Instructor/Participant Guide



210: Escalator-Specific: Step Installation and Maintenance

Module 5: Step Band Alignment and Adjustment

>>>>> Transit Elevator/Escalator Consortium



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Icons Used in This Guide

Throughout the Instructor'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	10 minutes	
2	Safety Specific Procedures Related to Step Band	10 minutes	
3	Convential Step Band	40 minutes	
	 Chain Tension 		
	Track Alignment		
4	Module Step Band	40 minutes	
	Chain Tension		
	Track Alignment		
5	Standard Hand Tools	10 minutes	
6	Summary	5 minutes	
	Total Time:	2 hours	



Overview

Purpose

The purpose of this module is to:

Prepare the participant to perform step band maintenance. The step band is defined as the term used to describe the steps, step chains, connected together by means of the step rollers (wheels) and axles.

Objectives

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

- Identify the step band alignment and adjustment maintenance procedures for step bands used in various transit escalators.
- Determine the types of tools required for step band alignment and adjustment.
- Demonstrate the ability to identify and perform the proper alignment and adjustment step band maintenance procedures on transit escalators.

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

Preparation

PREPARE flip charts with the following titles:

Class Expectations





Instructor's Notes



Slide 3



CLASS ACTIVITY – Choose a Case.



ASK for a volunteer to pick a case. Click on the case chosen and ask the participants if the item held within would be used during step band alignment and adjustment.



ANSWERS:

- 1. Yes
- 2. No
- 3. No
- 4. Yes
- 5. Yes
- 6. No
- 7. No
- 8. Yes

Choose a Case

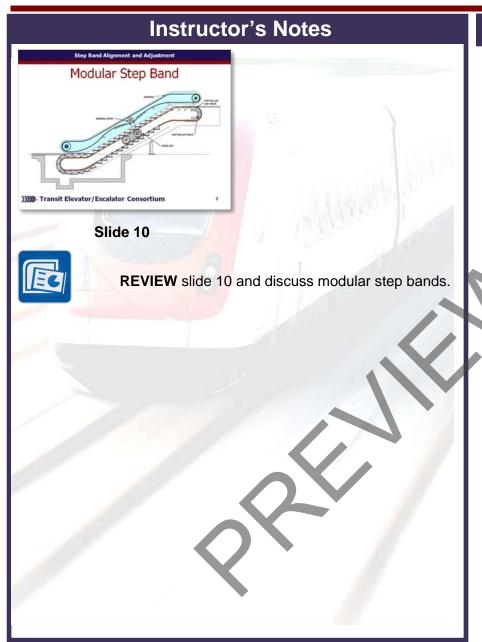
Which of these items would be used during step band alignment and adjustment?



Conventional – Chain Tension



Figure 1: Steps Bunching Up



Modular Step Band

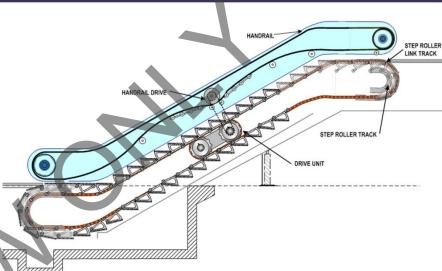


Figure 2: Modular Step Band



