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**Abu Dhabi Traffic receive reports Traffic from the public on the application**

**«City Guard»**

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YOUR LIFE AT RISK**

# Academic year excellent track and free of traffic accidents

In the beginning we congratulate students of the educational sector and the educational and administrative cadres of the new academic year and wish them a proven track year

Academic achievements and free of traffic accidents and the resulting deaths and serious injuries.

This issue coming as an addition to the efforts in the field of voluntary work traffic and the strategic partnership with Abu Dhabi Police

In order to strengthen the deployment of traffic culture between all segments of society including contributing to the providing support and assistance to the efforts of the official in the field of traffic awareness.

There is no doubt that what has been achieved to reduce traffic accidents and deaths in Abu Dhabi during the past eight months of

This year from the same period last year by 18% and severe injuries by 22% and the number of traffic accidents

By 7% despite the increase in registered vehicles increased by 17% and the holders of the new licenses by 7%, compounded by our responsibility to support those efforts in order to achieve the best levels in the field of toxic traffic.

This includes the new issue of the magazine has helped many diverse topics of traffic, which aimed to raise the level of

Traffic culture between all segments of society and we hope that the reader will benefit from these subjects.



Chairman of the Board of Directors

Brigadier Engineer

**Hussain Ahmad Al Harthi**

# Saaed IN THIS ISSUE

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**AED 200**

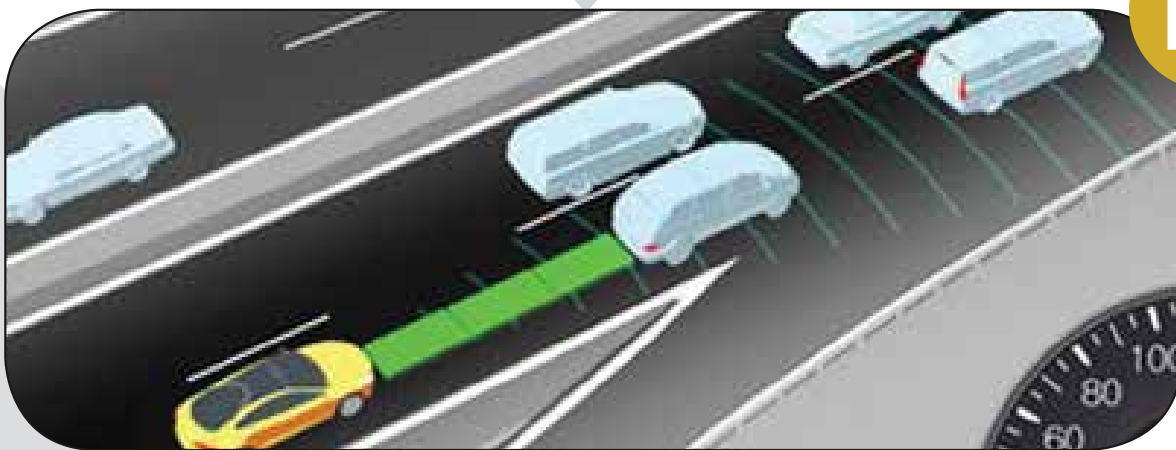
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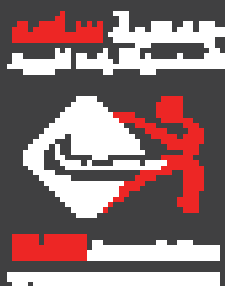
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Chairman of the Board of Directors  
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## Comprehensive programs to elevate the behavior of road users and the application of laws and safety standards on roads

This issue of magazine coming with Association completed of its plan for the third quarter of this year, which included the implementation of about 18 awareness campaign within the framework of the strategic partnership with the Directorate of Traffic and Patrols at Abu Dhabi Police and that of the free providing comprehensive programs to elevate the behavior of road users and the application of the laws and standards of safety on the roads. To enhance community outreach began in coordination with the Association

Directorate straightforward proposition on issues including toxic traffic contributes to devote the case of community awareness of the results reflected positively on the traffic behavior and deepen understanding about these issues. And include such a mechanism to enhance the mobility of traffic on the issues of toxic traffic through the «People's Councils to raise awareness of traffic» which swallowed the roughly 13 council popularly councils of tribal elders and community figures in both Abu Dhabi and Al Ain and the Western Region to enhance the traffic culture.

I would also like to congratulate the children, the students of the new school year and wish them the academic year without traffic accidents from the free combination of all

Efforts and that, as the traffic of toxic merry integrated process involving the police next to three other key elements of a family, school and motorists on the highway.

Editor in Chief

*Lieutenant/ Jamal Salem Al Amrey*

## AED 200 violation for drivers who are not committed to move their vehicles from the road in minor incidents

Applied to the Directorate of Traffic and Patrols at Abu Dhabi Police and the Ministry of Interior's decision violating the non-compliant drivers to move their vehicles off the road simple on traffic accidents, a fine financial AED 200. And in implementation of the recommendation of the Board of the Federal traffic.

Directorate urged motorists whose vehicles to minor traffic accidents or mechanical breakdowns or sudden crashes in vehicle tires remove their vehicles from the road and stopped at the nearest safe position, for their own safety and to ensure for the smooth flow of traffic, and the protection of those affected by their exposure to sudden incidents and to avoid irregularities edit obstruct traffic.

He explained Brigadier Engineer Hussein Ahmed Al Harthi, Director of Traffic and Patrols at Abu Dhabi Police to let vehicles idle or switch tire tracks on the lines of vehicles on the roads, presents the drivers of those vehicles to run-over accidents, and the risk of the occurrence of traffic accidents, due to other motorists attempting to turn around and change their paths to avoid the vehicle stalled, leading to collisions between vehicles.



Brigadier Engineer Hussein Ahmed Al Harthi,  
Director of Traffic and Patrols at Abu Dhabi Police

Al Harthi called drivers whose vehicles to mechanical breakdowns that may cause traffic congestion and blocking traffic and traffic or stand in the case that leads to a traffic accident to request assistance from the central operations room on the number (999).

It is noteworthy that Article (12) of the Regulations for the Law of the Federal Traffic; states that in the event of a traffic accident, and in cases of non-physical injuries, on the outskirts of the accident must stop their vehicles at the earliest place the stand does not cause obstruction to traffic, so as not to offer themselves for the traffic violation, under "obstructing traffic," and that the incident is committed to providing all parties their personal data and their vehicles.





# Winter tires

Characterized by consolidating best winter tires on the snow (and also on wet or muddy surfaces) compared with summer tires. These tires have a pattern more depth allows the discharge of the snow and mud as effective and deep grooves and multiple sheets. This does not apply to any official standard tires in Europe. Although we find the marking «M + S» All winter tires, the icon that represents Snowflake Snow and mountain and called 3PMSF is the only one which ensures that the window frame wintry. Put this code by the manufacturers of America and Canada, and therefore all tires that carry this shortcut is classified in the category of winter tires.

