

## **The NISSAN GT-R, introducing you to a new genre of supercars**

The legend of the GT-R began in May of 1964 in Japan when the affectionately termed "boxy" Skyline passed a Porsche 904 at a hairpin curve on the Suzuka Circuit.

The GT-R legend continued on the Japanese racing circuits and in the sports car world when the GT-R was equipped with a powerful engine and state-of-the-art all-wheel drive system in August of 1989.

A new legend is in the making for the 21st century. The "NISSAN GT-R" is now available worldwide.

During development, the NISSAN GT-R was taken to the Nurburgring in Germany, a racetrack used for performance evaluation benchmarking of supercars. While being driven by a professional driver, the GT-R set a record time of 7 minutes 38 seconds even though the road surface of the most difficult high-speed corner, the "kesselchen" was wet. The GT-R also handled an endurance test totaling approximately 3,000 miles (5,000 km), setting the world's fastest continuous driving lap time of 7 minutes 55 seconds. Additionally, to make sure the GT-R performs off the track as well as it does on the track, the vehicle was designed to perform on many types of roads from a scorching freeway to snow swept country roads.

A new legend is born.



## Foreword

Welcome to the growing family of new NISSAN owners. This vehicle is delivered to you with confidence. It was produced using the latest techniques and strict quality control.

This manual was prepared to help you understand the operation and maintenance of your vehicle so that you may enjoy many miles (kilometers) of driving pleasure. Please read through this manual before operating your vehicle.

**A separate Warranty Information Booklet contains the warranties covering your vehicle (whose terms have control over this Owner's Manual or any other document or representation regarding warranty coverage). The "NISSAN Service and Maintenance Guide" explains details about maintaining and servicing your vehicle.**

**Additionally, a separate Customer Care/ Lemon Law Booklet (U.S. only) will explain how to resolve any concerns you may have with your vehicle, as well as clarify your rights under your state's lemon law.**

**Your NISSAN dealership knows your vehicle best. When you require any service or have any questions, they will be glad to assist you with the extensive resources available to them.**

## READ FIRST — THEN DRIVE SAFELY

Before driving your vehicle, please read this Owner's Manual carefully. This will ensure familiarity with controls and maintenance requirements, assisting you in the safe operation of your vehicle.

### WARNING

#### IMPORTANT SAFETY INFORMATION REMINDERS FOR SAFETY!

Follow these important driving rules to help ensure a safe and comfortable trip for you and your passengers!

- **NEVER** drive under the influence of alcohol or drugs.
- **ALWAYS** observe posted speed limits and never drive too fast for conditions.
- **ALWAYS** give your full attention to driving and avoid using vehicle features or taking other actions that could distract you.
- **ALWAYS** use your seat belts and appropriate child restraint systems. Pre-teen children should be seated in the rear seat.
- **ALWAYS** provide information about the proper use of vehicle safety

**features to all occupants of the vehicle.**

- **ALWAYS** review this Owner's Manual for important safety information.

## MODIFICATION OF YOUR VEHICLE

**This vehicle should not be modified. Modification could affect its performance, safety or durability, and may even violate governmental regulations. See the 2009 Nissan GT-R Warranty Information Booklet for details including applicable exclusions.**

## WHEN READING THE MANUAL

**This manual includes information for all options available on this model. Therefore, you may find some information that does not apply to your vehicle.**

All information, specifications and illustrations in this manual are those in effect at the time of printing. NISSAN reserves the right to change specifications or design at any time without notice.

## IMPORTANT INFORMATION ABOUT THIS MANUAL

You will see various symbols in this manual. They are used in the following ways:

### WARNING

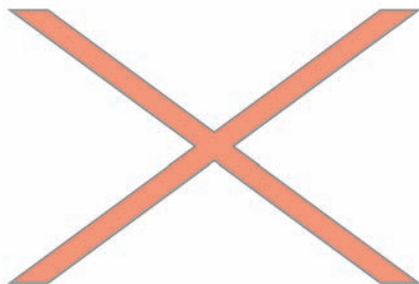
This is used to indicate a hazard that could cause death or serious personal injury. To avoid or reduce the risk, follow the information and instructions exactly.

### CAUTION

This is used to indicate a hazard that could cause minor or moderate personal injury. To avoid or reduce the risk, follow the information and instructions carefully.

### NOTICE

This is used to indicate a hazard that could cause damage to property or your vehicle. To avoid or reduce the risk, follow the information and instructions.



If you see the symbol above, it means “Do not do this” or “Do not let this happen”.



If you see a symbol similar to those above in an illustration, it means the arrow points to the front of the vehicle.



Arrows in an illustration that are similar to those above indicate movement or action.



Arrows in an illustration that are similar to those above call attention to an item in the illustration.



This indicates the title and reference page.

## CALIFORNIA PROPOSITION 65 WARNING

### WARNING

Engine Exhaust, some of its constituents, and certain vehicle components contain or emit chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. In addition, certain fluids contained in vehicles and certain products of component wear contain or emit chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

## CALIFORNIA PERCHLORATE ADVISORY

Some vehicle parts, such as lithium batteries, may contain perchlorate material. The following advisory is provided: “Perchlorate Material - special handling may apply, See [www.dtsc.ca.gov/hazardouswaste/perchlorate](http://www.dtsc.ca.gov/hazardouswaste/perchlorate).”

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## **NISSAN CUSTOMER CARE PROGRAM**

### **NISSAN CARES ...**

Both NISSAN and your GT-R certified NISSAN dealer are dedicated to serving all your automotive needs. Your satisfaction with your vehicle and your GT-R certified NISSAN dealer are our primary concerns. Your GT-R certified NISSAN dealer is always available to assist you with all your automobile sales and service needs.

However, if there is something that your GT-R certified NISSAN dealer cannot assist you with or you would like to provide NISSAN directly with comments or questions, please contact the NISSAN Consumer Affairs Department using our toll-free number:

**For U.S. customers**

**1-866-668-1GTR**

**(1-866-668-1487)**

**For Canadian customers**

**1-800-387-0122**

The Consumer Affairs Department will ask for the following information:

- Your name, address, and telephone number
- Vehicle identification number (attached to the top of the instrument panel on the driver's side)
- Date of purchase
- Current odometer reading
- Your NISSAN dealer's name
- Your comments or questions

OR

You can write to NISSAN with the information on the left at:

**For U.S. customers**

**NISSAN North America, Inc.  
Consumer Affairs Department  
P.O. Box 685003  
Franklin, TN 37068-5003**

**For Canadian customers**

**NISSAN Canada Inc.  
5290 Orbitor Drive  
Mississauga, Ontario L4W 4Z5**

We appreciate your interest in NISSAN and thank you for buying a quality NISSAN vehicle.

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# GT-R Overview

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## GT-R SPECIFIC INFORMATION

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The GT-R is NISSAN's first supercar category vehicle. The GT-R is equipped with special systems. These systems are different than those used on conventional vehicles to allow for the high performance driving characteristics of this vehicle. Your vehicle should be maintained by a GT-R certified NISSAN dealer. Special skills, knowledge and equipment are necessary to properly maintain your GT-R.

## WARRANTY INFORMATION

Please read this OM carefully, together with your Warranty Information Booklet which describes a number of express limitations and exclusions for failure to follow the instructions contained in this OM, including, but not limited to:

- Failure to use proper parts, fuel and fluids,
- Driving with the VDC off,
- Racing,
- Modifications, including reprogramming or replacing/adding chips in any on-board computer,
- Failure to have required Performance Optimization Services performed.

In addition, see your Dunlop/Goodyear and Bridgestone tire warranties for specific limitations or exclusions for operating summer tires below -4°F (-20°C).

## MAINTENANCE INFORMATION

- Special skills, knowledge and equipment are necessary to properly inspect and adjust the GT-R engine, transmission, suspension and brakes to maintain performance. A GT-R certified NISSAN dealer has the GT-R certified technical staff and the special equipment to properly maintain your GT-R.
- Many general periodic maintenance items can be performed at all NISSAN dealers. However, make sure the specified fluids and parts are used when the maintenance is performed.

## GT-R SPECIAL SPECIFICATION PARTS

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Only use the following required fluids and parts in the GT-R.

### ENGINE OIL

#### **Mobil 1, 0W-40 (100% synthetic oil)**

Mobil 1, 0W-40 (100% synthetic) is the factory fill oil. The VR38 engine with its plasma-sprayed bores was developed using this oil. NISSAN cannot ensure proper engine operation and durability if other 0W-40 synthetic oil is used. If Mobil 1, 0W-40 is not available, Mobil 1, 10W-40 (100% synthetic) may be used; however, some performance loss may be noticed.

### TRANSMISSION OIL

#### **Genuine NISSAN Transmission Oil R35 Special (100% synthetic oil)**

The GT-R uses a multiple-disc dual wet clutch transmission. The specially developed transmission oil maximizes the friction characteristics of the clutch and the lubrication of the gear bearings. **The use of additives is prohibited.**

### DIFFERENTIAL OIL (front and rear)

#### **Castrol SAF-XJ 75W-140 (100% synthetic oil)**

The GT-R uses a 1.5-Way mechanical Limited Slip Differential (LSD) to maximize driving power under many operating conditions. Use the specified differential oil to maximize the perfor-

mance of the LSD. Also use the same oil for the front differential. **The use of additives is prohibited.**

## **BRAKE FLUID**

### **Genuine NISSAN Brake Fluid R35 Special DOT4**

Genuine NISSAN Brake Fluid R35 Special DOT4 is the factory fill brake fluid. The Vehicle Dynamic Control (VDC) unit and other related parts were specially designed for this brake fluid. NISSAN cannot ensure the best performance and proper operation of the vehicle if other brake fluid is used.

## **TIRES AND ROAD WHEELS**

### **Genuine GT-R tires and road wheels or equivalent**

Use only genuine GT-R tires and road wheels or equivalent. Proper use of NISSAN recommended tires provides the greatest potential for maximum performance.

- Genuine GT-R tires and road wheels or an equivalent help achieve maximum cornering performance.
- Genuine GT-R tires and road wheels or an equivalent help provide road holding in the event of decreasing tire pressure and punctures.

- Genuine GT-R tires and road wheels or an equivalent help prevent the decrease of straight-running stability caused by uneven tire wear due to high rigidity wheels and wide tires.

## **BRAKE PAD AND DISC ROTOR**

### **Genuine GT-R brake pads and disc rotors**

This vehicle is equipped with a high performance braking system and includes cross-drilled floating rotors and radial-mounted six-piston monoblock calipers. This helps to achieve excellent stopping performance and fade-resistance. Replace all four sets of brake pads and disc rotors at the same time to maintain maximum brake performance.

## **EXHAUST MUFFLER**

### **Use only the special GT-R muffler and trunk carpet.**

Never use parts other than genuine NISSAN parts.

The GT-R has high exhaust gas temperatures. If non-GT-R specification parts are used, it is possible that the muffler will deform and cause damage to the underbody. Also do not remove the trunk carpet from the vehicle for any reason. The carpet insulates the vehicle interior from the heat of the muffler and from the noise of the transmission.

## **EXTERIOR PARTS (spoiler, etc.)**

### **Do not modify exterior parts.**

The GT-R was developed using a special wind tunnel to help make sure the vehicle is aerodynamically balanced. Additionally, the wind tunnel was used to help make sure cool air flows to the brakes, radiator and other components. Additions of non-GT-R specific accessory exterior parts can change the air flow over and around the body. This can affect vehicle balance and cooling of various systems.

For example, if the front bumper is modified, there is a possibility that brake performance may be reduced due to the decrease of the air flow to the brake system.

## GT-R PERFORMANCE OPTIMIZATION SERVICES

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In addition to the regular maintenance recommended by NISSAN, the GT-R requires the following special inspections:

- Wheel alignment inspection and adjustment (if necessary) (including tire pressure adjustment)
- Engine settings (balancing right and left air flow)
- Transmission settings

These inspections are required at the following intervals:

- 1,000 miles
- 12 months
- 24 months
- 36 months

### NOTE:

- **These inspections will be performed free of charge for labor at a GT-R certified NISSAN dealer only. Inspections thereafter are recommended every 12 months or 12,000 miles (whichever comes first) at the customer's expense. See the 2009 NISSAN GT-R Warranty Information Booklet for details.**
- **Repairs and adjustments involving**

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**parts replacement, etc. determined to be necessary as a result of these inspections are performed at the customer's expense.**

- **See the 2009 NISSAN GT-R Warranty Information Booklet for significant limitations, exclusions and possible voiding of your warranty resulting from failure to have these necessary inspections, repairs and/or adjustments performed.**
- **See the 2009 NISSAN GT-R Service and Maintenance Guide for a detailed explanation of the GT-R Performance Optimization services.**

### WHEEL ALIGNMENT INSPECTION AND ADJUSTMENT (if necessary) (including tire pressure adjustment)

This vehicle is equipped with a high performance suspension. The vehicle's wheel alignment needs to be measured and adjusted (if necessary) by a GT-R certified NISSAN dealer as necessary as the vehicle is driven and the suspension parts break-in.

### ENGINE SETTINGS (balancing right and left air flow)

Each cylinder bank of this engine operates independently due to the vehicle's twin turbo-charger design. Each side of the engine must operate at the same level of performance. The power output of each bank must be checked and adjusted as necessary by a GT-R certified NISSAN dealer.

### TRANSMISSION SETTINGS

The design of the clutch and transmission requires inspection and adjustment of the clutch and shift forks by a GT-R certified NISSAN dealer at the recommended intervals. Depending on the driving conditions, more frequent adjustments may be necessary to help maximize vehicle performance.

## **PRECAUTIONS BEFORE DRIVING**

### **VEHICLE DYNAMIC CONTROL (VDC) OFF MODE**

Make sure VDC is on before driving the vehicle. The VDC OFF mode should only be used to help free a vehicle stuck in mud or snow by temporarily stopping VDC operation and keeping torque on wheels.

### **SUMMER TIRES**

The GT-R summer tires are made from a specially formulated rubber to maximize the vehicle's performance capabilities. Performance of summer tires is substantially reduced when temperatures are less than 32°F (0°C) so you must drive carefully. NISSAN recommends the use of winter or all-season tires on all four wheels if you plan to operate your vehicle in snowy or icy conditions when temperatures are less than 32°F (0°C).

#### **WARNING**

**Never use summer tires when the temperature is below -4°F (-20°C) to prevent permanent tread deformation which may cause tire damage or tire failure. This may cause a loss of vehicle control which can result in serious personal injury or death.**

### **ALL-SEASON TIRES**

Do not exceed the speed rating of the tire that is installed on the vehicle.

## **BODY REPAIR**

The body of the GT-R has been manufactured on special fixtures utilizing a hybrid structure with aluminum die cast parts for the frame work. Special skills, information and equipment are required to correctly repair the body. Contact a GT-R certified NISSAN dealer if the vehicle is damaged, such as in a collision, and they will recommend an appropriate body shop.

Only certified body shops using CELETTE® advanced collision repair equipment are approved by NISSAN for repairing structural body damage. Contact a GT-R certified NISSAN dealer or NISSAN Consumer Affairs for a referral or list of certified body shops.

## **ADDITIONAL MAINTENANCE ITEMS**

The following information applies if you engage in performance driving such as driving your GT-R for extended periods under the following conditions.

- Higher-RPM (approaching redline) operation
- Frequent high pedal force braking from moderate and higher speeds
- Frequent throttle activation
- Fast revving throughout the RPM range

In such cases, the following additional maintenance guidelines apply.

**However, you should also carefully read your 2009 NISSAN GT-R Warranty Information Booklet for important information concerning warranty coverage, limitations and exclusions.**

We recommend that maintenance be performed at a GT-R certified NISSAN dealer. NISSAN will only pay for GT-R Performance Optimization Services performed at a GT-R certified NISSAN dealer.

### **FLUIDS**

- Before driving, check the fluid levels and adjust as necessary using the specified fluid.
- Check the amount of fluid for the power

steering.


- Be sure to change the fluids listed below with the specified fluids every 1,800 miles (3,000 km).

| ITEMS                             | GT-R SPECIFIED FLUIDS                         |
|-----------------------------------|---|
| Engine oil                        | Mobil 1, 0W-40*1                              |
| Transmission oil                  | Genuine NISSAN Transmission Oil R35 Special   |
| Differential oil (front and rear) | Castrol SAF-XJ 75W-140                        |
| Brake fluid                       | Genuine NISSAN Brake Fluid R35 Special DOT4*2 |

\*1: Mobil 1, 0W-40 (100% synthetic) is the factory fill oil. The VR38 engine with its plasma-sprayed bores was developed using this oil. NISSAN cannot ensure proper engine operation and durability if other 0W-40 synthetic oil is used. If Mobil 1, 0W-40 is not available, Mobil 1, 10W-40 (100% synthetic) may be used; however, some performance loss may be noticed.

\*2: Genuine NISSAN Brake Fluid R35 Special DOT4 is the factory fill brake fluid. The Vehicle Dynamic Control (VDC) unit and other related parts were specially designed for this brake fluid and NISSAN cannot ensure the best performance and proper operation of the vehicle if other brake fluid is used.

## **INSPECTION AND ADJUSTMENTS OF TIRES, SUSPENSION AND BRAKES**

- Measure and adjust the wheel alignment.
- Check the tire pressure and the Tire Pressure Monitoring System (TPMS) sensor.
- Make tire pressure adjustments only when the tires are cool. (  "WHEELS AND TIRES" page 8-29)
- Secure road wheel balance weights with aluminum tape or equivalent.
- Check the heat deterioration and wear of the brakes. (As necessary, the brake pad and the brake disc rotor must be replaced as a set of four with new ones.)

### **REPLENISHING COOLANT**

Check the coolant level in the pressurized coolant reservoir. Adjust the level so that the fluid is between the MAX and MIN markings. For the coolant, use genuine NISSAN Long Life coolant. (On delivery of new vehicle, the reservoir is filled to the MIN level. Be sure to replenish approximately 0.3 to 0.4 US quart (0.3 to 0.4 liter) of coolant.)

## GT-R SPECIFIC VEHICLE CHARACTERISTICS

### REFUELING PRECAUTIONS

#### WARNING

**Do not attempt to top off the fuel tank after the fuel pump nozzle shuts off automatically. Continued refueling may cause fuel overflow, resulting in fuel spray and possibly a fire. The fuel tank is full at the first automatic shutoff.**

To maximize vehicle performance, the fuel tank is located as low as possible to lower the vehicle center of gravity. The tank is also divided into two parts. This fuel tank design causes higher pressures inside the tank than other vehicles so fuel spillage is possible by trying to top off the fuel tank after automatic shutoff.

#### REFUELING STOPS BEFORE THE TANK IS FULL

The fuel tank pressure is higher when the vehicle is hot. If the vehicle is refueled when the vehicle is hot, the fuel pump may automatically shut off before the tank is full. This does not indicate that there is a malfunction. This will not happen after the vehicle has cooled.

#### GASOLINE SMELL

The fuel temperature is higher when the vehicle is hot. This may cause a gasoline smell from the vehicle. This does not indicate that there is a

malfunction. The smell will go away when the fuel temperature has cooled.

#### OUTSIDE TEMPERATURE DISPLAY INDICATES HIGHER TEMPERATURE

Heat from the engine compartment, radiator and intercoolers can affect the outside temperature display. The outside temperature display may indicate a higher than actual temperature while driving or stopped. This is normal.

#### IDLE SPEED IS NOT STEADY

The idle speed may not be steady when the engine compartment is extremely hot. This is normal. The engine speed will be steady when the engine cools down.

In this case, the Malfunction Indicator Light (MIL) may come on. After a few driving trips, the MIL should turn off. If the light remains on after a few driving trips, have the vehicle inspected by a GT-R certified NISSAN dealer.

#### ENGINE SPEED IS RESTRICTED

To help protect the engine, the maximum engine speed is automatically controlled in the following conditions:

- Revving the engine with the shift lever in the **P** or **N** position: The maximum engine speed is 5,000 RPM
- Revving the engine when the engine coolant

### COOLANT MIXTURE RATIO

For maximum cooling system performance, the coolant mixture ratio should be the combination of 30% antifreeze and 70% demineralized or distilled water.

If ambient temperatures are anticipated below 5°F (-15°C), make sure a proper mixture ratio of 50% antifreeze and 50% demineralized or distilled water mix is used.

### COOL DOWN

Cool down the vehicle to help extend the life of the vehicle if coolant temperatures are extremely high. Drive the vehicle at 37 to 50 MPH (60 to 80 km/h), in 5th or 6th gear for 2 to 3 miles (3 to 5 km) and then stop the engine.

or oil is at a low or extremely high temperature: The maximum engine speed is 4,000 RPM

## **DISTORTION OF REAR WING**

When the vehicle is parked in direct sunlight on a hot day, the center of the rear wing may become distorted. This is normal. When the surface temperature of the rear wing is reduced, the shape of the wing should return to normal.

## **UNEVEN WEAR OF TIRES**

The NISSAN GT-R is equipped with high performance, low profile, run-flat tires that are optimized for performance and handling. The life of these tires will be less than those of tires installed on a typical vehicle, and you are likely to experience uneven tire wear and tire noise regardless of the type of tire used.

## **NOISES ARE HEARD WHILE DRIVING**

- The GT-R brake pads use material that provides a high amount of braking power even in high temperatures. This material can cause an intermittent screeching noise when the brakes are applied. The noise decreases as the brake pads wear.

- A screeching noise may be heard when the brake pedal is depressed:

- When driving the vehicle for the first time in the morning,
- After leaving the vehicle parked for extended periods of time, or
- When the vehicle is damp following rain showers or washing the vehicle.

These sounds are normal. The noise is caused when the brake pads absorb moisture, and the noise stops after the brake is applied several times.

- A screeching noise may also be heard when the brake pedal is depressed:

- When repeatedly applying gentle braking, especially on a curve at a low speed, or
- When the brake rotors have circular scores with the brake temperature high.

- To maintain steady braking performance in both extremely high and low temperatures, the gap between the brake pad and caliper is larger than normal and large-size brake pads are used. When driving over a bump, a light rattling sound may be heard from the brake pad. This does not indicate that there is a malfunction.

- When the brake disc rotor undergoes thermal expansion, a rumbling noise may be heard from the engaging portion of the wheel and the brake disc rotor. This does not indicate that there is a malfunction. The noise will cease when the temperature decreases.

- In addition to noise resulting from uneven tire wear discussed in the previous section, the GT-R tires are more rigid than a typical passenger car tire and are made from a specially formulated rubber to maximize the vehicle's performance capabilities. These characteristics cause the GT-R tires to have more road noise than a typical passenger car tire. This road noise is normal.

- Due to the performance capabilities and requirements of the GT-R, the sequential 6-speed dual clutch transmission is unlike a typical automatic transmission. You will likely hear mechanical sounds from the transmission, particularly at slow speeds and at idle. This condition is normal.

## BRAKE DUST

This vehicle is equipped with high performance brakes, and the characteristics of the brake pad material may cause more brake dust than other vehicles. NISSAN recommends a wheel coating that helps prevent the brake dust from sticking to the wheels. Contact a GT-R certified NISSAN dealer for more details.

## MECHANICAL LIMITED SLIP DIFFERENTIAL (LSD) CHARACTERISTICS

The differential oil has a high viscosity and is very thick when cold. If the vehicle accelerates from a stop with the steering wheel turned in cold temperatures, the inner wheel tire may slip and some noise or vibration may be heard. This phenomenon is unique to vehicles equipped with the Limited Slip Differential (LSD). When the steering wheel is returned to the straight-ahead position or the differential oil warms up, the noise and vibration decrease.

## DUAL CLUTCH TRANSMISSION

The GT-R dual clutch transmission is a newly-developed system that uses an electronically controlled multiple-disc wet clutch attached to the highly efficient manual transmission. This transmission has two driving modes.

- **A** position (Automatic gearshift): allows automatic shifting of the manual transmission.
- **M** position (Manual gearshift): allows quick shifting of the manual transmission.

### NOTE:

- **M** position driving is recommended when driving up hills or accelerating from a stop on a cold morning.
- **M** position driving is recommended if you feel shift shocks or jerkiness in the **A** position in cold temperatures.
- When starting or driving on a steep uphill grade, shift to the **M** position and operate the paddle shifter to shift down to 1st gear similar to a manual transmission vehicle.

The GT-R dual clutch transmission was developed specifically to maximize vehicle performance and driving enjoyment. The GT-R transmission components were designed using different engineering standards than typical

passenger car transmissions. Because of this, the GT-R has different operating characteristics, and various rattle noises may be heard during some driving conditions because of the following items:

- Gear clearances
- Ultralight flywheel
- Dry sump lubrication

These noises do not indicate that there is a malfunction.

## TRANSMISSION OPERATION CHARACTERISTICS

| Mechanism                       | Operation characteristics   |
|---------------------------------|---|
| Base Manual transmission        | <ul style="list-style-type: none"> <li>● When the temperature of the transmission is high, the decreased friction from idling and driving at low speeds can cause rattling, shaking and jarring noises. When the temperature of the transmission decreases, the noise will lessen.</li> <li>● Clattering noises may be heard while shifting.</li> </ul>   |
| Multiple disc wet clutch        | <ul style="list-style-type: none"> <li>● When stopping the vehicle with the shift lever in the <b>R</b> or <b>A↔M</b> position, be sure to firmly depress the brake pedal. The vehicle may slowly move if the brake pedal is not depressed.</li> <li>● Never depress the brake and accelerator pedals at the same time. Depressing the brake and accelerator pedals at the same time could cause:               <ul style="list-style-type: none"> <li>— The engine to stall</li> <li>— The clutch to overheat</li> <li>— Transmission damage</li> </ul> </li> <li>● To prevent stalling or transmission damage, start in first gear. The <b>M</b> position second gear can be used to start moving the vehicle only when reduced torque is necessary on snowy roads or extremely slippery surfaces.</li> <li>● When the vehicle is stopped on a hill, do not hold the vehicle in place by depressing the accelerator pedal. Doing so may cause the clutch to overheat and result in transmission damage. Use the brakes to prevent the vehicle from moving.</li> </ul> |
| Electronic oil pressure control | <p>The following conditions are caused due to changes in fluid viscosity as a result of temperature changes.</p> <ul style="list-style-type: none"> <li>● When the transmission fluid is extremely cold or extremely hot, the transmission may feel like it is slipping during shifts or there may be hard shifts. This is normal. Transmission shifting should return to normal when the transmission fluid returns to normal operating temperatures.</li> <li>● When the transmission fluid temperature is extremely cold, the time required to run a system check may increase. During the system check, the shift lever must stay in the <b>P</b> position. Move the shift lever after turning off the system check display. Also, it is normal to hear clicking noises during the transmission systems check.</li> </ul>   |
| Changing modes                  | <ul style="list-style-type: none"> <li>● The higher shift speeds in the <b>M</b> position may result in shift shock and jerkiness when starting or shifting.</li> <li>● Quick shifting in the R mode with the transmission in the <b>M</b> position is available when the engine speed is high. However, the transmission may shift more slowly when the engine speed is low.</li> </ul>  |
| Gear clearances                 | <p>Appropriate gaps are provided between gears to achieve smooth gear rotation and steady tooth surface lubrication under the high-load driving condition. However, this causes a rattling noise.</p>   |

| <b>Mechanism</b>     | <b>Operation characteristics</b>   |
|----------------------|--|
| Ultralight flywheel  | <ul style="list-style-type: none"> <li>● An ultralight flywheel is provided to achieve rapid engine response to the accelerator pedal operation and quick shifting response to the paddle shifter operation. These are essential for a supercar. However, you may notice a large rattling noise from gears because engine rotation fluctuations become larger while idling.</li> <li>● Due to changes in engine speed through the operation of the air conditioner, rattling, shaking or jarring noises may be heard when idling or driving at low speeds.</li> <li>● Rattling noises may be heard when the engine is started or stopped.</li> </ul> |
| Dry sump lubrication | <p>High-efficiency dry sump lubrication is provided to achieve low agitation resistance of lubricant oil and allows smooth transmission gear rotation that contribute to obtain a perfect balance between outstanding driving performance and improved environmental performance. However, you may notice some rattling noise due to engine rotation fluctuations.</p>   |

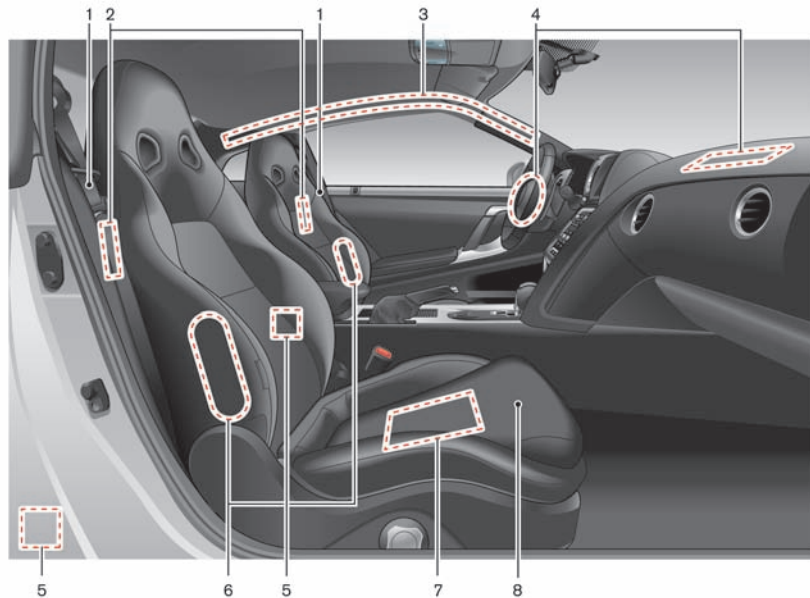
## MEMO

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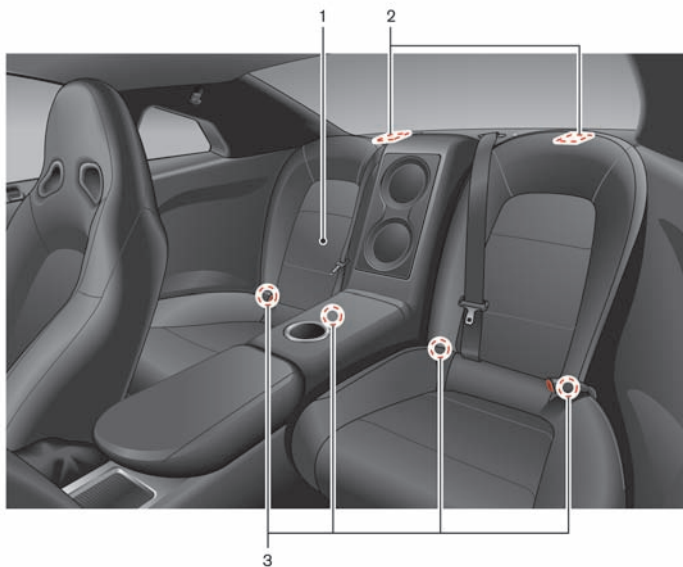
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## SEATS, SEAT BELTS AND SUPPLEMENTAL RESTRAINT SYSTEM (SRS)



### FRONT

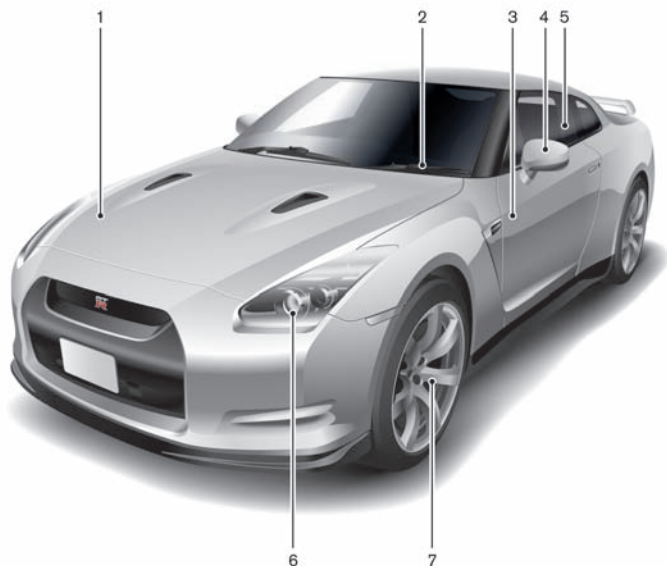
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## FRONT

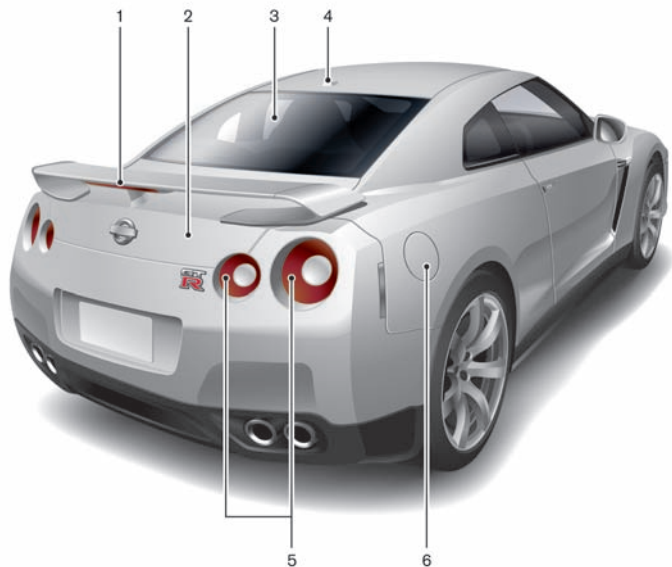
1. Hood (P.3-17)
2. Windshield wiper and washer (P.2-45, P.8-19)
3. Doors (P.3-2, P.3-4, P.3-8)
4. Outside mirrors (P.3-27)
5. Power windows (P.2-56)

6. Headlight and turn signal (P.2-47, P.8-26)
7. Tires and wheels (P.5-3, P.6-2, P.8-29, P.9-7)

| ITEMS              | GT-R SPECIFIED PARTS                                 |
|--------------------|--|
| Road wheel         | Genuine road wheel or an equivalent specific to GT-R |
| Tire*1             | Genuine tire or an equivalent specific to GT-R       |
| Brake pad*2        | Genuine brake pad specific to GT-R                   |
| Brake disc rotor*2 | Genuine brake disc rotor specific to GT-R            |

\*1: When tire replacement is required, replacing tires as a set of four with new tires is recommended. However, if a tire is punctured or damaged, it may be possible to replace only the damaged tire. Determining whether one tire or a complete set of tires should be replaced is based on a number of factors including tire wear and condition. Contact your GT-R certified NISSAN dealer. They can recommend if an individual tire or a complete set should be replaced.

\*2: The brake pad and the brake disc rotor must be replaced as a set of four with new ones.



## REAR

1. High-mounted stop light (P.8-26)
2. Trunk (P.3-8, P.3-19)
3. Rear window defroster (P.2-46)
4. Satellite antenna\*
5. Rear combination light (P.8-26)

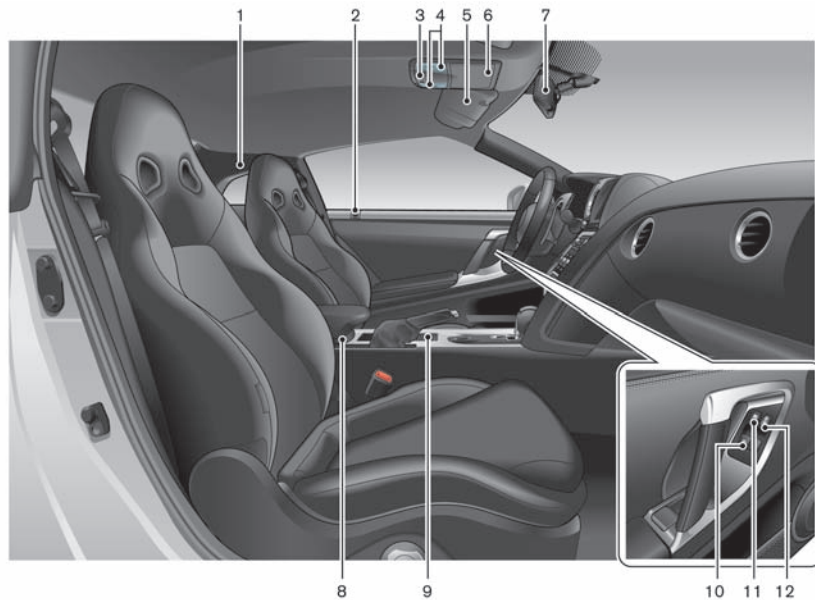
6. Fuel-filler door (P.3-22, P.9-3)

\*: Refer to the separate Multi Function Display Owner's Manual.

| ITEMS | GT-R SPECIFIED FUEL  |
|-------|--|
| Fuel  | Unleaded premium gasoline with an octane rating of at least 93 AKI (Anti-Knock Index) number (Research octane number 98)*1 |

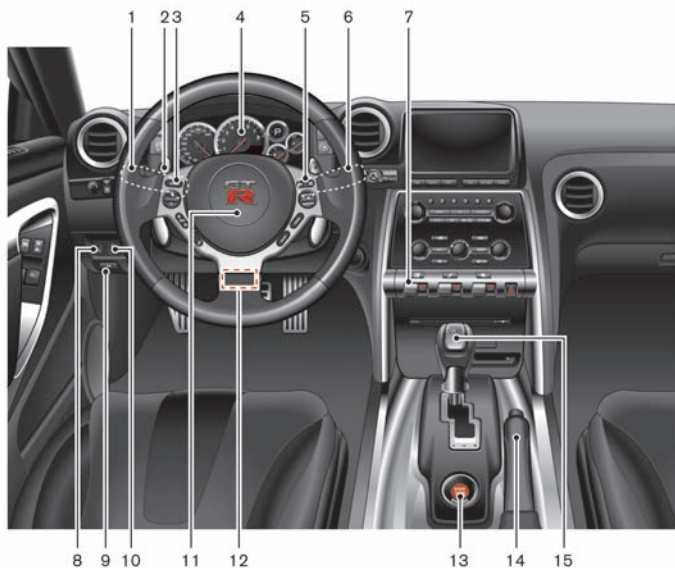
\*1: Use unleaded premium gasoline with an octane rating of at least 93 AKI (Anti-Knock Index) number (Research octane number 98) to maximize vehicle performance. If 93 AKI number (Research octane number 98) premium gasoline is not available, you may use unleaded premium gasoline with an octane rating of at least 91 AKI number (Research octane number 96), but you may notice a decrease in performance.

