



U.S. Department  
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**National Highway  
Traffic Safety  
Administration**



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DOT HS 808 598

July 1997

Technical Report

# **Injuries Associated with Specific Motor Vehicle Hazards: Radiators, Batteries, Power Windows, and Power Roofs**

UUSI, LLC  
Exhibit 2015

WEBASTO ROOF SYSTEMS, INC.  
Petitioner

v.  
UUSI, LLC  
Patent Owner

Case:  
IPR2014-00648  
Patent: 8,217,612

1/52

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16. Abstract <p>This report provides estimates of the numbers of persons injured as a result of hazards involving four specific motor vehicle components: radiators, batteries, power windows, and power roofs. The injury estimates are based upon data from the Consumer Product Safety Commission's National Electronic Injury Surveillance System (NEISS). NEISS collects data on a nationally representative sample of consumer product-related injuries treated in hospital emergency rooms. NHTSA has used NEISS to obtain data on injuries associated with specific motor vehicle hazards that are non-crash related. During the period 10/1/93 through 9/30/94, data from 591 (409 involving radiators; 171 involving batteries; 10 involving power windows; and 1 involving a power roof) cases of persons injured and treated in hospital emergency rooms were collected in NEISS. Based upon these cases, it is estimated that in a twelve-month period: 19,638 persons are injured due to radiators; 8,134 are injured due to batteries (7,051 due to motor vehicle batteries); and 499 are injured due to power windows. The one case involving a power roof was a result of the injured person being ejected due to a traffic crash, and therefore, not related to a hazard associated with the power roof itself. The report provides breakdowns of the injury estimates for radiators, batteries, and power windows by activity producing the injury, injury diagnosis and severity, injured body region, and age/sex of the injured.</p>					
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## Table of Contents

	<u>Page</u>
<b>Introduction</b> .....	<b>1</b>
<b>Data Collection</b> .....	<b>2</b>
<b>Possible Limitations of NEISS Data</b> .....	<b>4</b>
<b>Findings</b> .....	<b>4</b>
<b><u>Injuries Associated with Motor Vehicle Radiators</u></b> .....	<b>5</b>
Body Type of Involved Motor Vehicle .....	8
Vehicle Model Year .....	9
Vehicle Manufacturer .....	10
Age .....	11
Gender .....	12
Injury Diagnosis .....	13
Most Injured Body Part .....	14
Injury Severity .....	16
Medical Disposition .....	17
Injury Severity and Medical Disposition .....	18
Season .....	19
<b><u>Injuries Associated with Motor Vehicle Battery Explosions</u></b> .....	<b>21</b>
Injury Producing Action .....	22
Injury Diagnosis .....	22
Most Injured Body Region .....	23
Injury Severity .....	24
<b><u>Injuries Associated with Motor Vehicle Power Windows</u></b> .....	<b>25</b>
Injury Producing Action .....	26
Injury Diagnosis .....	26
Most Injured Body Region .....	27
Injury Severity .....	27
Age .....	28
<b><u>Injuries Associated with Motor Vehicle Power Roofs</u></b> .....	<b>29</b>
<b>References</b> .....	<b>30</b>

**Appendices**

**A: The National Electronic Injury Surveillance System**

Overview ..... A-1  
The NEISS Hospital Sample ..... A-3  
Limitations of NEISS Data ..... A-4

**B: NHTSA Special Study Variables**

Descriptions of 7 Variables Collected for All Sample Cases ..... B-1

**C: Telephone Follow-Back Questionnaire**

General Questions ..... C-1  
Radiators ..... C-2  
Battery Explosions ..... C-4  
Power-Operated Windows ..... C-8  
Power-Operated Roofs ..... C-9

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