



\$1.25

Brake Failure Issues





Toyota: Accelerator Pedal Recall (B)

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MGX3100 Presentation

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Toyota Motor Corporation - Globalization

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- Japanese automotive manufacturer
- The crown model was first exported to the US (1957)
- 51 production bases in 26 different countries and regions
- Design and R&D bases
- Aim at global quality assurance
- Use "Toyota way" manufacturing Philosophy.



Brake Failure Issues

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Toyota has faced problems with

- Floor mats
- Gas pedals/ accelerator pedals
- Brakes

Toyota's Responses

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● production bases ● design and R&D bases

Toyota's Document

Brake Failure Issues

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Car Crash 911 Call

Toyota has faced problems with

- Floor mats
- Gas pedals/ accelerator pedals
- Brakes

since 2007 and all these problems have caused recalls of over 10 million vehicles.

Floor mats and sticking accelerator pedals

- caused unintended acceleration(speed out of control)→ **Brake failure**

Two faulty brake systems→ **Brake failure**

- one is caused by a software glitch (in 2010)
- The other is caused by faulty brake master cylinder system that could crack and result in fluid leaking and degraded performance. (in 2014)

29 SEP 2009

Floor mats

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**Recalled 3.8
million vehicles**

- **Affected models: Lexus, Avalon, Camry, Corolla, Highlander ,Tacoma etc**

21 JAN 2010

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Sticking accelerator pedals



**Recalled 2.3million
vehicles**

- **Affected models: RAV4,
Corolla, Camry and
Highlander**

27 JAN 2010

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Recall widens (Floor mats)



**Recalled 1.1 million
additional vehicles**

9 FEB 2010

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Anti-lock brake Software



**Recalled 437,000
Prius and other
hybrid vehicles**

15 OCT 2014

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Brake Master cylinder



**Recalled
802,000 vehicles**

- **Affected model: Crown, Crown Majesta, Noah, Voxy and Lexus.**