## **PASSENGER COMPARTMENT**



- |   |  |
|---|--|
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| 5. Sun visors (P.3-26)                    | 11. Window lock button (P.2-57)            |
| 6. Sunglasses holder (P.2-54)             | 12. Power door lock switch (P.3-5)         |

## COCKPIT



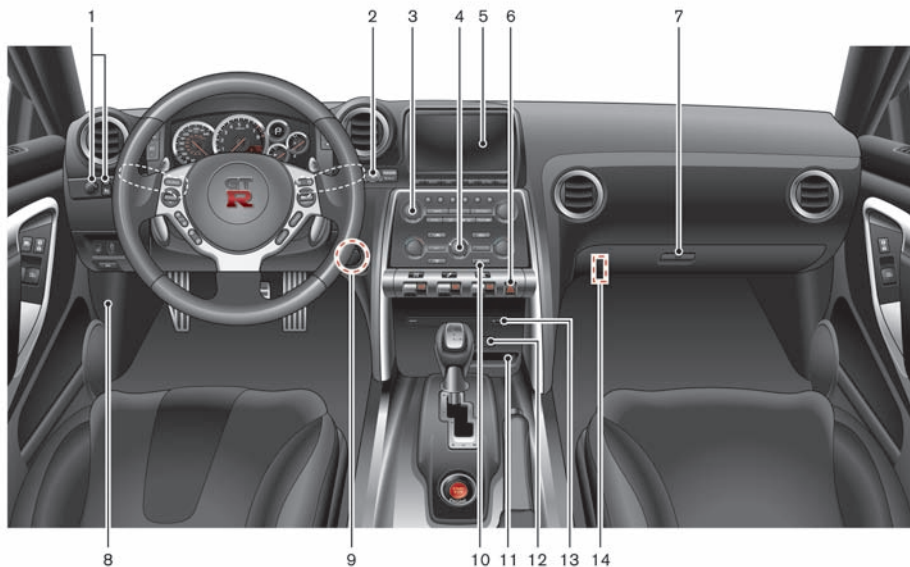
1. Headlight and turn signal switch (P.2-47)
2. Paddle shifters (P.5-13)
3. Steering-wheel-mounted controls (left side)\*
4. Meters and gauges (P.2-4)
5. Steering-wheel-mounted controls (right side)
  - MRK (Mark) switch\*
  - Cruise control (P.5-28)

6. Windshield wiper and washer switch (P.2-45)
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8. Trunk lid release switch (P.3-19)
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15. Shift lever (P.5-13)

\*: Refer to the separate Multi Function Display Owner's Manual.

## INSTRUMENT PANEL



1. Outside mirror control switch (P.3-27)
2. Center dial\*
3. Audio system\*
4. Heater and air conditioner\*
5. Multi function display\*
6. Hazard warning flasher switch (P.2-50)

7. Glove box (P.2-55)
8. Fuse box cover (P.8-22)
9. Power outlet (P.2-52)
10. Rear window defroster switch (P.2-46)
11. CompactFlash card slot\*
12. Front passenger air bag status light (P.1-37)

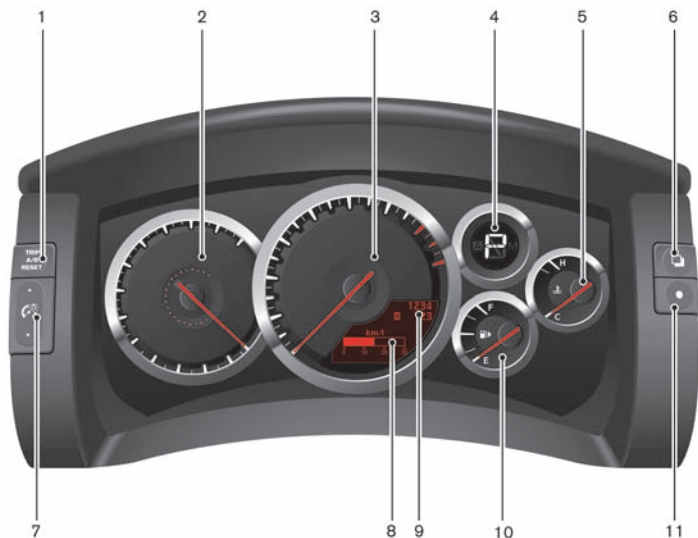
13. Compact Disc slot\*

14. Trunk release power cancel switch (P.3-20)

\*: Refer to the separate Multi Function Display Owner's Manual.

## METERS AND GAUGES

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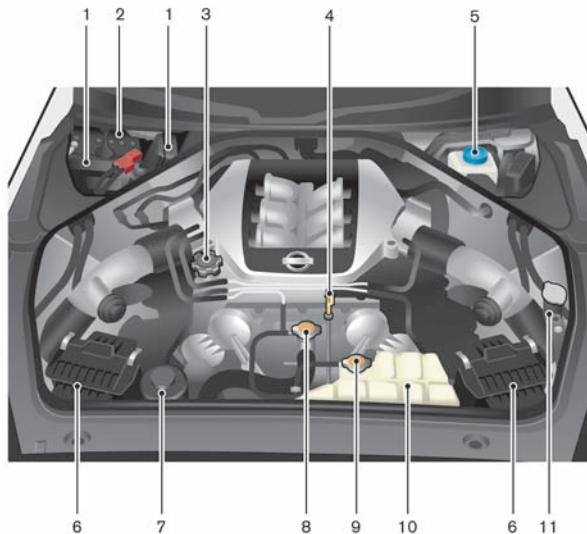
1. Trip A/B reset switch (P.2-5)
2. Speedometer (P.2-5)
3. Tachometer (P.2-6)/Upshift indicator (P.2-8)
4. Transmission position indicator (P.2-7)
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7. Instrument brightness control switch (P.2-10)
8. Vehicle information display (P.2-10)
9. Odometer/twin trip odometer (P.2-5)
10. Fuel gauge (P.2-7)
11. NEXT switch (P.2-13)

### NOTE:

- Meters and gauges will illuminate when the ignition switch is pushed to the ON position.
- The needle indicators may move slightly after the ignition switch is pushed to the OFF position. This does not indicate that there is a malfunction.

## ENGINE COMPARTMENT



1. Fuse/fusible link holder (P.8-22)
2. Battery (P.8-15)
3. Engine oil filler cap (P.8-12)
4. Engine oil dipstick (P.8-12)
5. Brake fluid reservoir (P.8-14)
6. Air cleaner (P.8-19)

7. Power steering fluid reservoir (P.8-13)
8. Radiator filler cap (P.8-9)
9. Coolant reservoir cap (pressure type) (P.8-9)
10. Coolant reservoir (P.8-9)
11. Window washer fluid reservoir (P.8-15)

| ITEMS                             | GT-R SPECIFIED FLUIDS                         |
|-----------------------------------|---|
| Engine oil                        | Mobil 1, 0W-40*1                              |
| Transmission oil                  | Genuine NISSAN Transmission Oil R35 Special   |
| Differential oil (front and rear) | Castrol SAF-XJ 75W-140                        |
| Brake fluid                       | Genuine NISSAN Brake Fluid R35 Special DOT4*2 |

\*1: Mobil 1, 0W-40 (100% synthetic) is the factory fill oil. The VR38 engine with its plasma-sprayed bores was developed using this oil. NISSAN cannot ensure proper engine operation and durability if other 0W-40 synthetic oil is used. If Mobil 1, 0W-40 is not available, Mobil 1, 10W-40 (100% synthetic) may be used; however, some performance loss may be noticed.

\*2: Genuine NISSAN Brake Fluid R35 Special DOT4 is the factory fill brake fluid. The Vehicle Dynamic Control (VDC) unit and other related parts were specially designed for this brake fluid and NISSAN cannot ensure the best performance and proper operation of the vehicle if other brake fluid is used.

**MEMO**

## **MEMO**

# 1 Safety — Seats, seat belts and supplemental restraint system

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## SEATS




Sit upright and well back.

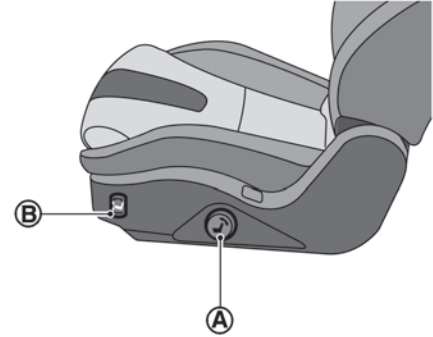


### WARNING

- Do not ride in a moving vehicle when the seatback is reclined. This can be dangerous. The shoulder belt will not be against your body. In an accident, you could be thrown into it and receive neck or other serious injuries. You could also slide under the lap belt and receive serious internal injuries.
- For the most effective protection when the vehicle is in motion, the seat should be upright. Always sit

well back in the seat with both feet on the floor and adjust the seat properly. (  “PRECAUTIONS ON SEAT BELT USAGE” page 1-5)

- After adjustment, gently rock in the seat to make sure it is securely locked.
- Do not leave children unattended inside the vehicle. They could unknowingly activate switches or controls. Unattended children could become involved in serious accidents.








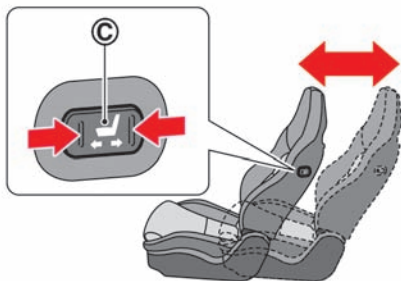
## FRONT SEATS

### Front power seat adjustment

Operating tips

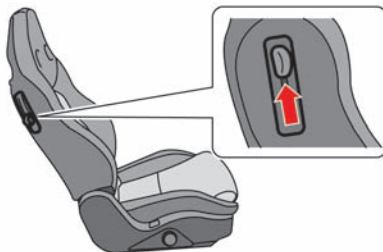
- The power seat motor has an auto-reset overload protection circuit. If the motor stops during operation, wait 30 seconds, then reactivate the switch.
- Do not operate the power seat switch for a long period of time when the engine is off. This will discharge the battery.

| Seat Adjustment      | Switch  | Operation  | Location                             |
|----------------------|---|--|--------------------------------------|
| Forward and backward |  | Move the switch <b>(A)</b> forward or backward until the desired seat position is obtained.  | Driver's and front passenger's seats |
| Reclining            |  | <p>Turn the switch <b>(A)</b> forward and backward until the desired seatback angle is obtained.</p> <p>The reclining feature allows adjustment of the seatback for occupants of different sizes for added comfort and to help obtain proper seat belt fit. (  "PRECAUTIONS ON SEAT BELT USAGE" page 1-5)</p> <p>Also, the seatback can be reclined to allow occupants to rest when the vehicle is stopped and the transmission is in the <b>P</b> position with the parking brake fully applied.</p> |                                      |
| Seat lifter (front)  |  | Push the switch up or down <b>(B)</b> to raise or lower the front portion of the seat.   | Driver's seats                       |
| Seat lifter (rear)   |  | Move the switch <b>(A)</b> up or down to raise or lower the rear portion of the seat.  |                                      |



### Passenger's seat slide:

Pushing the passenger's seat slide switch will slide the passenger's seat forward or backward to the desired position.



### Rear seat walk-in

This feature makes it easier to get in and out of the rear seat. Use the following procedure when getting in and out of the rear seat.

1. Lift up the lever and tilt the seatback forward.
2. Use the seat adjustment switch (A) or the passenger's seat slide switch (C) to slide the seat forward to a position where it will be easier to enter or exit the rear seats. Fold the shoulder belt guide for easier access to the rear seat.
3. To return the seat to its original position, lift up the seatback and use the seat adjust-

ment switch to return the seat to its original position.

### **CAUTION**

- When returning the seat to its original position, confirm that the seat and seatback are locked properly.
- Be careful not to pinch your hand or foot or bump your head when operating the walk-in seat.

### **NOTICE**

**Do not place any objects near the seatback of the front seats. They may be pinched and damaged.**

## SEAT BELTS

### PRECAUTIONS ON SEAT BELT USAGE

If you are wearing your seat belt properly adjusted, and you are sitting upright and well back in your seat with both feet on the floor, your chances of being injured or killed in an accident and/or the severity of injury may be greatly reduced. NISSAN strongly encourages you and all of your passengers to buckle up every time you drive, even if your seating position includes a supplemental air bag.

**Most U.S. states and Canadian provinces or territories specify that seat belts be worn at all times when a vehicle is being driven.**



## **WARNING**

- Every person who drives or rides in this vehicle should use a seat belt at all times. Children should be properly restrained in the rear seat and, if appropriate, in a child restraint.
- The seat belt should be properly adjusted to a snug fit. Failure to do so may reduce the effectiveness of the entire restraint system and increase the chance or severity of injury in an accident. Serious injury or death can occur if the seat belt is not worn properly.
- Always route the shoulder belt over your shoulder and across your chest. Never put the belt behind your back, under your arm or across your neck. The belt should be away from your face and neck, but not falling off your shoulder.
- Position the lap belt as low and snug as possible **AROUND THE HIPS, NOT THE WAIST**. A lap belt worn too high could increase the risk of internal injuries in an accident.

- Be sure the seat belt tongue is securely fastened to the proper buckle.
- Do not wear the seat belt inside out or twisted. Doing so may reduce its effectiveness.
- Do not allow more than one person to use the same seat belt.
- Never carry more people in the vehicle than there are seat belts.
- If the seat belt warning light glows continuously while the ignition is turned ON with all doors closed and all seat belts fastened, it may indicate a malfunction in the system. Have the system checked by a GT-R certified NISSAN dealer.
- No changes should be made to the seat belt system. For example, do not modify the seat belt, add material, or install devices that may change the seat belt routing or tension. Doing so may affect the operation of the seat belt system. Modifying or tampering with the seat belt system may result in serious personal injury.
- Once a seat belt pretensioner has

activated, it cannot be reused and must be replaced together with the retractor. See a GT-R certified NISSAN dealer.

- Removal and installation of the pretensioner system components should be done by a GT-R certified NISSAN dealer.
- All seat belt assemblies, including retractors and attaching hardware, should be inspected after any collision by a GT-R certified NISSAN dealer. NISSAN recommends that all seat belt assemblies in use during a collision be replaced unless the collision was minor and the belts show no damage and continue to operate properly.

Seat belt assemblies not in use during a collision should also be inspected and replaced if either damage or improper operation is noted.

- All child restraints and attaching hardware should be inspected after any collision. Always follow the restraint manufacturer's inspection instructions and replacement re-

commendations. The child restraints should be replaced if they are damaged.



## CHILD SAFETY

**Children need adults to help protect them. They need to be properly restrained.**

In addition to the general information in this manual, child safety information is available from many other sources, including doctors, teachers, government traffic safety offices, and community organizations. Every child is different, so be sure to learn the best way to transport your child.

There are three basic types of child restraint systems:


- Rear facing child restraint
- Front facing child restraint
- Booster seat

The proper restraint depends on the child's size. Generally, infants (up to about 1 year and less than 20 lb (9 kg)) should be placed in rear facing child restraints. Front facing child restraints are available for children who outgrow rear facing child restraints and are at least 1 year old. Booster seats are used to help position a vehicle lap/shoulder belt on a child who can no longer use a front facing child restraint.

### **WARNING**


**Infants and children need special protection. The vehicle's seat belts may not**

**fit them properly. The shoulder belt may come too close to the face or neck. The lap belt may not fit over their small hip bones. In an accident, an improperly fitting seat belt could cause serious or fatal injury. Always use appropriate child restraints.**

All U.S. states and Canadian provinces or territories require the use of approved child restraints for infants and small children. (  "CHILD RESTRAINTS" page 1-13)

Also, there are other types of child restraints available for larger children for additional protection.

**NISSAN recommends that all pre-teens and children be restrained in the rear seat. According to accident statistics, children are safer when properly restrained in the rear seat than in the front seat.**

**This is especially important because your vehicle has a supplemental restraint system (air bag system) for the front passenger. (  "SUPPLEMENTAL RESTRAINT SYSTEM" page 1-31)**

## Infants

Infants up to at least one year old should be placed in a rear facing child restraint. NISSAN recommends that infants be placed in child restraints that comply with Federal Motor Vehicle Safety Standards or Canadian Motor Vehicle Safety Standards. You should choose a child restraint which fits your vehicle and always follow the manufacturer's instructions for installation and use.

## Small children

Children that are over one year old and weigh at least 20 lb (9 kg) can be placed in a forward facing child restraint. Refer to the manufacturer's instructions for minimum and maximum weight and height recommendations. NISSAN recommends that small children be placed in child restraints that comply with Federal Motor Vehicle Safety Standards or Canadian Motor Vehicle Safety Standards. You should choose a child restraint that fits your vehicle and always follow the manufacturer's instructions for installation and use.

## Larger children

Children who are too large for child restraints should be seated and restrained by the seat belts which are provided. The seat belt may not fit properly if the child is less than 4 ft 9 in (142.5 cm) tall and weighs between 40 lb (18 kg) and 80 lb (36 kg). A booster seat should be used to

obtain proper seat belt fit.

NISSAN recommends that a child be placed in a commercially available booster seat if the shoulder belt in the child's seating position fits close to the face or neck or if the lap portion of the seat belt goes across the abdomen. The booster seat should raise the child so that the shoulder belt is properly positioned across the top, middle portion of the shoulder and the lap belt is low on the hips. A booster seat can only be used in seating positions that have a three-point type seat belt. The booster seat should fit the vehicle seat and have a label certifying that it complies with Federal Motor Vehicle Safety Standards or Canadian Motor Vehicle Safety Standards. Once the child has grown so the shoulder belt is no longer on or near the face and neck, use the shoulder belt without the booster seat.



## WARNING

**Never let a child stand or kneel on any seat and do not allow a child in the cargo areas while the vehicle is moving. The child could be seriously injured or killed in an accident or sudden stop.**

## PREGNANT WOMEN

NISSAN recommends that pregnant women use seat belts. The seat belt should be worn snug, and always position the lap belt as low as possible around the hips, not the waist, and place the shoulder belt over your shoulder and across your chest. Never run the lap/shoulder belt over your abdominal area. Contact your doctor for specific recommendations.

## INJURED PERSONS

NISSAN recommends that injured persons use seat belts, depending on the injury. Check with your doctor for specific recommendations.

## THREE-POINT TYPE SEAT BELT WITH RETRACTOR

### WARNING


- Every person who drives or rides in this vehicle should use a seat belt at all times.
- Do not ride in a moving vehicle when the seatback is reclined. This can be dangerous. The shoulder belt will not be against your body. In an accident, you could be thrown into it and receive neck or other serious injuries. You could also slide under the lap belt and receive serious

internal injuries.

- For the most effective protection when the vehicle is in motion, the seat should be upright. Always sit well back in the seat with both feet on the floor and adjust the seat belt properly.



## Fastening the seat belts

1. Adjust the seat. (  "SEATS" page 1-2)
2. Slowly pull the seat belt out of the retractor and insert the tongue into the buckle until you hear and feel the latch engage.
  - The retractor is designed to lock during a sudden stop or on impact. A slow pulling motion permits the belt to move, and allows you some freedom of movement in the seat.
  - If the seat belt cannot be pulled from its fully retracted position, firmly pull the belt and release it. Then smoothly pull the belt out of

the retractor.



3. Position the lap belt portion **low and snug on the hips** as shown.
4. Pull the shoulder belt portion toward the retractor to take up extra slack. Be sure the shoulder belt is routed over your shoulder and across your chest.


The three-point type seat belts for the front passenger and rear seats have two modes of operation:


- Emergency Locking Retractor (ELR)
- Automatic Locking Retractor (ALR)

The Emergency Locking Retractor (ELR) mode allows the seat belt to extend and retract to

allow the driver and passengers some freedom of movement in the seat. The ELR locks the seat belt when the vehicle slows down rapidly or during impacts.

The Automatic Locking Retractor (ALR) mode or child restraint mode locks the seat belt for child restraint installation.

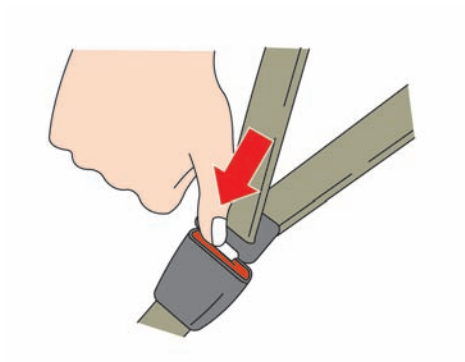
When the ALR mode is activated the seat belt cannot be extended again until the seat belt tongue is detached from the buckle and fully retracted. The seat belt returns to the ELR mode after the seat belt is fully retracted. (  "CHILD RESTRAINTS" page 1-13)

**The ALR mode should be used only for child restraint installation. During normal seat belt use by an occupant, the ALR mode should not be activated. If it is activated it may cause uncomfortable seat belt tension. It can also change the operation of the front passenger air bag.** (  "Front passenger air bag and status light" page 1-37)

### **WARNING**

**When fastening the seat belts, be certain that seatbacks are completely secured in the latched position. If they are not completely secured, passengers may be injured in an accident or sudden**

**stop.**



To increase your confidence in the seat belts, check the operation as follows:

- Grasp the shoulder belt and pull forward quickly. The retractor should lock and restrict further belt movement.

If the retractor does not lock during this check or if you have any question about seat belt operation, see a GT-R certified NISSAN dealer.

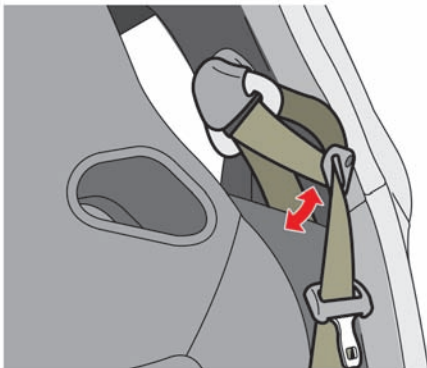
### **Unfastening the seat belts**

To unfasten the seat belt, push the button on the buckle. The seat belt automatically retracts.

### **Checking seat belt operation**

Seat belt retractors are designed to lock seat belt movement by two separate methods:

- When the belt is pulled quickly from the retractor.
- When the vehicle slows down rapidly.



### Shoulder belt arm (for front seats)

Before fastening the seat belt, pull the shoulder belt arm forward until it clicks at the lock position. The arm can also be folded down to allow rear seat passengers easier access.

Pulling the arm forward will allow an easy access to the belt.

### SEAT BELT EXTENDERS

If, because of body size or driving position, it is not possible to properly fit the lap-shoulder belt and fasten it, an extender is available that is compatible with the installed seat belts. The extender adds approximately 8 in (200 mm) of length and may be used for either the driver or front passenger seating position. See a GT-R

certified NISSAN dealer for assistance if the extender is required.

### WARNING

- **Only NISSAN seat belt extenders, made by the same company which made the original equipment seat belts, should be used with the NISSAN seat belts.**
- **Adults and children who can use the standard seat belt should not use an extender. Such unnecessary use could result in serious personal injury in the event of an accident.**
- **Never use seat belt extenders to install child restraints. If the child restraint is not secured properly, the child could be seriously injured in a collision or a sudden stop.**

### SEAT BELT MAINTENANCE

- **To clean the seat belt webbings,** apply a mild soap solution or any solution recommended for cleaning upholstery or carpets. Then, wipe with a cloth and allow the seat belts to dry in the shade. Do not allow the seat belts to retract until they are completely dry.
- **If dirt builds up in the shoulder belt**

**guide** of the seat belt anchors, the seat belts may retract slowly. Wipe the shoulder belt guide with a clean, dry cloth.


- **Periodically check to see that the seat belt and the metal components** such as buckles, tongues, retractors, flexible wires and anchors work properly. If loose parts, deterioration, cuts or other damage on the webbing is found, the entire seat belt assembly should be replaced.

## CHILD RESTRAINTS



### PRECAUTIONS ON CHILD RESTRAINTS

#### WARNING


- Infants and small children should always be placed in an appropriate child restraint while riding in the vehicle. Failure to use a child restraint can result in serious injury or death.
- Infants and small children should never be carried on your lap. It is not possible for even the strongest adult to resist the forces of a severe accident. The child could be crushed between the adult and parts of the vehicle. Also, do not put the same seat belt around both your child and yourself.
- Even with the NISSAN Advanced Air Bag System, never install a rear-facing child restraint in the front seat. An inflating front air bag could seriously injure or kill your child. A rear-facing child restraint must only be used in the rear seat.
- NISSAN recommends that the child restraint be installed in the rear seat. According to accident statistics, children are safer when properly restrained in the rear seat than in the front seat. If you must install a front facing child restraint in the front seat. (  “CHILD RESTRAINT INSTALLATION USING THE SEAT BELTS” page 1-21)
- Improper use or improper installation of a child restraint can increase the risk or severity of injury for both the child and other occupants of the vehicle and can lead to serious injury or death in an accident.
- Follow all of the child restraint manufacturer's instructions for installation and use. When purchasing a child restraint, be sure to select one which will fit your child and vehicle. It may not be possible to properly install some types of child restraints in your vehicle.
- If the child restraint is not anchored properly, the risk of a child being injured in a collision or a sudden stop greatly increases.
- Child restraint anchor points are designed to withstand only those


loads imposed by correctly fitted child restraints. Under no circumstances are they to be used for adult seat belts or harnesses.

- Adjustable seatbacks should be positioned to fit the child restraint, but as upright as possible.
- After attaching the child restraint, test it before you place the child in it. Push it from side to side while holding the seat near the LATCH attachment or by the seat belt path. The child restraint should not move more than 1 inch (25 mm) from side to side. Try to tug it forward and check to see if the belt holds the restraint in place. If the restraint is not secure, tighten the belt as necessary, or put the restraint in another seat and test it again. You may need to try a different child restraint. Not all child restraints fit in all types of vehicles.
- When your child restraint is not in use, keep it secured with the LATCH System or a seat belt to prevent it from being thrown around in case of a sudden stop or accident.

## CAUTION

**Remember that a child restraint left in a closed vehicle can become very hot. Check the seating surface and buckles before placing your child in the child restraint.**

This vehicle is equipped with a universal child restraint lower anchor system, referred to as the Lower Anchors and Tethers for Children System or LATCH. Some child restraints include two rigid or webbing-mounted attachments that can be connected to these lower anchors. (  "CHILD RESTRAINT INSTALLATION USING LATCH" page 1-17)

If you do not have a LATCH compatible child restraint, the vehicle seat belts can be used. In general, child restraints are also designed to be installed with the lap portion of a lap/shoulder seat belt. (  "CHILD RESTRAINT INSTALLATION USING THE SEAT BELTS" page 1-21)

Several manufacturers offer child restraints for infants and small children of various sizes. When selecting any child restraint, keep the following points in mind:

- Choose only a restraint with a label certifying that it complies with Federal Motor Vehicle Safety Standard 213 or Canadian Motor Vehicle Safety Standard 213.

- Check the child restraint in your vehicle to be sure it is compatible with the vehicle's seat and seat belt system.
- If the child restraint is compatible with your vehicle, place your child in the child restraint and check the various adjustments to be sure the child restraint is compatible with your child. Choose a child restraint that is designed for your child's height and weight. Always follow all recommended procedures.

**All U.S. states and Canadian provinces or territories require that infants and small children be restrained in an approved child restraint at all times while the vehicle is being operated. Canadian law requires the top tether strap on front-facing child restraints be secured to the designated anchor point on the vehicle.**

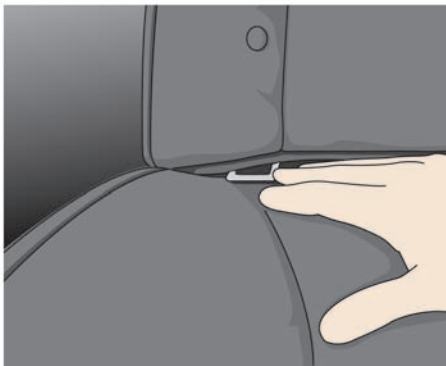


LATCH label location

### Lower Anchors and Tethers for Children SYSTEM (LATCH)

Your vehicle is equipped with special anchor points that are used with Lower Anchors and Tethers for Children System (LATCH) compatible child restraints. This system may also be referred to as the ISOFIX or ISOFIX compatible system. With this system, you do not have to use a vehicle seat belt to secure the child restraint.

The LATCH anchor points are provided to install child restraints in the rear outboard seating positions only. Do not attempt to install a child restraint in the center position using the LATCH anchors.



LATCH lower anchor location

### LATCH lower anchor point locations

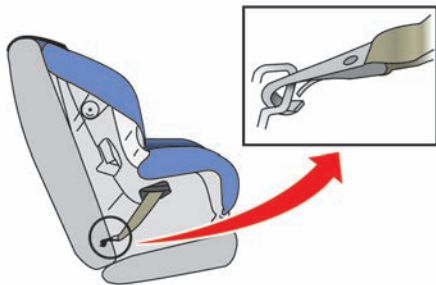
The LATCH anchors are located at the rear of the seat cushion near the seatback. A label is attached to the seatback to help you locate the LATCH anchors.

#### WARNING

- **Attach LATCH compatible child restraints only at the locations shown in the illustration. If a child restraint is not secured properly, your child could be seriously injured or killed in an accident.**
- **The GT-R has seats and seat belts**

for four occupants, two in the front seats and two in the rear seats. Never use the rear console as a seating position or for a child restraint.

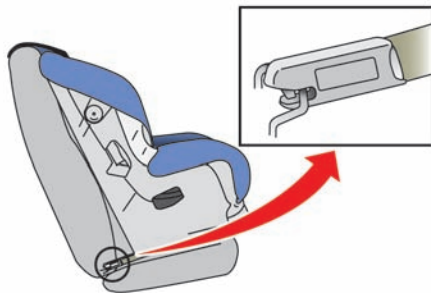
- **Child restraint anchor points are designed to withstand only those loads imposed by correctly fitted child restraints. Under no circumstance are they to be used for adult seat belts or harnesses.**



#### LATCH webbing-mounted attachment

### Installing child restraint LATCH anchor attachments

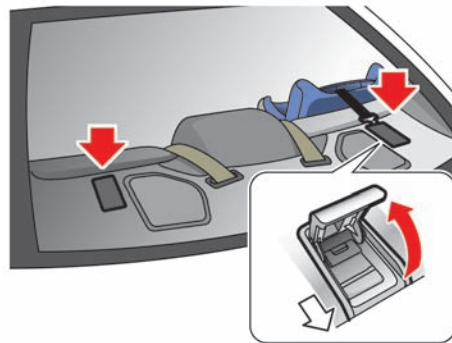
LATCH compatible child restraints include two rigid or webbing-mounted attachments that can be connected to two anchors located at certain seating positions in your vehicle. With this system, you do not have to use a vehicle seat belt to secure the child restraint. Check your child restraint for a label stating that it is compatible with LATCH. This information may also be in the instructions provided by the child restraint manufacturer.



#### LATCH rigid attachment

LATCH child restraints generally require the use of a top tether strap. (☞ "TOP TETHER STRAP CHILD RESTRAINT" page 1-16)

When installing a child restraint, carefully read and follow the instructions in this manual and those supplied with the child restraint. (☞ "CHILD RESTRAINT INSTALLATION USING LATCH" page 1-17)



### TOP TETHER STRAP CHILD RESTRAINT

If the manufacturer of your child restraint requires the use of a top tether strap, it must be secured to an anchor point.

#### **⚠ WARNING**

**Child restraint anchor points are designed to withstand only those loads imposed by correctly fitted child restraints. Under no circumstances are they to be used for adult seat belts or harnesses.**

## Top tether anchor point locations

Anchor points are located on the rear parcel shelf.

## Installing top tether strap


First, secure the child restraint with the LATCH system (rear bench outboard seating positions only) or the seat belt, as applicable.

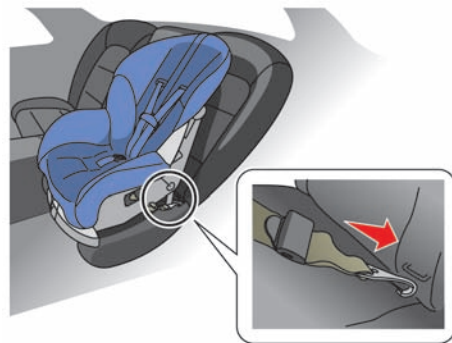
Flip up the anchor cover from the anchor point which is located directly behind the child seat. Position the top tether strap over the top of the seatback and secure it to the tether anchor bracket that provides the straightest installation. Tighten the strap according to the manufacturer's instructions to remove any slack.

**If you have any questions when installing a top tether strap child restraint on the rear seat, consult your GT-R certified NISSAN dealer for details.**

## CHILD RESTRAINT INSTALLATION USING LATCH

### WARNING

- **Attach LATCH compatible child restraints only at the locations shown. If a child restraint is not secured properly, your child could be seriously injured or killed in an accident.** (  “Lower Anchors and Tethers for Children SYSTEM (LATCH)” page 1-15)
- **The LATCH anchors are designed to withstand only those loads imposed by correctly fitted child restraints. Under no circumstance are they to be used for adult seat belts or harnesses.**
- **Inspect the lower anchors by inserting your fingers into the lower anchor area and feeling to make sure there are no obstructions over the LATCH anchors, such as seat belt webbing or seat cushion material. The child restraint will not be secured properly if the LATCH anchors are obstructed.**



Front facing — step 2

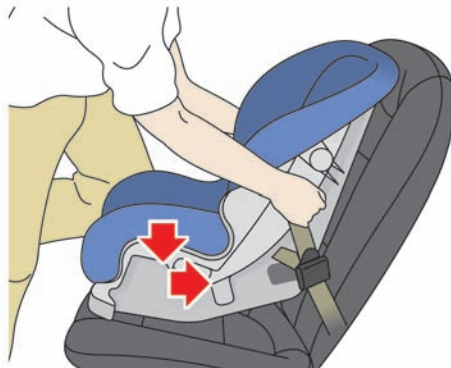
### Front-facing

Follow these steps to install a front-facing child restraint using LATCH:

1. Position the child restraint on the seat. Always follow the child restraint manufacturer's instructions.



**Front facing — step 2**




**Front facing — step 4**



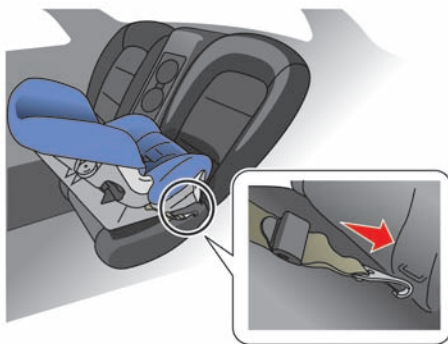
**Front facing — step 6**

2. Secure the child restraint anchor attachments to the LATCH lower anchors. Check to make sure the LATCH attachment is properly attached to the lower anchors.
3. The back of the child restraint should be secured against the vehicle seatback. If the seating position does not have an adjustable head restraint and it is interfering with the proper child restraint fit, try another seating position or a different child restraint.

4. For child restraints that are equipped with webbing mounted attachments, remove any additional slack from the anchor attachments. Press downward and rearward firmly in the center of the child restraint with your knee to compress the vehicle seat cushion and seatback while tightening the webbing of the anchor attachments.
5. If the child restraint is equipped with a top tether strap, route the top tether strap and secure the tether strap to the tether anchor point. (  "TOP TETHER STRAP CHILD RESTRAINT" page 1-16)

6. After attaching the child restraint, test it before you place the child in it. Push it from side to side while holding the seat near the LATCH attachment or by the seat belt path. The child restraint should not move more than 1 inch (25 mm) from side to side. Try to tug it forward and check to see if the belt holds the restraint in place. If the restraint is not secure, tighten the belt as necessary, or put the restraint in another seat and test it again. You may need to try a different child restraint. Not all child restraints fit in all types of vehicles.
7. Check to make sure the child restraint is properly secured prior to each use. If the child restraint is loose, repeat steps 3

through 6.

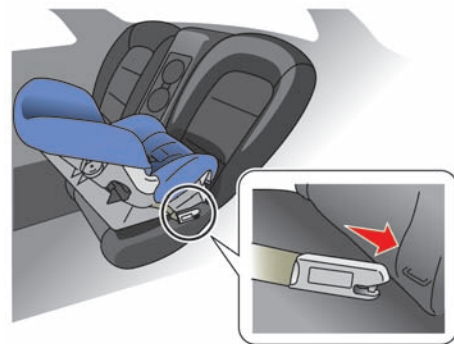


Rear facing — step 2

### Rear-facing

Follow these steps to install a rear-facing child restraint using LATCH:

1. Position the child restraint on the seat. Always follow the child restraint manufacturer's instructions.



Rear facing — step 2

2. Secure the child restraint anchor attachments to the LATCH lower anchors. Check to make sure the LATCH attachment is properly attached to the lower anchors.



**Rear facing — step 3**

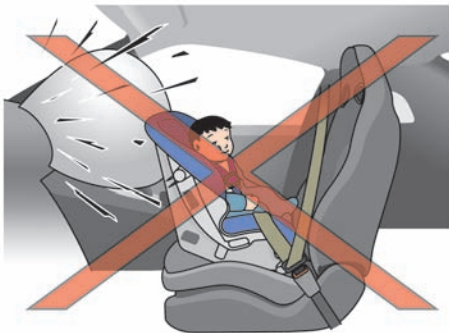
3. For child restraints that are equipped with webbing mounted attachments, remove any additional slack from the anchor attachments. Press downward and rearward firmly in the center of the child restraint with your hand to compress the vehicle seat cushion and seatback while tightening the webbing of the anchor attachments.



**Rear facing — step 4**

4. After attaching the child restraint, test it before you place the child in it. Push it from side to side while holding the seat near the LATCH attachment or by the seat belt path. The child restraint should not move more than 1 inch (25 mm) from side to side. Try to tug it forward and check to see if the belt holds the restraint in place. If the restraint is not secure, tighten the belt as necessary, or put the restraint in another seat and test it again. You may need to try a different child restraint. Not all child restraints fit in all types of vehicles.

5. Check to make sure the child restraint is properly secured prior to each use. If the child restraint is loose, repeat steps 3 through 4.



