....	15
Summary .....	16
Review Exercises .....	17



## Icons Used in This Guide

Throughout the Learner’s Guide, the following icons indicate the type of content being presented.



Refer To



PowerPoint



Multimedia



Web based Training



Write



Ask



Individual Activity



Small Group Activity



Classroom Activity



Duration

## Agenda

Topic No.	Topic Title	Duration
1	Introduction <ul style="list-style-type: none"> <li>Set expectations</li> </ul>	5 minutes
2	Escalator Safety Devices	50 minutes
3	Summary	5 minutes
<b>Total Time:</b>		<b>1 hour</b>



## Overview

### Purpose

The purpose of this module is to:

- Introduce participants to an overview of Escalator Safety Devices.

### Objectives

At the end of this chapter, the learner will be able to:

- Identify safety devices and their use.

### Materials

Make sure you have the following:

- Laptop (one for leader)
- Participant Guides
- PowerPoint slide deck
- LCD projector
- A17.1 Safety Code for Elevators and Escalators
- A17.2 Guide for Inspection of Elevators, Escalators and Moving Sidewalks
- A17.3 Safety Code for Existing Elevators and Escalators
- Heavy Duty Transportation System Elevator Design Guidelines (APTA RT-RP-FS 008-03)
- Heavy Duty Transportation System Escalator Design Guidelines (APTA RT-RP-FS 007-02)
- Field Employees' Safety Handbook
- Transit Agency Handbook

### Preparation

**PREPARE** flip charts with the following titles:

- Class Expectations