## Technical Features

Winter tires are different about summer tires in the following aspects:

### In terms of the rubber

Winter tires are different tires about summer in terms of the flexibility of rubber

at low temperatures; it becomes effective when the temperature drops to less than ° 7 (on the contrary, when the temperature exceeds this class winter loses the frame of his performance).

### In terms of the tread

Winter tire tread has differences compared with the typical summer frame where we find that a greater proportion of groove and platelet count greater than five times the frame summer sheets and broad central grooves allow drainage of water and the snow melted as fast.

## Tips

It is recommended that the driver always has the same kind of tires and the same degree of damage on each tire the same axis and to monitor the pressure that must be higher than normal pressure of about 0.2 bar (reduce cold compression ratio).



# Types of seat belts

**Waist belt (in English : Lap Belt))** is an adjustable strap connects around the waist, the most common species in old cars before the issuance of the laws required auto makers to install three-point belts. Some buses be equipped with this type of belts are also used as seats in the aircraft.

Until 1980, it was the belt triple points commonly used only in the external front seats of cars and seats were provide background for waist belts only. But the emergence of signs that waist belts can cause separation of the lumbar vertebrae and sometimes linked paralyzed, or «seat belt syndrome», the most developed countries to review the gradual passenger safety laws in order laws requiring the installation of three-point belts for all seats in the external passenger cars at the beginning of it, then in all seating positions in the end.

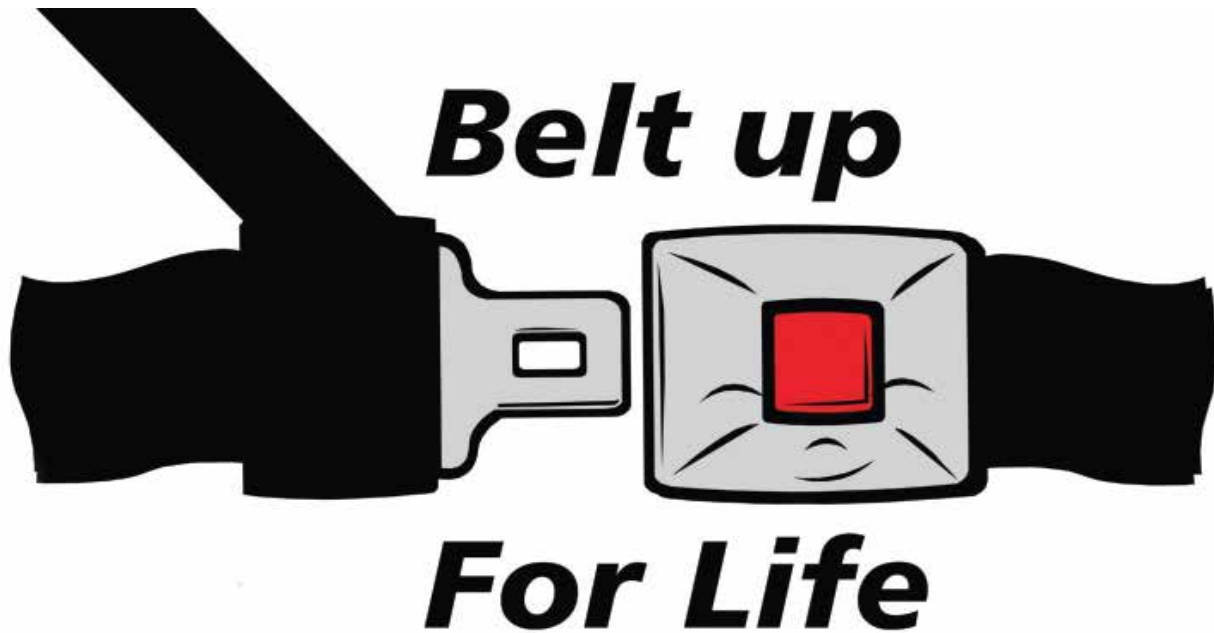
Since September 1, 2007, all new cars sold in the United States require a waist belt and shoulder in

rear-seat East. I have led "seat belt syndrome», in addition to legislative amendments, to take a huge responsibility on the shoulders auto makers.

## Shoulder strap «mantle»

«Ribbon» (in English: Sash Belt) or «shoulder strap» is a belt tightens diagonally on the body of the passenger or the passenger of the hand facing the outside shoulder and pinned inside the car when the stone. Shoulder strap connects the tongue may stone your belt, or may make his tongue and buckle completely separate formulations about special stone belt. We have begun the installation of those belts





separate or semi-detached in abundance, along with waist belts, Foreign seats in the front of cars in the American market with the advent of seat belt use requirements in the Federal Specifications Motor Vehicle Safety standard 208 issued by the National administration for the American traffic Safety on the highways in 1 January 1968.

If you use the shoulder belt without a waist belt is likely that the passenger will «dive», or sliding forward in the seat and out from under the belt, and that in the event of a collision from the front . In the mid-seventies, began three-point belt systems such as Chrysler system «Mono Belt» (in English ) Uni-Belt)) replace the waist and shoulder belts in separate cars manufactured in America. In spite of the appearance of several years in European cars, such as Volvo, Mercedes, Saab, and before that period.

### The three-point belt

Triple points Belt Belt is located in modern cars, a belt detailed Y-shaped in English alphabet so similar in shape stone belts and shoulder separated, but integrates belts in the belt Ahdhat concentrated and reactive power in this configuration the three points. This configuration is similar with waist belts and shoulder separated in that it helps to distract the body's energy moving in event of a collision on the chest, pelvis and shoulders. Volvo introduced the first production from the three-point belts in 1959. It was the first car made three-point belt is in my Volvo

544 have been delivered to the dealer in Kristianstad on August 13, 1959. However, it was the first model of the cars which feature three-point safety belt as a record in style Volvo is 122 to 1959, and had been processed at the outset by two points with a safety belt in the batch the first in 1958, then was replaced seatbelt three - point belt in the following year. Develop the idea of «three-point safety belt» due to Nils Bohlin, who where he worked in earlier also in research on the seats expulsion of vehicles in Saab. The Volvo then after that, for the sake of safety of passengers, making the patented design of safety belts new open and available to other automakers for free.

### Built-in safety belt seat

Built-in safety belt seat (in English: Built-in-Seat or BIS) is a three-point safety belt, but belt shoulder in this configuration proves himself in the seat, not in the structure of the car was the first car to use this system in the United States is the Mercedes-Benz SL 1990. Also, some cars such as the Renault Phil Satis use this system for the front seats. GMconcluded after assessing the performance of these belts to the three-point safety belts and the vehicle as a single unit with the seat provides better protection for passengers, especially smaller ones, despite the fact that GM did not find any significant improvement in the safety performance of vehicles equipped with built-in seat belts compared to those installed in the car body.