## CHILD RESTRAINT INSTALLATION USING THE SEAT BELTS

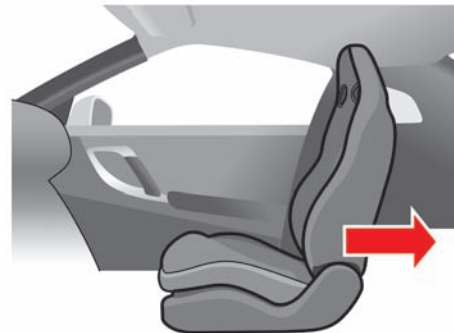
### WARNING

- Even with the NISSAN Advanced Air Bag System, never install a rear-facing child restraint in the front passenger seat. Front air bags inflate with great force. A rear-facing child restraint could be struck by the front air bag in a crash and could seriously injure or kill your child.
- NISSAN recommends that child restraints be installed in the rear seat.

However, if you must install a forward facing child restraint in the front passenger seat, move the passenger seat to the rearmost position. Also, be sure the front passenger air bag status light is illuminated to indicate the passenger air bag is OFF. (👉 “Front passenger air bag and status light” page 1-37)

- The three-point seat belt in your vehicle is equipped with an Automatic Locking Retractor (ALR) mode which must be used when installing a child restraint.
- Failure to use the ALR mode will result in the child restraint not being properly secured. The restraint could tip over or otherwise be unsecured and cause injury to the child in a sudden stop or collision.
- A child restraint with a top tether strap should not be used in the front passenger seat.

The instructions in this section apply to child restraint installation using the vehicle seat belts in the rear seat or the front passenger seat.



Front facing (front passenger seat) — step 1

### Front-facing

Follow these steps to install a front-facing child restraint using the vehicle seat belt in the rear seat or in the front passenger seat:

1. If you must install a child restraint in the front seat, it should be placed in a front-facing direction only. Move the seat to the rearmost position. Child restraints for infants must be used in the rear-facing direction and therefore must not be used in the front seat.
2. Position the child restraint on the seat. Always follow the child restraint manufacturer's instructions.

The back of the child restraint should be secured against the seatback. If it is interfering with the proper child restraint fit, try another seating position or a different child restraint.



**Front facing — step 3**

3. Route the seat belt tongue through the child restraint and insert it into the buckle until you hear and feel the latch engage. Be sure to follow the child restraint manufacturer's instructions for belt routing.



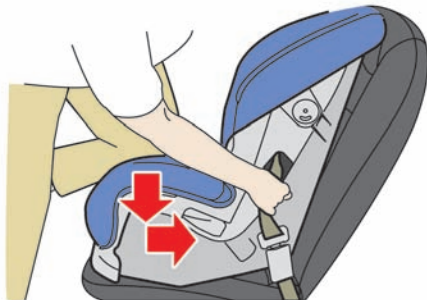
**Front facing — step 4**

4. Pull the shoulder belt until the belt is fully extended. At this time, the seat belt retractor is in the Automatic Locking Retractor (ALR) mode (child restraint mode). It reverts to the Emergency Locking Retractor (ELR) mode when the seat belt is fully retracted.




**Front facing — step 5**

5. Allow the seat belt to retract. Pull up on the shoulder belt to remove any slack in the belt.



**Front facing — step 6**

6. Remove any additional slack from the seat belt; press downward and rearward firmly in the center of the child restraint with your knee to compress the vehicle seat cushion and seatback while pulling up on the seat belt.
7. If the child restraint is equipped with a top tether strap, route the top tether strap and secure the tether strap to the tether anchor point (rear seat installation only). Do not install child restraints equipped with a top tether strap to seating positions that do not have a top tether anchor. (  "TOP TETHER STRAP CHILD RESTRAINT" page 1-16)





**Front facing — step 8**

8. After attaching the child restraint, test it before you place the child in it. Push it from side to side while holding the seat near the LATCH attachment or by the seat belt path. The child restraint should not move more than 1 inch (25 mm) from side to side. Try to tug it forward and check to see if the belt holds the restraint in place. If the restraint is not secure, tighten the belt as necessary, or put the restraint in another seat and test it again. You may need to try a different child restraint. Not all child restraints fit in all types of vehicles.

9. Check that the retractor is in the ALR mode by trying to pull more seat belt out of the retractor. If you cannot pull any more belt webbing out of the retractor, the retractor is in the ALR mode.
10. Check to make sure the child restraint is properly secured prior to each use. If the seat belt is not locked, repeat steps 3 through 8.



#### Front facing — step 11

11. If the child restraint is installed in the front passenger seat, push the ignition switch to the ON position. The front passenger air bag status light  should illuminate. If this light is not illuminated. **Move the child restraint to another seating position.** Have the system checked by a GT-R certified NISSAN dealer. (  "Front passenger air bag and status light" page 1-37)

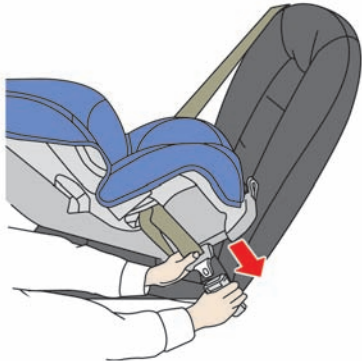
After the child restraint is removed and the seat belt is fully retracted, the ALR mode (child restraint mode) is canceled.



#### Rear-facing

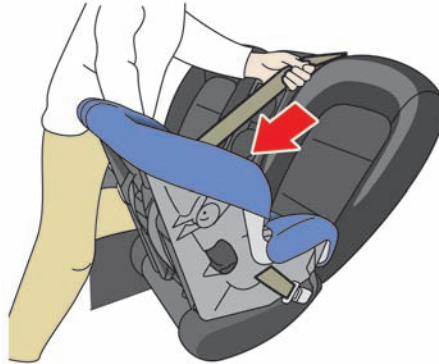
Follow these steps to install a rear-facing child restraint using the vehicle seat belt in the rear seat:

1. **Child restraints for infants must be used in the rear-facing direction and therefore must not be used in the front seat.** Position the child restraint on the seat. Always follow the restraint manufacturer's instructions.



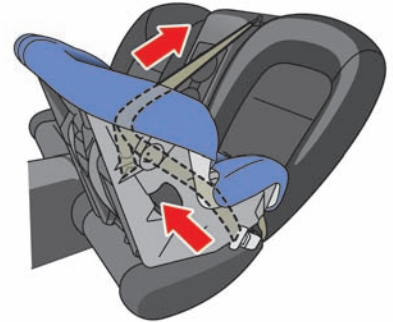
**Rear facing — step 2**

2. Route the seat belt tongue through the child restraint and insert it into the buckle until you hear and feel the latch engage. Be sure to follow the child restraint manufacturer's instructions for belt routing.



**Rear facing — step 3**

3. Pull the shoulder belt until the belt is fully extended. At this time, the seat belt retractor is in the Automatic Locking Retractor (ALR) mode (child restraint mode). It reverts to the Emergency Locking Retractor (ELR) mode when the seat belt is fully retracted.



**Rear facing — step 4**

4. Allow the seat belt to retract. Pull up on the shoulder belt to remove any slack in the belt.



**Rear facing — step 5**

5. Remove any additional slack from the child restraint; press downward and rearward firmly in the center of the child restraint with your hand to compress the vehicle seat cushion and seatback while pulling up on the seat belt.



**Rear facing — step 6**

6. After attaching the child restraint, test it before you place the child in it. Push it from side to side while holding the seat near the LATCH attachment or by the seat belt path. The child restraint should not move more than 1 inch (25 mm) from side to side. Try to tug it forward and check to see if the belt holds the restraint in place. If the restraint is not secure, tighten the belt as necessary, or put the restraint in another seat and test it again. You may need to try a different child restraint. Not all child restraints fit in all types of vehicles.

7. Check that the retractor is in the ALR mode by trying to pull more seat belt webbing out of the retractor. If you cannot pull any more seat belt webbing out of the retractor, the retractor is in the ALR mode.
8. Check to make sure that the child restraint is properly secured prior to each use. If the belt is not locked, repeat steps 3 through 6.

After the child restraint is removed and the seat belt fully retracted, the ALR mode (child restraint mode) is canceled.

## BOOSTER SEATS




### PRECAUTIONS ON BOOSTER SEATS

#### WARNING

- Infants and small children should always be placed in an appropriate child restraint while riding in the vehicle. Failure to use a child restraint or booster seat can result in serious injury or death.
- Infants and small children should never be carried on your lap. It is not possible for even the strongest adult to resist the forces of a severe

accident. The child could be crushed between the adult and parts of the vehicle. Also, do not put the same seat belt around both your child and yourself.

- NISSAN recommends that the booster seat be installed in the rear seat. According to accident statistics, children are safer when properly restrained in the rear seat than in the front seat. If you must install a booster seat in the front seat, see the following instructions. (  "BOOSTER SEAT INSTALLATION" page 1-29)
- A booster seat must only be installed in a seating position that has a lap/shoulder belt. Failure to use a three-point type seat belt with a booster seat can result in a serious injury in sudden stop or collision.
- Improper use or improper installation of a booster seat can increase the risk or severity of injury for both the child and other occupants of the vehicle and can lead to serious injury or death in an accident.
- Do not use towels, books, pillows or

other items in place of a booster seat. Items such as these may move during normal driving or a collision and result in serious injury or death. Booster seats are designed to be used with a lap/shoulder belt. Booster seats are designed to properly route the lap and shoulder portions of the seat belt over the strongest portions of a child's body to provide the maximum protection during a collision.

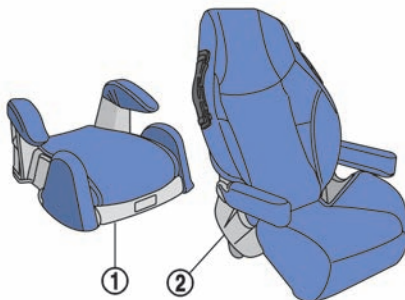
- Follow all of the booster seat manufacturer's instructions for installation and use. When purchasing a booster seat, be sure to select one which will fit your child and vehicle. It may not be possible to properly install some types of booster seats in your vehicle.
- If the booster seat and seat belt is not used properly, the risk of a child being injured in a collision or a sudden stop greatly increases.
- Adjustable seatbacks should be positioned to fit the booster seat, but as up- right as possible.
- After placing the child in the booster

seat and fastening the seat belt, make sure the shoulder portion of the belt is away from the child's face and neck and the lap portion of the belt does not cross the abdomen.

- Do not put the shoulder belt behind the child or under the child's arm. If you must install a booster seat in the front seat, see the following instructions. (👉 "BOOSTER SEAT INSTALLATION" page 1-29)
- When your booster seat is not in use, keep it secured with a seat belt to prevent it from being thrown around in case of a sudden stop or accident.

### CAUTION

Remember that a booster seat left in a closed vehicle can become very hot. Check the seating surface and buckles before placing your child in the booster seat.



Booster seats of various sizes are offered by several manufacturers. When selecting any booster seat, keep the following points in mind:

- Choose only a booster seat with a label certifying that it complies with Federal Motor Vehicle Safety Standard 213 or Canadian Motor Vehicle Safety Standard 213.



- Check the booster seat in your vehicle to be sure it is compatible with the vehicle's seat and seat belt system.
- Make sure the child's head will be properly supported by the booster seat or vehicle seat. The seatback must be at or above the center of the child's ears. For example, if a low back booster seat ① is chosen, the vehicle seatback must be at or above the center of the child's ears. If the seatback is lower than the center of the child's ears, a high back booster seat ② should be used.



## BOOSTER SEAT INSTALLATION

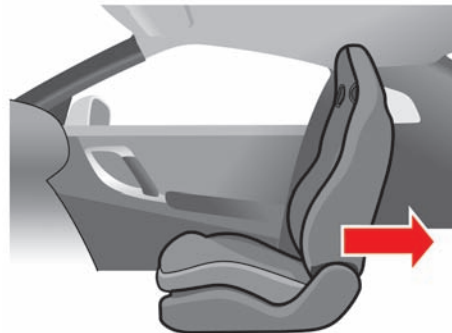
### WARNING

**NISSAN** recommends that booster seats be installed in the rear seat. However, if you must install a booster seat in the front passenger seat, move the passenger's seat to the rearmost position.

### CAUTION

**Do not use the lap/shoulder belt Automatic Locking Retractor (ALR) mode when using a booster seat with the seat belts.**

Follow these steps to install a booster seat in the rear seat or in the front passenger seat:



- If the booster seat is compatible with your vehicle, place your child in the booster seat and check the various adjustments to be sure the booster seat is compatible with your child. Always follow all recommended procedures.

**All U.S. states and Canadian provinces or territories require that infants and small children be restrained in an approved child restraint at all times while the vehicle is being operated.**

The instructions in this section apply to booster seat installation in the rear seats or the front passenger seat.

1. **If you must install a booster seat in the front seat, adjust the seatback so that it is upright and then move the seat to the rearmost position.**
2. Position the booster seat on the seat. Only place it in a front facing direction. Always follow the booster seat manufacturer's instructions.




#### **Outboard position**

3. The booster seat should be positioned on the vehicle seat so that it is stable. If it is interfering with the proper booster seat fit, try another seating position or a different booster seat.
4. Position the lap portion of the seat belt low and snug on the child's hips. Be sure to follow the booster seat manufacturer's instructions for adjusting the belt routing.
5. Pull the shoulder belt portion of the seat belt toward the retractor to take up extra slack. Be sure the shoulder belt is positioned across the top, middle portion of the child's shoulder. Be sure to follow the booster seat manufacturer's instructions for adjusting the



belt routing.



#### **Front seat**

6. Follow the warnings, cautions and instructions for properly fastening a seat belt. (  "THREE-POINT TYPE SEAT BELT WITH RETRACTOR" page 1-9)



7. If the booster seat is installed in the front passenger seat, push the ignition switch to the ON position. The front passenger air bag status light  may or may not illuminate depending on the size of the child and the type of booster seat used. (  "Front passenger air bag and status light" page 1-37)

## SUPPLEMENTAL RESTRAINT SYSTEM

### PRECAUTIONS ON SUPPLEMENTAL RESTRAINT SYSTEM

This Supplemental Restraint System (SRS) section contains important information concerning the following systems:

- Driver and passenger supplemental front-impact air bag (NISSAN Advanced Air Bag System)
- Front seat-mounted side-impact supplemental air bag (if so equipped)
- Roof-mounted curtain side-impact supplemental air bag (if so equipped)
- Seat belt pretensioner

#### Supplemental front-impact air bag system:


The NISSAN Advanced Air Bag System can help cushion the impact force to the head and chest of the driver and front passenger in certain frontal collisions.

#### Front seat-mounted side-impact supplemental air bag system (if so equipped):

This system can help cushion the impact force to the chest and pelvis area of the driver and front passenger in certain side impact collisions. The side air bags are designed to inflate on the side where the vehicle is impacted.

#### Roof-mounted curtain side-impact supplemental air bag system (if so equipped):

This system can help cushion the impact force to the head of occupants in front and rear outboard seating positions in certain side impact collisions. The curtain air bags are designed to inflate on the side where the vehicle is impacted.

These supplemental restraint systems are designed to **supplement** the crash protection provided by the driver and passenger seat belts and are **not a substitute** for them. Seat belts should always be correctly worn and the occupant seated a suitable distance away from the steering wheel, instrument panel and door finishers. (  "SEAT BELTS" page 1-5)

**The supplemental air bags operate only when the ignition switch is in the ON position.**

**After pushing the ignition switch to the ON position, the supplemental air bag warning light illuminates. The supplemental air bag warning light will turn off after about 7 seconds if the systems are operational.**




Sit upright and well back.




Sit upright and well back.



## **WARNING**

- The front air bags ordinarily will not inflate in the event of a side impact, rear impact, rollover, or lower severity frontal collision. Always wear your seat belts to help reduce the risk or severity of injury in various kinds of accidents.
- The front passenger air bag will not inflate if the passenger air bag status light is lit or if the front passenger seat is unoccupied. (  “Front passenger air bag and status light” page 1-37)
- The seat belts and the front air bags are most effective when you are sitting well back and upright in the seat. The front air bags inflate with great force. Even with the NISSAN advanced air bag system, if you are unrestrained, leaning forward, sitting sideways or out of position in any way, you are at greater risk of injury or death in a crash. You may also receive serious or fatal injuries from the front air bag if you are up against it when it inflates. Always sit back against the seatback and as


far-away as practical from the steering wheel or instrument panel. Always use the seat belts.

- The driver and front passenger seat belt buckles are equipped with sensors that detect if the seat belts are fastened. The Advanced Air Bag System monitors the severity of a collision and seat belt usage then inflates the air bags. Failure to properly wear seat belts can increase the risk or severity of injury in an accident.
- The front passenger seat is equipped with an occupant classification sensor (pattern sensor) that turns the front passenger air bag OFF under some conditions. This sensor is only used in this seat. Failure to be properly seated and wearing the seat belt can increase the risk or severity of injury in an accident. (  "Front passenger air bag and status light" page 1-37)
- Keep hands on the outside of the steering wheel. Placing them inside the steering wheel rim could increase the risk of injury if the supplemental front air bag inflates.





## WARNING

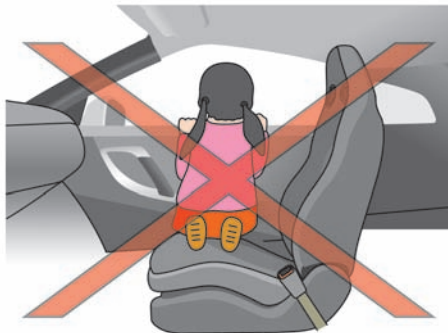
- Never let children ride unrestrained or extend their hands or face out of the window. Do not attempt to hold them in your lap or arms. Some examples of dangerous riding positions are shown in the illustrations.
- Children may be severely injured or killed when the front air bags, side air bags or curtain air bags inflate if they are not properly restrained. Pre-teens and children should be properly restrained in the rear seat, if possible.
- Even with the NISSAN Advanced Air Bag System, never install a rear facing child restraint in the front seat. An inflating supplemental front air bag could seriously injure or kill your child. (  "CHILD RESTRAINTS" page 1-13)



Do not lean against doors or windows.



Do not lean against rear side panels.



Do not lean against doors or windows.

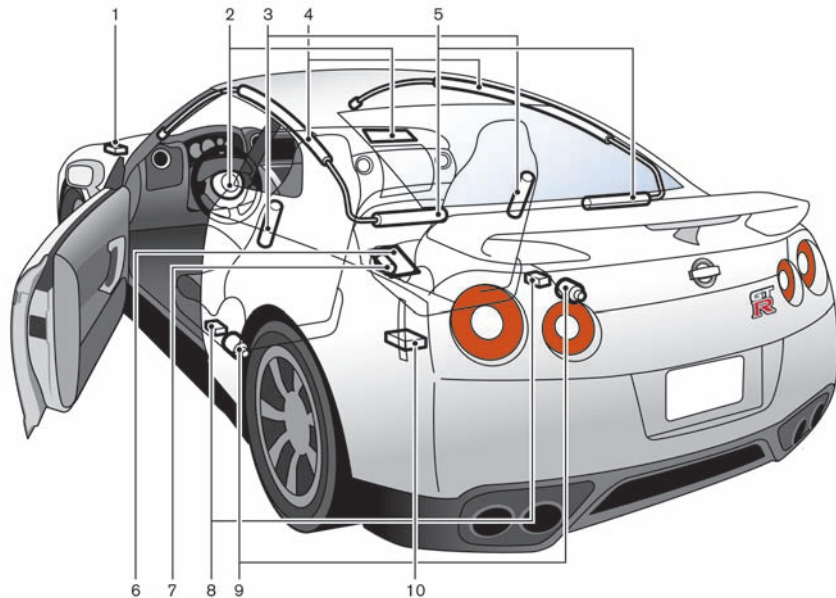
### WARNING

Front seat-mounted side-impact supplemental air bag and roof-mounted curtain side-impact supplemental air bag (if so equipped):

- The side air bags and curtain air bags ordinarily will not inflate in the event of a frontal impact, rear impact, rollover or lower severity side collision. Always wear your seat belts to help reduce the risk or severity of injury in various kinds of accidents.

- The seat belts, side air bags and curtain air bags are most effective when you are sitting well back and upright in the seat. The side air bags and curtain air bags inflate with great force. Do not allow anyone to place their hand, leg or face near the side air bag on the side of the seatback of the front seat or near the side roof rails. Do not allow anyone sitting in the front seats or rear outboard seats to extend their hand out of the window or lean against the door. Some examples of dangerous riding positions are shown in the previous illustrations.

- When sitting in the rear seat, do not hold onto the seatback of the front seat. If the supplemental side air bag inflates, you may be seriously injured. Be especially careful with children, who should always be properly restrained. Some examples of dangerous riding positions are shown in the illustrations.
- Do not use seat covers on the front seatbacks. They may interfere with side air bag inflation.




1. Crash zone sensor
2. Supplemental front-impact air bag modules (NISSAN Advanced Air Bag System)
3. Front seat-mounted side-impact supplemental air bags (if so equipped)
4. Roof-mounted curtain side-impact supplemental air bags (if so equipped)
5. Roof-mounted curtain side-impact supplemental air bag inflators (if so equipped)
6. Occupant classification sensor (pattern sensor)
7. Occupant classification system control unit
8. Satellite sensors
9. Seat belt pretensioners
10. Air bag Control Unit (ACU)

## NISSAN ADVANCED AIR BAG SYSTEM (front seats)

This vehicle is equipped with the NISSAN Advanced Air Bag System for the driver and front passenger seats. This system is designed to meet certification requirements under U.S. regulations. It is also permitted in Canada. **However, all of the information, cautions and warnings in this manual still apply and must be followed.**

The driver supplemental front-impact air bag is located in the center of the steering wheel. The front passenger supplemental front-impact air bag is mounted in the instrument panel above the glove box. The front air bags are designed to inflate in higher severity frontal collisions, although they may inflate if the forces in another type of collision are similar to those of a higher severity frontal impact. They may not inflate in certain frontal collisions. Vehicle damage (or lack of it) is not always an indication of proper front air bag operation.

The NISSAN Advanced Air Bag System has dual stage air bag inflators. The system monitors information from the Air bag Control Unit (ACU), seat belt buckle sensors and the occupant classification sensor (pattern sensor). Inflator operation is based on the severity of a collision and seat belt usage for the driver. For the front passenger, the occupant classification sensor is also monitored. Based on information from the

sensors, only one front air bag may inflate in a crash, depending on the crash severity and whether the front occupants are belted or unbelted. Additionally, the front passenger air bag may be automatically turned OFF under some conditions, depending on the information provided by the occupant classification sensor. If the front passenger air bag is OFF, the passenger air bag status light will be illuminated (if the seat is unoccupied, the light will not be illuminated, but the air bag will be off). One front air bag inflating does not indicate improper performance of the system. (  "Front passenger air bag and status light" page 1-37)

If you have any questions about your air bag system, contact NISSAN or a GT-R certified NISSAN dealer. If you are considering modification of your vehicle due to a disability, you may also contact NISSAN. Contact information is contained in the front of this Owner's Manual.

When a front air bag inflates, a fairly loud noise may be heard, followed by release of smoke. This smoke is not harmful and does not indicate a fire. Care should be taken not to inhale it, as it may cause irritation and choking. Those with a history of a breathing condition should get fresh air promptly.

Front air bags, along with the use of seat belts, help to cushion the impact force on the head and chest of the front occupants. They can help save lives and reduce serious injuries. However,

an inflating front air bag may cause facial abrasions or other injuries. Front air bags do not provide restraint to the lower body.

Even with NISSAN advanced air bags, seat belts should be correctly worn and the driver and passenger seated upright as far as practical away from the steering wheel or instrument panel. The front air bags inflate quickly in order to help protect the front occupants. Because of this, the force of the front air bag inflating can increase the risk of injury if the occupant is too close to, or is against, the air bag module during inflation.

The front air bags deflate quickly after a collision.

**The front air bags operate only when the ignition switch is in the ON position.**

**After pushing the ignition switch to the ON position, the supplemental air bag warning light illuminates. The supplemental air bag warning light will turn off after about 7 seconds if the system is operational.**







Front passenger air bag status light  
**Front passenger air bag and status light**

 **WARNING**

The front passenger air bag is designed to automatically turn OFF under some conditions. Read this section carefully to learn how it operates. Proper use of the seat, seat belt and child restraints is necessary for most effective protection. Failure to follow all instructions in this manual concerning the use of seats, seat belts and child restraints can increase the risk or severity of injury in an accident.

## Status light:

The front passenger air bag status light  is located on the center instrument panel. The light operates as follows:

- Unoccupied passenger seat: The  is OFF and the front passenger air bag is OFF and will not inflate in a crash.
- Passenger seat occupied by a small adult, child or child restraint as outlined in this section: The  illuminates to indicate that the front passenger air bag is OFF and will not inflate in a crash.
- Occupied passenger seat and the passenger meets the conditions outlined in this section: The light  is OFF to indicate that the front passenger air bag is operational.

## Front passenger air bag:

The front passenger air bag is designed to automatically turn OFF when the vehicle is operated under some conditions as described below as permitted by U.S. regulations. If the front passenger air bag is OFF, it will not inflate in a crash. The driver air bag and other air bags in your vehicle are not part of this system.


The purpose of the regulation is to help reduce the risk of injury or death from an inflating air bag to certain front passenger seat occupants, such as children, by requiring the air bag to be

automatically turned OFF.

The occupant classification sensor (pattern sensor) is in the front passenger seat cushion and is designed to detect an occupant and objects on the seat. For example, if a child is in the front passenger seat, the Advanced Air Bag System is designed to turn the passenger air bag OFF in accordance with the regulations. Also, if a child restraint of the type specified in the regulations is on the seat, the occupant classification sensor can detect it and cause the air bag to turn OFF.

Front passenger seat adult occupants who are properly seated and using the seat belt as outlined in this manual should not cause the passenger air bag to be automatically turned OFF. For small adults it may be turned OFF, however, if the occupant does not sit in the seat properly (for example, by not sitting upright, by sitting on an edge of the seat, or by otherwise being out of position), this could cause the sensor to turn the air bag OFF. Always be sure to be seated and wearing the seat belt properly for the most effective protection by the seat belt and supplemental air bag.

NISSAN recommends that pre-teens and children be properly restrained in a rear seat. NISSAN also recommends that appropriate child restraints and booster seats be properly installed in a rear seat. If this is not possible, the occupant classification sensor is designed to

operate as described above to turn the front passenger air bag OFF for specified child restraints. Failing to properly secure child restraints and to use the Automatic Locking Retractor (ALR) mode (child restraint mode) may allow the restraint to tip or move in an accident or sudden stop. This can also result in the passenger air bag inflating in a crash instead of being OFF. (  "CHILD RESTRAINTS" page 1-13)

If the front passenger seat is not occupied, the passenger air bag is designed not to inflate in a crash. However, heavy objects placed on the seat could result in air bag inflation, because of the object being detected by the occupant classification sensor. Other conditions could also result in air bag inflation, such as if a child is standing on the seat, or if two children are on the seat, contrary to the instructions in this manual. Always be sure that you and all vehicle occupants are seated and restrained properly.


Using the passenger air bag status light, you can monitor when the front passenger air bag is automatically turned OFF with the seat occupied. The light will not illuminate when the front passenger seat is unoccupied.

If an adult occupant is in the seat but the passenger air bag status light is illuminated (indicating that the air bag is OFF), it could be that the person is a small adult, or is not sitting on the seat properly.

If a child restraint must be used in the front seat, the passenger air bag status light may or may not be illuminated, depending on the size of the child and the type of child restraint being used. If the passenger air bag status light is not illuminated (indicating that the air bag might inflate in a crash), it could be that the child restraint or seat belt is not being used properly. Make sure that the child restraint is installed properly, the seat belt is used properly and the occupant is positioned properly. If the passenger air bag status light is still not illuminated, reposition the occupant or child restraint in a rear seat.

If the passenger air bag status light will not illuminate even though you believe that the child restraint, the seat belts and the occupant are properly positioned, the system may be sensing an unoccupied seat (in which case the air bag is OFF). Your GT-R certified NISSAN dealer can check that the system is OFF by using a special tool. However, until you have confirmed with your dealer that your air bag is working properly, reposition the occupant or child restraint in a rear seat.

The NISSAN Advanced Air Bag System and passenger air bag status light will take a few seconds to register a change in the passenger seat status. However, if the seat becomes unoccupied, the air bag status light will remain off.

If a malfunction occurs in the front passenger air bag system, the supplemental air bag warning light , located in the meter and gauges area will blink. Have the system checked by a GT-R certified NISSAN dealer.

### Other supplemental front air bag precautions

#### WARNING

- Do not place any objects on the steering wheel pad or on the instrument panel. Also, do not place any objects between any occupant and the steering wheel or instrument panel. Such objects may become dangerous projectiles and cause injury if the front air bag inflates.
- Do not place objects with sharp edges on the seat. Also, do not place heavy objects on the seat that will leave permanent impressions in the seat. Such objects can damage the seat or occupant classification sensor (pattern sensor). This can affect the operation of the air bag system and result in serious personal injury.
- Do not use water or acidic cleaners (hot steam cleaners) on the seat.

**This can damage the seat or occupant classification sensor. This can also affect the operation of the air bag system and result in serious personal injury.**

- Immediately after inflation, several front air bag system components will be hot. Do not touch them; you may severely burn yourself.
- No unauthorized changes should be made to any components or wiring of the supplemental air bag system. This is to prevent accidental inflation of the supplemental air bag or damage to the supplemental air bag system.
- Do not make unauthorized changes to your vehicle's electrical system, suspension system or front end structure. This could affect proper operation of the front air bag system.
- Tampering with the supplemental air bag system may result in serious personal injury. Tampering includes changes to the steering wheel and the instrument panel assembly by placing material over the steering

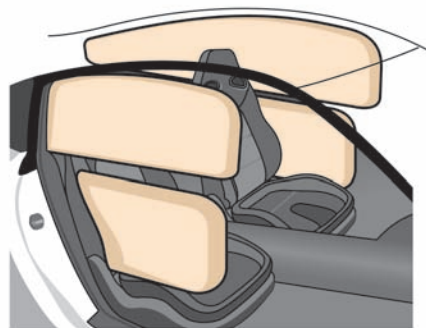
wheel pad and above the instrument panel or by installing additional trim material around the air bag system.

- Modifying or tampering with the front passenger seat may result in serious personal injury. For example, do not change the front seats by placing material on the seat cushion or by installing additional trim material, such as seat covers, on the seat that is not specifically designed to assure proper air bag operation. Additionally, do not stow any objects under the front passenger seat or the seat cushion and seatback. Such objects may interfere with the proper operation of the occupant classification sensor.
- No unauthorized changes should be made to any components or wiring of the seat belt system. This may affect the front air bag system. Tampering with the seat belt system may result in serious personal injury.
- Work on and around the front air bag system should be done by a GT-R certified NISSAN dealer. Installation of electrical equipment

should also be done by a GT-R certified NISSAN dealer. The Supplemental Restraint System (SRS) wiring should not be modified or disconnected. Unauthorized electrical test equipment and probing devices should not be used on the air bag system.

- A cracked windshield should be replaced immediately by a qualified repair facility. A cracked windshield could affect the function of the supplemental air bag system.
- The SRS wiring harness connectors are yellow and orange for easy identification.

When selling your vehicle, we request that you inform the buyer about the front air bag system and guide the buyer to the appropriate sections in this Owner's Manual.



### **FRONT SEAT-MOUNTED SIDE-IMPACT SUPPLEMENTAL AIR BAG AND ROOF-MOUNTED CURTAIN SIDE-IMPACT SUPPLEMENTAL AIR BAG SYSTEM (if so equipped)**

The front side air bags are located in the outside of the seatback of the front seats. The curtain air bags are located in the side roof rails. These systems are designed to meet voluntary guidelines to help reduce the risk of injury to out-of-position occupants. **However, all of the information, cautions and warnings in this manual still apply and must be followed.** The side air bags and curtain air bags are designed to inflate in higher severity side collisions, although they may inflate if the forces

in another type of collision are similar to those of a higher severity side impact. They are designed to inflate on the side where the vehicle is impacted. They may not inflate in certain side collisions.

Vehicle damage (or lack of it) is not always an indication of proper side air bag and curtain air bag operation.

When the side air bags and curtain air bags inflate, a fairly loud noise may be heard, followed by release of smoke. This smoke is not harmful and does not indicate a fire. Care should be taken not to inhale it, as it may cause irritation and choking. Those with a history of a breathing condition should get fresh air promptly.

Front side air bags, along with the use of seat belts, help to cushion the impact force on the chest and pelvis of the front occupants. Curtain air bags help to cushion the impact force to the head of occupants in the front and rear outboard seating positions. They can help save lives and reduce serious injuries. However, an inflating side air bags and curtain air bags may cause abrasions or other injuries. Side air bags and curtain air bags do not provide restraint to the lower body.

The seat belts should be correctly worn and the driver and passenger seated upright as far as practical away from the side air bags. Rear seat passengers should be seated as far away as

practical from the door finishers and side roof rails. The side air bags and curtain air bags inflate quickly in order to help protect the out-of-position occupants. Because of this, the force of the side air bags and curtain air bags inflating can increase the risk of injury if the occupant is too close to, or is against, these air bag modules during inflation. The side air bags and curtain air bags will deflate quickly after the collision is over.

The side air bags and curtain air bags operate only when the ignition switch is in the ON position.

**After pushing the ignition switch to the ON position, the supplemental air bag warning light illuminates. The air bag warning light will turn off after about 7 seconds if the systems are operational.**

### **WARNING**

- **Do not place any objects near the seatback of the front seats. Also, do not place any objects (an umbrella, bag, etc.) between the front door finisher and the front seat. Such objects may become dangerous projectiles and cause injury if a side air bag inflates.**
- **Right after inflation, several side air**

**bag and curtain air bag system components will be hot. Do not touch them; you may severely burn yourself.**

- **No unauthorized changes should be made to any components or wiring of the side air bags and curtain air bags. This is to prevent accidental inflation of the side air bags and curtain air bags or damage to the side air bag and curtain air bag systems.**
- **Do not make unauthorized changes to your vehicle's electrical system, suspension system or side panel. This could affect proper operation of the side air bag and curtain air bag systems.**
- **Tampering with the supplemental air bag system may result in serious personal injury. For example, do not change the front seat by placing material near the seatback or by installing additional trim material, such as seat covers, around the side air bags.**
- **Work around and on the side air bag and curtain air bag systems should**

be done by a GT-R certified NISSAN dealer. Installation of electrical equipment should also be done by a GT-R certified NISSAN dealer. The SRS wiring harnesses\* should not be modified or disconnected. Unauthorized electrical test equipment and probing devices should not be used on the side air bag and curtain air bag systems.

\* The SRS wiring harnesses connectors are yellow and orange for easy identification.

When selling your vehicle, we request that you inform the buyer about the side air bag and curtain air bag systems and guide the buyer to the appropriate sections in this Owner's Manual.

## SEAT BELTS WITH PRETENSIONERS (front seats)

### WARNING

- The pretensioners cannot be reused after activation. They must be replaced together with the retractor and buckle as a unit.
- If the vehicle becomes involved in a frontal collision but the pretensioner is not activated, be sure to have the pretensioner system checked and, if necessary, replaced by a GT-R certified NISSAN dealer.

• No unauthorized changes should be made to any components or wiring of the pretensioners. This is to prevent damage to or accidental activation of the pretensioners. Tampering with the pretensioner system may result in serious personal injury.


• Work around and on the pretensioners should be done by a GT-R certified NISSAN dealer. Installation of electrical equipment should also be done by a GT-R certified NISSAN dealer. Unauthorized electrical test equipment and probing devices should not be used on the pretensioners.

• If you need to dispose of a pretensioner or scrap the vehicle, contact a GT-R certified NISSAN dealer. Correct pretensioner disposal procedures are set forth in the appropriate NISSAN Service Manual. Incorrect disposal procedures could cause personal injury.

The pretensioner system activates in conjunction with the supplemental air bag systems. Working with the seat belt retractor, it helps tighten the seat belt when the vehicle becomes involved in certain types of collisions, helping to restrain front seat occupants.

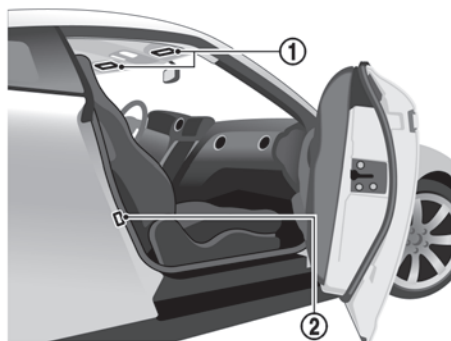
The pretensioner is encased with the seat belt retractor. These seat belts are used the same way as conventional seat belts. When a pretensioner activates, smoke is released and a loud noise may be heard. The smoke is not harmful, and it does not indicate a fire. Care should be taken not to inhale it as it may cause irritation and choking. Those with a history of a breathing condition should get fresh air promptly.

After pretensioner activation, load limiters allow the seat belt to release webbing (if necessary) to reduce forces against the chest.

If any malfunction occurs in the pretensioner system, the supplemental air bag warning light  will not come on, will flash intermittently or will turn on for 7 seconds and remain on after the ignition switch has been pushed to the ON position. In this case, the pretensioner may not function properly. They must be checked and repaired. Take your vehicle to the nearest NISSAN dealer.

When selling your vehicle, we request that you inform the buyer about the pretensioner system and guide the buyer to the appropriate sections

in this Owner's Manual.



### **SUPPLEMENTAL AIR BAG WARNING LABELS**

Warning labels about the supplemental front-impact air bag and front seat-mounted side-impact supplemental air bag systems are placed in the vehicle as shown in the illustration.

#### **① SRS air bag**


The warning labels are located on the surface of the sun visors.

#### **② SRS side-impact air bag (if so equipped)**

The warning label is located on the side of the passenger's side center pillar.



### **SUPPLEMENTAL AIR BAG WARNING LIGHT**

The supplemental air bag warning light, displaying  in the instrument panel, monitors the circuits of the supplemental front-impact air bag, front seat-mounted side-impact supplemental air bag (if so equipped), roof-mounted curtain side-impact supplemental air bag (if so equipped) and seat belt pretensioner systems. The monitored circuits include the Air bag Control Unit (ACU), satellite sensors, crash zone sensor, front air bag modules, side air bag modules (if so equipped), curtain side-impact air bag modules (if so equipped), pretensioners and all related wiring.

When the ignition switch is in the ON position, the supplemental air bag warning light illuminates for about 7 seconds and then turns off. This means the system is operational.

