

Collision Mitigation Brake System (CMBS)

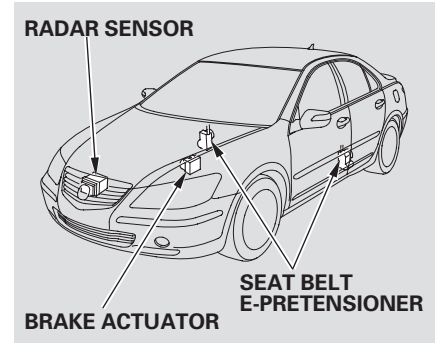
Overview

The collision mitigation brake system (CMBS) assists your braking operation by automatically applying an appropriate amount of braking force to help you avoid or minimize the chances of hitting a vehicle ahead of you in traffic. Here is a brief description of what the CMBS does:

- When your speed is above 10 mph (15 km/h), the CMBS radar sensor in the front grille can sense a vehicle ahead of you. When your vehicle gets too close to the vehicle ahead of you, the system activates a warning beep, causes automatic application of the brakes, and causes the e-pretensioners to tighten the front seat belts (see page 23).

- The CMBS does not activate if the speed difference between your vehicles is less than 10 mph (15 km/h). CMBS may also not activate if you turn the steering wheel to avoid the collision.

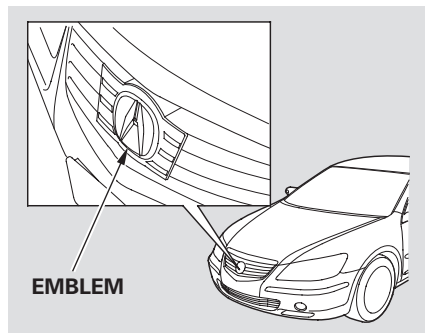
When CMBS activates its automatic brake, it also turns the brake lights on.



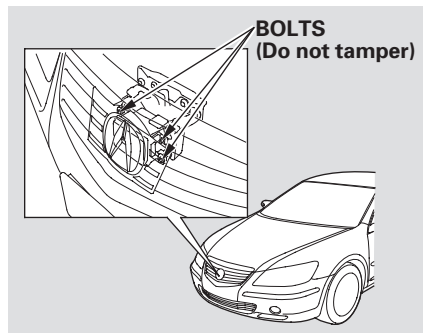
The CMBS consists of a radar sensor in the front grille, a brake actuator in the engine compartment, an indicator on the instrument panel, seat belt e-pretensioners on the front seats, and an on/off switch on the dashboard.

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Radar Sensor



The radar sensor is located behind the Acura emblem in the front grille. If the emblem is covered with mud, dirt, dead leaves, wet snow, etc., or if you put a sticker on it, the CMBS will automatically shut off, and the CMBS indicator on the instrument panel will come on. You will also see a CHECK CMBS RADAR SENSOR message on the multi-information display for about 5 seconds.



Always keep the emblem clean. If it gets dirty, clean it with water or a mild detergent. Never use chemical solvents or polishing powder.

There are three bolts on the sides of the radar sensor. Do not tamper with these bolts, or you may cause the system to malfunction.

Do not allow anything to impact the radar sensor or the emblem. If either of these parts receives a strong impact, turn off the system by pressing the CMBS Off switch, and have your vehicle checked by a dealer. If the front grille ever needs to be repaired, consult a dealer first.

If the front emblem or the radar sensor every needs to be removed, take your vehicle to a dealer.

NOTICE

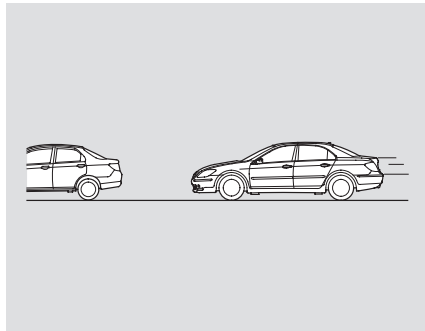
When the CMBS is on, the radar sensor constantly scans for vehicles ahead of you. This means that driving on a road with a few or no vehicles could cause a CHECK CMBS RADAR SENSOR message to appear on the multi-information display. This is normal and not a cause for concern.

