

# Brake Override System

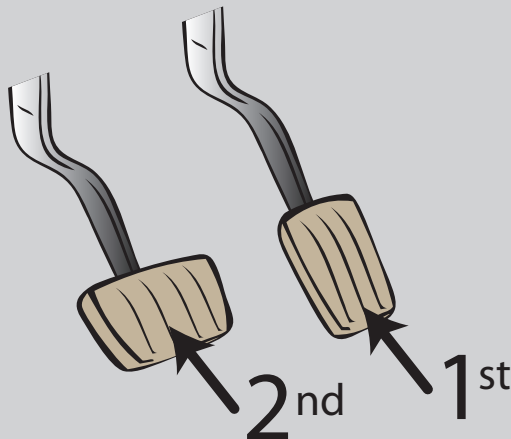
## Overview

Independent of the recall remedy, Toyota has developed a Brake Override System to provide an extra measure of owner confidence. Although an owner might never experience its operation, this braking system enhancement will automatically reduce engine power when the brake pedal and accelerator pedal are applied simultaneously under certain driving conditions.

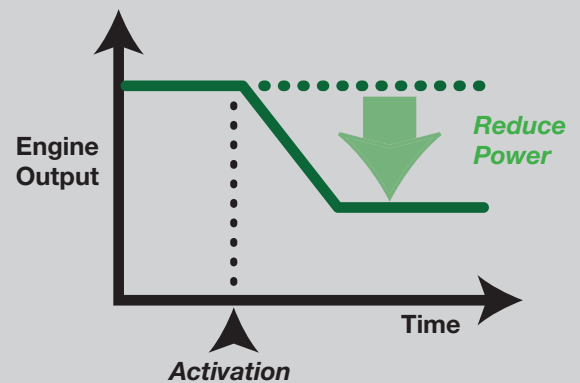
The Brake Override System operates when these conditions are met:

1. The throttle opening is greater than 1/3
2. Vehicle speed is above 5 mph
3. Brakes are applied firmly

**Please note:** In order to activate the Brake Override System, the accelerator pedal must be pressed before the brake pedal.



## Brake Override System



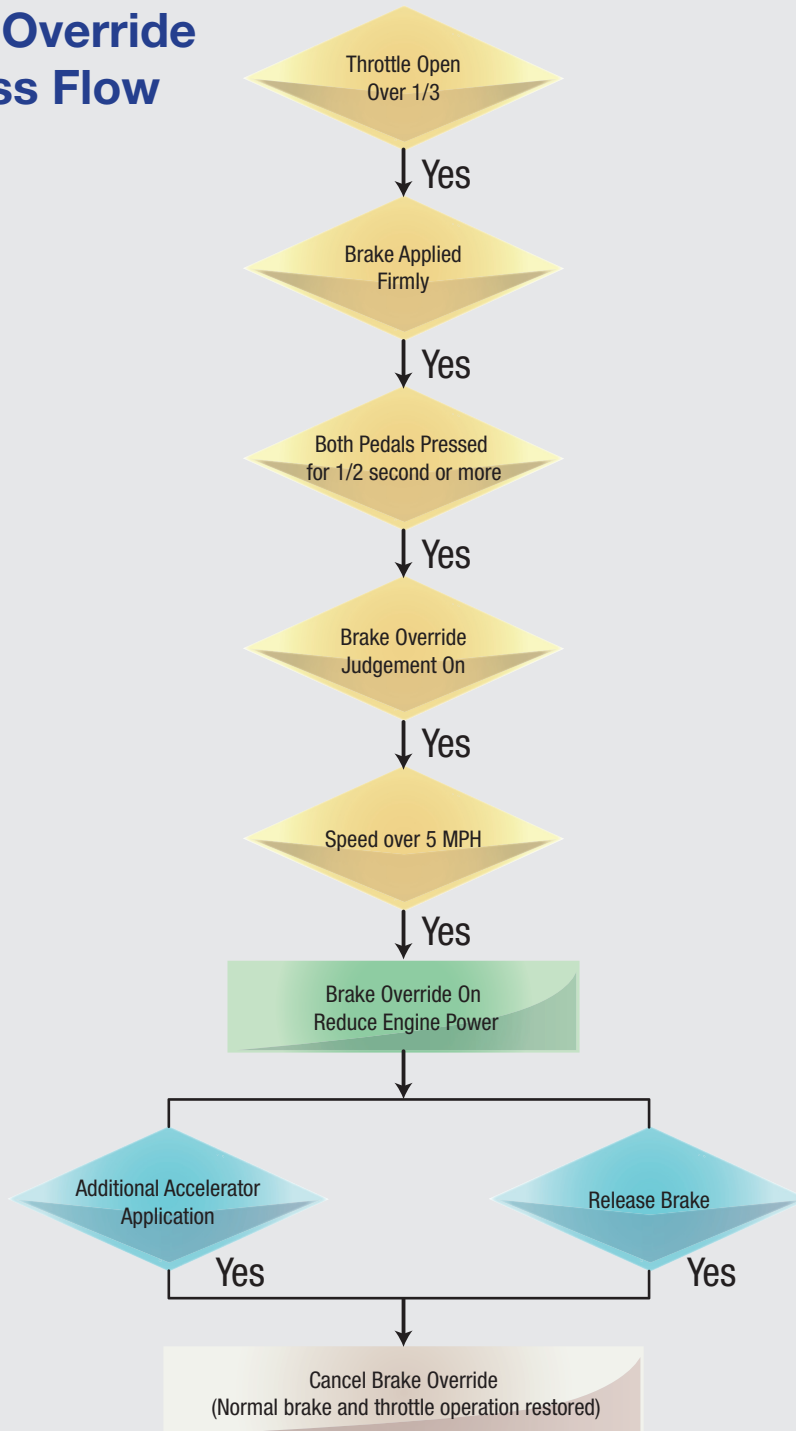
### Additional Details:

- During greater accelerator pedal application, the Brake Override System activates with any brake pedal pressure.
- Brake Override System activation is cancelled when the brake pedal is released.
- When the Brake Override System is active at part throttle, changes in the accelerator pedal position may cancel activation.
- To allow the vehicle to start on a hill without rolling backwards, the Brake Override System will not activate if the brake is applied prior to pressing the accelerator pedal.
- The Brake Override System is not active in 4WD vehicles while driving in low range.
- **Note to Hybrid owners:** The Toyota Hybrid System achieves a result similar to the Brake Override System by reducing power if the brakes are applied while the accelerator pedal is depressed.

# Brake Override System

This Brake Override System underscores Toyota's commitment to building safe and reliable vehicles, as we have for 50 years, and to ensure that our customers have complete confidence in the cars and trucks they drive.

## Brake Override Process Flow



## **Brake Override System (BOS)**

- Powerpoint presentation explaining how the BOS operates and improves safety
- BOS rollout explains in-service vehicle rollout to all vehicles subject to recent campaigns
- BOS will be on ALL 2011MY vehicles in production

# Brake Override System

Overview

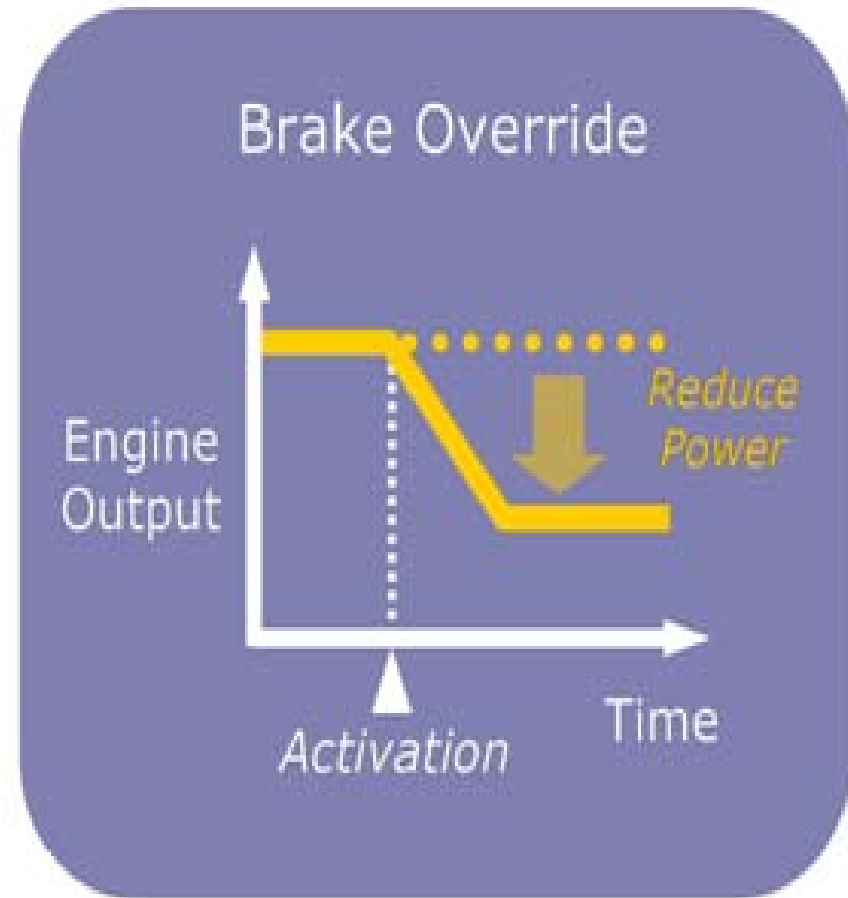
History

Rollout

# Brake Override System - Overview

- This system cuts engine power in case of simultaneous application of both the accelerator and brake pedals
- Once activated, the system reduces engine power – the engine does not stall or turn off.
- To regain normal acceleration, release the brake pedal and press down on the accelerator pedal.

# Brake Override System - Overview



# Brake Override System - History

- B.O.S. is already applied on:
  - All Hybrid vehicles, starting with 2000 Prius (to protect Hybrid system components)
  - 2011 Sienna
- B.O.S. will be applied on:
  - All of new North American vehicles before the end of 2010

# Brake Override System - Rollout

- B.O.S. will be rolled out to the following in-service vehicles:
  - 2007 - 2010 Camry
  - 2007 – 2010 ES350
  - 2005 – 2010 Avalon
  - 2006 – 2010 IS250/350
  - 2009 – 2010 Venza
  - 2005 – 2010 Tacoma
  - 2008 – 2010 Sequoia