If any of the following conditions occur, the front air bag, side air bag, curtain air bag and pretensioner systems need servicing:

- The supplemental air bag warning light remains on approximately 7 seconds after the ignition switch is pushed to the ON position.
- The supplemental air bag warning light flashes intermittently.
- The supplemental air bag warning light does not come on at all.

Under these conditions, the front air bag, side air bag, curtain air bag or pretensioner systems may not operate properly. They must be checked and repaired. Take your vehicle to the nearest NISSAN dealer.



## WARNING

**If the supplemental air bag warning light is on, it could mean that the front air bag, side air bag, curtain air bag and/or pretensioners will not operate in an accident. To help avoid injury to yourself or others, have your vehicle checked by a dealer as soon as possible.**

## REPAIR AND REPLACEMENT PROCEDURE

The front air bags, side air bags, curtain air bags and pretensioners are designed to activate on a one-time-only basis. As a reminder, unless it is damaged, the supplemental air bag warning light will remain illuminated after inflation has occurred. Repair and replacement of these systems should be done only by a GT-R certified NISSAN dealer.

When maintenance work is required on the vehicle, the front air bags, side air bags, curtain air bags, pretensioners and related parts should be pointed out to the person conducting the maintenance. The ignition switch should always be in the LOCK position when working under the hood or inside the vehicle.



## WARNING

- **Once a front air bag, side air bag, or curtain air bag has inflated, the air bag module will not function again and must be replaced. Additionally, if any of the front air bags inflate, the activated pretensioners must also be replaced. The air bag module and pretensioners should be replaced by a GT-R certified NISSAN dealer. The air bag module and pretensioners cannot be repaired.**
- **The front air bag, side air bag, curtain air bag and the pretensioner should be inspected by a GT-R certified NISSAN dealer if there is any damage to the front end or side portion of the vehicle.**
- **If you need to dispose of a supplemental air bag or a pretensioner or scrap the vehicle, contact a GT-R certified NISSAN dealer. Correct air bag and pretensioner disposal procedures are set forth in the appropriate NISSAN Service Manual. Incorrect disposal procedures could cause personal injury.**

**MEMO**

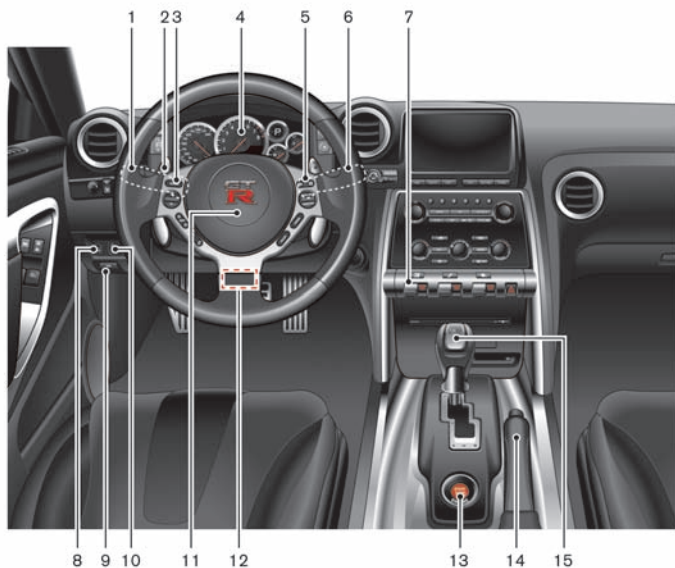
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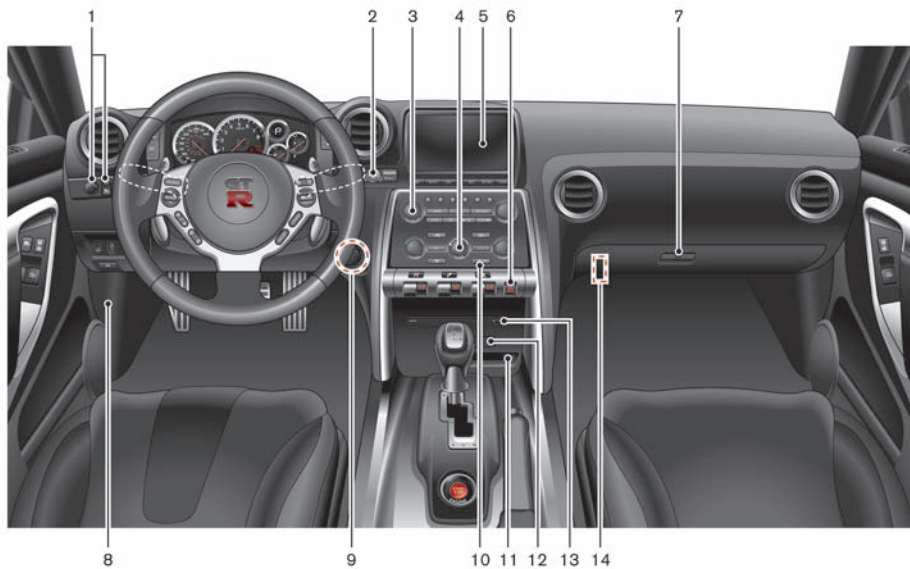
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\*: Refer to the separate Multi Function Display Owner's Manual.

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12. Front passenger air bag status light (P.1-37)

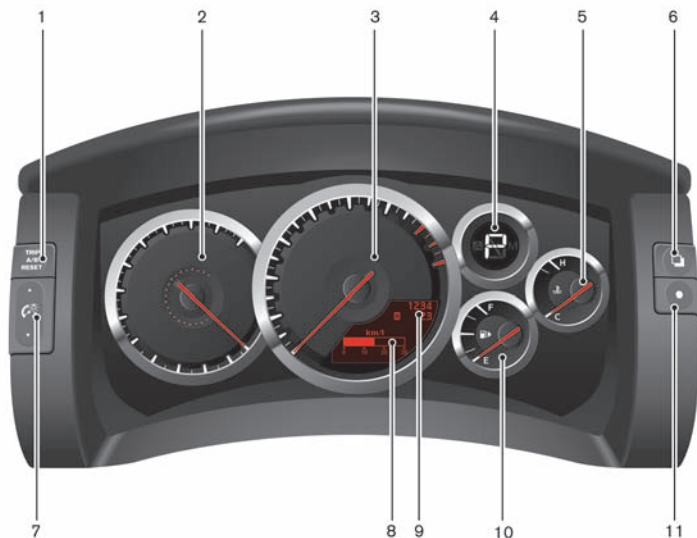
13. Compact Disc slot\*

14. Trunk release power cancel switch (P.3-20)

\*: Refer to the separate Multi Function Display Owner's Manual.

## METERS AND GAUGES

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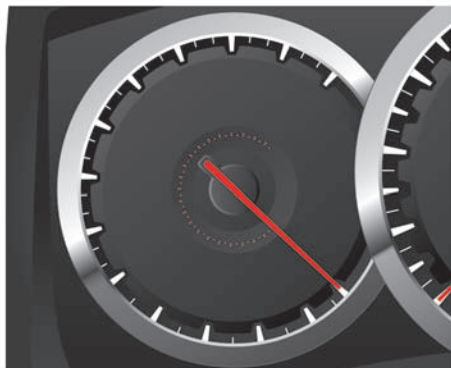


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4. Transmission position indicator (P.2-7)
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6. ENTER switch (P.2-13)

7. Instrument brightness control switch (P.2-10)
8. Vehicle information display (P.2-10)
9. Odometer/twin trip odometer (P.2-5)
10. Fuel gauge (P.2-7)
11. NEXT switch (P.2-13)

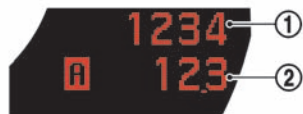
### NOTE:

- Meters and gauges will illuminate when the ignition switch is pushed to the ON position.
- The needle indicators may move slightly after the ignition switch is pushed to the OFF position. This does not indicate that there is a malfunction.



## SPEEDOMETER

The speedometer indicates the vehicle speed.



## ODOMETER/TWIN TRIP ODOMETER

The odometer ① indicates the total distance that the vehicle has been driven.

The twin trip odometer ② indicates the distance of individual trips.

### Changing the display

Press the TRIP A/B RESET switch to change between trips **A** and **B**.

### Resetting the trip odometer

To reset a trip, display the trip that you want to reset to zero, then press and hold the TRIP A/B RESET switch for more than 1 second.

### NOTE:

When the battery is disconnected, the memory for trips **A** and **B** is erased, and both return to zero.

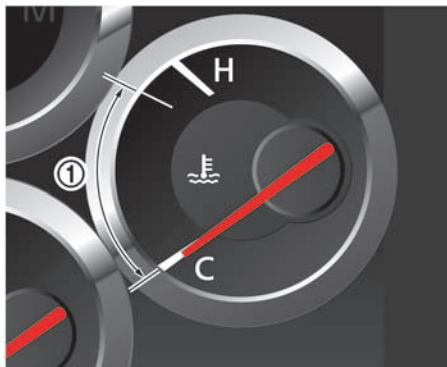


## TACHOMETER

The tachometer indicates the engine speed in revolutions per minute (rpm). Do not rev the engine into the red zone ①.

### NOTICE

**When engine speed approaches the red zone, shift to a higher gear or reduce engine speed. Operating the engine in the red zone may cause serious engine damage.**



## ENGINE COOLANT TEMPERATURE GAUGE

The gauge indicates the engine coolant temperature.

The engine coolant temperature is within the normal range when the gauge needle points within the zone ① shown in the illustration.

The engine coolant temperature varies with the outside air temperature and driving conditions.

### NOTICE

If the gauge indicates engine coolant temperature near the hot (H) end of the normal range, reduce vehicle speed to decrease temperature. If gauge is over the normal range, stop the vehicle as soon as safely possible. If the engine is overheated, continued operation of the vehicle may seriously damage the engine. (👉 “IF YOUR VEHICLE OVERHEATS” page 6-6)



## FUEL GAUGE


The gauge indicates the **approximate** fuel level in the tank.



The gauge may move slightly during braking, turning, acceleration, or going up or down hills.

The gauge needle returns to E (Empty) after the ignition switch is pushed to the LOCK position.




**Refill the fuel tank before the gauge registers “E” (Empty).**

The low fuel warning will be indicated on the vehicle information display when the fuel tank is getting low. Refuel as soon as it is convenient, preferably before the gauge reaches “E”. There

will be a small reserve of fuel in the tank when the fuel gauge needle reaches “E”. (  “LOW FUEL WARNING” page 2-37)

The  indicates that the fuel-filler door is located on the passenger’s side of the vehicle. (  “FUEL-FILLER DOOR” page 3-22)

### NOTE:

If the vehicle runs out of fuel, the  **Malfunction Indicator Light (MIL)** may come on. Refuel as soon as possible. After a few driving trips, the  light should turn off. If the light remains on after a few driving trips, have the vehicle inspected by a GT-R certified NISSAN dealer. (  “Malfunction Indicator Light (MIL)” page 6-28)



## TRANSMISSION POSITION INDICATOR

The transmission position indicator indicates the gear positions.

The indicator blinks if it is not possible to shift to the selected gear when in the **M** position.



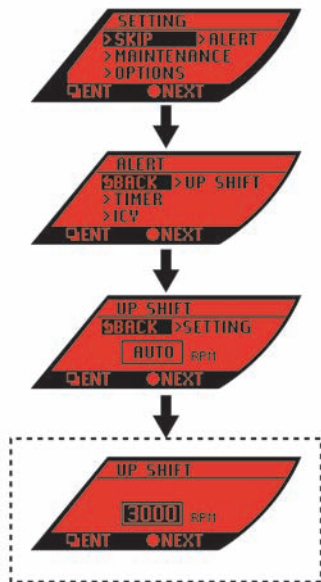
1. Upshift indicator (green)
2. Upshift indicator (yellow)
3. Upshift indicator (red)

## UPSHIFT INDICATOR


When the upshift indicator is set to on, the indicators on the tachometer will illuminate to help upshift at a constant engine speed from any gear or to warn the driver of over-revving.



The upshift indicator operates only when the shift lever is in the **M** position. This function consists of two modes that can be selected on the vehicle information display: AUTO setting and MANUAL setting.



| MODE           | INDICATOR | COLOR    | CONDITIONS   |
|----------------|-----------|----------|--|
| AUTO setting   |           | No color | Light is off at all times.   |
|                |           | Yellow   | Light comes on about 700 RPM before the red zone.                          |
|                |           | Red      | Light comes on immediately before the red zone.                            |
| MANUAL setting |           | Green    | Light blinks about 500 RPM before the set RPM and comes on at the set RPM. |
|                |           | Yellow   | Light comes on about 700 RPM before the red zone.                          |
|                |           | Red      | Light comes on immediately before the red zone.                            |




## Setting

Push the ignition switch to the ON position. Use the ENTER switch  and toggle the vehicle information display to show the SETTING screen.

Use the NEXT switch  and ENTER switch  to go to ALERT > UPSHIFT. The current status of the upshift indicator will be shown on the UPSHIFT screen. Note that the function is set to AUTO as the factory default setting.

To change the upshift indicator mode, choose SETTING on the UPSHIFT screen. Set one of the following modes by pushing the NEXT switch , and then push ENTER  to complete.

- AUTO
- 3,000 to 6,300 RPM (MANUAL)
- OFF

The number will increase by 100 RPM. To increase the number by 500 RPM, push and hold the NEXT switch .

## Example

### When the maximum engine speed is desired:


Set the upshift indicator to AUTO. The yellow indicator illuminates approximately 700 RPM before the red zone, and the red indicator

illuminates just before the red zone.

### When the maximum engine torque is desired:

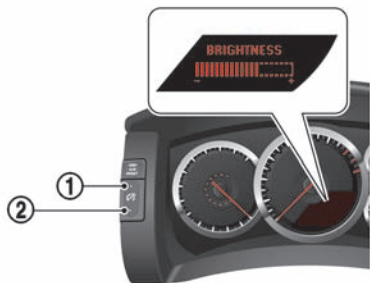
Set the figure at 5,200 RPM. The green indicator starts flashing from approximately 4,700 RPM and illuminates at 5,200 RPM.

### When breaking-in the vehicle:

To help avoid high engine speeds during break-in, set the upshift indicator to less than 3,500 RPM. The green indicator starts flashing approximately 500 RPM before the set figure and illuminates from the set figure. (  "BREAK-IN SCHEDULE" page 5-32)

### NOTE:

- **There may be a slight difference between the timing of the upshift indicator illumination and the tachometer indication.**
- **When the battery terminal is disconnected, the set memory will be erased and the mode returns to the default.**



## INSTRUMENT BRIGHTNESS CONTROL

The instrument brightness can be adjusted when the ignition switch is in the ON position. Press the switch to adjust the brightness up **①** or down **②**. The brightness level is shown on the vehicle information display.

When the headlights are on, the brightness of the interior switches is also adjusted at the same time.

### NOTE:






- **The instrument brightness can be adjusted separately for daytime and nighttime conditions. The adjusted set-**

**tings are automatically stored.**

- **When the battery terminal is disconnected, the set memory will be erased and the setting returns to the default.**

## VEHICLE INFORMATION DISPLAY

The vehicle information display can display the following information.


- Engine oil level display
- Transmission system check display
- Instrument brightness control level display (  "INSTRUMENT BRIGHTNESS CONTROL" page 2-10)
- Drive computer (  "DRIVE COMPUTER" page 2-13)
- Warning display (  "WARNING DISPLAY" page 2-31)
- Operation display (  "OPERATION DISPLAYS" page 2-39)
- Cruise control display (  "CRUISE CONTROL" page 5-28)



### ENGINE OIL LEVEL DISPLAY


When the ignition switch is pushed to the ON position, the engine oil status before starting the engine is indicated as illustrated.

#### When the oil level is normal

"OIL LEVEL OK" is displayed. Press the displayed LEVEL switch  to check the oil level.




#### NOTE:

**The engine oil level can be displayed after the "OIL LEVEL OK" display turns off or while the engine is started and running.** (  "Maintenance" page 2-19)



#### When the oil level is low

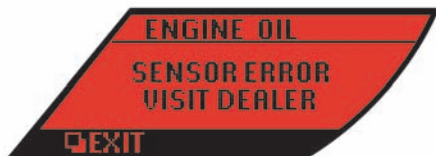
If the message shown above is displayed, the engine oil level is low.

Warm up the engine in a level location. After at least 5 minutes have passed since engine stop, use the engine oil level gauge to check the oil level. (  "ENGINE OIL" page 8-12)

If the oil level is low, have additional engine oil added, or the oil changed, at a GT-R certified NISSAN dealer.

## NOTICE

If the vehicle is in a location that is not level, accurate measurement of the oil level may not be possible. If “LOW OIL LEVEL” is displayed, but the level shown by the oil level gauge is normal, move the vehicle to a level location and stop the engine. After at least 5 minutes have passed, open the driver’s door and push the ignition switch back to ON. If the “LOW OIL LEVEL” message appears again, have engine oil added or the oil changed.



### When the oil level sensor malfunction occurs

If the message shown above is displayed, the engine oil level sensor may be malfunctioning.

Contact a GT-R certified NISSAN dealer immediately.



### TRANSMISSION SYSTEM CHECK DISPLAY

This is displayed after the engine is started while the transmission system is being checked. It turns off after a few seconds.



#### NOTE:

- During the system check, the shift lever cannot be moved out of the **P** position. Operate the shift lever after the system check indicator turns off.
- During winter or at other times when the temperature is extremely low, changes in the hydraulic response characteristics may increase the

amount of time that is required for the system check. During the system check, a thudding operating noise may occur or the engine speed may decrease, however this does not indicate that there is a malfunction.

## DRIVE COMPUTER




1. ENTER switch 
2. NEXT switch 
3. Vehicle information display


The drive computer displays the following information:

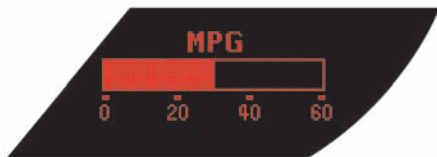
- Current fuel consumption
- Vehicle speed
- Cruise control
- Average fuel consumption and speed
- Elapsed time and trip computer
- Distance to empty
- Outside air temperature

- Setting
- Warning

The vehicle information display ③ can be changed when the ignition switch is in the ON position. Press the ENTER switch  ① to change the display.

### NOTE:

- The cruise control display is shown if cruise control is set. (  “CRUISE CONTROL” page 5-28)
- The warning display is not shown if there are no conditions to warn the driver.
- Depending on the driving conditions and other factors, the displayed values may differ from the actual values.
- The position of the speedometer needle and the speed shown in the vehicle information display may slightly differ.



### **CURRENT FUEL CONSUMPTION**

The instantaneous fuel economy is displayed after the start of driving.



### **VEHICLE SPEED**


This displays the vehicle speed while driving.



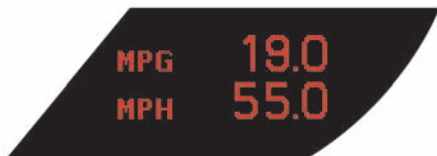
### **CRUISE CONTROL**

This displays the set cruise control status.

#### **NOTE:**

The cruise control display is shown if cruise control is set. (  "CRUISE CONTROL" page 5-28)

- The values are updated approximately every 30 seconds.



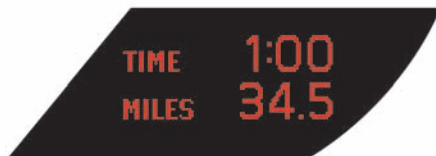
### **AVERAGE FUEL CONSUMPTION AND SPEED**

This displays the average fuel economy and average vehicle speed beginning from the time when the display was last reset.

To reset the display, press and hold the NEXT switch ● for more than 1 second. (The average fuel economy and average vehicle speed are reset at the same time.)

#### **NOTE:**

- “----” is displayed during the first 1/3 mile (500 m) or the first 30 seconds after a reset.



### **ELAPSED TIME AND TRIP ODOMETER**

This displays the elapsed time and trip odometer beginning from the time when the display was last reset.

To reset the display, press and hold the NEXT switch ● for more than 1 second. (The elapsed time and trip odometer are reset at the same time.)



indicate that there is a malfunction.


- The values are updated approximately every 30 seconds.



## DISTANCE TO EMPTY

This displays the approximate distance that the vehicle can be driven based on the amount of fuel remaining in the fuel tank and the actual fuel consumption.

### NOTE:

- If the fuel level is low, the low fuel warning will be displayed. (  "LOW FUEL WARNING" page 2-37)
- If the vehicle is not refueled after the low fuel warning appears, the display will change to "----". This change timing may become earlier depending on the driving conditions. This does not

## OUTSIDE AIR TEMPERATURE

This displays the outside air temperature.

### NOTE:

- The outside air temperature may not be displayed correctly in the following cases.
  - The outside air temperature is lower than  $-22^{\circ}\text{F}$  ( $-30^{\circ}\text{C}$ ) or is higher than  $131^{\circ}\text{F}$  ( $55^{\circ}\text{C}$ ).
  - The vehicle is stopped or is driving at a low speed (less than approximately 12 MPH (20 km/h)).
  - The temperature in the engine compartment is high.

- When the outside air temperature is lower than 37°F (3°C), the low outside temperature warning will be displayed and “ICY” is indicated on the outside air temperature display. (☞ “Low outside temperature warning” page 2-18)



### SETTING (drive computer)

This is used to set the alert, maintenance and optional settings.

Use the NEXT switch ● to select an item, then confirm with the ENTER switch ◻ to change to the corresponding setting screen.

To return to the initial setting screen, press and hold the ENTER switch ◻ for more than 1 second.

#### NOTE:

- When the battery terminal is disconnected, the set memory will be erased and the settings return to the default.
- Setting is not possible in the following

cases.


- The vehicle is being driven.
- A warning display is active.
- The instrument brightness control level display is active.
- The cruise control status is displayed.



## Alert


This function can be used to make settings for the upshift indicator, "time to rest" indicator and low outside temperature warning.

### Upshift indicator:

For details concerning the upshift indicator, refer to the following section. (  "UPSHIFT INDICATOR" page 2-8)

### "Time to rest" indicator:

This alert informs the driver that the set driving time has elapsed.

On the TIMER screen, push the NEXT switch  to change the time. Push and hold the switch to increase the number every 1 hour. A maximum of 6 hours can be set.

#### NOTE:

The default setting is OFF.

### Low outside temperature warning:

This alert informs the driver when the outside air temperature is lower than 37°F (3°C).

On the ICY screen, push the NEXT switch  to turn this warning ON/OFF.

#### NOTE:

The default setting is ON.




## Maintenance

This function can be used to set the various maintenance intervals and to check the engine oil level. The reminders shown below are used to notify the driver of the maintenance intervals.



### NOTE:

**Because these are displayed based on the mileage driven, they do not indicate the actual conditions of the vehicle. Use these functions only as a reference.**


Input the maintenance distance using the following items:

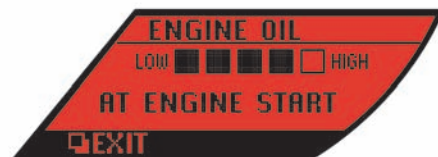
- On each setting screen, push the NEXT switch  to change the mileage. Push

and hold the switch to increase the number every 600 miles (1,000 km).

- Set to “—” to set no reminders.
- To reset the accumulated mileage to zero, go to the RESET screen, then push the NEXT switch  and confirm with the ENTER switch .


### NOTE:

- **To restore the mileage to the original figure after resetting, press the NEXT switch  again.**
- **When the battery terminal is disconnected, the set mileage will be erased and the settings will return to their default settings.**



## Engine oil level:

This can be used to check the pre-start oil level while the engine is running. Select SETTING > MAINTENANCE > OIL > ENGINE OIL > LEVEL.

If the low level reminder appears, check the level using the engine oil dipstick. (  “CHECKING ENGINE OIL LEVEL” page 8-12)



### Engine oil:

When the set mileage approaches, the reminder will appear on the display and the remaining distance is displayed at regular intervals. Select SETTING > MAINTENANCE > OIL > ENGINE OIL to set or reset the mileage for the engine oil change.

#### NOTE:

The default setting is 6,000 miles (10,000 km). The maximum mileage that can be set is 6,000 miles (10,000 km).



### Engine oil filter:

The reminder is displayed when the set mileage is exceeded. Select SETTING > MAINTENANCE > FILTER to set or reset the mileage for the engine oil filter change.

#### NOTE:

The default setting is OFF. The maximum mileage that can be set is 6,000 miles (10,000 km).



### Transmission oil:

The reminder is displayed when the set mileage is exceeded. Select SETTING > MAINTENANCE > OIL > T/M OIL to set or reset the mileage for the transmission oil change.

#### NOTE:

The default setting is 18,500 miles (30,000 km). The maximum mileage that can be set is 18,500 miles (30,000 km).



### Tires:

The reminder is displayed when the set mileage is exceeded. Select SETTING > MAINTENANCE > TIRE to set or reset the mileage for the tire change.

### NOTE:

The default setting is OFF.

### Options

This function can be used to make settings for language and unit.

### Language:


Select ENGLISH or FRANCAIS for use in the vehicle information display.


### Unit:

Select METRIC or US for use in the vehicle information display.

### WARNING (drive computer)


Warning information is displayed on the vehicle information display.

Press the ENTER switch  while a warning display is active to return to the original display.

It is also possible to check any warnings that have not been corrected. ( "WARNING DISPLAY" page 2-31)

### Checking the warnings

Use the NEXT switch  to select "DETAILS", then confirm with the ENTER switch .

When there are multiple warnings, press the ENTER switch  to change the display






















among them.

To return to the initial warning, press and hold the ENTER switch  for more than 1 second.

**NOTE:**

**If there are no warnings to display, only “SKIP” can be selected.**

## WARNING/INDICATOR LIGHTS AND AUDIBLE REMINDERS

|   |  |   |                                    |   |   |
|---|--|---|------------------------------------|---|---|
|  <b>AWD</b>   | All-Wheel Drive (AWD) warning light          |  <b>KEY</b>  | Intelligent Key warning light      |  <b>SET</b>                            | Cruise set switch indicator light                 |
|  <b>ABS</b>   | Anti-lock Braking System (ABS) warning light |  <b>TPMS</b> | Low tire pressure warning light    |  <b>OFF</b><br>FRONT PASSENGER AIR BAG | Front passenger air bag status light              |
|  <b>(!)</b>   | Master warning light                         |  <b>(!)</b>  | Master warning light               |  <b>HD</b>                             | High beam indicator light (blue)                  |
|  <b>BRAKE</b> | Brake warning light                          |  <b>(!)</b>  | Seat belt warning light            |  <b>SERVICE ENGINE SOON</b>            | Malfunction Indicator Light (MIL)                 |
|  <b>(!)</b>   | Charge warning light                         |  <b>(!)</b>  | Supplemental air bag warning light |  <b>(!)</b>                            | Slip indicator light                              |
|  <b>(!)</b>   | Engine oil pressure warning light            |  <b>(!)</b>  | Transmission warning light         |  <b>← →</b>                            | Turn signal/hazard indicator lights               |
|  <b>(!)</b>   | Cruise main switch indicator light           |  <b>(!)</b>  | Cruise main switch indicator light |  <b>VDC OFF</b>                        | Vehicle Dynamic Control (VDC) off indicator light |

## CHECKING BULBS

With all doors closed, apply the parking brake and push the ignition switch to the ON position without starting the engine. The following lights will come on:

 **CRUISE**, **BRAKE** OR **(!)**,  **SERVICE ENGINE SOON**,  **(!)**, **AWD**,

The following lights come on briefly and then go off:

 **(!)**, **ABS** OR **(!)**,  **(!)**,  **(!)**, **VDC OFF**, **(!)**,  **(!)**


If any light does not come on, it may indicate a

burned-out bulb or an open circuit in the electrical system. Have the system checked by a GT-R certified NISSAN dealer.

## WARNING LIGHTS

### **AWD** All-Wheel Drive (AWD) warning light

The **AWD** warning light comes on when the ignition switch is pushed to ON. It turns off soon after the engine is started.


If the AWD system malfunctions, the warning light will either remain illuminated or blink. (  "ALL-WHEEL DRIVE (AWD)" page 5-34)

## CAUTION

- If the warning light comes on while driving there may be a malfunction in the AWD system. Reduce the vehicle speed and have your vehicle checked by a GT-R certified NISSAN dealer as soon as possible.
- If the AWD warning light blinks on when you are driving:
  - blinks rapidly (about twice a second):

Pull off the road in a safe area, and idle the engine. The driving mode will change to RWD to prevent the AWD system from malfunctioning. If the warning light turns off, you can drive again.

- blinks slowly (about once every 2 seconds):

Pull off the road in a safe area, and idle the engine. Check that all tire sizes are the same as that specified on the Tire and Loading Information label located in the driver's door opening, tire pressure is correct and tires are not worn. (  "TIRE AND LOADING INFORMATION LABEL" page 9-10)

If the tire pressure is insufficient, fill with nitrogen gas. Contact a GT-R certified NISSAN dealer about filling with nitrogen gas. If nitrogen gas is not available, compressed air may be safely used under normal driving conditions. However, NISSAN recommends refilling with nitrogen gas for maximum

tire performance.


- If the warning light is still on after the above operations, have your vehicle checked by a GT-R certified NISSAN dealer as soon as possible.



**Anti-lock Braking System (ABS) warning light**

When the ignition switch is in the ON position, the Anti-lock Braking System (ABS) warning light illuminates and then turns off. This indicates the ABS is operational.

If the ABS warning light illuminates while the engine is running, or while driving, it may indicate the ABS is not functioning properly. Have the system checked by a GT-R certified NISSAN dealer.

If an ABS malfunction occurs, the anti-lock function is turned off. The brake system then operates normally, but without anti-lock assistance. (  "BRAKE SYSTEM" page 5-38)



**Brake warning light**


This light functions for both the parking brake and the foot brake systems.

**Parking brake indicator:**


When the ignition switch is in the ON position, the light comes on when the parking brake is applied.

**Low brake fluid warning light:**

When the ignition switch is in the ON position, the light warns of a low brake fluid level. If the light comes on while the engine is running with the parking brake not applied, stop the vehicle and perform the following:

1. Check the brake fluid level. Add brake fluid as necessary. (  "BRAKE FLUID" page 8-14)
2. If the brake fluid level is correct, have the warning system checked by a GT-R certified NISSAN dealer.

**Anti-lock Braking System (ABS) warning indicator:**

When the parking brake is released and the brake fluid level is sufficient, if both the brake warning light and the Anti-lock Braking System (ABS) warning light illuminate, it may indicate the ABS is not functioning properly. Have the brake system checked, and if necessary repaired, by a GT-R certified NISSAN dealer promptly. Avoid high-speed driving and abrupt braking. (  "Anti-lock Braking System (ABS) warning light" page 2-24)

## WARNING

- Your brake system may not be working properly if the warning light is on. Driving could be dangerous. If you judge it to be safe, drive carefully to the nearest service station for repairs. Otherwise, have your vehicle towed because driving it could be dangerous.
- Pressing the brake pedal with the engine stopped and/or low brake fluid level may increase your stopping distance and braking will require greater pedal effort as well as pedal travel.
- If the brake fluid level is below the minimum or MIN mark on the brake fluid reservoir, do not drive until the brake system has been checked at a GT-R certified NISSAN dealer.

## Charge warning light



If the light comes on while the engine is running, it may indicate the charging system is not functioning properly. Turn the engine off and check the alternator belt. If the belt is loose, broken, missing or if the light remains on, see a GT-R certified NISSAN dealer immediately.

## NOTICE

**Do not continue driving if the alternator belt is loose, broken or missing.**

## Engine oil pressure warning light

This light warns of low engine oil pressure. If the light flickers or comes on during normal driving, pull off the road in a safe area, stop the engine **immediately** and call a GT-R certified NISSAN dealer.

**The engine oil pressure warning light is not designed to indicate a low oil level. Check the vehicle information display or use the dipstick to check the oil level.** (  "ENGINE OIL LEVEL DISPLAY" page 2-11) (  "CHECKING ENGINE OIL LEVEL" page 8-12)

## NOTICE

**Running the engine with the engine oil pressure warning light on could cause serious damage to the engine almost immediately. Turn off the engine as soon as it is safe to do so.**

## Intelligent Key warning light

After the ignition switch is pushed to the ON position, this light comes on for about 2 seconds and then turns off.

This light warns of a malfunction with the electrical steering lock system or the Intelligent Key system.

If the light comes on while the engine is stopped, it may be impossible to free the steering lock or to start the engine. If the light comes on while the engine is running, you can drive the vehicle. However in these cases, contact a GT-R certified NISSAN dealer for repair as soon as possible.

## Low tire pressure warning light



Your vehicle is equipped with a Tire Pressure Monitoring System (TPMS) that monitors the tire pressure of all tires.

The low tire pressure warning light warns of low tire pressure and flat tire, or indicates that the TPMS is not functioning properly.

After the ignition switch is pushed ON, this light illuminates for about 1 second and turns off.

### **Low tire pressure warning:**

If the vehicle is being driven with low tire pressure, the warning light will illuminate.

**When the low tire pressure warning light illuminates, you should stop and adjust the tire pressure of all 4 wheels to the recommended COLD tire pressure shown on the Tire and Loading Information label located in the driver's door opening. The low tire pressure warning light does not automatically turn off when the tire pressure is adjusted. After the tire is inflated to the recommended pressure, the vehicle must be driven at speeds above 16 MPH (25 km/h) to activate the TPMS and turn off the low tire pressure warning light. Use a tire pressure gauge to check the tire pressure. (  "TIRE PRESSURE MONITORING SYSTEM (TPMS)" page 5-3) (  "TIRE PRESSURE MONITORING SYSTEM (TPMS)" page 6-2)**

### **Run-flat tire warning:**



The run-flat tire warning light warns of a flat tire.

If the vehicle is being driven with one or more flat tires, the warning light will illuminate continuously and a chime will sound for 10 seconds.



The chime will only sound at the first indication of a flat tire and the warning light will illuminate continuously. When the Flat tire warning is activated, have the system reset and the tire checked and replaced if necessary by a GT-R certified NISSAN dealer. Even if the tire is inflated to the specified COLD tire pressure, the

warning light will continue to illuminate until the system is reset by a GT-R certified NISSAN dealer.

If you select the tire pressure information in the multi function display, the LOW PRESSURE warning message will be displayed. The tire pressure for each tire will also be displayed. Refer to the separate Multi Function Display Owner's Manual.

Your vehicle can be driven for a limited time on a flat tire. (  "TIRE PRESSURE MONITORING SYSTEM (TPMS)" page 5-3) (  "TIRE PRESSURE MONITORING SYSTEM (TPMS)" page 6-2)

### **TPMS malfunction:**

If the TPMS is not functioning properly, the low tire pressure warning light will flash for approximately 1 minute when the ignition switch is pushed ON. The light will remain on after the 1 minute. Have the system checked by a GT-R certified NISSAN dealer. (  "TIRE PRESSURE MONITORING SYSTEM (TPMS)" page 5-3) (  "TIRE PRESSURE" page 8-29)

## **WARNING**

- **If the light does not illuminate with the ignition switch pushed ON, have the vehicle checked by a GT-R certified NISSAN dealer as soon as**

**possible.**

- **If the light illuminates while driving, avoid sudden steering maneuvers or abrupt braking, reduce vehicle speed, pull off the road to a safe location and stop the vehicle as soon as possible. Driving with under-inflated tires may permanently damage the tires and increase the likelihood of tire failure. Serious vehicle damage could occur and may lead to an accident and could result in serious personal injury. Check the tire pressure for all four tires. Adjust the tire pressure to the recommended COLD tire pressure shown on the Tire and Loading Information label located in the driver's door opening to turn the low tire pressure warning light off. If the light still illuminates while driving after adjusting the tire pressure, a tire may be flat.**
- **Although you can continue driving with a punctured run-flat tire, remember that vehicle handling stability is reduced, which could lead to an accident and personal injury. Also, driving a long distance at high**

speeds may damage the tires.

- Do not drive at speeds above 50 MPH (80 km/h) and do not drive more than 50 miles (80 km) with a punctured run-flat tire. The actual distance the vehicle can be driven on a flat tire depends on outside temperature, vehicle load, road conditions and other factors.
- When a wheel is replaced, the TPMS will not function and the low tire pressure warning light will flash for approximately 1 minute. The light will remain on after the 1 minute. Contact a GT-R certified NISSAN dealer as soon as possible for tire replacement and/or system resetting.
- Replacing tires with those not originally specified by NISSAN could affect the proper operation of the TPMS.

## CAUTION


- The TPMS is not a substitute for the regular tire pressure check. Be sure to check the tire pressure regularly.

- Be sure to install the specified size of tires on the four wheels.

### NOTE:


- If the vehicle is being driven at speeds of less than 16 MPH (25 km/h), the TPMS may not operate correctly.
- The tires of this vehicle are filled with nitrogen gas. When the tire pressure is low, fill the tires with nitrogen gas. Contact a GT-R certified NISSAN dealer for information on filling the tires with nitrogen gas.

### Master warning light

When the ignition switch is in the ON position, the master warning light illuminates if any of the warning displays appear on the vehicle information display. (  "WARNING DISPLAY" page 2-31)

### Seat belt warning light and chime

The light and chime remind you to fasten seat belts. The light illuminates whenever the ignition switch is pushed to the ON position, and will remain illuminated until the driver's seat belt is fastened. At the same time, the chime will sound for about 6 seconds unless the driver's seat belt is securely fastened.


The seat belt warning light for the front passenger will illuminate if the seat belt is not fastened when the front passenger's seat is occupied. For 6 seconds after the ignition switch is in the ON position, the system does not activate the warning light for the front passenger. (  "SEAT BELTS" page 1-5)

### Supplemental air bag warning light

After pushing the ignition switch to the ON position, the supplemental air bag warning light will illuminate for about 7 seconds and then turn off. This means the system is operational.

If any of the following conditions occur, the front air bag, side air bag, curtain air bag and pretensioner systems need servicing and your vehicle must be taken to a GT-R certified NISSAN dealer.

- The supplemental air bag warning light remains on after approximately 7 seconds.
- The supplemental air bag warning light flashes intermittently.
- The supplemental air bag warning light does not come on at all.

Unless checked and repaired, the supplemental restraint system (air bag system) and/or the pretensioners may not function properly. (  "SUPPLEMENTAL RESTRAINT SYS-

## WARNING

If the supplemental air bag warning light is on, it could mean that the front air bag, side air bag, curtain air bag and/or pretensioner systems will not operate in an accident. To help avoid injury to yourself or others, have your vehicle checked by a GT-R certified NISSAN dealer as soon as possible.