The radar sensor may not scan as intended under these conditions;

- Your vehicle is tilted because of a heavy load in the rear or from modifications to the suspension. Do not overload your vehicle (see Carrying Cargo on page 305), and do not make any modifications to the suspension (see Accessories and Modifications on page 303).
- The tires are not correctly maintained. Always make sure the tire pressures are correct (see page 384), and that the tires are the correct size and in good condition (see Tires on page 384).

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Collision Alarm

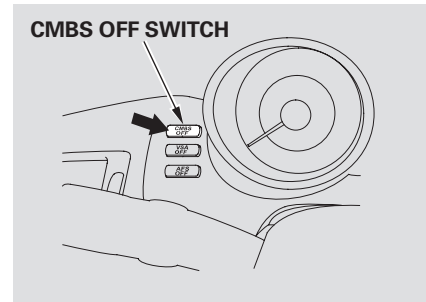


If the system senses a possible collision with the vehicle ahead of you, it responds with an audible and a visual alarm.



The audible alarm is a constant beeping sound; the visual alarm is an amber colored BRAKE message that flashes in the multi-information display. If these alarms come on, do whatever is necessary to avoid the collision (apply the brakes, change lanes, etc.).

CMBS OFF Switch



To turn the CMBS off, press the CMBS OFF switch on the dashboard for about 1 second. When you do this, a beeper sounds, a CMBS indicator on the instrument panel comes on, and a CMBS OFF message appears on the multi-information display. To turn the system back on, press the switch again for about 1 second.

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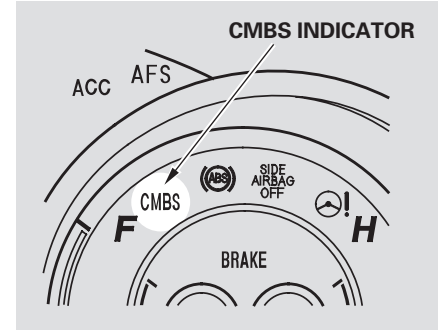
Automatic Shut Off

Any of the conditions below can cause the CMBS to shut off. When the system shuts off, the CMBS indicator in the instrument panel comes on, and a CHECK CMBS SYSTEM message appears on the multi-information display for about 5 seconds.

- An abnormal tire condition is detected.
- Extended off-road or mountainous driving.
- Driving your vehicle with the parking brake applied.
- Driving your vehicle in bad weather (rain, fog, snow, etc.)
- A dirty emblem on the front grille.

The CMBS will automatically recover when these conditions are improved.

CMBS Indicator



This indicator comes on for several seconds when you turn the ignition switch to the ON (II) position. It also comes on and stays on when you turn the CMBS off by pressing the CMBS OFF switch.

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To turn the system back on and turn off the CMBS indicator, stop the vehicle, turn the ignition switch to the ON (II) position, then press the CMBS OFF switch for about 1 second. When you do this, a CMBS OFF message appears on the multi-information display for about 5 seconds.

The CMBS indicator normally comes on under these conditions:

- When you manually turn off the system.
 - When the system shuts off automatically.
 - When you drive in bad weather (rain, snow, fog, etc.).
 - If anything covers the front grille (dirt, mud, dry leaves, wet snow, etc.)
- When the VSA system indicator comes on (see page [339](#)).
 - When you turn the ignition switch to the ON (II) position, the CMBS indicator should come on for a few seconds, then go off. If the indicator comes on at any other time and a CHECK CMBS SYSTEM message appears on the multi-information display, there is a problem with the CMBS. You can still drive your vehicle, but CMBS will not be operating. Have your vehicle checked by a dealer.