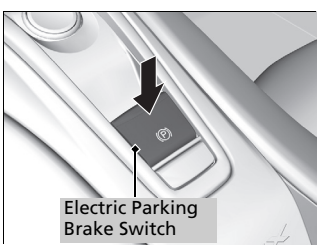
Brake System

■ Parking Brake

Use the parking brake to keep the vehicle stationary when parked. When the parking brake is applied, you can manually or automatically release it.



■ To apply

The electric parking brake can be applied any time the vehicle has battery, no matter which power mode the vehicle is in.

Pull the electric parking brake switch up gently and securely.

▶ The electric parking brake indicator comes on.

■ To release

The power mode must be in the ON position to release the electric parking brake.

1. Depress the brake pedal.

2. Press the electric parking brake switch.

▶ The electric parking brake indicator goes off.

Manually releasing the parking brake using the switch helps your vehicle start slowly and smoothly when facing downhill on steep hills.

Brake System

When you depress the brake pedal, you may hear a whirring sound from the engine compartment. This is because the brake system is in operation, and it is normal.

Parking Brake

You may hear the electric parking brake system motor operating from the rear wheel area when you apply or release the parking brake.

You cannot apply or release the parking brake if the 12-volt battery goes dead.

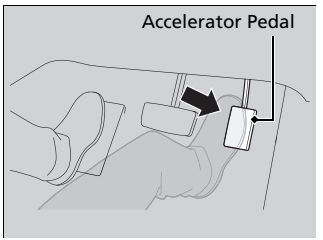
If the 12-Volt Battery Is Dead P. 452

If you pull up and hold the electric parking brake switch while driving, the brakes on all four wheels are applied by the electric servo brake system until the vehicle comes to a stop. The electric parking brake then applies, and the switch should be released.

Continued

■ To release automatically

Depressing the accelerator pedal releases the parking brake.
Use the accelerator pedal to release the brake when you are starting the vehicle facing uphill, or in a traffic jam.



Gently depress the accelerator pedal.
When on a hill, it may require more accelerator input to release.

▶ The electric parking brake indicator goes off.

You can release the parking brake automatically when:

- You are wearing the driver's seat belt.
- The power system is on.
- The transmission is not in P or N.

Parking Brake

In the following situations, the parking brake automatically operates.

- When the vehicle stops with the automatic brake hold system activated for more than 10 minutes.
- When the driver's seat belt is unfastened while your vehicle is stopped and brake hold is applied.
- When the power system is turned off while brake hold is applied.
- When there is a problem with the Brake Hold System.

If the parking brake cannot be released automatically, release it manually.

The parking brake cannot be released automatically while the following indicators are on:

- Malfunction indicator lamp
- Transmission system indicator

The parking brake may not be released automatically while the following indicators are on:

- Electric parking brake system indicator
- VSA® system indicator
- **ABS** indicator
- Supplemental restraint system indicator

■ Foot Brake

Your vehicle is equipped with disc brakes at all four wheels. The brake assist system increases the stopping force when you depress the brake pedal hard in an emergency situation. The anti-lock brake system (ABS) helps you retain steering control when braking very hard.

➲ **Brake Assist System** P. 367
➲ **Anti-lock Brake System (ABS)** P. 366

Models with iron brake discs

■ Brake squeal

To satisfy the performance under a wide range of driving conditions, a high-performance braking system is equipped on your vehicle. You may hear the brake squeal under certain conditions, such as vehicle speed, deceleration, humidity, and so on. This is not a malfunction.

Foot Brake

Check the brakes after driving through deep water, or if there is a buildup of road surface water. If necessary, dry the brakes by lightly depressing the pedal several times.

Models with iron brake discs

If you hear a continuous metallic friction sound when applying the brakes, this is caused by the brake wear indicator rubbing on the brake rotor and indicates that the brake pads need to replaced. Have your vehicle checked by an authorized Acura NSX dealer. If you hear only an occasional squeak or squeal when you initially apply the brake pedal, this may be normal and caused by high frequency vibration of the brake pads against the rotating brake disc.

Constantly using the brake pedal while going down a long hill builds up heat, which reduces the brake effectiveness. Apply regenerative braking by taking your foot off the accelerator pedal and downshifting to a lower gear.

Do not rest your foot on the brake pedal while driving, as it will lightly apply the brakes and cause them to lose effectiveness over time and reduce pad life. It will also confuse drivers behind you.

Continued

■ Automatic Brake Hold

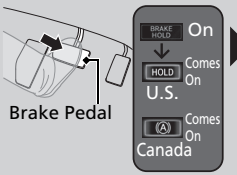
Keeps the brake applied after releasing the brake pedal until the accelerator pedal is pressed. Use this system only while the vehicle is temporarily stopped, like at traffic lights and in heavy traffic.

■ Turning on the system

Fasten your seat belt properly, then start the power system. Press the automatic brake hold button.