### **Safety belt with five points User in a car race**

Used belts or saddles with five points usually in safety seats for children in motor racing. In this formation is linked to the special belt waist belt last passes between the legs and there is also belts of the shoulders, making the total points as evidenced in the seat is five points. Belts or saddles with four points Mchaabaha be so, but without the belt between the legs, while that belts or saddles with six points contain two belts between the legs. In the case of incidents coup vehicles, can cause belts or saddles of this type in paralysis or other serious injuries when it is installed in the vehicle is designed to fit this type of seat belts and also where durability is not available enough to prevent the collapse of the roof during the coup and that the vehicle is mainly used in race cars. After the death of Dale Aernhardt race in NASCAR has become the seat belts with six points popular; where he was Dale wearing a belt five points when exposed to the deadly accident. In reaction to this incident has some difference contestant request safety belts with six points where it was believed in the past that has interrupted his belt.

### **Join belts b**

Width of the belt for the first time in American cars in 1947, and in 1956 provided the Ford Motor Company Belt in the cars that will be sold within the United States, and in 1964 became the standard recipe belt for cars America. In 1966 he became the posterior cingulate record, and in 1967 became the anterior cingulate mandatory, in 1968 he became the shoulder strap is mandatory.

### **The alarm bells and lights**

Some modern cars appear flashing light and a reminder beep continuously until proven driver's seat belt.

### **Enter the first car where the seat belt**

Volvo is a Swedish company to manufacture cars and heavy vehicles were created in 1927. Considered a pioneer in automotive safety is the first car to be the introduction of seat belts out, note that the name «Volvo» in Latin means «I'm rolling.»



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# Maintain the vehicle tires

You can give your tires a long life if she does well taken care of loved ones spend so much time in the car, this requires you to maintain the car's tires in the best case. The good care of your car tires and the correct way to secure you enjoy led. In these three steps Statistics.

## The first step

Keep balance wheels are to maintain a balance wheel is extremely important to ensure the rotation correctly. So ask your local center for the maintenance of the wheels in your wheel balancing weights comments via small edge of the wheel. Where she works these weights to amend any defect in the structure of the wheels or edges.

If I felt a vibration through the steering wheel, you may need to re-balance the wheels. Bring to reserve

the car wheels to the maintenance center to see if there was a need to re-budget or not.

## The second step

Make sure you put your car wheels correct degree of nonlinearity

The degree of probity appropriate wheels to keep your car on a flat contact with the road surface. They represent an extremely important factor to prolong the life of the wheels as that achieved is relatively cheap. The more I found that the perimeter frame eroding irregularly or that the vehicle is traveling in uneven - whatever the degree of your commitment to leadership, sound - it may be a sign that calls for examination of the degree of straightening the wheels. Scan to see if the wheels were eroded irregularly, and found the edges juts ask for an examination the degree of straightening the wheels.



### The third step

Do not rush to replace the wheels require most companies replace the tires all four wheels whenever the car cut off distance 5000 almost a mile. Especially for the front-wheel drive cars. Do not forget also that there are different methods you can follow to replace the wheels.

In addition to the above, the simplest way to improve the degree of control and the brakes and steering in the car is to make sure inflatable tires appropriate degree of pressure. And be sure to increase the tire pressure, according to the manufacturer's recommendations, when you increase the load in your car.

### Examination and reform All Care Tools tires

Even if you're not going through thousands of kilometers away in your car, you should inspect your tires on at least once a month and always before

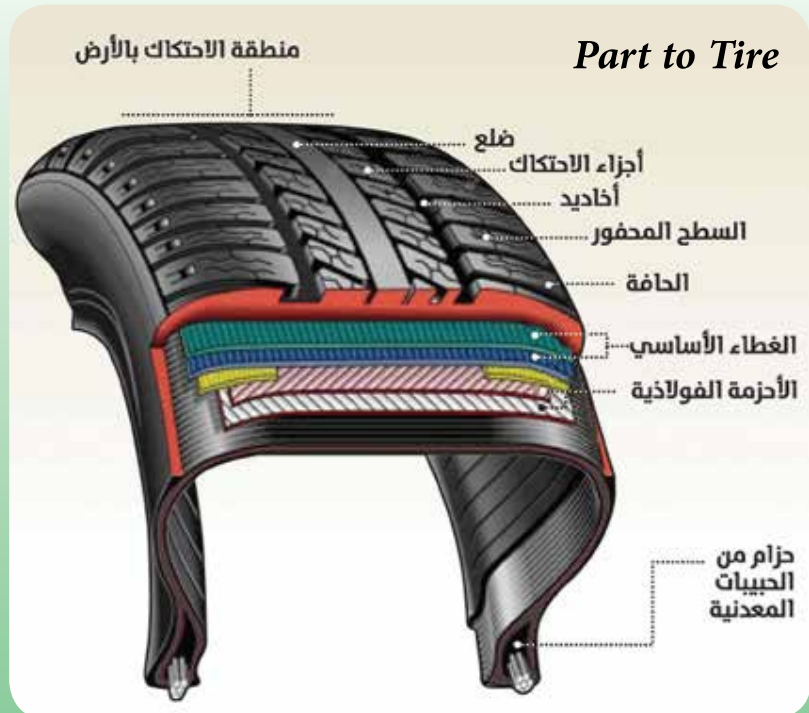
long journeys. It's important to keep an eye out for excessive or irregular tread wear, in light of inflation, or damage such as scratches, bulges, cracks, holes and more. If any of these conditions exist, or if you suffer from the loss of constant pressure, it should be unload the tires and lose damage by tire technicians to determine whether a repair can be made.

Cases where the tire repair is not the correct answer. You must replace your tires, rather than trying to repair, if you're dealing with any of the cases the following:

