

# About driving rain on the day

## Driving of rain on day

### ☾ Run carefully on a slippery road.

View worsens, the glass becomes cloudy, and it runs carefully because the road becomes slippery on the day of rain. -

Run carefully in beginning get off about rain so that the road is slipperier. -

Neither the steering wheel nor the brake might work by hydroplaning \* on the day of rain, and do the speed with unassuming modesty.

- Phenomenon to generate water film by high speed operation etc. of rain between tire and road, and to lose earth power.



#### Drive carefully on a slippery road.

- A rapid brake, rapid acceleration, and a rapid steering wheel in a slippery road slip the tire, cannot control the vehicle, might cause an unexpected accident, and are dangerous. -

An engine brake by the improvement shift down of the shift and a rapid change in the engine rotational speed might cause an unexpected accident by sideslipping by the car and are dangerous. -

Confirm the brake works normally lightly stepping on the brake pedal after it runs of the puddle. When the brake pad is wet, it worsens working of the brake, and is taken the steering wheel effective only of one that has not been wet, might cause an unexpected accident, and is dangerous.

### ☾ Do not run on the flooded road.

Serious damage might not be given to the vehicle and do not run in the road that is flooded because of the heavy rain etc.



It might cause a serious vehicle breakdown to damage the engine by not only the engine stall if running on the flooded road but also the inhalation of the short of electrical equipment and water. Check the following item etc. in the Toyota shop when running on the flooded road by any chance, and soaked in water. -

Effective condition of brake. -

Change in amount of oil and qualities such as engine transmission transfers (4WD car) and Def. (Because water mixes when becoming cloudy, the exchange of oil is necessary. )-

Lubrication is defective in the propeller shaft (4WD car) and each bear and collaborate each.

# Handling at the cold

## Preparation and check before winter

### ● Exchange the engine oil.

Exchange it for the engine oil corresponding to the outside temperature. (Refer to "Specified engine oil" for P.452. )

### ● Adjust the density of the washer liquid.

Dilute referring to the frozen temperature displayed in the bought washer liquid container to prevent the washer liquid being frozen and replenish it.

### ● Adjust the density of cooling water.

Adjust the density of cooling water to prevent cooling water being frozen.

Use region	Dilution ratio	Frozen guarantee temperature
The element	30%	- 12.
ground cold ground	50%	- 35.



注意

Use neither alcohol system antifreeze nor a fresh water alone.

### ● Check liquid measure and the specific gravity of the battery.

The performance of the battery might decrease when the temperature falls, and it interfere to the engine start. Liquid measure and the specific gravity of the battery are checked, and replenish of the liquid and charge it if necessary.



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## ● Prepare the tire and the tire chain for winter.

- Refer to "Attention of the tire" of P.75 when fixing a new tire. -

Prepare the tire chain suitable for the size of the tire. -

Use a Toyota pure goods of the wish specification. Consult the Toyota shop in detail.

## ● Prepare the wiper blade for the cold district.

To prevent the snow from adhering, the wiper blade for the cold district used for the snow period has covered a metallic part with rubber. Consult the Toyota shop. -

When high-speed running, it might become difficult to wipe the glass off from a usual wiper blade. Reduce velocity in that case. -

The wiper blade for the cold district must be needed and Toki must use a usual wiper blade.

## Before it drives

### ● The snow that piles in the roof

The snow that dropped on the glass side when running becomes an obstruction of view.  
Remove before it runs.

### ● The snow and the frost that attaches to the glass

Drop the snow and frost in the inside and outside of the glass and secure view.  
It is possible to drop without damaging the glass when the defroster is used.



注意

Do not divide beating to remove the ice that attaches to the reception desk window glass. The inside of the reception desk window glass (inside of the car) might crack.

### ● The lump of ice that attaches to the underside etc.

Remove so as not to damage the body etc.

### ● The snow that piles in the air intake

Operate the fan of the air conditioner after removing the snow that piles in the air intake at the front of the reception desk window.  
The fan might break down, and the glass become cloudy when operating with the snow piles.

### ● When the wiper etc. freeze

Do not move it forcibly when the wiper door mirror door glass etc. freeze and it doesn't move.  
When it keeps pushing the switch, might it be possible ..device.. to hurt, and cause the battery rising.



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● When the door freezes



Melt ice sprinkling the hot water. Wipe moisture off enough at once. When forcibly opening it, rubber in the door circumference might peel off, and it damage it.

● Often drop the snow stained to shoes.



When pedals are operated, it slips, the indoor moisture might increase, the glass become cloudy, and it freeze.

## When you run

### ☾ It doesn't operate it ..attaching of rapid " " on a slippery road...

A jack rabbit start, a rapid steering wheel, and a rapid brake, etc. do unexpected movement by the vehicle and might cause the accident. Start slowly, take the distance between two cars enough at the speed of incommunicative, and run.

Decelerate beforehand in a frozen place such as on the bridge and shade, and run carefully.

