tance during panic stops. This system exploits all of the benefits provided by ABS.

Do not reduce the pressure on the brake pedal for the duration of the brake application. When the brake pedal is released, DBC is deactivated.

In the event of a malfunction, the warning lamp in the instrument cluster lights up yellow.
Have the system checked and repaired at your BMW center as soon as possible.
Please note any information that appears on the Control Display.

Warning lamp for Canadian models.

Active roll stabilization*

The concept

Active roll stabilization minimizes body roll and optimizes vehicle stability during cornering and evasive maneuvers.

Dynamic stabilizers at the front and rear axles form the basis for active roll stabilization. Suspension compliance adapts to suit driving conditions, varying from performance-oriented during cornering to smooth and comfort-oriented when the vehicle is proceeding in a straight line.

The system assumes operational status each time you start the engine.

Driving with active roll stabilization

During vehicle operation, the system continuously runs through closed-loop control cycles lasting only fractions of a second.

In case of malfunction

The symbol in the instrument cluster lights up and a message appears on the Control Display.
Please note any supplementary information that appears there.
You can find more information on the Check Control starting on page 68.

If the active roll stabilization system is deactivated in response to malfunction, please remember to adapt your speed accordingly, especially in curves.
The suspension will be noticeably softer and the vehicle will display a greater tendency to tilt during cornering and in crosswinds.
If a message stating that you should stop appears on the Control Display in addition to the red symbol, stop immediately and switch off the engine. In this case the oil level in the reservoir may have dropped below the minimum, possibly owing to a leak in the hydraulic system.
Please note any supplementary information that appears on the Control Display.◀

Flat Tire Monitor

The concept

The Flat Tire Monitor keeps track of the inflation pressures in the four fitted tires as you drive. The system provides an alert whenever the inflation pressure drops significantly in relation to the pressure in another tire.

The check of the tire inflation pressure is based on monitoring the relative speeds of the wheels. A flat tire is detected and reported on the basis of a deviation in certain speed ratios.

Functional requirement

So that the Flat Tire Monitor can learn the correct inflation pressure, please perform the following:

1. Check the inflation pressures in all tires
2. Compare with the inflation pressure table on page 170 and correct if necessary
3. Initialize the system.

Limits of the system

The Flat Tire Monitor cannot indicate sudden severe tire damage caused by outside factors and does not detect a

natural, even pressure drop in all four tires.◀

In the following situations, on the other hand, there can be delays in detecting tire pressure losses, and even system failure:

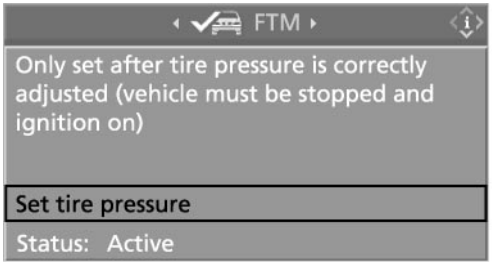
- When you are driving on snow-covered or slippery road surfaces
- If you are using a sports driving style: slip on the drive wheels, high lateral acceleration
- False alarms and undetected loss of pressure may occur when you are driving with snow chains fitted
- When you are driving with the compact wheel, the Flat Tire Monitor is unable to function.

Initializing the system

Perform the initialization immediately after correcting the inflation pressure, after changing a tire or changing a wheel or all wheels. A drive is necessary for this purpose.◀

Control Center, for principle details, refer to page 16:

1. Before beginning driving, start the engine, but do not drive off
2. Open the i menu
3. Select "Vehicle settings" and press the controller
4. Select "FTM" and press the controller



5. Select "Set tire pressure" and press the controller
6. Select "Yes" and press the controller
7. Drive off.
   The message "Initializing" is displayed.

It takes a few minutes before the Flat Tire Monitor can detect and report a flat tire. After the initialization is completed, the message "Active" is displayed.

If a flat tire is detected during initialization, a message appears on the Control Display.

When driving with snow chains or with the compact wheel, do not initialize the system.◀

Flat tire

Indicator lamp

The symbol in the instrument cluster lights up in red and a simultaneous message appears on the Control Display. In addition, an acoustic signal sounds.
Please note any supplementary information that appears on the Control Display. You can find more information on the Check Control starting on page 68.

1. Reduce speed and stop the vehicle carefully. Avoid sudden braking and steering maneuvers
2. Identify damaged tire

   If identification is not possible, contact your BMW center.◀
3. Replace the damaged wheel, refer to Changing a tire on page 187.

Vehicles with run-flat tires:

1. Cautiously reduce the vehicle speed to below 50 mph/80 km/h. Avoid sudden braking and steering maneuvers. Do not exceed a vehicle speed of 50 mph/80 km/h

   Due to the reinforcement on the edges of the run-flat tires, inflation pressure loss can not usually be recognized from the outside, refer to Run-flat tires on page 175.◀
2. To continue driving, comply with the instructions for driving with damaged tires on page 175.

System malfunctions

Indicator lamp

The symbol in the instrument cluster lights up yellow and a message appears on the Control Display.
Please contact your BMW center.
Please note any supplementary information that appears on the Control Display.

Active steering*

The concept

The active steering is a system that actively varies the steering angle of the front wheels in relation to the steering wheel movements.

When you are driving in the low road speed range, e.g. in a town or when parking, the steering angle is reinforced, i.e. the steering becomes very direct and significantly improves the handling capability of your BMW.
In the higher road speed range, on the other hand, the steering angle is reduced, also optimizing the handling capability.

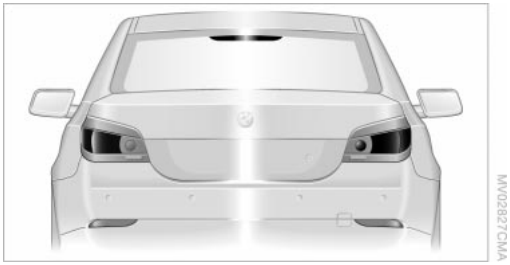
In critical situations, the system can make targeted changes to the steering angle provided by the driver and thus stabilize the vehicle before the driver intervenes.

Indicator lamp

The indicator lamp lights up permanently: malfunction in the system.
Please have the system inspected at your BMW center.
Conventional steering efficiency remains available without limitations.

Brake Force Display

The Brake Force Display indicates the intensity with which you are applying your brakes to drivers of following vehicles.



The display consists of two stages:

- Normal braking:
  The brake lamps in the tail assemblies and the high-mount brake lamp on top of the rear window light up during braking
- Heavy braking and braking with ABS:
  The tail lamps also light up with the same intensity as the standard brake lamp units to enhance the warning effect of the brake lamps.