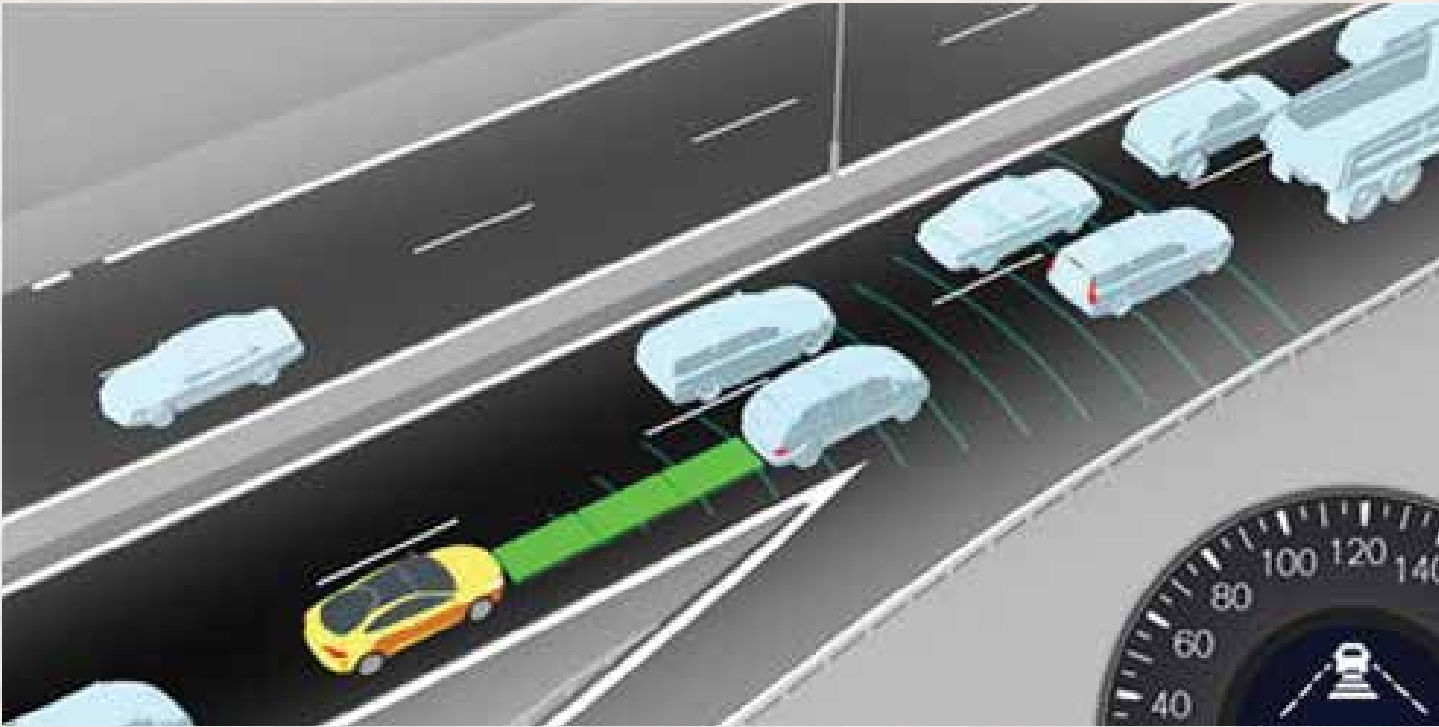
If you noticed a bulge or blister on the wall of tires, you should replace the tires immediately . These are the signs that lead to tire failure and can be dangerous.

If you find a hole in the tire blow due to external must be replaced immediately.

If the tire has suffered from lacerations or other significant damage, tires must be replaced immediately instead of trying to fix it.







# Traffic accidents

Road accidents or traffic accidents or traffic accidents are accidents that occur on the roads when the car collision or another person or animal or plant in a collision or other things, and are caused by these incidents material losses and injuries and deaths.

Among the reasons for this problem: a high speed when driving a car and skip the red signal and non-compliance with traffic rules or preoccupation with the phone while driving and excessive speed and exacerbating the impact of lack of seat belt, in addition to the lack of The presence of a traffic policeman to regulate traffic.

The children under the age of ten, the elderly and people with special needs the most vulnerable to traffic accidents due to lack of the availability of sufficient experience in dealing with the street and helps those who need to cut the street.

In fact, the mysterious incident often falls as a result of driver error, and is to be primarily responsible for obtaining It is better for the driver that is well known methods of prevention of accidents vague so as not to fall victim to it, there is a kind of mysterious incidents which goes dangerous lives of thousands every year, but every day, and this accidents occur for one car alone without being involved in the other

car, such as recklessness and the coup and sliding and rammed fixed objects such as trees, walls and other, and with the large number of such incidents day and night we had to realize take an inside look at the close relationship between the driver and the accident and this study is based on the study and the driver of this relationship.

The scarcity in the treatment of the site as one of the actors and causing traffic accidents and lack of interest in most studies prompted the researcher to cover this shortfall and look at the importance of the study as well as the search for the privacy of accident sites traffic can contribute to an effective contribution in the identification of some of the real reasons for these hidden incidents which leads to avoid these reasons, and thus reduce traffic accidents and risks and outcomes.

Driver:

The impact on traffic accidents through the following points:

A -

Physical condition of the driver and his abilities on the reaction during the occurrence of a sudden event on the road also enters in that visual acuity has ruled in the steering wheel.

(B)

The efficiency of the driver in terms of his experience and his followers the necessary actions while driving as giving the necessary signals during cornering and taking into account the process overtaking another car and so on.

C -

Psychological state of the driver while driving a car or vehicle and its impact on leadership style that is followed.

The case of the driver: the case of the driver are often the main cause of accidents for the driver must be vigilant mentally receptive when driving a car, and the status of this attention and vigilance affected by many factors, which increases the risk of in hindsight crashes or deterioration,

What is the most important influences on the driver:

- Weak consideration.
- hearing impairment.
- exhaustion and fatigue and fear.
- nervousness, drowsiness and sedation. Although more effort by the government to ensure the safety of cars and improved roads and traffic systems remains the most important problems relating to traffic safety in the hands of motorists because the driver is the cause of most of the first accidents.

How the driver avoids accidents ..?: The driver is the human element in the incident, which is the main focus of which revolve around the factors that shape the traffic accident is to take responsibility for other people's leadership of the car skill require training and practice and vigilance

There are what affect the ability of the driver to avoid accidents, including:

- lack of leadership, a fatigued and tired.
- not to be infected with HIV reduces the efficiency in driving.
- Do not drive fast in excess of the decision.
- Respect traffic rules.
- Do not use strobe lights.
- Leave a safe distance between himself and the other cars
- awareness and understanding of traffic.
- caution on the part of children and adults while crossing the road.

And duties towards the driver accidents: In the case of an accident the driver gives to his colleague all the details required to learn the identity of the vehicle. If the driver was found near the scene of a device to call an ambulance had to tell Him about the incident and details all that was known about him. Located on the driver's place to tell the police as soon as possible from the scene and mentions his name and address and the names of the injured The place where the incident occurred. The driver passing near the scene of a commitment not to continue to stand and walk.

### Kinds of traffic accidents

Run-over accidents: where the vehicle collide with one person while passing from the road.

Crashes: where the collision of two vehicles collide with each other or one other.

The previous two types are more common.

Accidents deterioration: It incidents that changed the direction of movement of the vehicle as the driver cannot control it.

Collisions foreign body: where the vehicle collide with a fixed object in the street, such as rocks and electricity poles and others.

Animal collisions: collide with the vehicle in which one animal pedestrians from the road.