### Transmission warning light

This light warns of the following malfunctions.

#### Transmission system malfunction:

The light blinks if a malfunction in the transmission system occurs. If the light blinks, certain gear positions may become unusable, so that the vehicle may become undrivable. Have the system inspected promptly by a GT-R certified NISSAN dealer.

#### Transmission oil temperature high:

The light illuminates if the transmission oil temperature becomes unusually high. If the light illuminates, avoid driving at high speed or at high engine speed until the light turns off. If the light illuminates frequently, contact a GT-R certified NISSAN dealer.

## NOTICE

Continuing to drive with the light illuminated could cause serious damage to the transmission.

#### Transmission clutch temperature high:

The light illuminates if clutch temperature becomes unusually high. If the light illuminates, pull off the road in a safe area and idle the engine. When the light turns off, driving can be resumed. If the light illuminates frequently, contact a GT-R certified NISSAN dealer.

## NOTICE

- Continuing to drive with the light on could cause serious damage to the transmission.
- If the light continues to stay on, engine power will be suppressed and the clutch will not be engaged to prevent serious damage to the clutch.

### Cruise main switch indicator light

The light comes on when the cruise control is pushed. The light turns off when the main switch is pushed again. While the cruise control system main switch indicator light is on, the cruise



control system is operational.

### Cruise set switch indicator light

The light comes on while the vehicle speed is controlled by the cruise control system. If the light blinks while the engine is running, it may indicate the cruise control system is not functioning properly. Have the system checked by a GT-R certified NISSAN dealer.

## INDICATOR LIGHTS

### Front passenger air bag status light

The front passenger air bag status light () will be lit and the passenger front air bag will be OFF depending on how the front passenger seat is being used. (  "NISSAN ADVANCED AIR BAG SYSTEM (front seats)" page 1-36)


### High beam indicator light (blue)


This light comes on when the headlight high beam is on and goes out when the low beam is selected.

### Malfunction Indicator Light (MIL)

If the malfunction indicator light comes on steady or blinks while the engine is running, it may indicate a potential emission control malfunction.



The malfunction indicator light may also come on steady if the fuel-filler cap is loose or missing, or if the vehicle runs out of fuel. Check to make sure the fuel-filler cap is installed and closed tightly, and that the vehicle has at least 3 US gallons (14 liters) of fuel in the fuel tank.

After a few driving trips, the  light should turn off if no other potential emission control system malfunction exists.

If this indicator light remains on for 20 seconds and then blinks for 10 seconds when the engine is not running, it indicates that the vehicle is not ready for an emission control system inspection/maintenance test. (  "READINESS FOR INSPECTION/MAINTENANCE (I/M) TEST (US only)" page 9-16)

### Operation:

The malfunction indicator light will come on in one of two ways:

- Malfunction indicator light on steady — An emission control system malfunction has been detected. Check the fuel-filler cap. If the fuel-filler cap is loose or missing, tighten or install the cap and continue to drive the vehicle. The  light should turn off after a few driving trips. If the  light does not turn off after a few driving trips, have the vehicle inspected by a GT-R certified NISSAN dealer. You do not need to have your vehicle towed to the dealer.

- Malfunction indicator light blinking — An engine misfire has been detected which may damage the emission control system.

To reduce or avoid emission control system damage:

- a) Do not drive at speeds above 45 MPH (72 km/h).
- b) Avoid hard acceleration or deceleration.
- c) Avoid steep uphill grades.
- d) If possible, reduce the amount of cargo being hauled or towed.

The malfunction indicator light may stop blinking and remain on.

Have the vehicle inspected by a GT-R certified NISSAN dealer. You do not need to have your vehicle towed to the dealer.

## NOTICE

**Continued vehicle operation without having the emission control system checked and repaired as necessary could lead to poor driveability, reduced fuel economy, and possible damage to the emission control system.**



### Slip indicator light

This indicator will blink when the VDC system is operating, thus alerting the driver to the fact that the road surface is slippery and the vehicle is nearing its traction limits.





### Turn signal/hazard indicator lights

The light flashes when the turn signal switch lever or hazard switch is turned on.



### Vehicle Dynamic Control (VDC) off indicator light

The light comes on when the Vehicle Dynamic Control (VDC) set up switch is pushed to OFF for more than 1 second. (  "VDC, TRANSMISSION AND SUSPENSION SETUP SWITCHES" page 5-21)



This indicates that the VDC system is not operating. When the VDC off indicator light and slip indicator light come on with the VDC system turned on, this light alerts the driver to the fact that the fail-safe mode is operating, for example the VDC system or the hill start assist system may not be functioning properly. Have the system checked by a GT-R certified NISSAN dealer. If a malfunction occurs in the system, the VDC system function will be canceled but the vehicle is still driveable. (  "VEHICLE DYNAMIC CONTROL (VDC) SYSTEM" page 5-40)

## **AUDIBLE REMINDERS**

### **Key reminder chime**

A chime will sound if the driver side door is opened while the ignition switch is pushed to the ACC position or pushed to the OFF or LOCK position with the Intelligent Key left in the Intelligent Key port. Make sure the ignition switch is pushed to the OFF position, and take the Intelligent Key with you when leaving the vehicle.

### **Light reminder chime**

A chime will sound when the driver side door is opened with the light switch in the  or  position and the ignition switch in the ACC, OFF or LOCK position.

Turn the light switch off when you leave the vehicle.

### **Parking brake reminder chime**

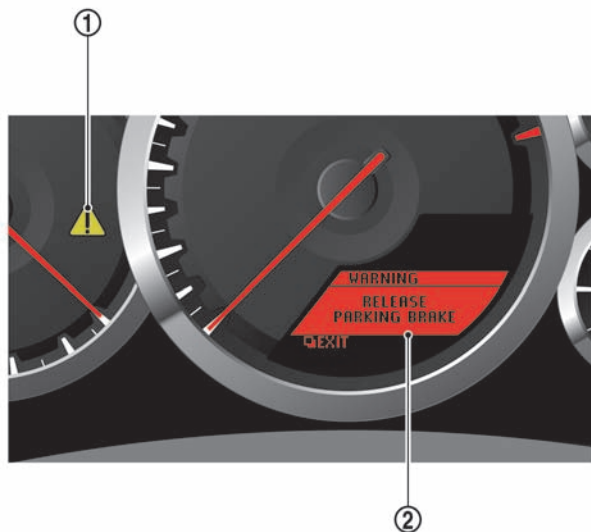
A chime will sound if the vehicle speed is above 4 MPH (7 km/h) with the parking brake applied. Stop the vehicle and release the parking brake.


### **Brake pad wear warning**

The disc brake pads have audible wear warnings. When a brake pad requires replacement, it will make a high pitched scraping sound when the vehicle is in motion. This scraping sound will first occur only when the brake pedal is depressed. After the wear of the brake pad is increased, the sound will be heard all the time

even if the brake pedal is not depressed. Have the brakes checked as soon as possible if the warning sound is heard.

## WARNING DISPLAY



If there are multiple warnings, the warning lights remain lit or continue to blink and the warnings displayed in the vehicle information display are switched at regular intervals. The warnings displayed in the vehicle information display can be switched voluntarily by pushing the ENTER switch .

### WARNING


When the warning light illuminates or blinks and a warning is displayed, promptly take the appropriate action. Ignoring the warning may result in

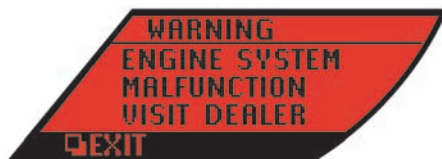
### malfunctions and sudden accidents.

When the items mentioned below are detected the master warning light (1) illuminates and the warning is displayed on the vehicle information display (2). A chime also sounds.




### ENGINE OIL LOW PRESSURE WARNING

This will appear if the engine oil pressure is low. (  "Engine oil pressure warning light" page 2-25)




### ENGINE SYSTEM WARNING

This will appear if a potential emission control malfunction is detected, the fuel-filler cap is loose or missing, or the vehicle runs out of fuel. (  "Malfunction Indicator Light (MIL)" page 2-28)




### SHIFT LEVER POSITION WARNING

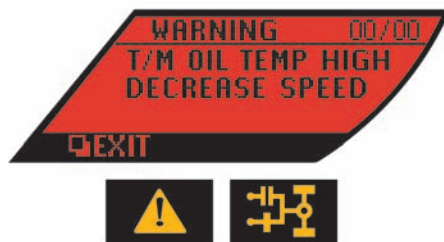
This will appear if the system cannot detect the shift lever position.

Make sure the shift lever is placed in a position properly. (  "DRIVING THE VEHICLE" page 5-13)




### TRANSMISSION SYSTEM WARNING

This will appear if a transmission system malfunction occurs. (  "Transmission system malfunction" page 2-28)




### TRANSMISSION OIL HIGH TEMPERATURE WARNING

This will appear if the transmission oil temperature becomes unusually high. (  "Transmission oil temperature high" page 2-28)





### TRANSMISSION CLUTCH HIGH TEMPERATURE WARNING

This will appear if the transmission clutch temperature becomes unusually high. (  "Transmission clutch temperature high" page 2-28)




### **PARKING BRAKE RELEASE WARNING**

This will appear if the vehicle speed is above 4 MPH (7 km/h) with the parking brake applied. (  "Brake warning light" page 2-24) (  "Parking brake reminder chime" page 2-30)





### **LOW BRAKE FLUID WARNING**

This will appear if the brake fluid level becomes low. (  "Brake warning light" page 2-24)





### **ANTI-LOCK BRAKING SYSTEM (ABS) WARNING**

This will appear if the Anti-lock Braking System (ABS) is not functioning properly. (  "Anti-lock Braking System (ABS) warning light" page 2-24) (  "Brake warning light" page 2-24)




### VEHICLE DYNAMIC CONTROL (VDC) SYSTEM WARNING

This will appear if the Vehicle Dynamic Control (VDC) system or the hill start assist system is not functioning properly. (  "Slip indicator light" page 2-29) (  "Vehicle Dynamic Control (VDC) off indicator light" page 2-29)




### AWD CLUTCH HIGH TEMPERATURE WARNING

This will appear if the fluid temperature of the powertrain becomes unusually high. (  "All-Wheel Drive (AWD) warning light" page 2-23)




### FRONT/REAR TIRE SIZE DISCREPANCY WARNING


This will appear if the diameter of the front and the rear wheels are different. (  "All-Wheel Drive (AWD) warning light" page 2-23)




### AWD SYSTEM WARNING

This will appear if the AWD system is not functioning properly while the engine is running. (  "All-Wheel Drive (AWD) warning light" page 2-23)

### LOW TIRE PRESSURE WARNING

This will appear if the vehicle is being driven with low tire pressure. (  "Low tire pressure warning" page 2-25)

### RUN-FLAT TIRE WARNING

This will appear and a chime will sound if the vehicle is being driven with one or more flat tires. (  "Run-flat tire warning" page 2-26)



### TIRE PRESSURE MONITORING SYSTEM (TPMS) WARNING

This will appear if the Tire Pressure Monitoring System (TPMS) is not functioning properly. (👉 "TPMS malfunction" page 2-26)



### CRUISE CONTROL SYSTEM WARNING

This will appear if the cruise control system is not functioning properly. (👉 "Cruise set switch indicator light" page 2-28)



### LOW FUEL WARNING

This will appear when the fuel level in the tank is getting low. Refuel as soon as it is convenient, preferably before the fuel gauge reaches the empty (E) position.

This displays the approximate distance that the vehicle can be driven based on the amount of fuel remaining in the fuel tank and the actual fuel consumption.

#### NOTE:

- The low fuel warning will appear when the amount of fuel remaining in the tank decreases to approximately 3 US gallons (12 liters).

- The timing of the low fuel warning display may change depending on braking, turning, acceleration, or going up or down hills.
- If the vehicle is not refueled after the low fuel warning appears, the display will change to “----”. This change timing may become earlier depending on the driving conditions. This does not indicate that there is a malfunction.




### DOOR/TRUNK OPEN WARNING

This will appear if any of the doors and/or trunk lid are open or not closed securely. The vehicle icon indicates which door or the trunk lid is open.



### LOW WASHER FLUID WARNING

This will appear when the washer tank fluid is at a low level. Add washer fluid as necessary. (  "WINDOW WASHER FLUID" page 8-15)

## OPERATION DISPLAYS

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unregistered Intelligent Key.  
( "INTELLIGENT KEY SYSTEM" page 3-8)

These displays appear when an appropriate operation is required in starting or stopping the engine.



### NO KEY WARNING

This will appear in either of the following conditions.

#### No key inside the vehicle

The warning appears when the door is closed with the Intelligent Key left outside the vehicle and the ignition switch in the ACC or ON position. Make sure that the Intelligent Key is inside the vehicle.

#### Unregistered Intelligent Key

The warning appears when the ignition switch is pushed from the LOCK position and the Intelligent Key cannot be recognized by the system. You cannot start the engine with an



### ENGINE START OPERATION INDICATOR

This indicator appears when the shift lever is in the **P** position.

This indicator means that the engine will start by pushing the ignition switch with the brake pedal depressed.



### SHIFT "P" WARNING

This warning appears and an inside warning chime sounds when the ignition switch is pushed to stop the engine with the shift lever in any position except the **P** position.

If this warning appears, move the shift lever to the **P** position. This warning will also turn off when pushing the ignition switch to the ON position.



### "PUSH" WARNING

This warning appears when the shift lever is moved to the **P** position with the ignition switch in the ACC position after the SHIFT **P** warning appears.

If this warning appears, push the ignition switch to the OFF position.




### **STEERING LOCK RELEASE MALFUNCTION INDICATOR**

This indicator appears when the steering wheel lock cannot be released from the LOCK position. If this indicator appears, push the ignition switch while lightly turning the steering wheel right and left.



### **INTELLIGENT KEY INSERTION INDICATOR**

This indicator appears when the Intelligent Key needs to be inserted into the Intelligent Key port (for example, the Intelligent Key battery is discharged).

If this indicator appears, insert the Intelligent Key into the Intelligent Key port in the correct direction. (  "INTELLIGENT KEY BATTERY DISCHARGE" page 5-10)



### **INTELLIGENT KEY REMOVAL INDICATOR**

This indicator appears when the driver's door is opened with the ignition switch in the OFF or LOCK position and the Intelligent Key placed in the Intelligent Key port. A key reminder chime also sounds.

If this indicator appears, remove the Intelligent Key from the Intelligent Key port and take it with you when leaving the vehicle.



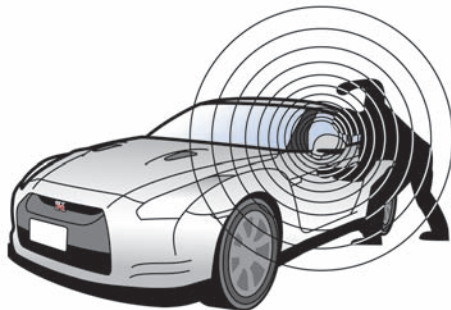
## INTELLIGENT KEY BATTERY DISCHARGE INDICATOR

This indicator appears when the Intelligent Key battery is running out of power.

If this indicator appears, replace the battery with a new one. (  "INTELLIGENT KEY BATTERY REPLACEMENT" page 8-23)

## SECURITY SYSTEMS

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Your vehicle has two types of security systems, as follows:

- Vehicle security system
- NISSAN Vehicle Immobilizer System

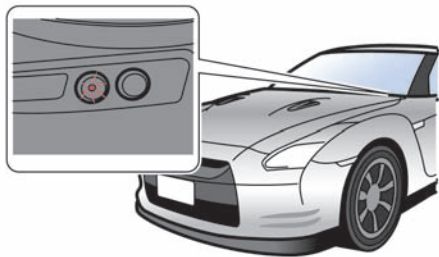
The security condition will be shown by the security indicator light.

### VEHICLE SECURITY SYSTEM

The vehicle security system provides visual and audio alarm signals if someone opens the doors, hood, or trunk lid when the system is armed. It is not, however, a motion detection type system that activates when a vehicle is moved or when a vibration occurs.

The system helps deter vehicle theft but cannot prevent it, nor can it prevent the theft of interior or exterior vehicle components in all situations. Always secure your vehicle even if parking for a brief period. Never leave your Intelligent Key(s) in the vehicle, and always lock it when unattended. Be aware of your surroundings, and park in secure, well-lit areas whenever possible.

Many devices offering additional protection, such as component locks, identification markers, and tracking systems, are available at auto supply stores and specialty shops. Your GT-R certified NISSAN dealer may also offer such equipment. Check with your insurance company to see if you may be eligible for discounts for various theft protection features.



## How to arm the vehicle security system

1. Close all windows.

**The system can be armed even if the windows are open.**

2. Push the ignition switch to the OFF or LOCK position.
3. Remove the Intelligent Key from the vehicle.
4. Close all doors, hood and trunk. Lock all doors. The doors can be locked with the Intelligent Key, door handle request switch or power door lock switch. The power door lock switch should be operated while the door is open, and then closed.

5. Confirm that the security indicator light comes on. The security indicator light stays on for about 30 seconds. The vehicle security system is now pre-armed. After about 30 seconds the vehicle security system automatically shifts into the armed phase. The security light begins to flash once every approximately 3 seconds. If, during this 30-second pre-arm time period, the door is unlocked, or the ignition switch is pushed to ACC or ON, the system will not arm.

**Even when the driver and/or passengers are in the vehicle, the system will activate with all doors, hood, and trunk lid locked with the ignition switch in the LOCK position. When pushing the ignition switch to the ACC or ON position, the system will be released.**

## Vehicle security system activation

The vehicle security system will give the following alarm:

- The headlights blink and the horn sounds intermittently.
- The alarm automatically turns off after approximately 1 minute. However, the alarm reactivates if the vehicle is tampered with again.

The alarm is activated by:

- Unlocking the door or opening the trunk lid without using the button on the Intelligent Key, the door handle request switch or the mechanical key. (Even if the door is opened by releasing the door inside lock knob, the alarm will activate.)
- Opening the hood.

## How to stop an activated alarm

The alarm will stop by unlocking a door by pushing the unlock button on the Intelligent Key or the door handle request switch. The alarm will not stop if the ignition switch is pushed to the ACC or ON position.

**If the system does not operate as described above, have it checked by a GT-R certified NISSAN dealer.**

## NISSAN VEHICLE IMMOBILIZER SYSTEM

The NISSAN Vehicle Immobilizer System will not allow the engine to start without the use of the registered Intelligent Key. **Never leave these keys in the vehicle.**

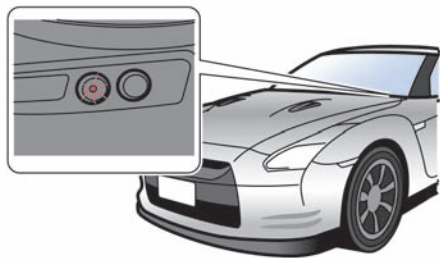
**Statement related to section 15 of FCC rules for NISSAN Vehicle Immobilizer System (CONT ASSY - CARD SLOT)**

**This device complies with part 15 of the**

FCC Rules and RSS-210 of Industry Canada. Operation is subject to the following two conditions;

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation of the device.

**CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.**



**bilizer System service as soon as possible. Please bring all Intelligent Keys that you have when visiting a GT-R certified NISSAN dealer for service.**

### **Security indicator light**

The security indicator light is located on the instrument panel. It indicates the status of the NISSAN Vehicle Immobilizer System.

The light blinks after the ignition switch was in the LOCK position. This function indicates the security systems equipped on the vehicle are operational.

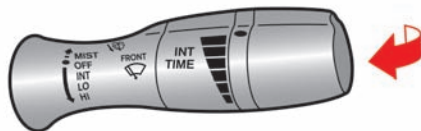
If the NISSAN Vehicle Immobilizer System is malfunctioning, this light will remain on while the ignition switch is in the ON position.

**If the light still remains on and/or the engine will not start, see a GT-R certified NISSAN dealer for NISSAN Vehicle Immo-**



#### NOTE:


- In the MIST position, the wipers operate while the lever is lifted up. When the lever is released, it automatically returns to the OFF position and the wipers stop.
- When the speed sensing wiper interval function is turned on, the intermittent operation speed varies in accordance with the vehicle speed. (For example, when the vehicle speed is high, the intermittent operation speed will be faster.) To turn this function on and off, see the separate Multi Function Display Owner's Manual.
- If the wiper operation is interrupted by snow or ice, the wiper may stop moving to protect its motor. If this occurs, turn the wiper switch to the OFF position and remove the snow or ice on and around the wiper arms. In approximately 1 minute, turn the switch on again to operate the wiper.



#### USING THE WASHER

Pull the lever toward you to operate the washer. Then the wiper will also operate several times.

#### NOTE:

When the level of washer fluid is low, a warning display appears on the vehicle information display. (  "LOW WASHER FLUID WARNING" page 2-38)


## REAR WINDOW DEFROSTER SWITCH



To defog/defrost the rear window, start the engine and push the switch on. The indicator light on the switch will come on. Push the switch again to turn the defroster off.

It will automatically turn off in approximately 15 minutes.

#### NOTE:

When the rear window defroster switch is pressed, the heated outside mirrors also operate at the same time. (  "OUTSIDE MIRRORS" page 3-27)

## NOTICE

When cleaning the inner side of the rear window, be careful not to scratch or damage the rear window defroster.

## HEADLIGHT AND TURN SIGNAL SWITCH

### XENON HEADLIGHTS



#### WARNING



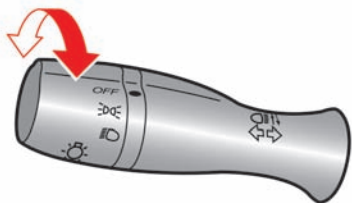
#### HIGH VOLTAGE

- When xenon headlights are on, they produce a high voltage. To prevent an electric shock, never attempt to modify or disassemble. Always have your xenon headlights replaced at a GT-R certified NISSAN dealer.
- Xenon headlights provide considerably more light than conventional headlights. If they are not correctly aimed, they might temporarily blind an oncoming driver or the driver ahead of you and cause a serious accident. If headlights are not aimed correctly, immediately take your vehicle to a GT-R certified NISSAN dealer and have the headlights adjusted correctly.

When the xenon headlight is initially turned on, its brightness or color varies slightly. However, the color and brightness will soon stabilize.

#### NOTE:

- The life of xenon headlights will be shortened by frequent on-off operation. It is generally desirable not to turn off the headlights for short intervals (for example, when the vehicle stops at a traffic signal). Even when the daytime running lights are active (Canada only), the xenon headlights do not turn on. This way the life of the xenon headlights is not reduced.
- If the xenon headlight bulb is close to burning out, the brightness will drastically decrease, the light will start blinking, or the color of the light will become reddish. If one or more of the above signs appear, contact a GT-R certified NISSAN dealer.



## HEADLIGHT SWITCH

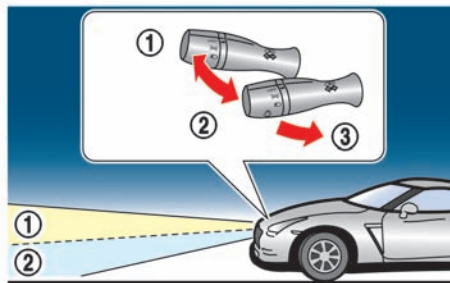
### Lighting

#### Turning the switch to the position:



The front park, side marker, tail, license plate and instrument lights will come on.


#### Turning the switch to the position:


Headlights will come on and all the other lights remain on.



### Headlight beam select

When the headlights are on, push the lever to the front of the vehicle  to switch to the high beams. The high-beam indicator light illuminates. (  "High beam indicator light (blue)" page 2-28)




Pull the lever to the neutral position  to switch to the low beams.



Pulling the lever toward you  will flash the headlight high beam even when the headlight switch is in the OFF position.



## CAUTION

Use low beams when there are cars approaching from the opposite direction, during city driving and at similar times.

### Battery saver system

A chime will sound when the driver side door is opened with the light switch in the  or  position and the ignition switch in the ACC, OFF or LOCK position. (  "Light reminder chime" page 2-30)

When the headlight switch is in the  or  position while the ignition switch is in the ON position, the lights will automatically turn off 5 minutes after the ignition switch has been pushed to the OFF position.

When the headlight switch remains in the  or  position after the lights automatically turn off, the lights will turn on when the ignition switch is pushed to the ON position.


## NOTICE

- **When you turn on the headlight switch again after the lights automatically turn off, the lights will not turn off automatically. Be sure to turn the light switch to the OFF**

position when you leave the vehicle for extended periods of time, otherwise the battery will be discharged.

- Never leave the light switch on when the engine is not running for extended periods of time even if the headlights turn off automatically.

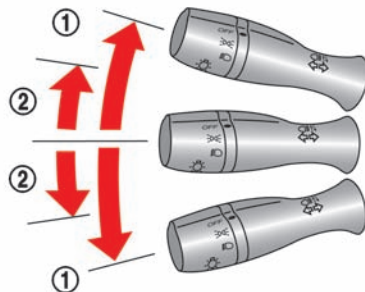
### Daytime running light system (Canada only)

The daytime running lights automatically illuminate when the engine is started with the parking brake released. The daytime running lights operate with the headlight switch in the OFF position. Turn the headlight switch to the  position for full illumination when driving at night.

If the parking brake is applied before the engine is started, the daytime running lights do not illuminate. The daytime running lights illuminate once the parking brake is released. The daytime running lights will remain on until the ignition switch is pushed to the OFF position.

### WARNING

When the daytime running light system is active, tail lights on your vehicle are not on. It is necessary at dusk to turn on your headlights. Failure to do so could cause an accident injuring yourself and others.



### Turn signal

Move the lever up or down to the position ① to signal the turning direction. When the turn is completed, the turn signals cancel automatically.

### Lane change signal

To indicate a lane change, move the lever up or down to the position ② where the lights begin flashing.

## HAZARD WARNING FLASHER SWITCH



Push the switch on to warn other drivers when you must stop or park under emergency conditions. All turn signal lights will flash.

The flasher can be actuated with the ignition switch in any position.

**Some state laws may prohibit the use of the hazard warning flasher switch while driving.**

### WARNING

- If stopping for an emergency, be sure to move the vehicle well off the road.
- Do not use the hazard warning flashers while moving on the highway unless unusual circumstances force you to drive so slowly that your vehicle might become a hazard to other traffic.
- Turn signals do not work when the hazard warning flasher lights are on.

## HORN

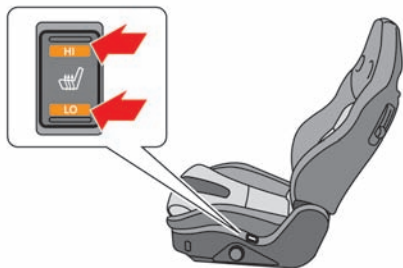


To sound the horn, push the center pad area of the steering wheel.

### WARNING

**Do not disassemble the horn. Doing so could affect proper operation of the supplemental front air bag system. Tampering with the supplemental front air bag system may result in serious personal injury.**

## HEATED SEATS (if so equipped)



The seat heaters can be used when the ignition switch is in the ON position. The front seats are warmed by the built-in heaters.

### TURNING ON THE HEATERS

Press the switch to activate the heaters. The switch indicator illuminates.

| Switch position | Function                 |
|-----------------|--------------------------|
| HI              | To heat the seat quickly |
| LO              | To keep the seat warm    |

### TURNING OFF THE HEATERS

#### Driver's seat

Move the switch to the level position. The switch indicator turns off.

#### Passenger's seat

Press the switch again for the side where the heater is operating. The switch indicator turns off.

#### NOTE:

**When the ignition switch is set to the OFF position while the passenger's seat heater is operating, the heater switch will automatically return to the OFF position. Operate the passenger's side seat heater switch to turn on the seat heater again.**

#### ⚠ CAUTION

- Do not put anything on the seat which insulates heat, such as a blanket, cushion, seat cover, etc. Otherwise, the seat may become overheated.
- Do not place anything hard or heavy on the seat or pierce it with a pin or similar object. This may result in damage to the heater.
- Any liquid spilled on the heated seat

should be removed immediately with a dry cloth.

- If any malfunctions are found or the heated seat does not operate, turn the switch off and have the system checked by a GT-R certified NISSAN dealer.

#### NOTICE

- The battery could run down if the seat heater is operated while the engine is not running.
- Do not use the seat heater for extended periods or when no one is using the seat.
- When cleaning the seat, never use gasoline, thinner, or any similar materials.

## POWER OUTLETS

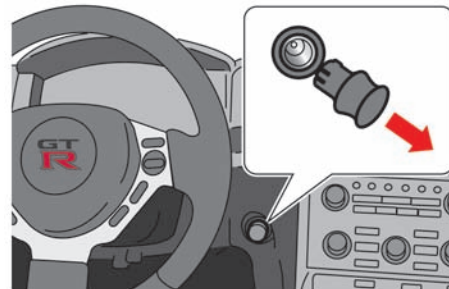
### CAUTION

- The outlet and plug may be hot during or immediately after use.
- Do not use with accessories that exceed a 12 volt, 120W (10A) power draw. Do not use double adapters or more than one electrical accessory.
- This power outlet is not designed for use with a cigarette lighter unit.
- Before inserting or disconnecting a plug, be sure the electrical accessory being used is turned OFF.
- When not in use, be sure to close the cap. Do not allow water to contact the outlet.

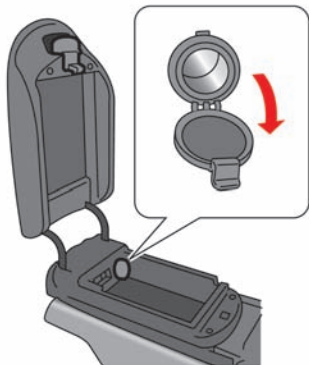
### NOTICE

- Use power outlet with the engine running to avoid discharging the vehicle battery.
- Avoid using power outlet when the air conditioner, headlights or rear window defroster is on.
- Push the plug in as far as it will go. If good contact is not made, the plug

may overheat or the internal temperature fuse may open.



**Next to the steering wheel**  
Pull out the cap to use the outlet.  
Replace the cap after use.



Inside the console box

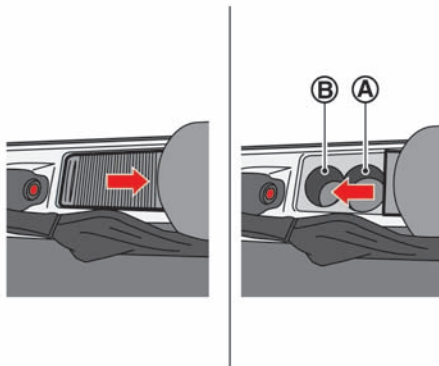
Open the cap to use the outlet.

Close the cap after use.

### CAUTION

Do not leave the console box open. The open lid may suddenly close when the vehicle stops.

## STORAGE



### Front

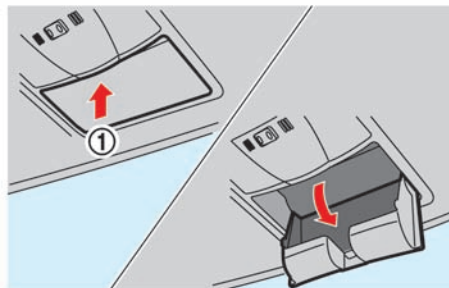
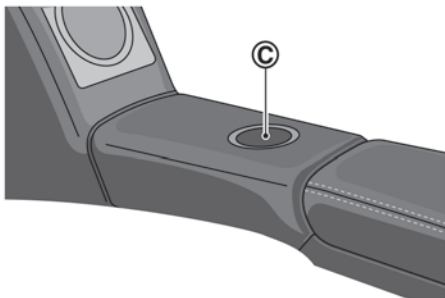
Slide the cover toward the rear of the vehicle to open.

To close, slide the cover back toward the front of the vehicle.

## CUP HOLDERS

### CAUTION

- Avoid abrupt starting and braking when the cup holder is being used to prevent spilling the drink. If the liquid is hot, it can scald you or your passenger.
- Use only soft cups in the cup holder. Hard objects can injure you in an accident.



## NOTICE

Do not leave glasses in the sunglasses holder while parking in direct sunlight. The heat may damage the glasses.

### Rear

#### NOTE:

Cup holder (A) is wider and shallower than cup holders (B) and (C). Small-size cups are likely to tip over in cup holder (A). Use cup holders (B) and (C).

### SUNGLASSES HOLDER

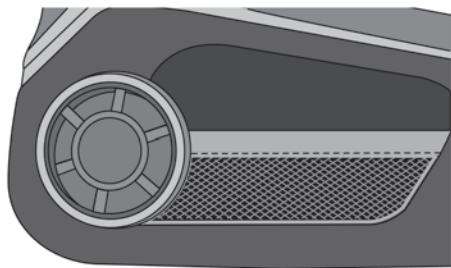
#### WARNING

Keep the sunglasses holder closed while driving to prevent an accident.

To open the sunglasses holder, push (1).

#### CAUTION

Do not use for anything other than glasses.

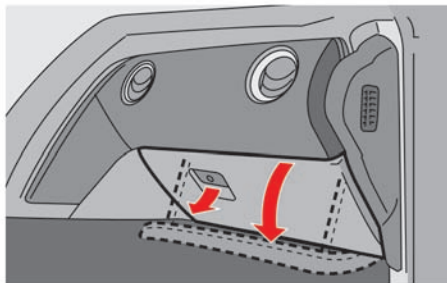


## DOOR POCKET

Door pockets are located inside the driver's side and passenger's side doors.

### NOTICE

**Do not grasp the door pockets to open and close the doors. Doing so may damage the pockets.**



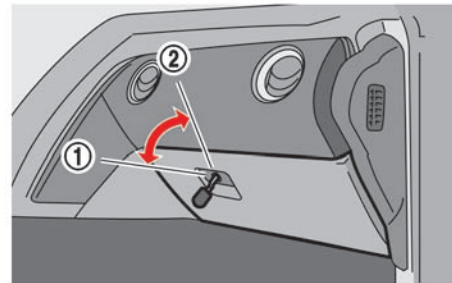
## GLOVE BOX


### WARNING

**Keep glove box lid closed while driving to help prevent injury in an accident or a sudden stop.**

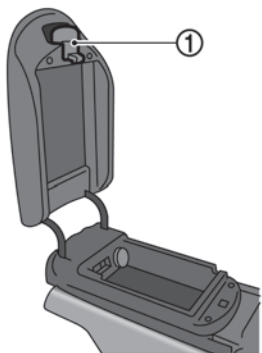
Pull the knob toward you to open the glove box.

To close the glove box, press the lid forward until it locks in place.



Use the mechanical key to lock ① and unlock ② the glove box. (  "Mechanical key" page 3-3)

The mechanical key stops when it is inserted approximately halfway in.



## CONSOLE BOX

Lift up the lock knob ① to open the lid.

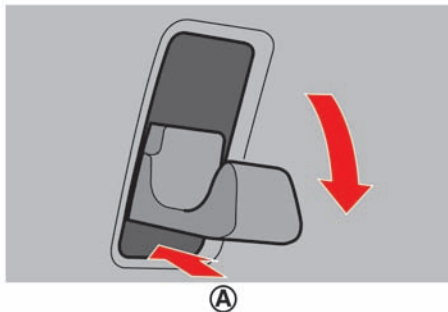
To close the center console box, press on the lid until it locks in place.

### NOTE:

The console box contains a power outlet.

### CAUTION

Do not leave the console box open. The open lid may suddenly close when the vehicle stops.



## COAT HOOKS

To use the coat hook, push the hook ① to release.

### CAUTION

Do not hang any objects with sharp edges on the coat hangers. These items may be knocked off if the SRS air bag deploys, possibly causing injury.

### NOTICE

Do not place items that are more than 2 lb (1 kg) on the hook.

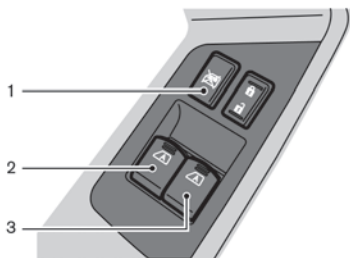
## WINDOWS

### POWER WINDOWS

### WARNING

- Make sure that all passengers have their hands, etc. inside the vehicle while it is in motion and before closing the windows. Use the window lock switch to prevent unexpected use of the power windows.
- Do not leave children unattended inside the vehicle. They could unknowingly activate switches or controls and become trapped in the window. Unattended children could become involved in serious accidents.

The power windows operate when the ignition switch is in the ON position or for about 45 seconds after the ignition switch is pushed to the LOCK position. If the driver's or front passenger's door is opened during this period of about 45 seconds, power to the windows is canceled.



**Driver's side**

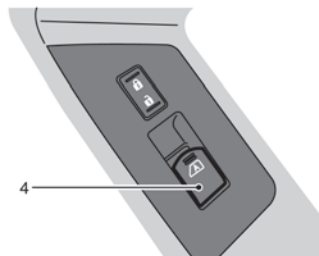
1. Window lock button
2. Driver's window switch
3. Front passenger's window switch

### Main power window switch (driver's side)

To open or close the window, push down or pull up the switch and hold it. The main switch (driver's side switches) will open or close all the windows.

### Locking passengers' windows

When the window lock button is pushed in, only the driver's side window can be opened or closed. Push it in again to cancel.



**Front passenger's side**

4. Front passenger's window switch

### Passenger's side power window switch

The passenger side switch will open or close only the corresponding window. To open close the window, push down or pull up the switch and hold it.

### Automatic operation

To fully open or close the window, completely push down or pull up the switch and release it; it does not need to be held. The window will automatically open or close all the way. To stop the window, just push or lift the switch in the opposite direction.

A light push or pull on the switch will cause the window to open or close until the switch is released.

### Auto reverse function

If the control unit detects something caught in the window as it is closing, the window will be immediately lowered.

The auto reverse function can be activated when the window is closed by automatic operation when the ignition switch is in the ON position or for 45 seconds after the ignition switch is pushed to the OFF position.

Depending on the environment or driving conditions, the auto reverse function may be activated if an impact or load similar to something being caught in the window occurs.

### CAUTION

**There are some small distances immediately before the closed position which cannot be detected. Make sure that all passengers have their hands, etc., inside the vehicle before closing the window.**

## Automatic adjusting function

### CAUTION

**When the battery cable is removed from the battery terminal, do not close either of the front doors. The automatic window adjusting function will not work and the side roof panel may be damaged.**

The power window has an automatic adjusting function. When the door is being opened, the window is automatically lowered slightly to avoid contact between the window and the side roof panel. When the door is closed, the window is automatically raised slightly.

