

Learner's Guide



208: Escalator Specific - Principles of Operations

Module 3: Escalator Sub-Systems Overview

 **Transit Elevator/Escalator Consortium**

Escalator Sub-Systems Overview



Table of Contents:

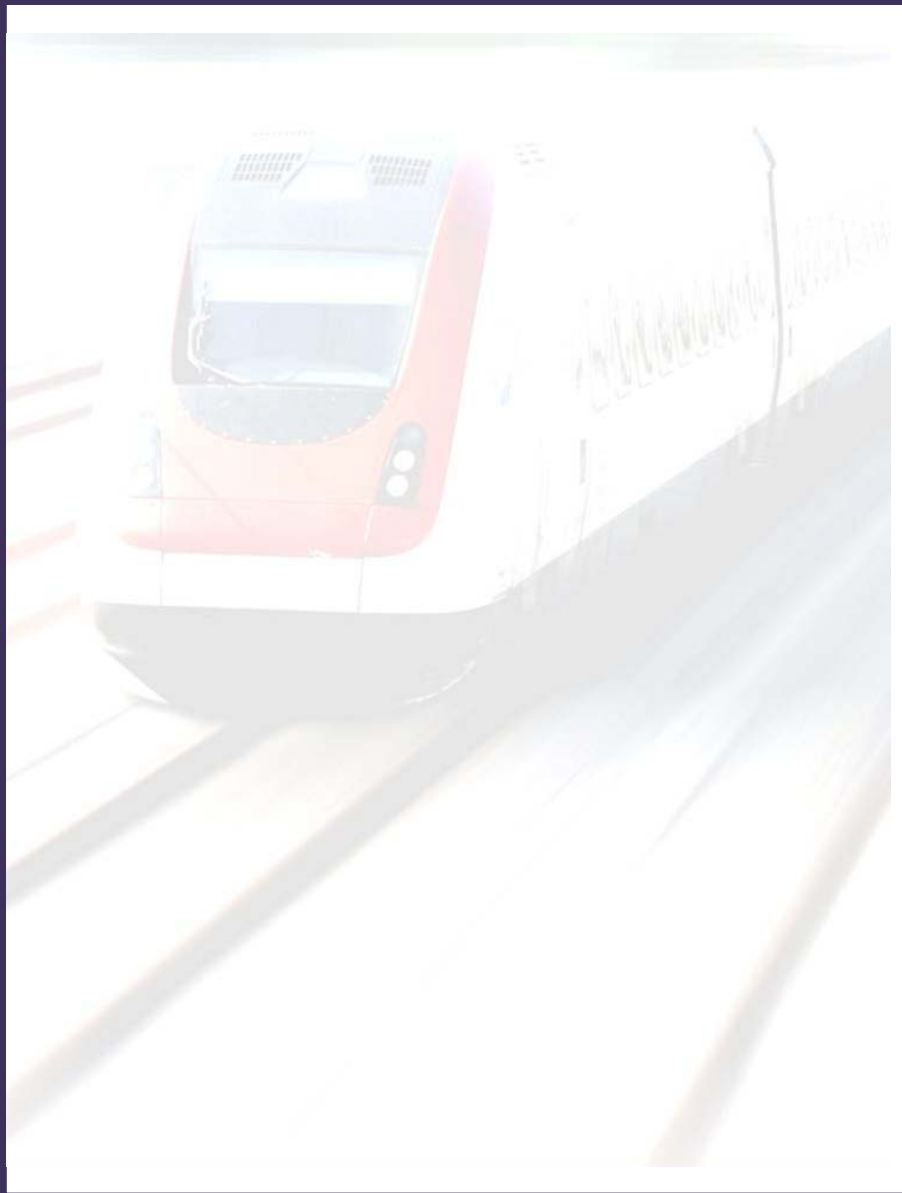
Introduction.....	1
Drive Systems	2
Drive Machine.....	3
Motor Control.....	4
Step Components.....	5
Step Chain Drive.....	6
Circle Tracks.....	7
Handrail System	8
Auto-Lubrication System.....	9
Braking System.....	10
Summary	11
Exercise 1: Escalator Drive System	13
Exercise 2: Gear Reducer.....	14
Exercise 3: Step Components.....	15

Table of Figures:

Figure 1 Escalator Drive System.....	2
Figure 2 Gear Reducer	4
Figure 3 Step Components	5
Figure 4 Circle Tracks.....	7



Learner's Notes:



Introduction

Welcome to the Escalator Sub-systems Overview module.

What are your expectations for this module?



Learner's Notes:



Drive Systems

Escalator

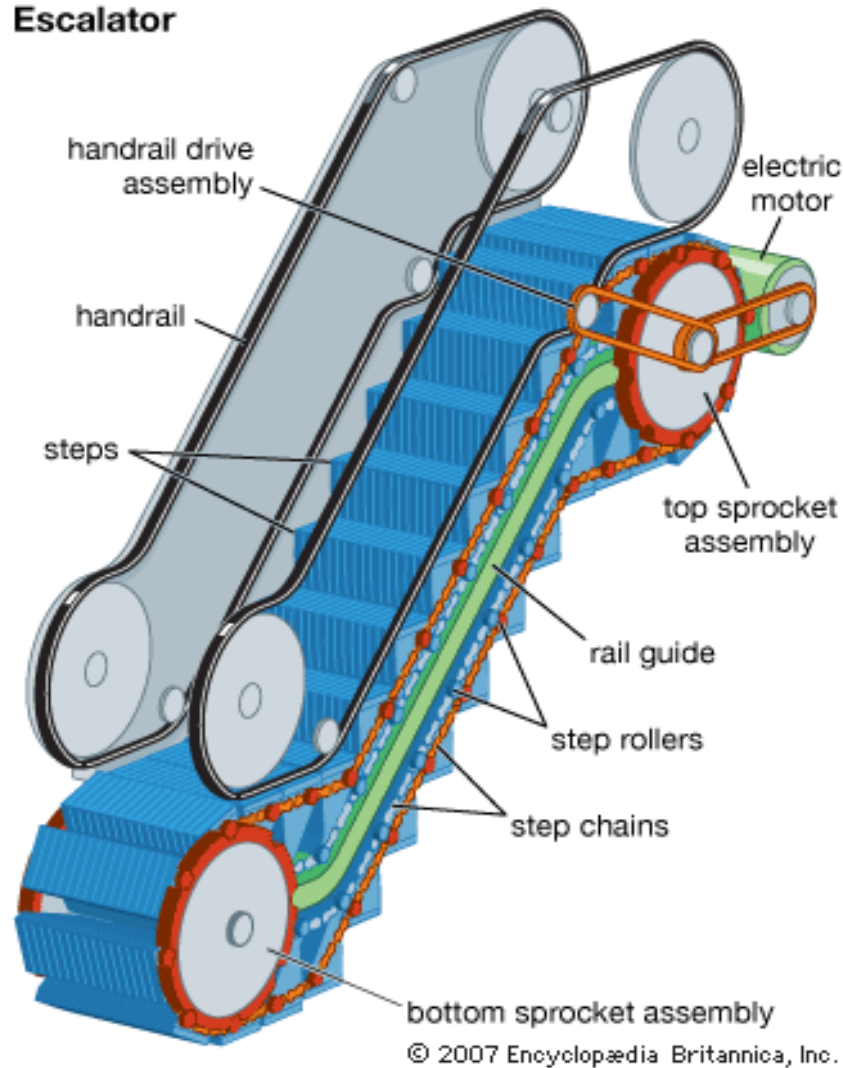
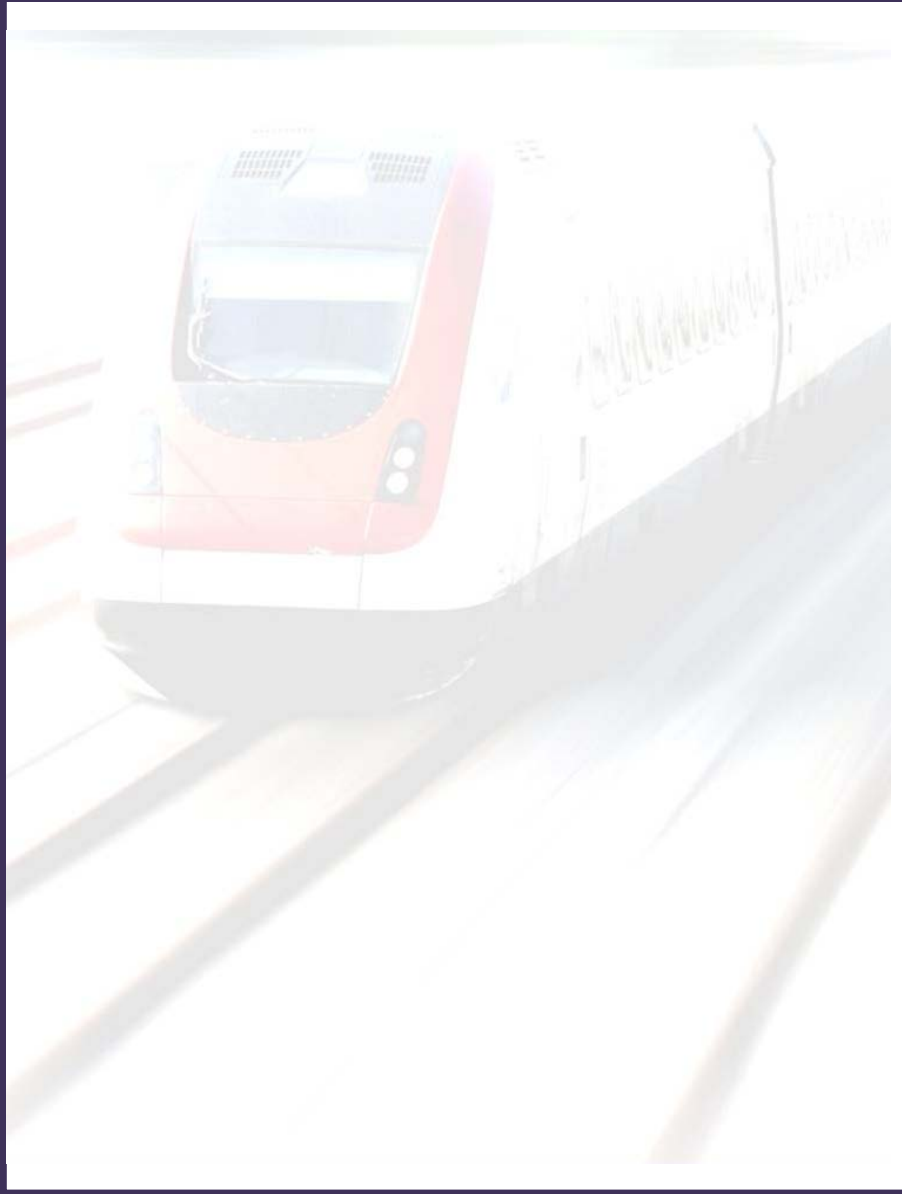


Figure 1 Escalator Drive System



Learner's Notes:



Drive Machine

What is the main function of the Drive Machine?