Economic losses

Traffic accidents are caused by significant economic losses worth millions of dollars each year, as cause Ptdharr vehicles and installations public, and the disruption of traffic

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TAKE A  
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# Abu Dhabi Traffic receive reports Traffic from the public on the application «City Guard»

The Directorate of Traffic and Patrols General Command of Abu Dhabi Police for receiving communications traffic from the public about traffic violations committed by some drivers on internal and external roads in the Emirate of Abu Dhabi; through the application of the Government of Abu Dhabi-mail «City Guard», in the belief that the Directorate of traffic Safety societal responsibility must all join hands segments of society to achieve them; so that it becomes a behavior-year-old is keen to be bound by everyone.

According to Brigadier Engineer Hussein Ahmed Al Harthi, Director of Traffic and Patrols Directorate of Abu Dhabi Police, the Directorate receive communications documented from the public about cases in which they are exceeded traffic Law of motorists, through captured images or video clip with the need to clarify the number and type of vehicle, the type of violation and the place and time; street in which they occurred, pointing out that he will be dealing with all such communications secret without revealing author, and validating and then take the necessary action.

He called Al-Harthy all segments of society to assume their responsibility to the community through the initiative of «community traffic policeman», launched by the Directorate to promote interactive participation in the provision of traffic safety and the reporting of the excesses of traffic Law, and risky behaviors performed by drivers on the roads, whether internal or external, or inside residential neighborhoods, reviews include vehicles

And driving frivolously and exceeded the road's shoulder and bypass the traffic signal red and exceeded trucks and other irregularities other.

Harthy said communications received, through the application of «City Guard» is part of the

agenda of the Government of Abu Dhabi to promote public participation in reporting on various issues, including traffic violations, including clock can the speed of communication and take advantage of this application is the largest mail; so as to enhance and provide better traffic environment and safer.

He stressed that Al-Harthy public participation in maintaining traffic safety, through whistleblowing, pour in the comprehensive plan for traffic safety in the Emirate of Abu Dhabi, which have been developed by adding a sixth axis axis community Partnership to become 6Es + I a, Engineering, Awareness and Education, Traffic control, Health, Rating

He called Al-Harthy segments of society, through the initiative of «community traffic policeman» to promote social responsibility to achieve traffic safety, pointing out that the passage of Abu Dhabi is not happy Liberation traffic violations, nor sought by any form, urging drivers to abide by the law of traffic and do not commit offenses that may lead to accidents and the resulting human and economic losses and review traffic behavior; terms of commitment laws and regulations that have been developed to provide safety.

It is worth mentioning that it can get the program «City Guard» through the site Abu Dhabi Government Portal e

.ae Wwww.abudhai

And then search for the word «City Guard, which is compatible with the system

«Android» phones, as well as the system ios devices «iPhone» «ipad» The program is available in both Arabic and English.



# Hybrid Cars

Description demonstrates the use of hybrid technically sophisticated technical system that combines different techniques to achieve the goal, a movement car. Based hybrid car on the kinetic system is composed of two different types of energy storage and converted into movement. For example, the electric motor is used along with an internal combustion engine as a way to convert energy to movement, which uses an electric battery in addition to the usual fuel Ktrivtin to store energy and then converted into energy movement.

During operation of the vehicle be possible to use both engines in the arena parallel or separate from each other. Who shall cut off the electric motor for the first distances on the road where the battery is fully charged in the first leadership

Does not result in harmful gases to the environment. Near the entry into force of electricity starts the internal combustion engine to continue his usual way.

And often use an internal combustion engine along with an electric battery and electric generator, and the latter works to store electrical energy in the battery during the walk.

The movement is based on converting a portion of the kinetic energy generated by the combustion engine to the electric motor by battery generator (Dynamo) and is stored in the battery. It can then be used when necessary as energy to run the electric motor, which can assume the role of normal engine entirely in the case of intermediate velocities.

Auto manufacturers are being researched to reduce the size and weight of the batteries currently used as take a great deal of load car. As well as working on the development of electric motors so as to reduce the noise of them at high speeds. For battery electric in there thinking replaced by a new technology-mediated cell-powered fuel-dependent

the interaction of hydrogen and oxygen to generate electrical power. One of the advantages of electric cells that run on hydrogen they do not produce substances toxic or harmful to the environment, but where the exhaust is water.

## Environmental Protection

Property preservation of the environment, which launches on Hmaalnoa of engines, stems from this technique that stores energy surplus to be used to run through the electric motor which does not produce toxic gases.

Some experts objected to the description of this system based friend of the environment due to the large amount of energy needed by the manufacturing the battery used on the one hand, and the presence of toxic substances in large quantities in those battery with the impossibility of re-manufactured. Especially that the lifetime of the batteries currently used does not exceed 6 years.

So are some auto manufacturers to work on the development of electric cells operating with hydrogen gas to the shrine in large batteries cars, because those electric cells (fuel cells) is working on the production of electrical current mediated Union hydrogen with oxygen does not result only from waste water.

**Radars and surveillance cameras violate the 4930 vehicle, beating in four months**

## **Abu Dhabi Traffic: penalties of imprisonment of up to a month to overcome shoulder of the road**



Brigadier Engineer Hussein Ahmed Al Harthi, Director of Traffic and Patrols at Abu Dhabi Police Directorate's intention to apply tough sanctions on motorists who waive shoulder of the road and according to what is stipulated in the traffic Law Federal and traffic No. 21)) of 1995, which criminalized violation of its provisions, including the shoulder of the road overtaking by penalty of up to one month imprisonment and according to what is stipulated in Article (57) of the Traffic Act and password in addition to the recording (10) points of traffic congestion on the icon for offenders («6» points for a foul overtaking from the road shoulder and «4» points for a foul not giving way for emergency vehicles and police)

And that because of this phenomenon posed a danger to the lives of people and road users to the fact that the road shoulder created for use in emergencies to provide a quick paths for ambulances and transport the sick and injured and to provide humanitarian services to them as well as providing a quick paths for vehicles of civil defense and police vehicles to carry out urgent and emergency services so that they can the speed of access to the scene and rescue the injured and to protect the funds of danger

He reported that the Directorate Harthy stepped up traffic controls on internal and external roads to adjust the squatters from the road shoulder and

in the framework of a comprehensive campaign in coordination with the Joint Commission for the safety and traffic solutions to raise awareness of the danger of overtaking those tracks and caused obstruction to traffic and traffic and obstruction of ambulances and civil defense and police vehicles in the performance of their tasks and urgent humanitarian

He pointed out that the road irregularities shoulder liberated by traffic patrols and traffic in the Investigation Directorate of Traffic and Patrol Police Abu Dhabi has been monitored by radars and surveillance cameras during the last four months of the current year to exceed the the road shoulder on internal and external roads in Abu Dhabi amounted to a violation of 4930 exceeded the shoulder of the road