While the automatic adjusting function does not work, the window will be controlled as follows:

- When the door is opened, the window lowers for approximately 2 seconds.
- While the door is open, the window cannot be raised.

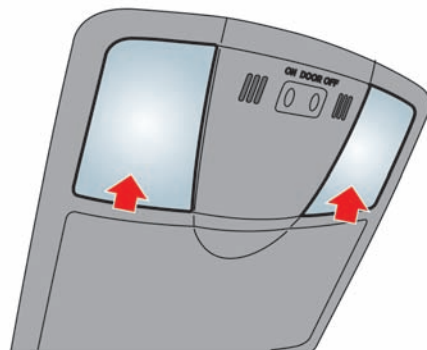
## If the windows do not close automatically

If the power window automatic function (closing only) does not operate properly, perform the following procedure to initialize the power window system.

1. Push the ignition switch to the ON position.
2. Close the door.
3. Open the window more than halfway by operating the power window switch.
4. Pull the power window switch and hold it to close the window, and then hold the switch more than 3 seconds after the window is closed completely.
5. Release the power window switch. Operate the window by the automatic function to confirm the initialization is complete.
6. Perform steps 2 through 5 above for other windows.

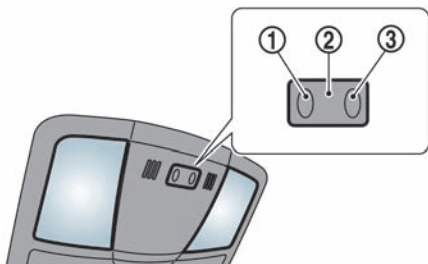
If the power window automatic function does not operate properly after performing the procedure above, have your vehicle checked by a GT-R certified NISSAN dealer.

## INTERIOR LIGHTS



## MAP LIGHTS

Push the button as illustrated to turn the light on or off.



## INTERIOR LIGHT CONTROL SWITCH

The interior light control switch has three positions: ON ①, DOOR ② and OFF ③.

### ON position

When the switch is in the ON position ①, the map lights will illuminate.

### NOTICE

**Do not use the light for extended periods of time with the engine stopped. This could result in a discharged battery.**

### NOTE:

**The lights will also turn off after 30 minutes when the lights remain illuminated after the ignition switch has been pushed to the OFF or LOCK position to prevent the battery from becoming discharged.**

### DOOR position

When the switch is in the DOOR position ②, the map lights will turn on when the door is opened and turn off when the door is closed. The map lights will turn off approximately 15 seconds after the door is closed with the ignition switch in the OFF or LOCK position.

### NOTE:

**When the interior light control switch is in the DOOR position and the door is open, the light will remain on even when the map light switch is pressed to turn off.**

### Key-linked interior light control system:

The map lights will turn on and off linked with the locking and unlocking of the door.

This function operates when the interior light control switch is in the DOOR position.

#### • When entering the vehicle

When the driver's seat door is unlocked, the map light illuminates for approximately 15

seconds, then it turns off.

While the map light is on, if the ignition switch is pushed to the Acc or ON position, or if the driver's side door is locked, the light turns off.

#### • When exiting the vehicle

When the ignition switch is pushed to the OFF or LOCK position, the map lights turn on for approximately 15 seconds, then it turns off.

If the driver's side door is locked while the map lights are on, the light turns off.

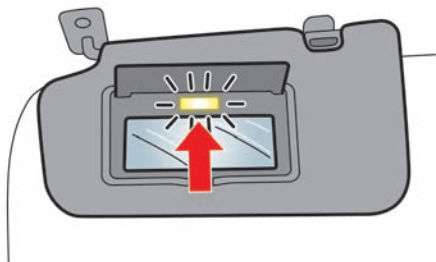
### NOTE:

**It is possible to cancel the key-linked interior light control system setting. See the separate Multi Function Display Owner's Manual.**

### OFF position

When the switch is in the OFF position ③, the map lights will not illuminate, regardless of any condition.

## VANITY MIRROR LIGHTS



There is an illuminated vanity mirror on the reverse side of the sun visor.

## HomeLink® UNIVERSAL TRANSCEIVER

HomeLink® Universal Transceiver provides a convenient way to consolidate the functions of up to three individual hand-held transmitters into one built-in device.

HomeLink® Universal Transceiver:

- Will operate most Radio Frequency (RF) devices such as garage doors, gates, home and office lighting, entry door locks and security systems.
- Is powered by your vehicle's battery. No separate batteries are required. If the vehicle's battery is discharged or is disconnected, HomeLink® will retain all programming.

**Once HomeLink® Universal Transceiver is programmed, retain the original transmitter for future programming procedures (Example: new vehicle purchases). Upon sale of the vehicle, the programmed HomeLink® Universal Transceiver buttons should be erased for security purposes. (👉 "PROGRAMMING HomeLink®" page 2-60)**

### WARNING

- **Do not use HomeLink® Universal Transceiver with any garage door opener that lacks safety stop and reverse features as required by**

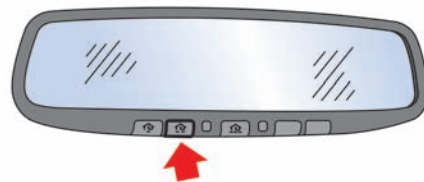
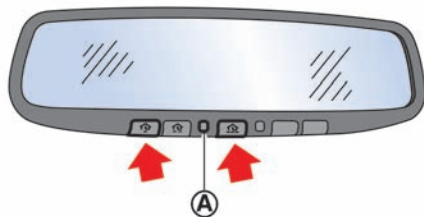
**federal safety standards. (These standards became effective for opener models manufactured after April 1, 1982.) A garage door opener which cannot detect an object in the path of a closing garage door and then automatically stop and reverse, does not meet current federal safety standards. Using a garage door opener without these features increases the risk of serious injury or death.**

- **During programming procedure, your garage door or security gate may open or close. Make sure that people and objects are clear of the garage door, gate, etc. that you are programming.**
- **Your vehicle's engine should be turned off while programming HomeLink® Universal Transceiver.**

## PROGRAMMING HomeLink®

To program your HomeLink® Transceiver to operate a garage door, gate, or entry door opener, home or office lighting, you need to be at the same location as the device. Note: Garage door openers (manufactured after 1996) have "rolling code protection". To pro-

gram a garage door opener equipped with “rolling code protection”; you will need to use a ladder to get up to the garage door opener motor to be able to access the “smart or learn” program button.



1. To begin, push and hold the two outer HomeLink® buttons (to clear the memory) until the indicator light (A) blinks (after 20 seconds). Release both buttons.
2. Position the end of the hand-held transmitter 1-3 inches away from the HomeLink® surface.
3. Using both hands, simultaneously push and hold both the HomeLink® button you want to program and the hand-held transmitter button.  
DO NOT release the buttons until step 4 has been completed.
4. Hold down both buttons until the indicator light on HomeLink® flashes, changing from a “slow blink” to a “rapid blink”. This could take up to 90 seconds. When the indicator light blinks rapidly, both buttons may be released. The rapidly flashing light indicates successful programming. To activate the garage door or other programmed device, push and hold the programmed HomeLink® button - releasing when the device begins to

activate.

5. If the indicator light on HomeLink® blinks rapidly for two seconds and then turns solid, HomeLink® has picked up a “rolling code” garage door opener signal. You will need to proceed with the next steps to train HomeLink®, completing the programming may require a ladder and another person for convenience.
6. Push and release the program button located on the garage door opener’s motor to activate the “training mode”. This button is usually located near the antenna wire that hangs down from the motor. If the wire originates from under a light lens, you will need to remove the lens to access the training button.

**NOTE:**

**Once you have pushed and released the training button on the garage door opener’s motor and the “training light” is lit, you have 30 seconds in which to perform step 7. For convenience, use the help of a second person to assist when performing this step.**

7. Quickly (within 30 seconds of pushing and releasing the garage door opener training button) and firmly push and release the HomeLink® button you’ve just programmed.

Push and release the HomeLink® button up to three times to complete the training.

8. Your HomeLink® button should now be programmed. To program the remaining HomeLink® buttons for additional door or gate openers, follow steps 2 through 8 only.

**NOTE:**

**Do not repeat step 1 unless you want to “clear” all previously programmed HomeLink® buttons.**

If you have any questions or are having difficulty programming your HomeLink® buttons, please refer to the HomeLink® web site at: [www.homelink.com](http://www.homelink.com) or call 1-800-355-3515.

### **PROGRAMMING HomeLink® FOR CANADIAN CUSTOMERS**

Prior to 1992, D.O.C. regulations required hand-held transmitters to stop transmitting after 2 seconds. To program your hand-held transmitter to HomeLink®, continue to push and hold the HomeLink® button (note steps 2 through 4 under “Programming HomeLink®”) while you push and re-push (“cycle”) your hand-held transmitter every 2 seconds until the indicator light flashes rapidly (indicating successful programming).

**NOTE:**

**If programming a garage door opener, etc., it is advised to unplug the device during the “cycling” process to prevent possible damage to the garage door opener components.**

### **OPERATING THE HomeLink® UNIVERSAL TRANSCEIVER**

HomeLink® Universal Transceiver (once programmed) may now be used to activate the garage door, etc. To operate, simply push the appropriate programmed HomeLink® Universal Transceiver button. The red indicator light will illuminate while the signal is being transmitted.

### **PROGRAMMING TROUBLE-DIAGNOSIS**

If HomeLink® does not quickly learn the hand-held transmitter information:

- replace the hand-held transmitter batteries with new batteries.
- position the hand-held transmitter with its battery area facing away from the HomeLink® surface.
- push and hold both the HomeLink® and hand-held transmitter buttons without interruption.
- position the hand-held transmitter 2 to 5 in

(50 to 127 mm) away from the HomeLink® surface. Hold the transmitter in that position for up to 15 seconds. If HomeLink® is not programmed within that time, try holding the transmitter in another position - keeping the indicator light in view at all times.

If you continue to have programming difficulties, please contact the NISSAN Consumer Affairs Department. The phone numbers are located in the Foreword of this Owner's Manual.

## **CLEARING THE PROGRAMMED INFORMATION**

Individual buttons cannot be cleared, however to clear all programming, push and hold the two outside buttons and release when the indicator light begins to flash (in approximately 20 seconds).

## **REPROGRAMMING A SINGLE HomeLink® BUTTON**

To reprogram a HomeLink® Universal Transceiver button, complete the following.

1. Push and hold the desired HomeLink® button. **Do not** release the button until step 4 has been completed.
2. When the indicator light begins to flash slowly (after 20 seconds), position the hand-held transmitter 2 to 5 in (50 to 127 mm) away from the HomeLink® surface.

3. Push and hold the hand-held transmitter button.
4. The HomeLink® indicator light will flash, first slowly and then rapidly. When the indicator light begins to flash rapidly, release both buttons.

The HomeLink® Universal Transceiver button has now been reprogrammed. The new device can be activated by pushing the HomeLink® button that was just programmed. This procedure will not affect any other programmed HomeLink® buttons.

## **IF YOUR VEHICLE IS STOLEN**

If your vehicle is stolen, you should change the codes of any non-rolling code device that has been programmed into HomeLink®. Consult the Owner's Manual of each device or call the manufacturer or dealer of those devices for additional information.

**When your vehicle is recovered, you will need to reprogram the HomeLink® Universal Transceiver with your new transmitter information.**

### **FCC Notice:**

**This device complies with FCC rules part 15. Operation is subject to the following two conditions: (1) This device may not cause harmful interference and (2) This**

**device must accept any interference that may be received, including interference that may cause undesired operation.**

**The transmitter has been tested and complies with FCC and DOC/MDC rules. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the device.**

**DOC: ISTC 1763K1313**

**FCC I.D.: CB2V67690**

**MEMO**

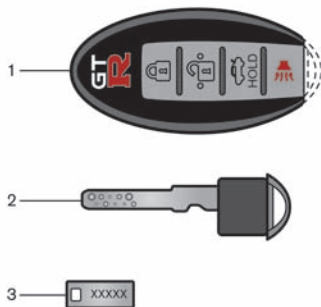
# 3 Pre-driving checks and adjustments

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## KEYS

A key number plate is supplied with your keys. Record the key number and keep it in a safe place (such as your wallet), not in the vehicle. If you lose your keys, see a GT-R certified NISSAN dealer for duplicates by using the key number. NISSAN does not record any key numbers so it is very important to keep track of your key number plate.

A key number is only necessary when you have lost all keys and do not have one to duplicate from. If you still have a key, this key can be duplicated by a GT-R certified NISSAN dealer.



1. Intelligent Key (2 sets)
2. Mechanical key (inside Intelligent Keys) (2 sets)
3. Key number plate (1 set)

### INTELLIGENT KEY

Your vehicle can only be driven with the Intelligent Keys which are registered to your vehicle's Intelligent Key system components and NISSAN Vehicle Immobilizer System components. As many as 4 Intelligent Keys can be registered and used with one vehicle. The new keys must be registered by a GT-R certified NISSAN dealer prior to use with the Intelligent Key system and NISSAN Vehicle Immobilizer System of your vehicle. Since the registration process requires erasing all memory in the Intelligent Key components when registering

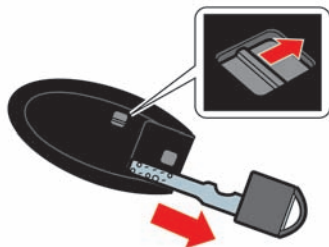
new keys, be sure to take all Intelligent Keys that you have to a GT-R certified NISSAN dealer.

### NOTICE

- **Be sure to carry the Intelligent Key with you when driving. The Intelligent Key is a precision device with a built-in transmitter. To avoid damaging it, please note the following.**
  - **The Intelligent Key is water resistant; however, wetting may damage the Intelligent Key. If the Intelligent Key gets wet, immediately wipe until it is completely dry.**
  - **Do not bend, drop or strike it against another object.**
  - **Do not place the Intelligent Key for an extended period in a place where temperatures exceed 140°F (60°C).**
  - **Do not change or modify the Intelligent Key.**
  - **Do not use a magnet key holder.**
  - **Do not place the Intelligent Key near an electric appliance such as a television set, personal**

computer or cellular phone.



- Do not allow the Intelligent Key to come into contact with water or salt water, and do not wash it in a washing machine. This could affect the system function.
- If an Intelligent Key is lost or stolen, NISSAN recommends erasing the ID code of that Intelligent Key. This will prevent the Intelligent Key from unauthorized use to unlock the vehicle. For information regarding the erasing procedure, please contact a GT-R certified NISSAN dealer.



### Mechanical key

To remove the mechanical key, release the lock knob at the back of the Intelligent Key.

To install the mechanical key, firmly insert it into the Intelligent Key until the lock knob returns to the lock position.

Use the mechanical key to lock or unlock the doors and the glove box. (  "LOCKING WITH MECHANICAL KEY" page 3-6) (  "GLOVE BOX" page 2-55)



### CAUTION

**Always carry the mechanical key installed in the Intelligent Key.**

### Valet hand-off

When you have to leave a key with a valet, give them the Intelligent Key itself and keep the mechanical key with you to protect your belongings.

To prevent the glove box and the trunk from being opened during valet hand-off, follow the procedures below.

1. Push the trunk release power cancel switch to the OFF side. (  "TRUNK RELEASE POWER CANCEL SWITCH" page 3-20)
2. Remove the mechanical key from the Intelligent Key.
3. Lock the glove box with the mechanical key. (  "GLOVE BOX" page 2-55)
4. Hand the Intelligent Key to the valet, keeping the mechanical key in your pocket or bag for insertion into the Intelligent Key when you retrieve your vehicle.

## DOORS


### WARNING

- Always have the doors locked while driving. Along with the use of seat belts, this provides greater safety in the event of an accident by helping to prevent persons from being thrown from the vehicle. This also helps keep children and others from unintentionally opening the doors, and will help keep out intruders.
- Before opening any door, always look for and avoid oncoming traffic.
- Do not leave children unattended inside the vehicle. They could unknowingly activate switches or controls. Unattended children could become involved in serious accidents.

### CAUTION


To prevent theft or accidents, be sure to stop the engine and lock the doors before stepping away from the vehicle.

### NOTICE

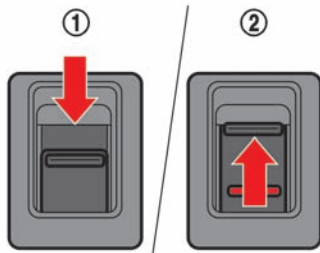
When the battery cable is removed from the battery terminal, do not close either of the front doors. The automatic window adjusting function will not work, and the side roof panel may be damaged. (  "Automatic adjusting function" page 2-58)

### NOTE:

- The doors of this vehicle are somewhat harder to close than those of an ordinary vehicle (especially when the vehicle is new). This is because the stiffness of the rubber has been increased to improve the airtightness of the vehicle interior during situations such as higher speed driving. This does not indicate that there is a malfunction.
- When the driver's door is locked or unlocked, the fuel-filler door is automatically locked or unlocked at the same time.

When the door is being opened, the window is automatically lowered slightly to avoid contact between the window and the side roof panel. When the door is closed, the window is automatically raised slightly. (  "Automatic

adjusting function" page 2-58)



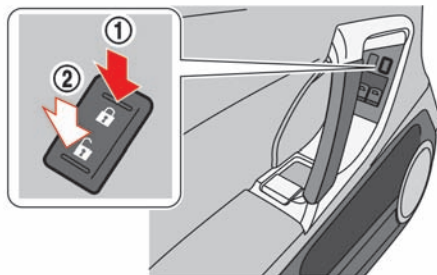
## LOCKING WITH INSIDE LOCK KNOB

To lock a door individually, push down the inside lock knob to the lock position ① then close the door.

To unlock, lift up the inside lock knob to the unlock position ②.

### NOTE:

**When locking the door without an Intelligent Key, be sure not to leave the Intelligent Key inside the vehicle.**



## LOCKING WITH POWER DOOR LOCK SWITCH

Operating the power door lock switch will lock or unlock all the doors. The switches are located on the driver's and front passenger's door armrests.

To lock the doors, push the power door lock switch to the lock position ① with the driver's or front passenger's door open, then close the door.

### NOTE:

**When locking the door this way, be sure not to leave the Intelligent Key inside the vehicle.**

To unlock the doors, push the power door lock switch to the unlock position ②.

## Lockout protection

When the power door lock switch (driver or front passenger) is moved to the lock position with the Intelligent Key left in the key port and any door open, all doors will lock and unlock automatically.

When the power door lock switch (driver or front passenger) is moved to the lock position with the Intelligent Key left in the vehicle (not in the Intelligent Key port) and any door open, all doors will unlock automatically and a chime will sound after the door is closed.

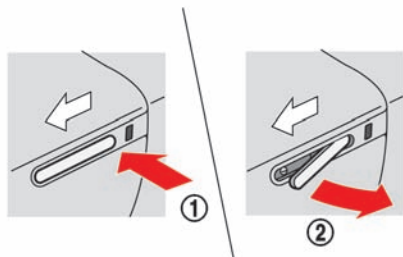
These functions help to prevent the Intelligent Key from being accidentally locked inside the vehicle.

## AUTOMATIC DOOR LOCK SYSTEM

- All doors will be locked automatically when the vehicle speed reaches 15 MPH (24 km/h).
- All doors will be unlocked automatically when the ignition switch is turned to the OFF position.

To activate or deactivate the automatic door lock system, perform the following procedure:

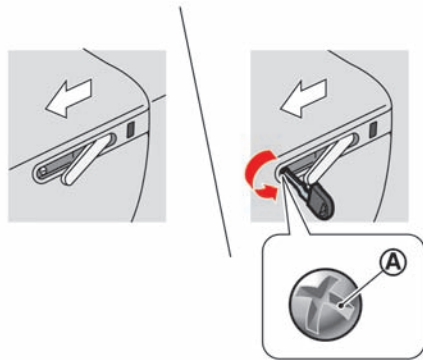
1. Close all doors.
2. Push the ignition switch to the ON position.
3. Within 20 seconds, push and hold the power door lock switch:
  - to the LOCK position for more than 5 seconds to enable or disable the automatic lock function, or
  - to the UNLOCK position for more than 5 seconds to enable or disable the automatic unlock function.
4. When activated, the hazard indicator will flash twice. When deactivated, the hazard indicator will flash once.
5. The ignition switch must be turned OFF and ON again between each setting change.



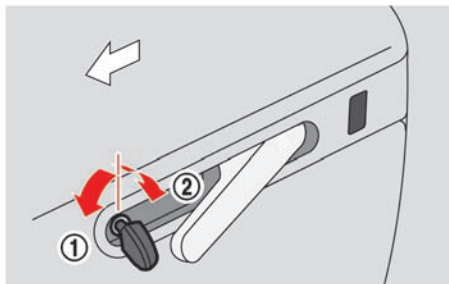
### LOCKING WITH MECHANICAL KEY

The driver's door will be locked or unlocked using the mechanical key.

1. Press the rear end of the driver's outside door handle ① to lift up the front end ②.



2. With the outside door handle lifted up, use the mechanical key and turn the key cylinder cap ① counterclockwise to remove.



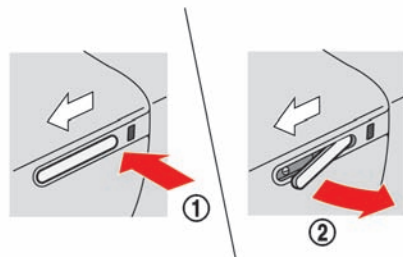
#### NOTE:

- Do not pull too hard on the door handle when locking or unlocking the doors. Pulling too hard will prevent the mechanical key from turning, making it impossible to lock or unlock the doors.
- Unlocking the driver's door using the mechanical key will not unlock the fuel-filler door.

3. Turning the door key cylinder to the front of the vehicle ① will lock the driver's door, and turning to the rear of the vehicle ② will unlock the driver's door.
4. Replace the key cylinder cap in the reverse order.

#### NOTICE

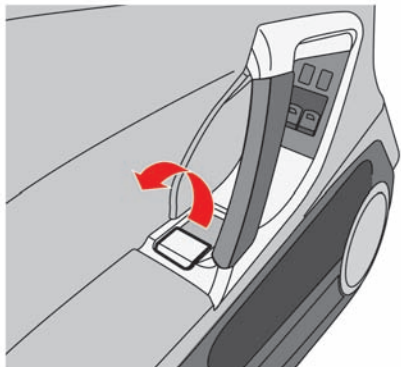
**Do not drive with the cap removed. Water that enters through the keyhole may cause a malfunction.**



#### OPENING THE DOORS

##### Opening from outside the vehicle

1. Press the rear end of the outside door handle ① to lift up the front end of the handle.
2. Pull the front end of the outside door handle ② toward you.



### Opening from inside the vehicle

Lift up the inside door handle to open a door from inside the vehicle.

### NOTICE

**Do not grasp the door pockets to open and close the doors. Doing so may damage the pockets.**

## INTELLIGENT KEY SYSTEM

### WARNING

- **Radio waves could adversely affect electric medical equipment. Those who use a pacemaker should contact the electric medical equipment manufacturer for the possible influences before use.**
- **The Intelligent Key transmits radio waves when the buttons are pushed. The Federal Aviation Agency (FAA) advises the radio waves may affect aircraft navigation and communication systems. Do not operate the Intelligent Key while on an airplane. Make sure the buttons are not operated unintentionally when the unit is stored for a flight.**

The Intelligent Key system can operate all the door locks using the remote controller function or pushing the request switch on the vehicle without taking the key out from a pocket or purse. The operating environment and/or conditions may affect the Intelligent Key system operation.

Be sure to read the following before using the Intelligent Key system.

### CAUTION

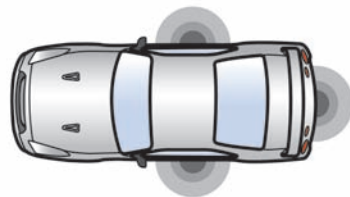
- **Be sure to carry the Intelligent Key with you when operating the vehicle.**
- **Never leave the Intelligent Key in the vehicle when you leave the vehicle.**
- The Intelligent Key is always communicating with the vehicle as it receives radio waves. The Intelligent Key system transmits weak radio waves. Environmental conditions may interfere with the operation of the Intelligent Key system under the following operating conditions. In such cases, correct the operating conditions before using the Intelligent Key function or use the mechanical key.
  - When operating near a location where strong radio waves are transmitted, such as a TV tower, power station and broadcasting station.
  - When in possession of wireless equipment, such as a cellular telephone, transceiver, and CB radio.
  - When the Intelligent Key is in contact with or covered by metallic materials.
  - When any type of radio wave remote control is used nearby.

- When the Intelligent Key is placed near an electric appliance such as a personal computer.
- When the vehicle is parked near a parking meter.
- Although the life of the battery varies depending on the operating conditions, the battery's life is approximately 2 years. If the battery is discharged, replace it with a new one. (➤ "INTELLIGENT KEY BATTERY REPLACEMENT" page 8-23)
- Since the Intelligent Key is continuously receiving radio waves, if the key is left near equipment which transmits strong radio waves, such as signals from a TV and personal computer, the battery life may become shorter.
- Because the steering wheel is locked electrically, unlocking the steering wheel with the ignition switch in the LOCK position is impossible when the vehicle battery is completely discharged. Pay special attention that the vehicle battery is not completely discharged.
- Do not push the door handle request switch with the Intelligent Key held in your hand. The close distance to the door handle will cause the Intelligent Key system to have difficulty recognizing that the Intelligent Key is outside the vehicle.

- After locking the doors, check that the doors are securely locked by testing them.
- To prevent the Intelligent Key from being left inside the vehicle, make sure you carry the key with you and then lock the doors.
- To prevent the Intelligent Key from being left inside the trunk, make sure you carry the key with you and then close the trunk.
- Do not pull the door handle before pushing the door handle request switch. The door will be unlocked but will not open. Release the door handle once and pull it again to open the door.

## INTELLIGENT KEY FUNCTIONS

It is possible to lock/unlock all doors, fuel-filler door and trunk lid by pushing the request switch on the outside door handles and the trunk lid.



## Intelligent Key operating range

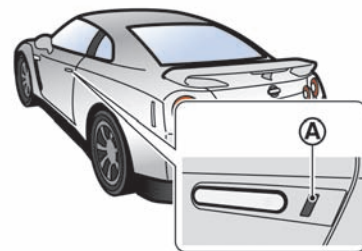
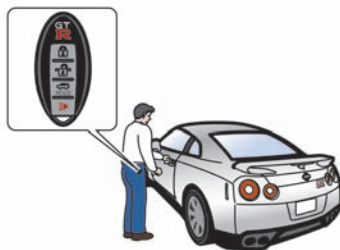
The Intelligent Key functions can only be used when the Intelligent Key is within the specified operating range from the request switch. The operating range is within 31.50 in (80 cm) from each request switch.

### NOTE:

- **When the Intelligent Key battery is discharged or strong radio waves are present near the operating location, the Intelligent Key system's operating range becomes narrower, and the Intelligent Key may not function properly.**
- **If the Intelligent Key is too close to the door glass, handle or rear bumper, the**  
**Pre-driving checks and adjustments 3-9**

request switches may not function.

- When the Intelligent Key is within the operating range, it is possible for anyone who does not carry the Intelligent Key to push the request switch to lock/unlock the doors.



### Intelligent Key operation

You can lock or unlock the doors without taking the key out from your pocket or bag.

When you carry the Intelligent Key with you, you can lock or unlock all doors by pushing the door handle request switch (A) within the range of operation.

#### NOTE:

- When the driver's door is locked or unlocked, the fuel-filler door is automatically locked or unlocked at the same time.
- When you lock or unlock the doors or the trunk lid, the hazard indicator will flash and the horn (or the outside chime) will sound as a confirmation. (👉 "SETTING HAZARD INDICATOR AND HORN MODE" page 3-13)

### Locking doors:

1. Move the shift lever to the **P** position, push the ignition switch to the OFF position and make sure you carry the Intelligent Key with you.
2. Close all the doors.
3. Push the driver's or front passenger's door handle request switch while carrying the Intelligent Key with you.
4. All the doors will lock.
5. The hazard indicator flashes twice and the outside chime sounds twice.

### NOTE:

- Doors will lock with the Intelligent Key while the ignition switch is in the ACC or ON position.
- Doors will not lock with the Intelligent Key while any door is open.
- Doors will not lock by pushing the door handle request switch with the Intelligent Key inside the vehicle.  
However, when an Intelligent Key is inside the vehicle, doors can be locked with another registered Intelligent Key.

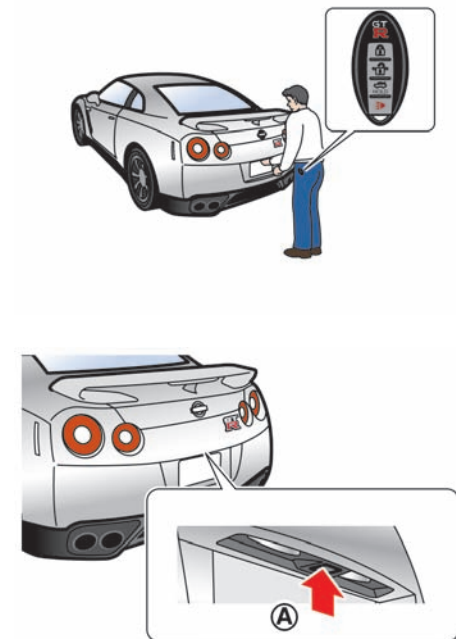
### Unlocking doors:

1. Push the driver's or front passenger's door handle request switch once while carrying the Intelligent Key with you.
2. The hazard indicator flashes once and outside chime sounds once. The corresponding door will unlock.
3. Push the door handle request switch again within 1 minute.
4. The hazard indicator flashes once and outside chime sounds once again. All the doors will unlock.

### NOTE:

All doors will be locked automatically unless one of the following operations is performed within 1 minute after pushing the request switch while the doors are locked. If during this 1-minute time period, the request switch is pushed, all doors will be locked automatically after another 1 minute.

- Opening any door
- Pushing the ignition switch



### Opening trunk lid:

1. Push the trunk open request switch **(A)** for more than 1 second.
2. The trunk will unlatch. An outside chime will sound four times.
3. Raise the trunk lid to open the trunk.

### NOTE:

To prevent the Intelligent Key from being accidentally locked in the trunk, lockout protection is equipped with the Intelligent Key system.

When the trunk lid is closed with the Intelligent Key inside the trunk, the outside buzzer will sound and the trunk will open.

### Battery saver system

When all the following conditions are met for 60 minutes, the battery saver system will cut off the power supply to prevent battery discharge.

- The ignition switch is in the ACC position, and
- All doors are closed, and
- The shift lever is in the **P** position.

## REMOTE KEYLESS ENTRY FUNCTIONS

It is possible to lock/unlock all doors, fuel-filler door, and activate the panic alarm by pushing the buttons on the Intelligent Key.

### NOTE:

Before locking the doors, make sure the Intelligent Key is not left in the vehicle.

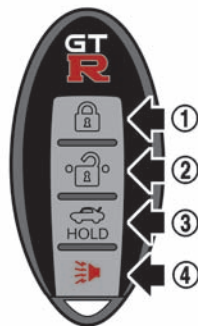
### Remote keyless entry operating range

The LOCK/UNLOCK button on the Intelligent Key can operate at a distance of approximately 33 ft (10 m) from the vehicle. (The effective distance depends upon the conditions around the vehicle.)

The lock and unlock buttons on the Intelligent Key will not operate when:


- the distance between the Intelligent Key and the vehicle is over 33 ft (10 m).
- the Intelligent Key battery runs down.

The LOCK/UNLOCK operating range varies depending on the environment. To securely operate the lock and unlock buttons, approach the vehicle to about 3 ft (1 m) from the door.




### Remote keyless entry operation

### NOTE:

- When the driver's door is locked or unlocked, the fuel-filler door is automatically locked or unlocked at the same time.
- When you lock or unlock the doors or the trunk lid, the hazard indicator will flash and the horn (or the outside chime) will sound as a confirmation. (  "SETTING HAZARD INDICATOR AND HORN MODE" page 3-13)



### Locking doors:

1. Move the shift lever to the **P** position, push the ignition switch to the OFF position, and make sure you carry the Intelligent Key with you.
2. Close all the doors.
3. Push the LOCK  button **①** on the Intelligent Key.
4. All the doors will lock.
5. The hazard indicator flashes twice and the horn chirps once.

### NOTE:

- **Doors will lock with the Intelligent Key while the ignition switch is in the ACC or ON position.**
- **Doors will not lock with the Intelligent Key while any door is open.**


### Unlocking doors:

1. Push the UNLOCK  button **②** on the Intelligent Key once.
2. The hazard indicator flashes once. The driver's door will unlock.
3. Push the UNLOCK  button on the Intelligent Key again within 60 seconds.
4. The hazard indicator flashes once again. All the doors will unlock.

All doors will be locked automatically unless one of the following operations is performed within 1 minute after pushing the UNLOCK button on the Intelligent Key while the doors are locked. If during this 1-minute time period, the UNLOCK button on the Intelligent Key is pushed, all doors will be locked automatically after another 1 minute.


- Opening any door
- Pushing the ignition switch

### Opening trunk lid:

1. Push the TRUNK  button **③** on the Intelligent Key for more than 1 second.
2. The trunk will unlatch.
3. Raise the trunk lid to open the trunk.

### Using panic alarm:

If you are near your vehicle and feel threatened, you may activate the alarm to call attention as follows:

1. Push the PANIC  button **④** on the Intelligent Key for **more than 1 second**.
2. The theft warning alarm and headlights will stay on for 25 seconds.
3. The panic alarm stops when:
  - It has run for 25 seconds, or

- Any of the buttons on the Intelligent Key are pushed. (Note: the panic button should be pushed for more than 1 second to turn the panic alarm off.)




### SETTING HAZARD INDICATOR AND HORN MODE

This vehicle is set in hazard indicator and horn mode when you first receive the vehicle.




When you lock/unlock the doors, the hazard indicator will flash and the horn (or the outside chime) will sound as a confirmation.

The following descriptions show how the hazard indicator and horn will activate when locking/unlocking the doors and how the horn feature can be deactivated.

## Hazard indicator and horn mode



|   | DOOR LOCK   | DOOR UNLOCK   | TRUNK UNLOCK                                    |
|---|---|---|---|
| <b>Intelligent Key system</b><br>(Using door handle request switch or trunk open request switch)  | HAZARD - <b>twice</b><br>OUTSIDE CHIME - <b>twice</b> | HAZARD - <b>once</b><br>OUTSIDE CHIME - <b>once</b> | HAZARD - none<br>OUTSIDE CHIME - <b>4 times</b> |
| <b>Remote keyless entry system</b><br>(Using  ,  or  button) | HAZARD - <b>twice</b><br>HORN - <b>once</b>           | HAZARD - <b>once</b><br>HORN - none                 | HAZARD - none<br>HORN - none                    |

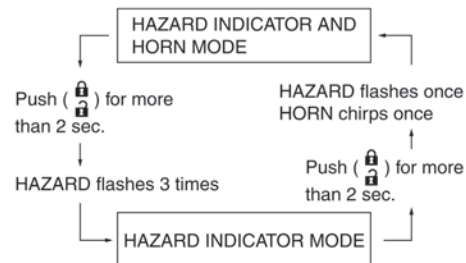
## Hazard indicator mode

|   | DOOR LOCK             | DOOR UNLOCK   | TRUNK UNLOCK  |
|---|-----------------------|---------------|---------------|
| <b>Intelligent Key system</b><br>(Using door handle request switch or trunk open request switch)  | HAZARD - <b>twice</b> | HAZARD - none | HAZARD - none |
| <b>Remote keyless entry system</b><br>(Using  ,  or  button) | HAZARD - <b>twice</b> | HAZARD - none | HAZARD - none |



## Switching procedure

The horn beep feature can be deactivated with the following procedures.

1. Push the LOCK  and UNLOCK  buttons simultaneously for more than 2 seconds.
2. The hazard indicator flashes 3 times.
3. The horn beep feature will be deactivated (Hazard indicator mode).
4. To reactivate the horn beep feature (Hazard indicator and horn mode), push the buttons once more. The hazard indicator flashes once and the horn beeps once.



## WARNING SIGNALS

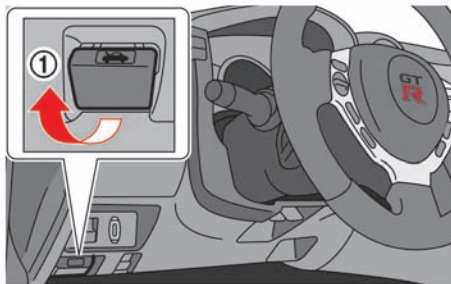
To help prevent the vehicle from moving unexpectedly due to an erroneous operation of the Intelligent Key listed on the following chart or to help prevent the vehicle from being stolen, a chime or beep sounds inside and outside the vehicle and a warning displays in the vehicle information display. (  "WARNING DISPLAY" page 2-31) (  "OPERATION DISPLAYS" page 2-39)

When a chime or beep sounds or a warning displays, be sure to check the vehicle and the Intelligent Key.