#### 17-inch wheel installation car

215/50R17 91V tire values the grip performance when running in general and is made. The grip performance decreases on the snowfall road and the frozen road compared with a general tire. Install the tire or the tire chain for winter without fail on the snowfall road and the frozen road, and drive the speed with unassuming modesty. Drive the grip performance of the rear wheel more carefully to be low even if you install the tire chain in the front wheel.



An engine brake by the improvement shift down of the shift and a rapid change in the engine rotational speed might cause an unexpected accident by sideslipping by the car and are dangerous.

### ☾ The ice that attaches to the other side of the fender

It influences running, and remove before sometimes confirming, and growing the lump of ice.

### ☾ The ice that attaches to the brake equipment

Working of the brake might become bad. Confirm the effective condition of the brake stepping on the brake pedal sometimes lightly.

### ☾ The slipping stop : ahead of time.

Install the tire for the tire chain or winter ahead of time on the frozen road at the snowfall. Refer to "Attention of the tire" of P.75 when fixing a new tire.



Run by the correct air pressure suitable for the tire when the tire for winter is installed. Moreover, avoid the high speed operation for safety when you install the tire for winter.



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## Tire chain

- Install the tire chain in the first wheel. -

Follow the tire chain the method of handling the tire chain and follow the manual of the attachment. -

The tire chain must use the one suitable for the size of the tire. -

Use a Toyota pure goods of the wish specification. Consult the Toyota shop in detail.

- Before installing the tire chain

Well, and move to and a flat place in which it can work safely, and put the parking brake of traffic firmly. Do the preparation work by the following procedures.

procedure .

**1** Stop the engine.

The gear-shift 継 Stop the mother-of-pearl and the engine.

**2** It informs of the existence of the car.

The emergency blinking light is blinked, and sell the person and luggage wholesale, and use the triangle reflector (Or, stop display light) if necessary.

**3** Prepare the tool.

The jack jack steering wheel steel wheel installation car prepares the wheel nut wrench. (Refer to "Storage place of the jack, the tool, and the spare tire" for P.458. )

**4** Prepare the tire chain.

## 5 Prepare the trig.

When the tire chain is installed, the trig is necessary. -  
Consult the Toyota shop about the trig. -

It is possible to substitute it by the stone etc. of the size in which the tire can be fixed when there is no trig.

## 6 The steel wheel installation car removes the hubcap.

Refer to "Method of the tire exchange" for P.471.



### Drive carefully when you install the tire chain.

- Run below the speed limit of about 30 km/h or less or the chain manufacturer recommendation when you install the tire chain. Moreover, run carefully to influence running. -
- When the tire chain is installed and you run, do not operate the brake by which the projection and the hole are got over, and locked by a rapid steering wheel and the wheel. The vehicle does unexpected movement and it might cause the accident.
- Moreover, the slip distance for brake might become long when ABS operates, and drive carefully.



### Note that neither the wheel nor the hubcap are damaged when you install the tire chain.

- The steel wheel installation car must install the tire chain after removing the hubcap. When the tire chain is installed with the hubcap applied, the hubcap might be damaged. -
- When the aluminum foil installation car installs the tire chain in the aluminum foil, the wheel might be damaged. -
- It lies to the body side if the tire chains other than a Toyota pure goods are used and the adverse effect might be caused for running. Consult the Toyota shop in detail.



## When parking

### Do not leave starting up an engine.

Do not leave starting up an engine when you park at the place and the snow of piling of the snow.



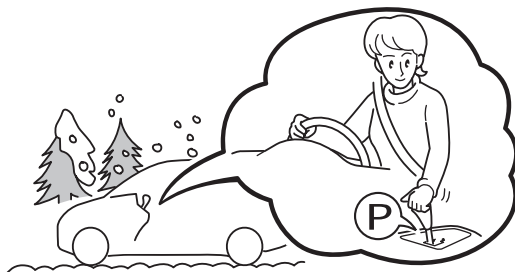
The vehicle exhaust emission invades in the car, it becomes CO intoxication if the snow piles in the circumference of the car while started up an engine, and it reaches important injury or, in the worst case, it is likely to lead to the death.

### Do not put the parking brake.

The parking brake might not be able to be released by the brake equipment's freezing when the parking brake is put at the cold.

- When parking to the level place

The gear-shift without putting the parking brake 線.



- When unavoidably parking to the slope

Do not do the trig to Gawa of the rear wheel in the front side and the acclivity of the front wheel, do not put the parking brake in the downward slope, and the gear-shift線. -

Consult the Toyota shop about the trig. -

It is possible to substitute it by the stone etc. of the size in which the tire can be fixed when there is no trig.



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## ☾ Turn the bonnet side under the wind.

It becomes a low temperature, and turn as under the wind as possible and park the bonnet side to the part where the wind drives more than the imagination to prevent the battery performance decrease.

## ☾ The wiper arm is setting it up.

The wiper due to the cold is ..glass.. frozen at the snow. Set up and park the wiper arm.