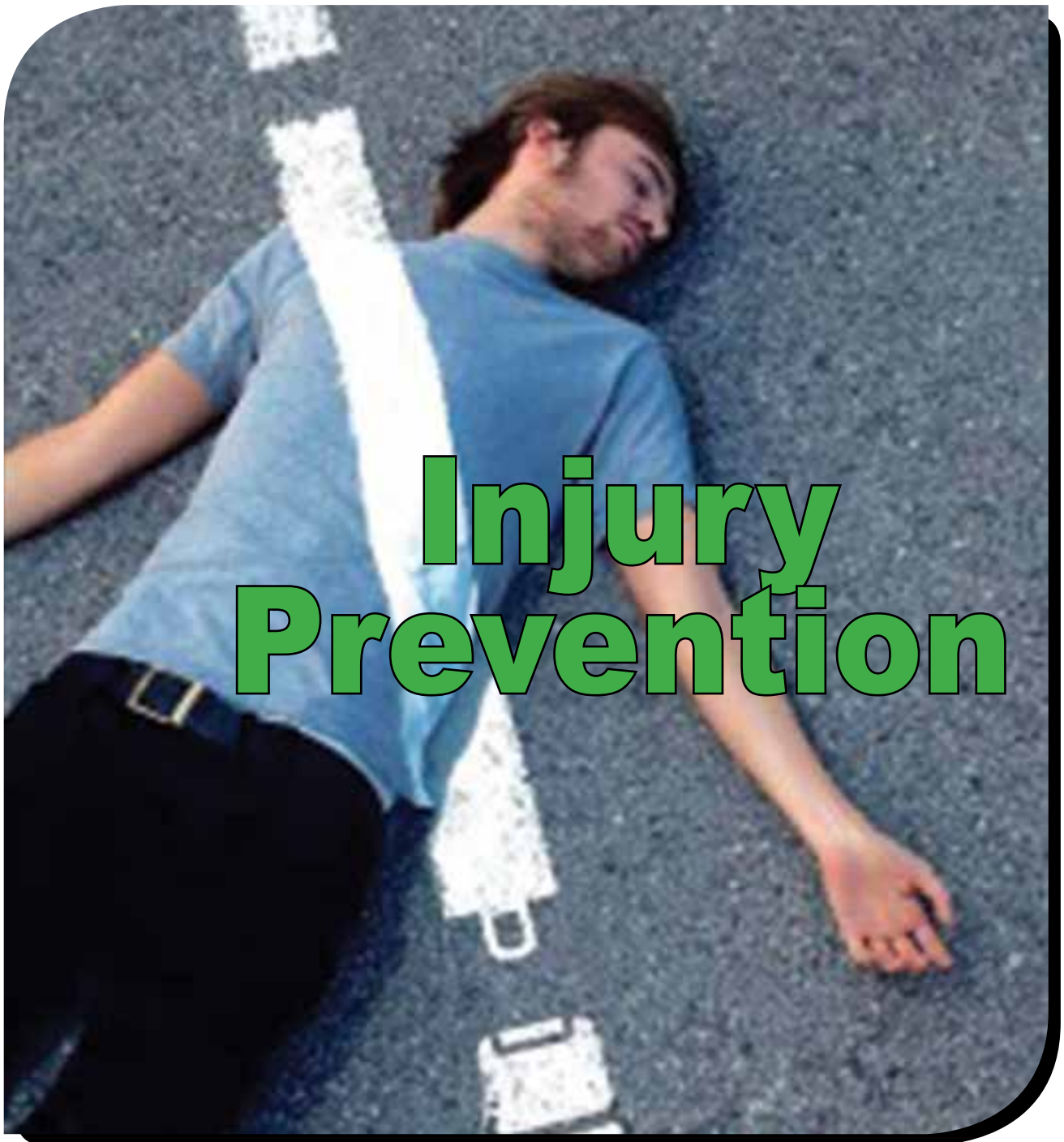
It is worth mentioning that the irregularities overtaking shoulder of the road to be monitored by radars and cameras to monitor violators of the laws traffic on the intersections of the city of Abu Dhabi, in addition to violations of cutting red traffic signal and improper use of the motion paths , parking vehicles on the pedestrian crossing lines, exceeding speed limits, and violation of past vehicles at intersections, vehicles the detour that circumvent or full to the left of the lanes is allocated.



# Car Safety

**Automotive safety is to avoid car accidents or reduce the damages resulting from accidents to maintain a private life and health rights.**

- |   |  |
|---|--|
| Means safety in cars  | Concern for the safety of Air Bag System               |
| Lose tire pressure before traveling a long way                | Change the engine oil and ensure that there is no leak |
| Mobilization of water to cool the car if the temperature rose | Fasten seatbelt  |
| Non-use of used tires and old                                 | Not to talk mobile                                     |
| Concern for the periodic inspection of the car                | Lack of concern for children                           |
|   | Children put the seat allocated to them                |



Injury prevention efforts are being made to curb or reduce the risk of bodily injury caused by external mechanisms for example, the case of accidents before they occur. Injury prevention is a component of the public health and safety and aims to improve the health of the population through prevent injuries and thus improve the quality of life and often uses the term «incidental injury» to describe these infections between humans and non-specialists, but the word «accidental» means that the causes of injuries are the reasons random in nature. Researchers use the term



«Unintended injury» to describe the injuries beyond will, however it is possible to prevent them. The example of unintentional injuries cause more deaths than those caused by the nine major causes of death combined.

Cover injury prevention strategies a variety of ways, many of which falls in the classified under the so-called b «3 E's» to prevent injuries: education, engineering modifications and application / legislation. It also has some organizations such as the protection of children the world to expand this list to «E's», where it was Add: development and economic stimulus and empowerment.

### Measuring impact

Scientific research in the field of injury prevention is not easy because as a result of interest is measured by deaths or injuries that have been prevented It is almost impossible to measure the number of people who have not fallen to those who suffered injuries. Can be measured efforts in the field of education through changes in knowledge, attitudes, beliefs and behaviors before and after intervention, but this can be attributed to the changes that work to reduce morbidity and mortality often what is a problem.

Is not usually the study of trends in morbidity and mortality in the population complex may give some indication of the effectiveness of the intervention for the prevention of injuries. In all, this method lacks the possibility of environmental chicanery (in English: Ecological Fallacy) so that the data show correlation between the intervention and the change in the results, but the fact that there is no causal relationship between them.

### Types of prevention of common infections

#### Traffic safety and cars

Traffic Safety and Motor Vehicle Safety is a key element to prevent injuries and to be the main cause of death in children and young people adults in the mid-thirties. Began efforts to prevent injuries in the early sixties while viewing activist Ralph Nader to the idea that the most dangerous cars in his book, which should be an unsafe at any speed. This has led to changes in the way they designed their cars to allow more space collision between the vehicle and the passenger.

