

# NAFLIC

*National Association For Leisure Industry Certification*

## Standards & Related Documents Sub-Committee

### TECHNICAL BULLETIN - NOVEMBER 1992

#### 039. Bennett Trabant

Jeff Johnson, Safety & Inspection Consultant, has brought to our attention an accident in which the passenger restraint on a Bennett Trabant came open during service. Fortunately, though she was thrown from the ride, the passenger was not seriously injured.

The restraint on this device is a hinged gate with a spring-retained bolt. Jeff explains that inspection revealed a number of weak springs. No diagnosis of the cause of the "weakness" has, as yet, been provided. We are aware, however, that the restraint spring is often omitted from design calculations and design reviewers do not always pick this up.

The Committee are also aware that flexing of the side of the car on the Bennett Trabant causes problems of restraint security. Some other Trabant manufacturers incorporate a restraint design which restricts, and is not adversely affected by, flexing of the car side structure.