## TROUBLESHOOTING GUIDE

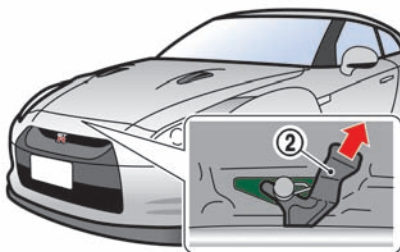
|  | Symptom  | Possible cause   | Action to take  |
|--|--|--|---|
| When pushing the ignition switch to stop the engine            | The SHIFT P warning appears on the display and the inside warning chime sounds continuously.   | The shift lever is not in the <b>P</b> position.   | Shift the shift lever to the <b>P</b> position.   |
| When opening the driver's door to get out of the vehicle       | The inside warning chime sounds continuously.  | The ignition switch is in the ACC position.  | Push the ignition switch to the OFF position.   |
|  |  | The Intelligent Key is in the Intelligent Key port.  | Remove the Intelligent Key from the Intelligent Key port.                                       |
| When closing the door after getting out of the vehicle         | The NO KEY warning appears on the display, the outside chime sounds 3 times and the inside warning chime sounds for approximately 3 seconds. | The ignition switch is in the ACC or ON position.  | Push the ignition switch to the OFF position.   |
|  | The SHIFT P warning appears on the display and the outside chime sounds continuously.  | The ignition switch is in the ACC or OFF position and the shift lever is not in the <b>P</b> position. | Move the shift lever to the <b>P</b> position and push the ignition switch to the OFF position. |
| When closing the door with the inside lock knob turned to LOCK | The outside chime sounds for approximately 3 seconds and all the doors unlock.   | The Intelligent Key is inside the vehicle or trunk.  | Carry the Intelligent Key with you.   |
| When pushing the door handle request switch to lock the door   | The outside chime sounds for approximately 2 seconds.  | The Intelligent Key is inside the vehicle or trunk.  | Carry the Intelligent Key with you.   |
|  |  | A door is not closed securely.   | Close the door securely.  |
|  |  | The door handle request switch is pushed before the door is closed.                                    | Push the door handle request switch after the door is closed.                                   |
| When closing the trunk lid                                     | The outside chime sounds for approximately 10 seconds and the trunk lid opens.   | The Intelligent Key is inside the trunk.   | Carry the Intelligent Key with you.   |

## HOOD

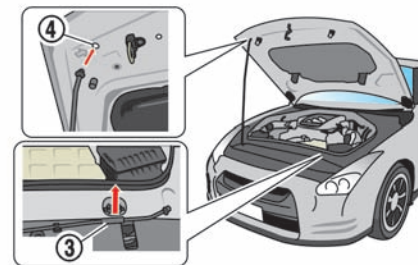


### OPENING THE HOOD

1. Pull the hood lock release handle ① located below the instrument panel. The hood will then spring up slightly.



2. Pull the lever ② at the front of the hood with your fingertips and raise the hood.



3. Grasp the insulated part of the stay ③ and release it from the hook, then securely insert it into the hood hole ④.

### **⚠ WARNING**

If you see steam or smoke coming from the engine compartment, do not open the hood. Doing so could cause injury.

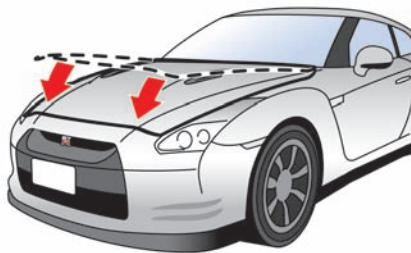
### **⚠ CAUTION**

- Do not insert hands, clothing, tools or other items into the engine compartment while the engine is running.

- Do not touch the exhaust system parts, radiator or other hot parts until the engine and the parts have cooled.

## NOTICE

Do not open the hood while the wiper arms are lifted away from the windshield. The hood and wipers will be damaged.



## CLOSING THE HOOD

1. While supporting the hood, store the stay to the original position.
2. Slowly lower the hood. When it is at a height of 1 ft (30 cm) or higher, drop the hood and make sure that both sides of the hood securely lock in place.

## WARNING

- Make sure the hood is completely closed and latched before driving. Failure to do so could cause the hood to open and result in an accident.

- Be sure to check that the hood is securely closed before driving. If both sides of the hood are not locked in place, the hood may open during driving, possibly causing an accident.

## CAUTION


When closing the hood, lower it slowly so that hands or other items do not get caught.

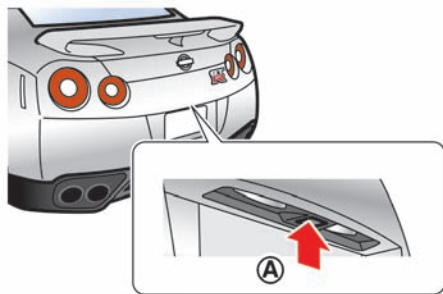
## NOTE:

Because the hood of this vehicle requires more force to close than that for other vehicles, the hood will be difficult to close if you lower it all the way and then attempt to press it closed. Be sure to drop the hood from a height of approximately 1 ft (30 cm) and be sure that both sides securely lock in place.


## TRUNK

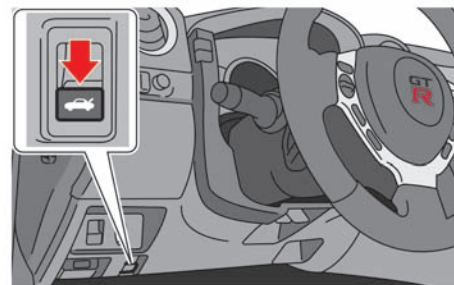
### WARNING

- Do not drive with the trunk lid open. This could allow dangerous exhaust gases to be drawn into the vehicle. (  “EXHAUST GAS (Carbon monoxide)” page 5-2)
- Closely supervise children when they are around cars to prevent them from playing and becoming locked in the trunk where they could be seriously injured. Keep the car locked, with the trunk closed, when not in use, and prevent children’s access to Intelligent Keys.



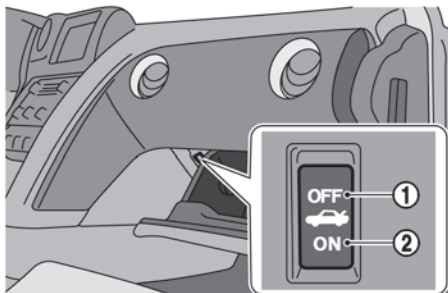
### TRUNK OPEN REQUEST SWITCH

The trunk lid can be opened by pushing the trunk open request switch **A** when the Intelligent Key is within the operating range of the trunk lock/unlock function regardless of the inside lock knob position. (  “INTELLIGENT KEY SYSTEM” page 3-8)



### TRUNK LID RELEASE SWITCH


Press the trunk lid release switch downwards to unlock the trunk.

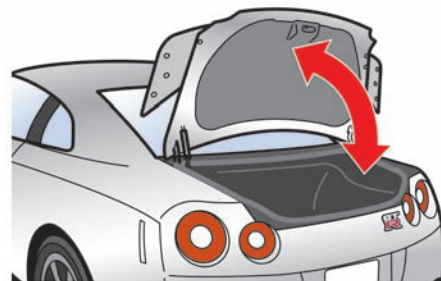


To connect the power to the trunk lid, push the switch to the ON position ②.

### TRUNK RELEASE POWER CANCEL SWITCH

When the switch located inside the glove box is in the OFF position ①, the power to the trunk lid will be canceled and the trunk lid cannot be opened by the trunk lid release switch, the trunk open request switch or the TRUNK button on the Intelligent Key.

When you have to leave the vehicle with a valet and want to keep your belongings safe in the glove box and the trunk, push this switch to OFF and lock the glove box with the mechanical key. Then leave the vehicle and the Intelligent Key with the valet and keep the mechanical key with you. (  "Valet hand-off" page 3-3)



### OPENING AND CLOSING THE TRUNK

When opening the trunk, first unlock it then lift up the trunk lid so that it is fully open.

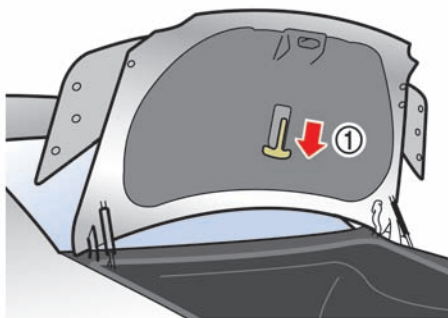
When closing the trunk, lower the trunk lid and press it until it is securely locked in place.

#### NOTICE

- **Open and close the trunk without grasping the rear wing. Grasping the rear wing to open or close the trunk may damage the wing.**
- **Do not leave the key inside the trunk.**

#### NOTE:

- To prevent the Intelligent Key from being accidentally locked in the trunk, lockout protection is equipped with the Intelligent Key system. When the trunk lid is closed with the Intelligent Key inside the trunk, the outside buzzer will sound and the trunk will open.
- The trunk of this vehicle is slightly more difficult to close than an ordinary vehicle (particularly when the vehicle is new). This is because the trunk rigidity has been increased to handle the high load on the rear wing during vehicle operation. This does not indicate that there is a malfunction. Check that the trunk is securely locked.



#### EMERGENCY TRUNK LID RELEASE

##### WARNING

Closely supervise children when they are around cars to prevent them from playing and becoming locked in the trunk where they could be seriously injured. Keep the car locked, with the trunk lid securely latched, when not in use, and prevent children's access to Intelligent Keys.

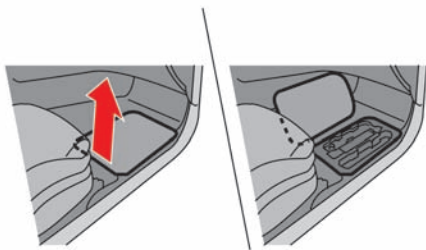
The emergency trunk lid release mechanism allows opening of the trunk lid in the event that people become locked inside the trunk or in the

event of the loss of electrical power such as a discharged battery.

#### Inside the trunk

To open the trunk lid from the inside, pull the release handle ① until the lock releases and push up on the trunk lid. The release lever is made of a material that glows in the dark after a brief exposure to ambient light.

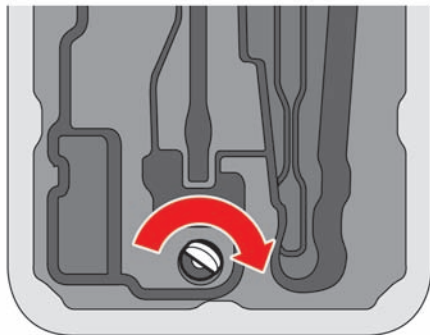
The handle is located on the back of the trunk lid as illustrated.



### From the passenger compartment

The trunk can be opened with the emergency trunk lid opener located on the floor in front of the passenger's seat.

1. Remove the board located on the floor in front of the passenger's seat.



2. Insert the mechanical key into the emergency trunk lid opener and turn it clockwise until it stops.

#### NOTE:

**Because the trunk rigidity has been increased to handle the high load on the rear wing during vehicle operation, more force is required to operate the mechanical key (particularly when the vehicle is new). Be sure to turn the key clockwise until it stops.**

## FUEL-FILLER DOOR

The fuel-filler door is located on the right and rear side of the vehicle.

### WARNING

- **Gasoline is extremely flammable and highly explosive under certain conditions. You could be burned or seriously injured if it is misused or mishandled. Always stop engine and do not smoke or allow open flames or sparks near the vehicle when refueling.**
- **Do not attempt to top off the fuel tank after the fuel pump nozzle shuts off automatically. Continued refueling may cause fuel overflow, resulting in fuel spray and possibly a fire.**
- **Use only an original equipment type fuel-filler cap as a replacement. It has a built-in safety valve needed for proper operation of the fuel system and emission control system. An incorrect cap can result in a serious malfunction and possible injury. It could also cause the malfunction indicator light to come on.**
- **Never pour fuel into the throttle**

body to attempt to start your vehicle.


- Do not fill a portable fuel container in the vehicle or trailer. Static electricity can cause an explosion of flammable liquid, vapor or gas in any vehicle or trailer. To reduce the risk of serious injury or death when filling portable fuel containers:
  - Always place the container on the ground when filling.
  - Do not use electronic devices when filling.
  - Keep the pump nozzle in contact with the container while you are filling it.
  - Use only approved portable fuel containers for flammable liquid.

## NOTICE

If fuel is spilled on the vehicle body, flush it away with water to avoid paint damage.

### NOTE:

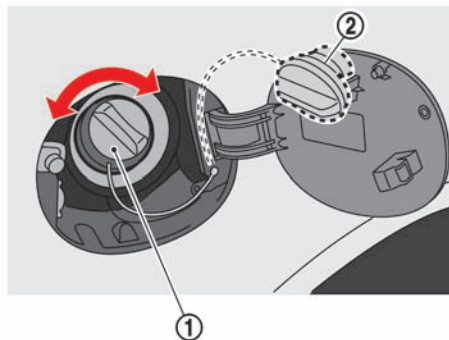
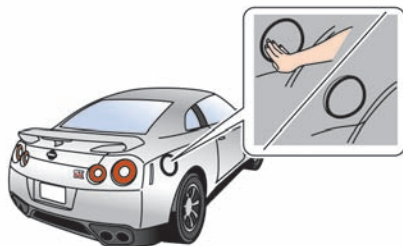
- Insert the cap straight into the fuel-filler tube, then tighten until the fuel-filler cap clicks. Failure to tighten the

fuel-filler cap properly may cause the **Malfunction Indicator Light (MIL)** to illuminate. If the **light illuminates** because the fuel-filler cap is loose or missing, tighten or install the cap and continue to drive the vehicle. The **light should turn off after a few driving trips**. If the **light does not turn off after a few driving trips**, have the vehicle inspected by a **GT-R certified NISSAN dealer**. (  “Malfunction Indicator Light (MIL)” page 2-28)

- This vehicle includes a system that can supply fuel even during high-G (gravity) turns. The fuel tank pressure is higher when the vehicle is hot. If the vehicle is refueled when the vehicle is hot, the fuel pump may automatically shut off before the tank is full. This does not indicate that there is a malfunction. This will not happen after the vehicle has cooled.

## OPENING THE FUEL FILLER DOOR

1. Unlock the fuel-filler door by using one of the following operations.
  - Push the door handle request switch with the Intelligent Key carried with you.
  - Push the UNLOCK button on the Intelligent Key.
  - Push the power door lock switch to the UNLOCK position.



2. Press the rear side of the fuel-filler door to release the door lock, and open the door.

3. Turn the cap ① slowly to the left to remove it.

During refueling, place the cap on the inside of the door ②.

### **CLOSING THE FUEL-FILLER DOOR**

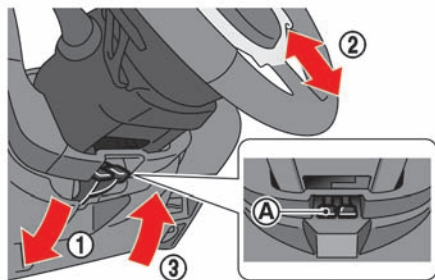
1. Turn the cap to the right to close it. Turn until at least two clicks are heard.
2. Close the door. Lock the fuel-filler door by using one of the following operations.
  - Push the door handle request switch with the Intelligent Key carried with you.
  - Push the LOCK button on the Intelligent Key.

- Push the power door lock switch to the LOCK position.

## STEERING WHEEL

### WARNING

- Do not adjust the steering wheel while driving. You could lose control of your vehicle and cause an accident.
- Do not adjust the steering wheel any closer to you than is necessary for proper steering operation and comfort. The driver's air bag inflates with great force. If you are unrestrained, leaning forward, sitting sideways or out of position in any way, you are at greater risk of injury or death in a crash. You may also receive serious or fatal injuries from the air bag if you are up against it when it inflates. Always sit back against the seatback and as far away as practical from the steering wheel. Always use the seat belts.

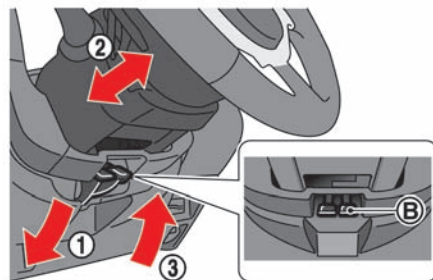


### TILT/TELESCOPIC STEERING COLUMN

#### Tilt adjustment

This adjusts up/down the position of the steering wheel.

1. Press lever **A** down **1**.
2. Move the steering wheel up/down **2** and stop it in an appropriate position.
3. Lift up lever **A** to lock the steering wheel in position **3**.

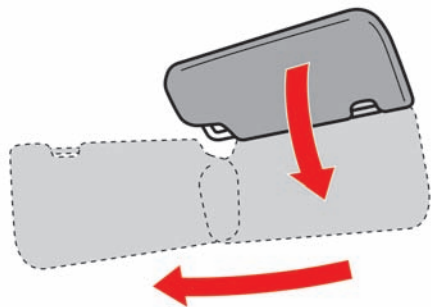


#### Telescopic adjustment

This adjusts the forward/backward position of the steering wheel.

1. Press lever **B** down **1**.
2. Move the steering wheel forward/backward **2** and stop it in an appropriate position.
3. Lift up lever **B** to lock the steering wheel in position **3**.

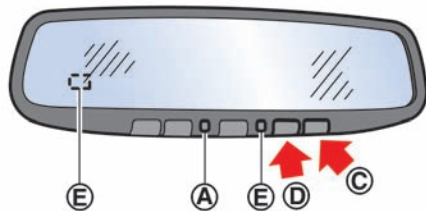
## SUN VISORS



Lower the sun visor to block sunlight coming from the forward direction.

To block sunlight coming from the side, lower the sun visor, then unclip it from the hook and move it to the side.

## MIRRORS



### INSIDE MIRROR

The inside mirror is designed so that it automatically changes reflection according to the intensity of the headlights of the following vehicle.

The anti-glare system will be automatically turned on when the ignition switch is pushed to the ON position.

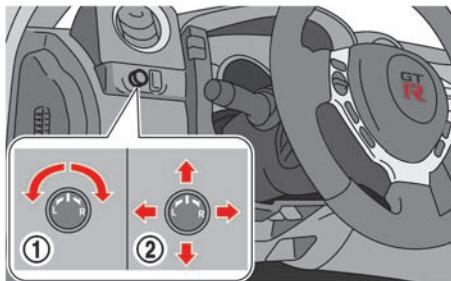
When the anti-glare system is turned on, the indicator light **(A)** will illuminate and excessive glare from the headlights of the vehicle behind you will be reduced.

Push the “O” switch **(C)** to make the inside rearview mirror operate normally. The indicator

light will turn off. Push the “I” switch **(D)** to turn the system on.

### NOTICE

**Do not allow any object to cover the sensors **(E)** or apply glass cleaner on them. Doing so will reduce the sensitivity of the sensor, resulting in improper operation.**

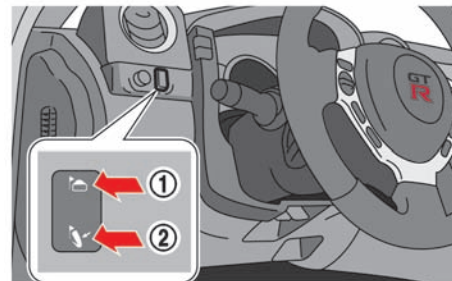


## Adjusting the outside mirrors

1. Turn the switch right or left to select the right or left side mirror ①.
2. Operate the control switch ② to adjust the mirror angle.

### **WARNING**

Adjust the mirrors before starting to drive. Adjusting the mirrors during driving is dangerous as it reduces the driver's attention to the forward direction.



## OUTSIDE MIRRORS

### **WARNING**

Objects viewed in the outside mirror on the passenger side are closer than they appear. Be careful when moving to the right. Using only this mirror could cause an accident. Use the inside mirror or glance over your shoulder to properly judge distances to other objects.

The outside mirror will operate only when the ignition switch is in the ACC or ON position.

## Folding the outside mirrors

Press the switch down ② to fold the outside mirrors.


Press the switch up ① to unfold the mirrors before driving.

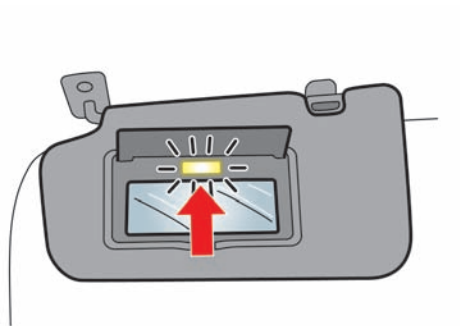
### **CAUTION**

- Do not touch the mirrors while they are moving. Your hand may be pinched, and the mirror may malfunction.
- Do not drive with the mirrors stored. You will be unable to see behind the vehicle.

- If the mirrors were folded or unfolded by hand, there is a chance that the mirror will move forward or backward during driving. If the mirrors were folded or unfolded by hand, be sure to adjust them again electrically before driving.

**NOTE:**

- If the switch is operated continuously, the mirror may stop before movement is completed. This does not indicate that there is a malfunction. Wait a few moments, then operate the switch again.
- If the mirrors were folded or unfolded by hand, the mirrors may start moving when the ignition switch is set to the Acc or ON position.
- When the ignition switch is in the ON position, operating the rear window defroster will also remove frost and fog from the outside mirrors. (  "REAR WINDOW DEFROSTER SWITCH" page 2-46)



**VANITY MIRROR**

To use the front vanity mirror, pull down the sun visor and pull up the cover.

**MEMO**

## **MEMO**

## **4 Display screen, heater, air conditioner and audio systems**

Multi Function Display Owner's Manual ..... 4-2



## **MULTI FUNCTION DISPLAY OWNER'S MANUAL**

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Refer to the separate Multi Function Display Owner's Manual that includes the following information.

- Multi function display system
- Navigation
- Audio system
- Bluetooth® hands-free phone system
- Heater and air conditioner
- Viewing information
- Other settings
- Voice recognition
- Multi function meter
- General system information

**MEMO**

# 5 Starting and driving

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## PRECAUTIONS WHEN STARTING AND DRIVING

### WARNING

- Do not leave children or adults who would normally require the support of others alone in your vehicle. Pets should not be left alone either. They could accidentally injure themselves or others through inadvertent operation of the vehicle. Also, on hot, sunny days, temperatures in a closed vehicle could quickly become high enough to cause severe or possibly fatal injuries to people or animals.
- Closely supervise children when they are around cars to prevent them from playing and becoming locked in the trunk where they could be seriously injured. Keep the car locked, with the rear seatback and trunk lid securely latched when not in use, and prevent children's access to car keys.

## EXHAUST GAS (Carbon monoxide)

### WARNING

- Do not breathe exhaust gases; they contain colorless and odorless carbon monoxide. Carbon monoxide is dangerous. It can cause unconsciousness or death.
- If you suspect that exhaust fumes are entering the vehicle, drive with all windows fully open, and have the vehicle inspected immediately.
- Do not run the engine in closed spaces such as a garage.
- Do not park the vehicle with the engine running for any extended length of time.
- Keep the trunk lid closed while driving, otherwise exhaust gases could be drawn into the passenger compartment. If you must drive with the trunk lid open, follow these precautions:
  - 1) Open all the windows.
  - 2) Set the  air recirculation to off and the fan control to high to circulate the air.

- The exhaust system and body should be inspected by a qualified mechanic whenever:

- The vehicle is raised for service.
- You suspect that exhaust fumes are entering into the passenger compartment.
- You notice a change in the sound of the exhaust system.
- You have had an accident involving damage to the exhaust system, underbody, or rear of the vehicle.

## THREE-WAY CATALYST

The three-way catalyst is an emission control device installed in the exhaust system. Exhaust gases in the three-way catalyst are burned at high temperatures to help reduce pollutants.

### WARNING

- The exhaust gas and the exhaust system are very hot. Keep people, animals or flammable materials away from the exhaust system components.
- Do not stop or park the vehicle over flammable materials such as dry

**grass, waste paper or rags. They may ignite and cause a fire.**

## NOTICE

- **Do not use leaded gasoline. Deposits from leaded gasoline seriously reduce the three-way catalyst's ability to help reduce exhaust pollutants.**
- **Keep your engine tuned up. Malfunctions in the ignition, fuel injection, or electrical systems can cause overrich fuel flow into the three-way catalyst, causing it to overheat. Do not keep driving if the engine misfires, or if noticeable loss of performance or other unusual operating conditions are detected. Have the vehicle inspected promptly by a GT-R certified NISSAN dealer.**
- **Avoid driving with an extremely low fuel level. Running out of fuel could cause the engine to misfire, damaging the three-way catalyst.**
- **Do not race the engine while warming it up.**
- **Do not push or tow your vehicle to**


**start the engine.**

## TIRE PRESSURE MONITORING SYSTEM (TPMS)

Each tire should be checked monthly when cold and inflated to the inflation pressure recommended by the vehicle manufacturer on the vehicle placard or tire inflation pressure label. (If your vehicle has tires of a different size than the size indicated on the vehicle placard or tire inflation pressure label, you should determine the proper tire inflation pressure for those tires.)

As an added safety feature, your vehicle has been equipped with a Tire Pressure Monitoring System (TPMS) that illuminates a low tire pressure telltale when one or more of your tires is significantly under-inflated. Accordingly, when the low tire pressure telltale illuminates, you should stop and check your tires as soon as possible, and inflate them to the proper pressure. Driving on a significantly under-inflated tire causes the tire to overheat and can lead to tire failure. Under-inflation also reduces fuel efficiency and tire tread life, and may affect the vehicle's handling and stopping ability.

If the vehicle is being driven with one or more flat tires, the run-flat tire warning light will illuminate continuously and a chime will sound for 10 seconds. The chime will only sound at the first indication of a flat tire, and the warning light will

illuminate continuously. When the Flat tire warning is activated, have the system reset and the tire checked and replaced if necessary by a GT-R certified NISSAN dealer. Even if the tire is inflated to the specified COLD tire pressure, the warning light will continue to illuminate until the system is reset by a GT-R certified NISSAN dealer. Your vehicle can be driven for a limited time on a flat tire. (  "Run-flat tires" page 8-35)

Please note that the TPMS is not a substitute for proper tire maintenance, and it is the driver's responsibility to maintain correct tire pressure, even if under-inflation has not reached the level to trigger illumination of the TPMS low tire pressure telltale.

Your vehicle has also been equipped with a TPMS malfunction indicator to indicate when the system is not operating properly. The TPMS malfunction indicator is combined with the low tire pressure telltale. When the system detects a malfunction, the telltale will flash for approximately one minute and then remain continuously illuminated. This sequence will continue upon subsequent vehicle start-ups as long as the malfunction exists. When the malfunction indicator is illuminated, the system may not be able to detect or signal low tire pressure as intended. TPMS malfunctions may occur for a variety of reasons, including the installation of replacement or alternate tires or wheels on the vehicle

that prevent the TPMS from functioning properly. Always check the TPMS malfunction telltale after replacing one or more tires or wheels on your vehicle to ensure that the replacement or alternate tires and wheels allow the TPMS to continue to function properly.

### Additional information

- The TPMS will activate only when the vehicle is driven at speeds above 16 MPH (25 km/h). Also, this system may not detect a sudden drop in tire pressure (for example a flat tire while driving).
- The low tire pressure warning light does not automatically turn off when the tire pressure is adjusted. After the tire is inflated to the recommended pressure, the vehicle must be driven at speeds above 16 MPH (25 km/h) to activate the TPMS and turn off the low tire pressure warning light. Use a tire pressure gauge to check the tire pressure.
- Tire pressure rises and falls depending on the heat caused by the vehicle's operation and the outside temperature. Low outside temperature can lower the temperature of the air inside the tire which can cause a lower tire inflation pressure. This may cause the low tire pressure warning light to illuminate. If the warning light illuminates in low ambient temperature, check the tire pressure for all four tires.

- GT-R vehicles are delivered from the factory with nitrogen-filled tires. For best performance, NISSAN recommends that GT-R owners maintain their vehicles by using nitrogen for tire inflation. Because nitrogen is more stable than compressed air, it is less prone to pressure fluctuation resulting from temperature variations. If nitrogen is not available, compressed air may be safely used under normal driving conditions. However, NISSAN recommends refilling with Nitrogen for maximum tire performance.
- The Tire and Loading Information label (also referred to as the vehicle placard or tire inflation pressure label) is located in the driver's door opening.
- You can also check the pressure of all tires on the multi function display. Refer to the separate Multi Function Display Owner's Manual.

### WARNING

- **If the low tire pressure warning light illuminates or LOW PRESSURE information is displayed on the monitor screen while driving, avoid sudden steering maneuvers or abrupt braking, reduce vehicle speed, pull off the road to a safe location and stop the vehicle as**

**soon as possible. Driving with under-inflated tires may permanently damage the tires and increase the likelihood of tire failure. Serious vehicle damage could occur and may lead to an accident and could result in serious personal injury. Check the tire pressure for all four tires. Adjust the tire pressure to the recommended COLD tire pressure shown on the Tire and Loading Information label to turn the low tire pressure warning light off. If the light still illuminates while driving after adjusting the tire pressure, a tire may be flat.**

- **Although you can continue driving with a punctured run-flat tire, remember that vehicle handling stability is reduced, which could lead to an accident and personal injury. Also, driving a long distance at high speeds may damage the tires.**
- **Do not drive at speeds above 50 MPH (80 km/h) and do not drive more than 50 miles (80 km) with a punctured run-flat tire. The actual distance the vehicle can be driven on a flat tire depends on outside**

temperature, vehicle load, road conditions and other factors.

- When a wheel is replaced, the TPMS will not function and the low tire pressure warning light will flash for approximately 1 minute. The light will remain on after 1 minute. Contact your GT-R certified NISSAN dealer as soon as possible for tire replacement and/or system resetting.
- Replacing tires with those not originally specified by NISSAN could affect the proper operation of the TPMS.
- Do not inject any tire liquid or aerosol tire sealant into the tires, as this may cause a malfunction of the tire pressure sensors.

## NOTICE

- The TPMS may not function properly when the wheels are equipped with tire chains or the wheels are buried in snow.
- Do not place metalized film or any metal parts (antenna, etc.) on the

windows. This may cause poor reception of the signals from the tire pressure sensors, and the TPMS will not function properly.

Some devices and transmitters may temporarily interfere with the operation of the TPMS and cause the low tire pressure warning light to illuminate. Some examples are:

- Facilities or electric devices using similar radio frequencies are near the vehicle.
- If a transmitter set to similar frequencies is being used in or near the vehicle.
- If a computer (or similar equipment) or a DC/AC converter is being used in or near the vehicle.

### FCC Notice:

**Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.**

**This device complies with Part 15 of the FCC Rules and RSS-210 of Industry Canada.**

**Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received,**


**including interference that may cause undesired operation of the device.**

## AVOIDING COLLISION AND ROLL-OVER



### WARNING

**Failure to operate this vehicle in a safe and prudent manner may result in loss of control or an accident.**

Be alert and drive defensively at all times. Obey all traffic regulations. Avoid excessive speed, high speed cornering, or sudden steering maneuvers, because these driving practices could cause you to lose control of your vehicle. **As with any vehicle, a loss of control could result in a collision with other vehicles or objects, or cause the vehicle to rollover, particularly if the loss of control causes the vehicle to slide sideways.** Be attentive at all times, and avoid driving when tired. Never drive when under the influence of alcohol or drugs (including prescription or over-the-counter drugs which may cause drowsiness). Always wear your seat belt as outlined in this manual, and also instruct your passengers to do so. (  "SEAT BELTS" page 1-5)

Seat belts help reduce the risk of injury in collisions and rollovers. **In a rollover crash, an unbelted or improperly belted person is**

**significantly more likely to be injured or killed than a person properly wearing a seat belt.**

## OFF-ROAD RECOVERY

While driving, the right side or left side wheels may unintentionally leave the road surface. If this occurs, maintain control of the vehicle by following the procedure below. Please note that this procedure is only a general guide. The vehicle must be driven as appropriate based on the conditions of the vehicle, road and traffic.

1. Remain calm and do not overreact.
2. Do not apply the brakes.
3. Maintain a firm grip on the steering wheel with both hands and try to hold a straight course.
4. When appropriate, slowly release the accelerator pedal to gradually slow the vehicle.
5. If there is nothing in the way, steer the vehicle to follow the road while the vehicle speed is reduced. Do not attempt to drive the vehicle back onto the road surface until vehicle speed is reduced.
6. When it is safe to do so, gradually turn the steering wheel until both tires return to the road surface. When all tires are on the road surface, steer the vehicle to stay in the appropriate driving lane.


### 5-6 Starting and driving

- If you decide that it is not safe to return the vehicle to the road surface based on vehicle, road or traffic conditions, gradually slow the vehicle to a stop in a safe place off the road.

## RAPID AIR PRESSURE LOSS

Rapid air pressure loss or a “blow-out” can occur if the tire is punctured or is damaged due to hitting a curb or pothole. Rapid air pressure loss can also be caused by driving on under-inflated tires.

Rapid air pressure loss can affect the handling and stability of the vehicle, especially at highway speeds.

Help prevent rapid air pressure loss by maintaining the correct air pressure and visually inspect the tires for wear and damage. (  “WHEELS AND TIRES” page 8-29)

If a tire rapidly loses air pressure or “blows-out” while driving maintain control of the vehicle by following the procedure below. Please note that this procedure is only a general guide. The vehicle must be driven as appropriate based on the conditions of the vehicle, road and traffic.

### **WARNING**

**The following actions can increase the chance of losing control of the vehicle if**

**there is a sudden loss of tire air pressure. Losing control of the vehicle may cause a collision and result in personal injury.**

- **The vehicle generally moves or pulls in the direction of the flat tire.**
- **Do not rapidly apply the brakes.**
- **Do not rapidly release the accelerator pedal.**
- **Do not rapidly turn the steering wheel.**

1. Remain calm and do not overreact.
2. Maintain a firm grip on the steering wheel with both hands and try to hold a straight course.
3. When appropriate, slowly release the accelerator pedal to gradually slow the vehicle.
4. Gradually steer the vehicle to a safe location off the road and away from traffic if possible.
5. Lightly apply the brake pedal to gradually stop the vehicle.
6. Turn on the hazard warning flashers and contact a roadside emergency service to change the tire.

## DRINKING ALCOHOL/DRUGS AND DRIVING

### WARNING

Never drive under the influence of alcohol or drugs. Alcohol in the bloodstream reduces coordination, delays reaction time and impairs judgement. Driving after drinking alcohol increases the likelihood of being involved in an accident injuring yourself and others. Additionally, if you are injured in an accident, alcohol can increase the severity of the injury.

NISSAN is committed to safe driving. However, you must choose not to drive under the influence of alcohol. Every year thousands of people are injured or killed in alcohol-related accidents. Although the local laws vary on what is considered to be legally intoxicated, the fact is that alcohol affects all people differently and most people underestimate the effects of alcohol.

Remember, drinking and driving don't mix! And that is true for drugs, too (over-the-counter, prescription, and illegal drugs). Don't drive if your ability to operate your vehicle is impaired by alcohol, drugs, or some other physical condition.

## ALL-WHEEL DRIVE (AWD) DRIVING SAFETY PRECAUTIONS

### WARNING

- Do not drive beyond the performance capability of the tires, even with AWD engaged. Accelerating quickly, sharp steering maneuvers or sudden braking may cause loss of control.
- Always use the specified tires on all four wheels. Install tire chains on the rear wheels when driving on slippery roads and drive carefully.
- This vehicle is not designed for offroad (rough road) use. Do not drive on sandy or muddy roads that tires may get stuck in.
- Do not attempt to raise two wheels off the ground and shift the transmission to any **A↔M** or **R** position with the engine running. Doing so may result in drivetrain damage or unexpected vehicle movement which could result in serious vehicle damage or personal injury.
- Do not attempt to test an AWD equipped vehicle on a 2-wheel dy-

namometer, (such as the dynamometers used by some states for emissions testing), or similar equipment even if the other two wheels are raised off the ground. Make sure you inform test facility personnel that your vehicle is equipped with AWD before it is placed on a dynamometer. Using the wrong test equipment may result in drivetrain damage or unexpected vehicle movement which could result in serious vehicle damage or personal injury.

- When a wheel is off the ground due to an unlevel surface, do not spin the wheel excessively.

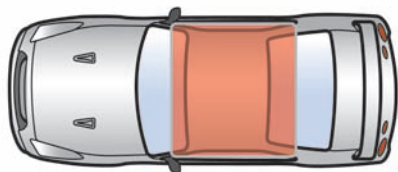
## PUSH-BUTTON IGNITION SWITCH

### **WARNING**

Do not operate the push-button ignition switch while driving the vehicle except in an emergency. (The engine will stop when the ignition switch is pushed three consecutive times or the ignition switch is pushed and held for more than 2 seconds.) If the engine stops while the vehicle is being driven, this could lead to a crash and serious injury.

Before operating the push-button ignition switch, be sure to move the shift lever to the

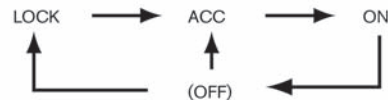
 position.



### **OPERATING RANGE FOR ENGINE START**

The operating range for starting the engine inside the vehicle is shown in the illustration.

- If the Intelligent Key is on the instrument panel, rear parcel shelf, inside the glove box or door pocket, or the corner of interior compartment, it may not be possible to start the engine.
- If the Intelligent Key is near the door or door glass outside the vehicle, it may be possible to start the engine.



### **IGNITION SWITCH OPERATION**

When the Intelligent Key is carried with you and the ignition switch is pushed without depressing the brake pedal, the ignition switch position will change as follows:

- Push center once to change to ACC.
- Push center two times to change to ON.
- Push center three times to change to OFF. (No position illuminates.)
- Push center four times to return to ACC.
- Open or close any door to return to LOCK during the OFF position.

## IGNITION SWITCH POSITIONS

### LOCK (Normal parking position)

The ignition switch can only be locked in this position.

The ignition switch will be unlocked when it is pushed to the ACC position while carrying the Intelligent Key or with the Intelligent Key inserted in the port.

### ACC (Accessories)

This position activates electrical accessories such as the radio, when the engine is not running.

### ON (Normal operating position)

This position turns on the ignition system and electrical accessories.


### OFF



The engine can be turned off without locking the steering wheel.

The ignition lock is designed so that the ignition switch cannot be switched to the LOCK position until the shift lever is moved to the **P** position.

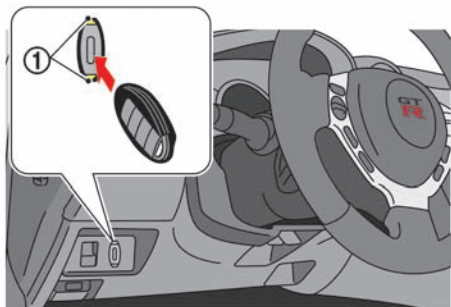
#### NOTE:

- If the steering lock release malfunction indicator appears on the vehicle information display when the ignition switch is pressed, press the ignition switch again while gently turning the

steering wheel left and right. (  “STEERING LOCK RELEASE MALFUNCTION INDICATOR” page 2-41)

- If the shift **P** warning appears on the vehicle information display when the ignition switch is pushed, the shift lever is in any position except the **P** position. Move the shift lever to the **P** position. (  “SHIFT “P” WARNING” page 2-40)
- If the Intelligent Key battery discharge indicator appears on the vehicle information display, the Intelligent Key battery is discharged and the ignition switch will not operate. Insert the Intelligent Key into the key port to operate the ignition switch. (  “INTELLIGENT KEY BATTERY DISCHARGE INDICATOR” page 2-42)
- When all of the following conditions are met for 60 minutes, the battery saver system will cut off the power supply to prevent battery discharge.
  - The ignition switch is in the ACC position, and
  - All doors are closed, and
  - The shift lever is in the **P** position.

