

## Shopping Cart with Baby Seat Enidine Shock Absorber Application

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### Application Overview

A customer had a need for a better solution for their four caster shopping carts with baby seats. The carts had been equipped with springs on the casters, which provided neither enough protection for the products nor a comfortable ride for the infants. Their goal was to have better shock absorption and superior performance over their competitor's carts, increase product protection and produce a more comfortable ride for the child.

### Product Solution

ITT Enidine Inc. recommended shock absorbers used in parallel with springs on the rear two casters. This would supply a comfortable ride and reduced impact to the products. We chose the TK21-3B as it met the dynamic and envelope requirements for the application at a competitive cost. The customer was very pleased with the test results and will incorporate the ITT Enidine Inc. product into their new designs, as well as retrofitting older carts.

### Application Opportunity

Although this is a patented application for this market (SIC 3496), there are similar customer problems that can be solved with this clever solution.



TK21-3B inside  
tubing of cart