Engineering: Measuring the merits of the collision of the vehicle and the safety belts and airbags and seatbelts lock for child seats.

Education: Working on induction on the use of seat belts and not to encourage leadership is sound (weak) and to encourage the use of safety seats for children.

And the application of legislation: the traffic and applying laws and seatbelt main speed limits and laws of the weak leadership.

### Pedestrian safety

Pedestrian safety is a focus of attention in epidemiological research to prevent injuries and psychological. Epidemiological studies are focused on the typical external causes for the individual, such as traffic density and access to hiking areas safe and socio-economic status and the rate of injuries and safety legislation (eg traffic fines) and even the form of compounds that affect the seriousness of the injuries resulting from the collision. Epidemiological data show that children in the age of the year to four years are at greater risk of injuries on the roads and sidewalks while exposed children from the age of five and fourteen to even greater danger when trying to cut the roads.

The size of psychological studies about the safety of pedestrians currently much lower than that in the field of epidemiology but growing steadily. Pedestrian safety studies are due to psychological mid-eighties, where researchers have begun to study the behavioral variables in children. Included behavioral variables related to the choice of crossing gaps in traffic and attention to the movement and the number of strikes nearby or actual or tracks chosen by the children when crossing multiple ways, such as walking to school. Studies often include behavioral variables that involve risk, such as children who get involved in and the risky behaviors that may be considered with great seriousness if they cross the road on their own. The most common techniques used in the research is the behavior of pedestrians and road virtual who stands where on the child after some distance from the pier observers traffic on the real road. After that the child goes to the edge of the street when they have the opportunity to cross. Research tend gradually towards a real virtual techniques are valid in a more ecologically.



# Safety features in cars

Passenger safety depends on your driving style to motorists as well as to follow the traffic system. The systems include instructions on traffic to pass, and the development of traffic signs and banners, and follow the instructions of the importance of the use of belts safety, and to refrain from using the phone while driving. The invention and development of transportation,



The split means safety in modern vehicles into two types:

First: security means working to mitigate the consequences of an accident can not be avoided. It means that the presence of the seatbelts in the car preferably for all passengers. And the presence of head restraints and airbags, steering wheel and be flexible so as not to be a cause of excess hardness injury, and that the design of the front of the vehicle so that it contains space bear without the crush of the volume up crush into the passenger compartment. As well as provide modern vehicles cushioned side airbags are working on protection of passengers from side-impact collisions Its modern technology .



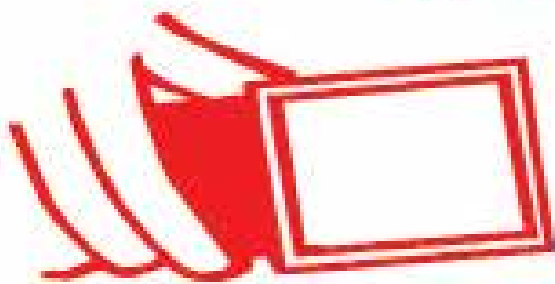
Second, was to provide the means of modern automotive design arguably actively working to reduce the risk of collision and be to help the driver to avoid a collision, such as anti-lock braking system sliding ABS, electronic guidance systems and modern called ESP works to balance the vehicle during critical situations.

Then should be noted the role played by the commander of the car and taken into account the importance of the road conditions and others. Attention must be paid, as well as educating children and young people with traffic regulations, and urged them to follow.



**STOP**

**FASTEN  
YOUR**



**SEAT BELTS**

# Traffic Safety

**Traffic safety or security on the roads is a way to drive safely on the road to ensure the safety of person's accidents that cause injury, disability or death in many cases. Definition of traffic safety**

The broad concept of traffic safety is to implement all plans, programs, and regulations and traffic laws and preventive measures in order to reduce or prevent traffic accidents, and to protect the rights and ownership, and the protection of the citizen and economic issues.

## **Factors of traffic safety**

First, vehicle safety features that should be available in vehicles are: - spare tires and remove the wheel and machine tools installation. - A fire extinguisher. - First aid kit. - Triangle reflector light. - Seat belts. - Pillows. - Seats children. - Airbags. - Reflective mirrors, which display traffic back to the markets. - Windshield wipers. - Indicators of the risk of incorrect and light (on the dashboard), such as fuel, engine oil, temperature, battery indicators and speed.

Recognize the importance of vehicle maintenance, most of the states and put preventive measures to ensure the maintenance of the vehicle to prevent traffic accidents occur due to poor maintenance or maintenance is required for vehicles. Among these procedures system examining the vehicle League, which aims to:

- Improving the quality of maintenance of the vehicle.
- Reduce traffic accidents.
- An increase in the service life of the vehicle.
- Maintain the integrity of the overall environment.
- Maintains the security and safety of drivers and passengers and pedestrians.

Second: the road means safety in the road: Given the importance of the road in the process of traffic seeking state and government to the establishment and construction of road networks and the high level of quality:

- Design and engineering planning for the road
- Lighting the way
- The validity of road traffic safety and the extent of the natural obstacles like removing Kaloterbh and quicksand
- Tools regulate traffic, optical Kalacharat on the road signs and cautionary, media and Almudallalat ground.

In an effort to keep the roads outside the cities Aquaodakhlhaeetm Meh stations weight load trucks

Thirdly - the human element: a driver as the driver is the active ingredient and the engine of the process of traffic must be provide several good recipes in the driver:

- The mind - the safety of the senses - knowledge systems and traffic instructions and abide by - the focus while driving - a sense of responsibility - Bmacainaike familiarity with the vehicle and maintenance on an ongoing basis.

### Means driver's safety

- The use of a seat belt - and the presence of head restraints - special means glasses, medical and ambulance bag and airbag

Procedures and rules of safe driving of the vehicle

- 1) preparatory processes should work before driving the vehicle by the driver: - thrown Overview the vehicle, tires, and watched the road condition. - Make sure the durability and safety of the doors. - Systems of your seat and the steering wheel is Bnaspk. - You must link belt Almqad.okzlk Travelers also should tie their seat belts. - Adjust the mirror. - Make sure the dashboard indicators in terms of temperature and fuel.
- 2) driving the vehicle. The vehicle has its context safe and follow the rules and traffic laws.
- 3) When you stand up, the driver: - look at the mirror to see the traffic situation. - To ensure the safety position lights. - Then pressing the accelerator pedal gradually. - Then pressing the brake pedal gradually. - After a full stop, press the brake and then ren vehicle.

4 pedestrians: to ensure the safety of pedestrians preferably follow the instructions below:

1. Walk on the sidewalks and if the sidewalks are not available, walk on the edge of the road or on the shoulder of the left the road, and walk towards the traffic. And use the pedestrian bridge if it is available

2. See the left, turn right, and went to traffic. Stop and take a look to the right and then to the left, and proceeded to traffic again. He stopped at a traffic light in order to tell the drivers that you intend Alabor.otzkr you always obey traffic signals.

