Inspectinator

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Overview

- ☐ What is Mechatronics?
- ☐ Problem
- ☐ Solution
- ☐ New Rail Design
- ☐ IR Sensors
- ☐ Acknowledgments

What is Mechatronics?

- ☐ Mechatronics consists of the following:
  - Mechanical Control
  - Electrical Applications
  - Architectural Design
 - Drawing Schematics
  - Computer Science
  - Teamwork Skills

Problem

- ☐ No current mechanical application can ride tracks and scan for loosened nuts and bolts

- ☐ Workers must visually check each joint plate, which costs a lot of money, as compared to the new robot which will be inexpensive

Solution

- ☐ A robot will be planned, designed, and built to traverse tracks and scan for loosened bolts
- ☐ Safety wire will be added to each bolt on the joint plate
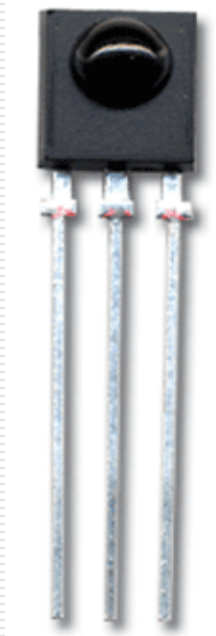
New Rail Design

http://www.whizwheels.com/Tips/Graphics/swpatterns1.gif
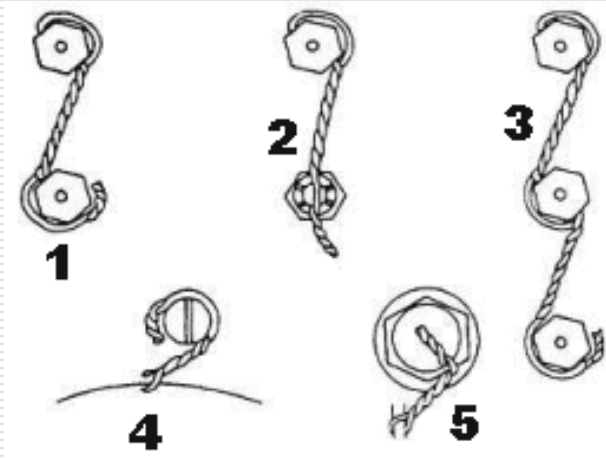
www.oldbritts.com/ image/52_130202b.jpg

IR Sensors

IR Receiver

IR Transistor

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