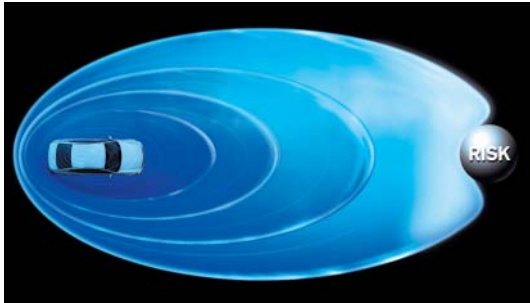


Improving Safety

Toward a Vehicle-Based Society Without Traffic Accidents



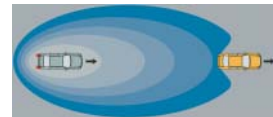
Nissan is working to halve the 1995 figure for car accidents involving death and serious injury in our vehicles by the year 2015. Under the banner “cars that protect people,” Nissan has developed the “Safety Shield” concept, which redefines the level of active safety features incorporated in a vehicle. This concept is the impetus for ongoing technical developments for Nissan’s future generation vehicles. We are designing cars with barrier functions that respond to various driving conditions, from everyday motoring to the critical moments after a crash. These barrier functions provide continuous support even in potentially dangerous situations. Nissan is addressing several car safety issues—including performance, driver education and driving techniques—that influence the overall driving environment.

Reducing the Driver’s Burden: Distance Control Assist System

To keep drivers out of potentially dangerous situation, Nissan has developed a system that helps maintain a safe distance between cars. This system employs radar sensors mounted on the front of the car to sense the gap between it and other vehicles. The optimum distance is determined based on the car’s speed, which is in turn controlled to maintain a suitable distance. This reduces the need for frequent braking, thus lessening the demands on the driver.

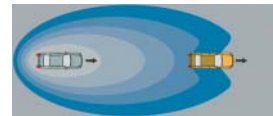
The Distance Control Assist System in operation:

Example of a car coming too close to a vehicle ahead in traffic



If the driver releases the gas pedal, the system automatically applies the brakes. (The system applies the brakes only when the driver is not stepping on the gas pedal.)

Example in which deceleration by a vehicle ahead in traffic requires the driver to brake



An indicator will appear on the instrument panel display and a buzzer will sound. The gas pedal will automatically be released.

The Sky Project Employs Data Communications Technology

The Intelligent Transport System (ITS), which collates real-time data from on-the-road vehicles and traffic probes installed, is employed in the Sky Project to reduce traffic accidents and to help ease traffic jams. A pilot program has begun in Kanagawa Prefecture, just south of Tokyo, in which infrastructure such as data communications equipment installed on roadways is linked to the vehicles. This system can pinpoint vehicles and pedestrians hidden from view at intersections and help prevent such accidents from occurring. The data on vehicle speed is also used to prevent traffic jams.



Temporary stop information in the Sky Project, which uses ITS

Nissan Holds Safe Driving Forums in China

Nissan holds its Safe Driving Forums in various regions of China to promote proper driver education and impart the skills necessary for safe driving. In Beijing, for example, we familiarize attendees with Nissan’s safety technology, accident analysis and the Safety Shield concept, in the hope that this will lead to an automobile-based society with minimal traffic injuries and fatalities.



A driver safety education session in China