3. See and watch the traffic. Because the driver needs to see you for Tvadik.

4. Wear and clear colors or reflective clothing if you walk at night.

5. I carry a flashlight when walking in the dark.

6. Do not let children play near a traffic signal or cross the street alone.

7. In bad weather, warns that be Hmcetk or rain coat does not forbid vehicles coming from your vision.

Z. Observe your children.

Young children should not cross the street alone or allow them to play or walk near traffic signal .

Where the children are not able to determine the distance and speed of vehicles accurately and that may lead to unexpected movement .

8. Drinking and walking?

Alcohol can impair pedestrian as is its impact on the markets.

Do not take alcohol while walking, as in driving the vehicle.

Boarded the bus, taxi or rented, or seek the help of a friend to drive you home by car.

Beware of the effects of prescription drugs and the drug is depicted, too.

9. Obey traffic signals at intersections where that traffic is controlled by signals

Or traffic police and pedestrians to obey the signal and not cross against the stop signal unless they bend or optical reference signal man traffic.





## (Anti-lock braking system (ABS

# Developed ABS early for the first time for the aircraft in 1929

The architect of this automobile and aircraft Frenchman Gabriel Voisin, because the braking system limited in the plane was almost impossible. The system was introduced early system called Maxart Dunlop in the fifties of the nineteenth century and remained in using some Taúrataskhaddmt models of these systems and Haddafah valve is connected to the line Hidorelika feeds the cylinder braking. The flywheel is attached to the cylinder rotates quickly equal to the Cupboard. In normal braking roller will rotate at the same speed and flywheel. If the cupboard suddenly slower the disc will likewise leaving flywheel to spin at a faster rate. This leads to the opening of the valve, which allows for a small amount of liquid to pass through to avoid braking roller core and password to the sides of the tank, thereby reducing the pressure on the disc and the brake a little editing. The use of the drum and flywheel means that the valve opens only when the wheel spins. During the test, it was observed by a 30% improvement in braking performance, because the pilots were directly apply braking force full rather than increase the pressure gradually until

reaching a point slip. It also has added another benefit system which is accessible to avoid burning tires

### Anti-slip

Can also be used for equipment brake system anti-skid system for the implementation of anti-slip on the acceleration of the car. If, when accelerating, you lose control of the wheel slip, the system can monitor the ABS detection this case and take appropriate action so that it is to regain control of the slide. Manufacturers often presents this part separately at a price of optional, although the infrastructure involved dramatically system with the ABS and no more sophisticated copying of this also enables control on the fuel levels and brakes simultaneously.

Tends brake system inhibitor for sliding in the gravel, sand and heavy snow, to increase braking distances. On these surfaces, wheels stop the car sliding more quickly. But the system prevents the ABS this from happening. Some systems, the ABS contraction this problem by slowing the time of rotation, and thus





allow the calf repeating the lock and open for a brief period. Some auto manufacturers provide a button «off-road» to shut down the system function the ABS. The primary benefit of anti-lock braking system on the sliding surfaces is to increase the ability of the driver to maintain control of the car instead of slipping in spite of the loss of control is probably still on soft surfaces such as gravel or slippery, such as snow or ice. On a very slippery surface, such as gravel or ice cover, it is possible to lock the wheels in multi-Ann one, and this can not defeat the anti-lock braking system, which relies on a sliding comparison between all four wheels , and reveals the individual wheel slip singles). System availability of the ABS relieves most drivers from learning braking limited.

"System works the ABS system with traditional Mkag automatically by Dkhm. In cars that are not equipped with the ABS, the driver must pump the brakes to prevent Bdub sliding calf. In cars equipped with the ABS, must remain your foot planted firmly on the brake pedal, where the pay system ballasts anti-skid brakes you so you can focus on driving to safety . "

When running systems checks non-slip early in the palpitations caused noticeable in the brake pedal. Most drivers rarely push the brake hard enough to cause it stands, people rarely bear trouble read the manual car, and this may not be discovered until an emergency. When that does happen to drivers in emergency situations causes them to brake rigid, and thus face this flickering for the first time, and many believe that they should reduce their pressure on the pedal, and thus prolong braking distances, and causing a higher level of accidents. Therefore, do some manufacturers brake assist system determines if the driver was trying to stop the emergency «where» the system automatically increases the braking force, if it is not enough pressure to be applied. Cause cruel or emergency braking on rough surfaces, because of the speed bumps in the calf to become a non-regularly may also lead to an anti-lock braking system sliding. However, the system has helped the ABS to significantly improve the safety of drivers and control in most situations on the road.



# **Strong Q1 Performance for Al Hosn Gas**

Al Hosn Gas achieved a 131% out of a maximum performance score of 150% in Q1 2014. Last year, the company proactively and successfully handled the performance management process and eligible employees were rewarded with a performance bonus based on a KPI score of 135.2%. Performance has been sadly affected by a road traffic fatality that occurred in February, depriving the Company of 19% points of 150%.

Al Hosn Gas is targeting the 150% maximum for the remainder of 2014. For such a challenging endeavor the company will redouble its focus on HSE, ensuring there is no work related injury, illness or serious environmental incident during the rest of the year as work shifts to commissioning

and start up. It is also required to achieve, in a safe and environmentally responsible manner, 50% gas production by October and 100% by November 2014.

Al Hosn Gas needs to accomplish the planned project milestones that will help in meeting the production commencement schedule. The company will have to recruit approximately 120 additional UAE nationals during the rest of the year in order to meet the Emiratization target of 54% compared to an actual 42% as of March 2014.

With respect to drilling it is required to complete a minimum of 29 wells by year end compared to 22 wells at the end of March 2014.



## **For the Third year in a row** **Al Hosn Gas wins one of** **ADNOC's HSE Awards**

Mr. Saif Ahmed Al Ghafli, CEO of Al Hosn Gas, received ADNOC's 2013 HSE award as runner-up winner in the innovation category. The award came in recognition to Al Hosn Gas's efforts in developing the "The BowTie Lifecycle Process" to assess risks.

The award recognized that Al Hosn Gas HSE Business Lines had collaborated to develop an

innovative process to generate and use Bowties as an effective tool to assess risks and add substantial value to the safe operations during the facility's lifecycle and enabling the inspection and maintenance efforts to specifically target high-risk areas.

ADNOC's HSE Awards program was designed to honor the outstanding

achievements of the group's employees and contractors in HSE. Al Hosn Gas was awarded ADNOC's 2011 HSE Award in the innovation category for company standard on Hazard study for Escape Evacuation and Rescue (HAZEER) and in 2012 was also conferred a Special Category award for HSE Champions League in 2012.