- The automatic brake hold system indicator comes on. The system is turned on.

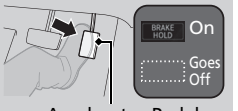
■ Activating the system



Depress the brake pedal to come to a complete stop. The transmission must be in D/M or N.

- The automatic brake hold indicator comes on. Braking is kept for up to 10 minutes.
- Release the brake pedal after the automatic brake hold indicator comes on.

■ Canceling the system



Depress the accelerator pedal while the transmission is in D/M or R. The system is canceled and the vehicle starts to move.

- The automatic brake hold indicator goes off. The system continues to be on.

Automatic Brake Hold

⚠WARNING

Activating the automatic brake hold system on steep hills or slippery roads may still allow the vehicle to move if you remove your foot from the brake pedal.

If a vehicle unexpectedly moves, it may cause a crash resulting in serious injury or death.

Never activate the automatic brake hold system or rely on it to keep a vehicle from moving when stopped on a steep hill or slippery roads.

⚠WARNING

Using the automatic brake hold system to park the vehicle may result in the vehicle unexpectedly moving.

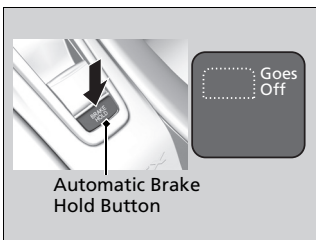
If a vehicle moves unexpectedly, it may cause a crash, resulting in serious injury or death.

Never leave the vehicle when braking is temporarily kept by automatic brake hold and always park the vehicle by putting the transmission in P and applying the parking brake.

■ **The system automatically cancels when:**
- You depress the brake pedal and change to P or R.
- You engage the parking brake.

Under the following conditions, the system automatically cancels, and the parking brake is applied:
- Braking is kept for more than 10 minutes.
- The driver's seat belt is unfastened.
- The power system is turned off.
- **Brake Hold System Problem** appears on the driver information interface.

■ **Turning off the automatic brake hold system**



While the system is on, press the automatic brake hold button again.
▶ The automatic brake hold system indicator goes off.

If you want to turn off automatic brake hold while the system is in operation, press the automatic brake hold button with the brake pedal depressed.

Automatic Brake Hold

While the system is activated, you can turn off the power system or park the vehicle through the same procedure as you normally do.
When Stopped P. 368

Whether the system is on, or the system is activated, the automatic brake hold turns off once the power system is off.

Make sure to turn off the automatic brake hold system before using an automated car wash.

You may hear an operating noise if the vehicle moves while the automatic brake hold system is in operation. The system generates sound while holding the vehicle and it moves.

Anti-lock Brake System (ABS)

■ ABS

Helps prevent the wheels from locking up, and helps you retain steering control by pumping the brakes rapidly, much faster than you can.

The electronic brake distribution (EBD) system, which is part of the ABS, also balances the front-to-rear braking distribution according to vehicle loading.

You should never pump the brake pedal. Let the ABS work for you by always keeping firm, steady pressure on the brake pedal. This is sometimes referred to as "stomp and steer."

■ ABS operation

You may hear an operating noise when the ABS is working. Depress the brake pedal and keep holding the pedal firmly down. On dry pavement, you will need to press on the brake pedal very hard before the ABS activates. However, you may feel the ABS activate immediately if you are trying to stop on snow or ice.

ABS may activate when you depress the brake pedal when driving on:
- Wet or snow covered roads.
- Roads paved with stone.
- Roads with uneven surfaces, such as potholes, cracks, manholes, etc.

When the vehicle speed goes under 6 mph (10 km/h), the ABS stops.

Anti-lock Brake System (ABS)

NOTICE

The ABS may not function correctly if you use an incorrect tire type and size.

When the **ABS** indicator comes on while driving, there may be a problem with the system.
While normal braking is not affected, there is a possibility of the ABS not operating. Have your vehicle checked by an authorized Acura NSX dealer immediately.

The ABS does not reduce the time or distance it takes to stop the vehicle. It only helps with steering control during hard braking.

In the following cases, your vehicle may need more stopping distance than a vehicle without the ABS:
- When driving on rough road surfaces, including when driving on uneven surfaces, such as gravel or snow.
- When tire chains are installed.

The following may be observed with the ABS system:
- Motor sounds coming from the engine compartment when the brakes are applied, or when system checks are being performed after the engine has been started and while vehicle is accelerates.

These sounds are normal to ABS systems and are no cause for concern.

Brake Assist System

■ Brake Assist System

Designed to assist the driver by generating greater braking force when you depress the brake pedal hard during emergency braking.

■ Brake assist system operation

Press the brake pedal firmly for more powerful braking.

When brake assist operates, an operating noise may be heard. This is normal. Keep holding the brake pedal firmly down.