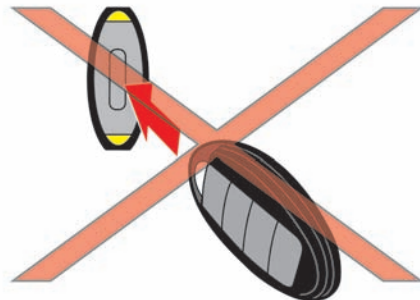
- Do not leave the vehicle with the ignition switch in the ACC or ON position when the engine is not running for an extended period of time. This can discharge the battery.



the Intelligent Key out of the port.

## NOTICE

**Never place anything except the Intelligent Key in the Intelligent Key port. Doing so may cause damage to the equipment.**



## INTELLIGENT KEY BATTERY DISCHARGE


If the battery of the Intelligent Key is almost discharged, the guide light ① of the Intelligent Key port blinks and the indicator appears on the vehicle information display. (👉 “INTELLIGENT KEY INSERTION INDICATOR” page 2-41)

In this case, inserting the Intelligent Key into the port allows you to start the engine. Make sure that the mechanical key side faces backward as illustrated. Insert the Intelligent Key in the port until it is latched and secured.


To remove the Intelligent Key from the port, push the ignition switch to the OFF position and pull

## NOTE:

- **Make sure the Intelligent Key is in the correct direction when inserting it into the Intelligent Key port. The engine may not start if it is in the incorrect direction.**
- **Remove the Intelligent Key from the Intelligent Key port after the ignition switch is pushed to the OFF position.**

- **The Intelligent Key port does not charge the Intelligent Key battery. If you see the low battery indicator in the vehicle information display, replace the battery as soon as possible. (  “INTELLIGENT KEY BATTERY REPLACEMENT” page 8-23)**

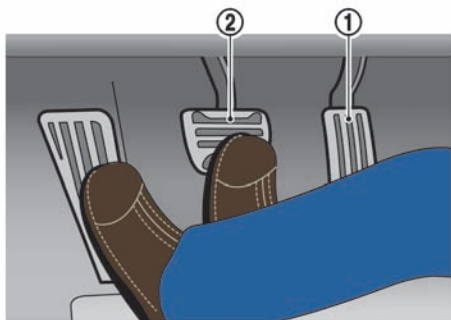
## **BEFORE STARTING THE ENGINE**

- Make sure the area around the vehicle is clear.
- Check fluid levels such as engine oil, coolant, brake fluid and window washer fluid as frequently as possible, or at least whenever you refuel.
- Check that all windows and lights are clean.
- Visually inspect tires for their appearance and condition. Also check tires for proper inflation.
- Lock all doors.
- Position seat and adjust head restraints.
- Adjust inside and outside mirrors.
- Fasten seat belts and ask all passengers to do likewise.
- Check the operation of warning lights when the ignition switch is pushed to the ON position. (  “WARNING/INDICATOR LIGHTS AND AUDIBLE REMINDERS” page 2-23)

## **STARTING THE ENGINE**

### **NOTE:**

- **This vehicle includes spark plugs that are designed for maximum performance. If the start time becomes longer, the plugs may be fouled, making the engine difficult to start. If this occurs, start the engine using the procedure described in this section.**
- **A click sound may be heard when the brake pedal is depressed and released. This is normal.**
- **A low rattling operating sound may occur when the engine is started or stopped. This does not indicate that there is a malfunction. This sound is likely to occur in particular if the engine is stopped when the temperature of the transmission oil is high.**



1. Check the positions of the accelerator pedal ① and brake pedal ②. Adjust the steering wheel and seat positions so that the correct driving posture is achieved. (👉 “FRONT SEATS” page 1-2)
2. Check that the parking brake is engaged.
3. Check that the shift lever is in the **P** or **N** position. (**P** is recommended.)
4. Firmly depress the brake pedal. Without depressing the accelerator pedal, press the ignition switch once to start the engine.
5. To stop the engine, move the shift lever to the **P** position, and push the ignition switch to the OFF position.

## 5-12 Starting and driving

### NOTE:

- If the engine is difficult to start, depress the accelerator pedal all the way to the floor and hold it. Push the ignition switch with the brake pedal depressed to start cranking the engine. After 5 or 6 seconds, stop cranking by pushing the ignition switch to the OFF position, and then release the accelerator pedal. Then perform steps 1 to 4 to start the engine. If the engine starts, but fails to run, repeat this procedure.
- Starting and stopping the engine over a short period of time may make the vehicle more difficult to start. If this occurs, wait for more than 3 minutes, and then press the ignition switch again to start the engine.
- To maintain high performance over a long period of time, the engine speed is limited to 5,000 rpm when the engine is revved with the shift lever in the **N** or **P** position, and to 4,000 rpm when the engine oil or coolant temperature is low or higher than normal.
- If the ignition switch is pressed before the shift lever is moved to the **P** position, the ignition switch will not change to the OFF position. If this

occurs, the SHIFT **P** warning display appears on the vehicle information display. When stopping the engine, be sure to move the shift lever to the **P** position and then press the ignition switch. Failure to do so may result in discharge of the battery. (👉 “SHIFT “P” WARNING” page 2-40)

- If the shift lever was in the **A↔M** or **R** position when the engine was stopped, then be sure to move the shift lever to the **P** position before starting the engine the next time. If the engine is started with the shift lever in the **N** position, then it may not be possible to drive the vehicle even when the shift lever is moved to the **A↔M** or **R** position. If this occurs, the SHIFT **P** warning appears on the vehicle information display. (👉 “SHIFT “P” WARNING” page 2-40)

### ⚠ CAUTION

If the engine was stopped soon when the engine is hot, the cooling fan may operate for approximately 2 minutes after the engine was stopped to cool the components in the engine compart-

ment. When the cooling fan is operating, be sure that hands or other items do not get caught in it.

## DRIVING THE VEHICLE

### DUAL CLUTCH TRANSMISSION

The GT-R dual clutch transmission is a newly-developed system that uses an electronically controlled multiple-disc wet clutch attached to the highly efficient manual transmission. This transmission has two driving modes.

- **A** position (Automatic gearshift): allows automatic shifting of the manual transmission.
- **M** position (Manual gearshift): allows quick shifting of the manual transmission.

#### NOTE:

- **M** position driving is recommended when driving up hills or accelerating from a stop on a cold morning.
- **M** position driving is recommended if you feel shift shocks or jerkiness in the **A** position in cold temperatures.
- When starting or driving on a steep uphill grade, shift to the **M** position and operate the paddle shifter to shift down to 1st gear similar to a manual transmission vehicle.

The GT-R dual clutch transmission was developed specifically to maximize vehicle performance and driving enjoyment. The GT-R

transmission components were designed using different engineering standards than typical passenger car transmissions. Because of this, the GT-R has different operating characteristics, and various rattle noises may be heard during some driving conditions because of the following items:

- Gear clearances
- Ultralight flywheel
- Dry sump lubrication

These noises do not indicate that there is a malfunction.

### WARNING

- Do not depress the accelerator pedal while shifting from the **P** or **N** position to the **R** or **A↔M** position. Always depress the brake pedal until shifting is completed. Failure to do so could cause loss of control and an accident.
- Cold engine idle speed is high, so use caution when shifting into a forward or reverse gear before the engine has warmed up.
- Never shift to the **P** or **R** position while the vehicle is moving forward.

Never shift to the **P** or **A↔M** position while the vehicle is moving rearward. Doing so could cause loss of control and an accident.

- The shift lever contains a powerful magnet. Do not place electronic medical devices or other electronic products that are susceptible to magnetic force close to the shift lever.

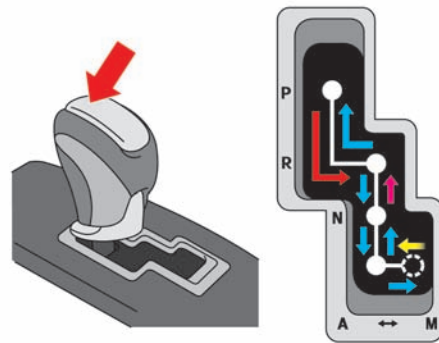
### CAUTION

- Do not downshift abruptly on slippery roads. This may cause a loss of control.
- Because the vehicle includes a dual clutch transmission that automatically controls the clutch and shifting operation of the manual transmission, whenever the shift lever is in a position other than **P** or **N**, the vehicle will begin to move slowly, in the same way as when the clutch in a manual transmission vehicle is partially engaged. Keep the brake pedal firmly depressed when the vehicle is stopped. In some circumstances the vehicle may not start

moving on its own, however this does not indicate that there is a malfunction.





### NOTICE

When the vehicle is stopped on a hill, do not hold the vehicle in place by depressing the accelerator pedal. Doing so may cause the clutch to overheat and result in transmission damage. Use the brakes to prevent the vehicle from moving.



### Operating the shift lever

After starting the engine, fully depress the brake pedal and move the shift lever from the **P** position to the **R**, **N**, or **A↔M** position. Push the button to shift into the **P** or **R** position. All other positions can be selected without pushing the button.

| Shift lever operation  |   |
|--|---|
|  | Push the button while depressing the brake pedal. |
|  | Push the button.                                  |
|  | Just move the shift lever.                        |
|  | Automatically returns.                            |

#### **P** position:

Use this position for parking and starting the engine. The ignition switch will be changed to the OFF or LOCK position.

### CAUTION

Use the **P** position only when the vehicle is completely stopped.

#### **R** position:

Use this position for driving in reverse.

#### **N** position:

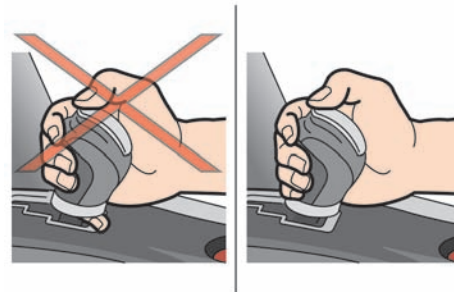
Neither forward nor reverse gear is engaged.

#### **A**↔**M** position:

Use this position for all normal forward driving. The shift lever can be moved between **A** and **M** to alternately change each other. The

position indicator indicates the gear position with the indication of "A" or "M".

- **A** position: Use this position for ordinary driving, with the gears shifted automatically from first gear to sixth gear according to the speed and driving conditions.
- **M** position: Operate the paddle shifter to drive in first gear to sixth gear as desired.




### CAUTION

Grip the shift lever correctly when operating it. Failure to do so may cause a finger or other items to be trapped between the lever and gate, possibly causing an accident.

### NOTICE


- Be sure to observe the following precautions. Failure to do so may result in shift lever malfunction.
  - Do not spill water, beverages or other liquids on the shift lever.

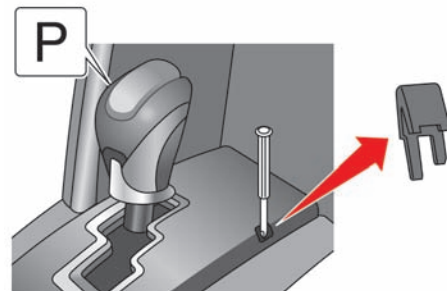
- Do not allow sand or similar substances to contact the shift lever.
- Develop the habit of performing the operations marked with “” without pressing the button. If the button is pressed at these times, there is the possibility that the lever could accidentally enter the **P** or **R** positions.
- When the vehicle is hot, the area around the shift lever may be hot or may produce an unusual sound, however this does not indicate that there is a malfunction.

**NOTE:**

- When moving the shift lever out of the **P** position, it may not be possible to move the shift lever if the button is pressed before the brake pedal is depressed. Press the button only after depressing the brake pedal.
- Do not place coins or other small objects in the area around the shift lever. These objects may get stuck in the shift gate and prevent the shift lever from moving into a position. Sometimes, you may not be able to

retrieve these objects.

- Immediately after a cold start, while the transmission system check display (“T/M SYSTEM CHECK IN PROCESS”) appears on the vehicle information display, the shift lever cannot be moved out of the **P** position. This is because a check of the transmission system is in progress. This does not indicate that there is a malfunction. Move the shift lever after the message on the vehicle information display turns off.
- The shift lever knob and console-mounted shift indicator have a genuine leather finish that requires proper care and maintenance. (  “CLEANING INTERIOR” page 7-4)



**Shift lock release**

If the battery charge is low or discharged, the shift lever may not be moved from the **P** position even with the brake pedal depressed and the shift lever button pushed.

To move the shift lever, perform the following procedure.

1. Push the ignition switch to the OFF or LOCK position.
2. Apply the parking brake.
3. Remove the shift lock cover using a suitable tool wrapped with a cloth.
4. Push down the shift lock as illustrated.

5. Push the shift lever button and move the shift lever to the **N** position while holding down the shift lock.

Push the ignition switch to the ON position to unlock the steering wheel. Now the vehicle may be moved to the desired location.

If the battery is discharged completely, the steering wheel cannot be unlocked. Do not move the vehicle with the steering wheel locked.

## NOTICE

**If the shift lever cannot be moved out of the **P** position after performing the shift lock release procedure, immediately have the vehicle inspected by a GT-R certified NISSAN dealer.**

### Adaptive shift control

The adaptive shift control system automatically operates when the transmission is in the **A** position and selects an appropriate gear depending on the road conditions such as uphill, downhill or curving roads.

#### Control on uphill and curving roads:

A low gear is maintained that suits the degree of the slope or curve to allow smooth driving with a small number of shifts.

#### Control on downhill roads:

The adaptive shift control system shifts to a low gear that suits the degree of the slope, and uses the engine brake to reduce the number of times that the foot brake must be used.

#### Control on winding roads:

A low gear is maintained on continuous curves that involve repeated acceleration and deceleration, so that smooth acceleration is available instantly when the accelerator pedal is depressed.

#### NOTE:

**Adaptive shift control may not operate when the transmission oil temperature is low immediately after the start of driving or when it is very hot. If this occurs, switch to the **M** position and downshift if necessary.**

#### **M** position

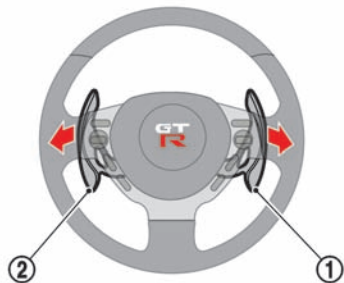
##### Changing to the **M** position:

To change to the **M** position from the **A** position, either move the shift lever to the **M** side or operate the paddle shifter. The position indicator indicates the gear position with the indication of "M".

If the paddle shifter is used, the first operation changes from the **A** position to the **M** position, and the second and later operations change the

gears.

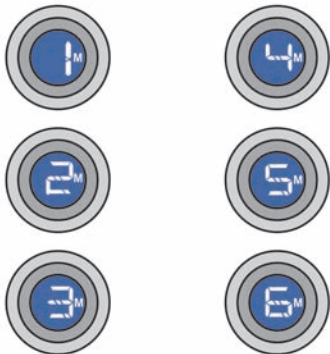
To return to the **A** position, move the shift lever to the **M** side again. The position indicator indicates the gear position with the indication of "A".



### Changing gears using paddle shifters:

To shift up, pull the paddle shifter on the right side ① toward you.

To shift down, pull the paddle shifter on the left side ② toward you.



- First gear:  
Use this position when accelerating from a stop, climbing a steep hill slowly or engine braking at low speeds.
- Second gear:  
Use this position when accelerating from a stop on snowy roads or other extremely slippery road surfaces, or accelerating or engine braking at mid-low speeds.
- Third gear:  
Use this position when accelerating or gently engine braking at middle speeds.

- Fourth gear:  
Use this position when accelerating or gently engine braking at mid-high speeds.
- Fifth gear:  
Use this position for all normal forward driving at highway speeds. Engine braking is weaker in this position.
- Sixth gear:  
Use this position for all normal forward driving at highway speeds. Engine braking is weakest in this position.

### Suggested maximum speed in each gear:

Downshift to a lower gear if the engine is not running smoothly, or if you need to accelerate.

Do not exceed the maximum suggested speed (shown below) in any gear. For level road driving, use the highest gear suggested for that speed. Always observe posted speed limits, and drive according to the road conditions that will ensure safe operation. Do not over-rev the engine when shifting to a lower gear as it may cause engine damage or loss of vehicle control.

| Gear | MPH (km/h) |
|------|------------|
| 1st  | 35 (57)    |
| 2nd  | 62 (101)   |
| 3rd  | 90 (145)   |
| 4th  | —          |
| 5th  | —          |
| 6th  | —          |

## DRIVING TIPS

After starting the engine, fully depress the foot brake pedal and push the shift lever button before shifting the shift lever from the **P** position to the **R**, **N**, or **A↔M** position. Be sure the vehicle is fully stopped before attempting to shift the shift lever.

The transmission is designed so that the foot brake pedal must be depressed before shifting from **P** to any other position.

The shift lever cannot be moved out of the **P** position and into any other position with the ignition switch other in the LOCK, OFF or ACC position.

### When accelerating from a stop

Keep the foot brake pedal depressed and push the shift lever button to shift into a driving gear as following:

- To drive forward, move the shift lever to the

**A↔M** position.

- To back up, move the shift lever to the **R** position.

### Starting on level ground:

1. Check the shift lever position indicator on the instrument panel to confirm that the driving gear is selected.
2. Release the parking brake.
3. Release the foot brake pedal, then gradually depress the accelerator pedal to start the vehicle in motion.

### Starting on an uphill:

1. Check the shift lever position indicator on the instrument panel to confirm that the driving gear is selected.

### NOTE:

**When starting or driving on a steep uphill grade, shift to the **M** position and operate the paddle shifter to shift down to 1st gear as a manual transmission vehicle.**

2. With the parking brake applied, slowly release the foot brake pedal.
3. Slowly depress the accelerator pedal and feel the vehicle starting motion with the parking brake applied.
4. Release the parking brake and gradually

depress the accelerator pedal to start the vehicle in motion.

## NOTICE

**To prevent stalling or transmission damage, start in 1st gear. The **M** position 2nd gear can be used to start moving the vehicle only when reduced torque is necessary on snowy roads or extremely slippery surfaces.**

### NOTE:

**The hill start assist function operates when the vehicle is accelerating from a stop on an uphill. (  "HILL START ASSIST" page 5-31)**

## When driving the vehicle

### WARNING

**Do not move the shift lever to the **N** position while driving. Doing so may result in an accident due to loss of engine braking. It may also damage the transmission.**

### Normal driving:

Drive with the shift lever in the **A** position.

The appropriate gear will be automatically shifted according to the position of the accelerator pedal, the driving speed and driving conditions.

### Passing or hill climbing:

- **A** position:

Fully depress the accelerator pedal to the floor. This shifts the transmission down into a lower gear depending on the vehicle speed.

#### NOTE:

**When starting or driving on a steep uphill grade, shift to the **M** position and operate the paddle shifter to shift down to 1st gear as a manual transmission vehicle.**

- **M** position:

Use the paddle shifter to shift down, then depress the accelerator pedal depending on the vehicle speed.

### Driving on a downhill:

- **A** position:


The system shifts down according to the degree of downhills to increase the effectiveness of the engine brake.

- **M** position:

When driving on a long slope, selecting the **M** position and 4th or 3rd gear will provide gentle engine braking.

When driving on a steep downhill, selecting the **M** position and 2nd or 1st gear will provide powerful engine braking.

### WARNING

- **When the shift lever is in the **A** position, the adaptive shift control system will stay in a low gear in order to maintain the effectiveness of the engine brake. However if the vehicle is traveling too fast depending on the degree of the slope, you should shift to the **M** position and use the paddle shifter to shift down. If you continue to use only the foot brake, a high load will be applied to the brake, which may overheat, reducing its effectiveness. Be sure to use the engine brake together with the foot brake. (  “Adaptive shift control” page 5-17)**
- **The adaptive shift control system may not operate when the transmission is not warm immediately after**

**the start of driving, or when the oil temperature is high. In this case, depending on the degree of the slope, you should shift to the **M** position and select a lower gear.**

- **Do not downshift abruptly on slippery roads. This may cause a loss of control.**

### When stopping the vehicle

Leave the shift lever in the **A↔M** or **R** position and firmly depress the foot brake pedal.

If the vehicle will be stopped for a long period of time, apply the parking brake and move the shift lever to the **P** or **N** position as necessary.

### WARNING

- **Do not race the engine while the vehicle is stopped. Doing so may accelerate the vehicle suddenly and cause an accident when shifting to a driving gear.**
- **While the engine is running, the propeller shaft that transmits torque from the engine to the transmission is turning at all times. Crawling or reaching under the vehicle while the engine is running may result in**

serious injury.

## NOTICE

When the vehicle is stopped on a hill, do not hold the vehicle in place by depressing the accelerator pedal. Doing so may cause the clutch to overheat and result in transmission damage. Use the brakes to prevent the vehicle from moving.

**P** position, the vehicle may start moving due to partial engagement of the clutch or to the effects of gravity on a slope, or the vehicle may suddenly accelerate due to accidental operation of the accelerator pedal, possibly causing an accident.

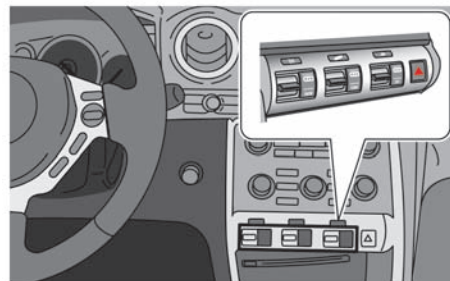
## When parking the vehicle

1. Bring the vehicle to a complete stop.
2. With the foot brake pedal depressed, apply the parking brake.
3. Move the shift lever to the **P** position.
4. Check the shift lever position indicator on the instrument panel to confirm that the **P** position is selected.
5. Push the ignition switch to stop the engine.

## WARNING

Before exiting the vehicle, be sure to move the shift lever to the **P** position and stop the engine. If the engine is running and the shift lever is not in the

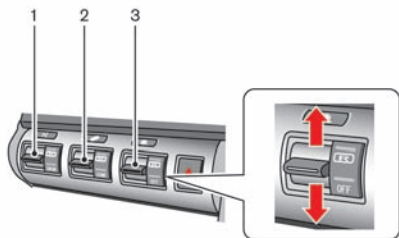
## VDC, TRANSMISSION AND SUSPENSION SETUP SWITCHES



The control of the dual clutch transmission, Bilstein DampTronic® electronically controlled shock absorbers and Vehicle Dynamic Control (VDC) can be changed to the desired modes by operating the setup switches. Select the desired mode best suited to the driving conditions.

### NOTE:

**Bilstein DampTronic® is a registered trademark of ThyssenKrupp Bilstein Suspension GmbH.**



1. Transmission setup switch
2. Suspension setup switch
3. Vehicle Dynamic Control (VDC) setup switch

## HOW TO SWITCH THE MODES

Move the VDC, transmission and suspension setup switches up or down to change the mode when the engine is running.

### R mode

Push up the VDC, transmission and suspension setup switches for more than 1 second.

### SNOW mode and COMF mode

Push down the transmission and suspension setup switches.

### VDC OFF mode

Push down the VDC setup switch for more than 1 second.










### Normal mode

Push the VDC, transmission and suspension setup switches to the side opposite from the selected modes.

#### NOTE:

- **When the ignition switch is pushed to the ON position, the VDC, transmission and suspension set up switch indicators may come on momentarily, but this does not indicate that there is a malfunction.**
- **The VDC, transmission and suspension setup switches will return to the normal mode when the engine is restarted. Also, the transmission setup switch will return to the normal mode when the shift lever is moved between **A** and **M** while operating the transmission setup switch.**



## FEATURES OF EACH MODE

| Switch                 |           |  Transmission   |  Suspension     |  VDC |
|------------------------|-----------|--|--|---|
| R mode                 | Indicator |   |                |      |
|                        | Function  | <p><b>A</b> position:<br/>Mode for smooth driving on roads with consecutive inclines and curves</p> <p><b>M</b> position:<br/>Mode for maximum performance and quick shift operation</p> | Mode to enhance handling and cornering for maximum vehicle performance (Damping force is fixed.) | Mode to adjust front and rear torque distribution in the AWD system                     |
| Normal mode            | Indicator | OFF  | OFF  | OFF   |
|                        | Function  | Usual driving mode   | Usual driving mode (Damping force is variably controlled.)                                       | Usual driving mode  |
| Special condition mode | Indicator |   |                |      |
|                        | Function  | Mode to drive on a snow-covered or slippery-surface road   | Mode to enhance ride comfort (Damping force is variably controlled.)                             | Mode to free vehicle from slush and deep snow, etc.                                     |


## Transmission

The transmission mode differs depending on the shift lever position, **A** or **M**.

### **A** position:

| Set up mode   | Features   |
|---|--|
|  | <ul style="list-style-type: none"><li>In addition to the normal mode functions, this mode allows you to achieve higher engine speed, greater powertrain torque and engine braking.</li></ul> |
| Normal<br>(light is off)  | <ul style="list-style-type: none"><li>For everyday driving an appropriate gear position is automatically selected for optimal fuel mileage.</li></ul>  |
|  | <ul style="list-style-type: none"><li>This mode controls powertrain torque on snowy roads and slippery surfaces making starting and driving easier.</li></ul>                                |

### **M** position:

| Set up mode   | Features   |
|---|--|
|  | <ul style="list-style-type: none"><li>This mode allows you to shift gears more quickly than the normal mode.</li><li>This mode will not allow the transmission to automatically upshift even when the engine speed reaches the red zone. Do not rev the engine into the red zone.</li><li>When the engine speed is low, downshift will be automatically carried out to ensure driving performance.</li></ul> |
| Normal<br>(light is off)  | <ul style="list-style-type: none"><li>Upshift will be automatically carried out just before the red zone to prevent excessive engine speed.</li><li>When the engine speed is low, downshift will be automatically carried out to ensure driving performance.</li></ul>   |



### **NOTE:**

The **SNOW** mode cannot be selected with the transmission in the **M** position.

## NOTICE

- When the engine speed approaches the red zone, shift to a higher gear or reduce the engine speed. Operating the engine in the red zone may cause serious engine damage.
- Quick shifting in the R mode with the transmission in the **M** position is available when the engine speed is high. However, the transmission may shift more slowly when the engine speed is low. This does not indicate that there is a malfunction.



## Suspension

| Set up mode   | Features  |
|---|---|
|  | <ul style="list-style-type: none"><li>• The damping force of the shock absorbers is set maximum vehicle performance.</li><li>• Riding comfort becomes harder.</li></ul>   |
| Normal (light is off)   | <ul style="list-style-type: none"><li>• The damping force of the shock absorbers is variably adjusted for everyday driving or maximum vehicle performance.</li></ul>  |
|  | <ul style="list-style-type: none"><li>• The damping force of the shock absorbers is variably adjusted for more comfortable driving.</li><li>• Movement of the vehicle body is larger than the normal and R modes.</li></ul> |

## NOTICE

**While maximizing vehicle performance, shock absorber control may automatically be returned to the normal mode. If the R mode or the COMF mode is selected in the case above, the suspension setup switch indicator may turn off. Operate the suspension setup switch to the R mode or the COMF mode and check to make sure the indicator illuminates. If the indicator does not illuminate, have the system checked by a GT-R certified NISSAN dealer.**

## Vehicle Dynamic Control (VDC)

| Set up mode   | Features  |
|---|---|
|  | <ul style="list-style-type: none"><li>In addition to the normal mode function, this mode adjusts front and rear wheel power distribution to improve handling.</li></ul> |
| Normal (light is off)   | <ul style="list-style-type: none"><li>This mode enhances handling by brake control and engine output control when oversteer or understeer is detected.</li></ul>        |
|  | <ul style="list-style-type: none"><li>All VDC functions including Traction Control System (TCS) are deactivated. ABS is still active.</li></ul>                         |

### NOTE:

**Make sure VDC is on before driving the vehicle. The VDC OFF mode is an emergency mode to help free a vehicle stuck in mud or snow by temporarily stopping VDC operation to allow more power to the wheels.**

## TURBOCHARGER SYSTEM

The turbocharger system uses engine oil for lubrication and cooling of its rotating components. The turbocharger turbine turns at extremely high speeds and it can get very hot. It is essential to maintain a supply of oil flowing through the turbocharger system. Therefore, a sudden interruption of oil supply may cause a malfunction in the turbocharger.

To ensure prolonged life and performance of the turbocharger, it is essential to perform the following maintenance procedure:

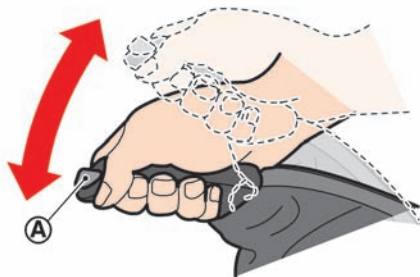
- Change your engine oil according to the recommended intervals shown in the separate Service and Maintenance Guide. Use only the recommended engine oil.
- If the engine had been operating at high engine speed for an extended period of time, let it idle for a few minutes prior to shut-down.
- Do not accelerate your engine to high engine speed immediately after start.

### NOTICE

**This vehicle includes spark plugs that are designed for high performance. For this reason, if the engine is repeatedly started and stopped over a short time, the spark plugs may become fouled, making the engine difficult to start. To**

prevent diminished starting performance, avoid starting and stopping the engine repeatedly during a short period of time.

## PARKING BRAKE



parking brake and cause an accident.

**To apply:** Pull the parking brake lever up.

**To release:**

1. Firmly apply the foot brake.
2. Place the shift lever in the **N** position.
3. While pulling up on the parking brake lever slightly, push the button **(A)** and lower the lever completely.
4. Before driving, be sure the brake warning light goes out.

### **WARNING**

- Be sure the parking brake is fully released before driving. Failure to do so can cause brake failure and lead to an accident.
- Do not release the parking brake from outside the vehicle.
- Do not use the gear shift in place of the parking brake. When parking, be sure the parking brake is fully engaged.
- Do not leave children unattended in a vehicle. They could release the

## CRUISE CONTROL

The cruise control allows driving at speeds above 25 MPH (40 km/h) without keeping your foot on the accelerator pedal.


### WARNING

Do not use the cruise control when driving under the following conditions. Doing so could cause a loss of vehicle control and result in an accident.

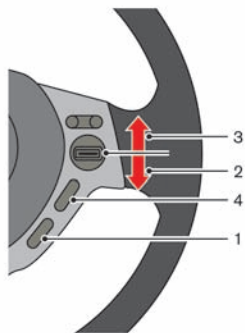
- When it is not possible to keep the vehicle at a set speed.
- In heavy traffic or in traffic that varies in speed.
- On winding or hilly roads.
- On slippery roads (rain, snow, ice, etc.).
- In very windy areas.



### PRECAUTIONS ON CRUISE CONTROL

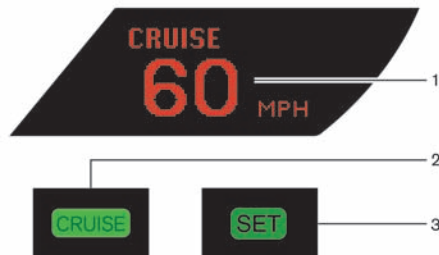
- If the cruise control system malfunctions, it will cancel automatically. The SET indicator will blink and the cruise control system warning will appear to warn the driver. (  "CRUISE CONTROL SYSTEM WARNING" page 2-37)
- If the engine coolant temperature becomes excessively high, the cruise control system will be canceled automatically.
- If the SET indicator blinks, turn the cruise control main switch off and contact a GT-R certified NISSAN dealer.

- The SET indicator may sometimes blink when the cruise control main switch is turned on while pushing the RESUME/ACCELERATE, SET/COAST or CANCEL switch. To properly set the cruise control system, perform the steps below in the order indicated.



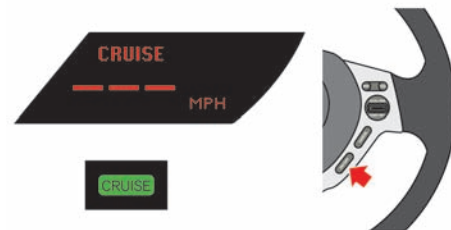
## STEERING-WHEEL-MOUNTED CONTROLS

1. MAIN switch  
Turns cruise control ON/OFF.
2. SET/COAST switch (pressed down)  
Lowers the set vehicle speed.
3. RESUME/ACCELERATE switch (pressed up)  
Raises the set vehicle speed.
4. CANCEL switch  
Cancels cruise control.



## INDICATORS AND DISPLAY

1. CRUISE display  
Displays the set vehicle speed.
2. CRUISE indicator  
Informs the driver that the MAIN switch is ON.
3. SET indicator  
Informs the driver that the vehicle is driving at the set speed.



## CRUISE CONTROL OPERATIONS

### Constant-speed driving

To set the cruising speed, perform the following procedure.

1. Push the MAIN switch on. The CRUISE indicator will come on.



2. Accelerate your vehicle to the desired speed, push the SET/COAST switch and release it. (The SET indicator will illuminate in the instrument panel.) Take your foot off the accelerator pedal. Your vehicle will maintain the set speed.

**NOTE:**

**If the vehicle speed reaches approximately 3 MPH (5 km/h) over the set speed, the set speed on the vehicle information display blinks.**

### Passing another vehicle

To pass another vehicle, depress the accelerator pedal. When you release the pedal, the vehicle will return to the previously set speed.

### Increasing the set vehicle speed

To reset at a faster cruising speed, use one of the following methods:

- Depress the accelerator pedal. When the vehicle attains the desired speed, push and release the SET/COAST switch.
- Push and hold the RESUME/ACCELERATE switch. When the vehicle attains the speed you desire, release the switch.
- Push and then quickly release the RESUME/ACCELERATE switch. Each time you do this, the set speed will increase by about 1 MPH (1.6 km/h).

### Decreasing the set vehicle speed

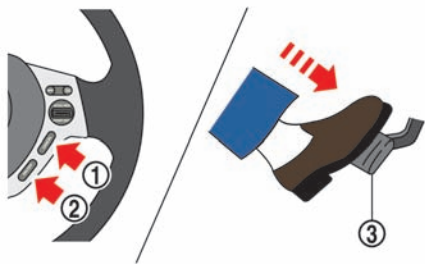
To reset at a slower cruising speed, use one of the following methods:

- Lightly tap the brake pedal. When the vehicle attains the desired speed, push and release the SET/COAST switch.
- Push and hold the SET/COAST switch. Release the switch when the vehicle slows down to the desired speed.
- Push and then quickly release the SET/

COAST switch. Each time you do this, the set speed will decrease by about 1 MPH (1.6 km/h).

### Resuming the preset speed

To resume the preset speed, push and release the RESUME/ACCELERATE switch. The vehicle will resume the last set cruising speed when the vehicle speed is over 25 MPH (40 km/h).



### Canceling the preset speed

To cancel the preset speed, use one of the following methods:

- Push the CANCEL switch ①. The SET indicator will turn off.
- Tap the brake pedal ③. The SET indicator will turn off.
- Turn the MAIN switch ② off. Both the CRUISE indicator and SET indicator will turn off.

### NOTE:

- If cruise control was canceled by pressing the cancel switch or by depressing the brake pedal, the system changes to standby status.
- If you depress the brake pedal while pushing the RESUME/ACCELERATE or SET/COAST switch and reset at the cruising speed, the cruise control will be deactivated. Turn the MAIN switch off once and then turn it on again.

Under the following conditions, cruise control will be automatically canceled.

- Vehicle speed drops to below approximately 19 MPH (30 km/h).
- Vehicle speed drops to more than approximately 8 MPH (13 km/h) below the set vehicle speed.
- The shift lever is moved to a position other than **A**↔**M**.
- VDC operates.
- A tire is spinning.
- There is a malfunction in the cruise control system.

## HILL START ASSIST

### WARNING

- Never rely solely on the hill start assist system to prevent the vehicle from moving backward on a hill. Always drive carefully and attentively. Depress the brake pedal when the vehicle is stopped on a steep hill. Be especially careful when stopped on a hill on frozen or muddy roads. Failure to prevent the vehicle from rolling backwards may result in a loss of control of the vehicle and possible serious injury or death.
- The hill start assist system is not designed to hold the vehicle at a standstill on a hill. Depress the brake pedal when the vehicle is stopped on a steep hill. Failure to do so may cause the vehicle to roll backwards and may result in a collision or serious personal injury.
- The hill start assist may not prevent the vehicle from rolling backwards on a hill under all load or road conditions. Always be prepared to depress the brake pedal to prevent the vehicle from rolling backwards.

**Failure to do so may result in a collision or serious personal injury.**

## NOTICE

**When the vehicle is stopped on a hill, do not hold the vehicle in place by depressing the accelerator pedal. Doing so may cause the clutch to overheat and result in transmission damage. Use the brakes to prevent the vehicle from moving.**

The hill start assist system automatically keeps the brakes applied to help prevent the vehicle from rolling backwards in the time it takes the driver to release the brake pedal and apply the accelerator when the vehicle is stopped on a hill.

Hill start assist will operate automatically under the following conditions:


- The shift lever is moved to a forward or reverse position.
- The vehicle is stopped completely on a hill by applying the brake.

The maximum holding time is 2 seconds. After 2 seconds the vehicle will begin to roll back and hill start assist will stop operating completely.

Hill start assist will not operate when the shift

lever is moved to the **N** or **P** position or on a flat and level road.

### NOTE:

**This system does not function when the Vehicle Dynamic Control (VDC) system warning appears on the vehicle information display located in the tachometer. (  “VEHICLE DYNAMIC CONTROL (VDC) SYSTEM WARNING” page 2-35)**

## BREAK-IN SCHEDULE

### NOTICE

**Follow these recommendations to obtain maximum engine performance and ensure the future reliability and economy of your new vehicle. Failure to follow these recommendations may result in shortened engine life and reduced engine performance.**

Please observe the following types of driving until the mileage shown below has been reached.


Until 300 miles (500 km):

- Do not depress the accelerator pedal more than halfway and avoid rapid acceleration.
- Drive with the engine speed kept at less than 3,500 RPM.
- Avoid unnecessary quick steering, abrupt braking and driving on poor roads.




300 to 1,200 miles (500 to 2,000 km)

- Avoid rapid acceleration in a low gear (1st to 3rd gears) with the accelerator pedal fully depressed. Depress the pedal slowly.
- Avoid unnecessary quick steering and abrupt braking.

## **INCREASING FUEL ECONOMY**

- Drive with the suspension setup switch in the COMF mode to allow more suspension stroke.
- Accelerate slowly and smoothly. Maintain cruising speeds with a constant accelerator position.
- Drive at moderate speeds on the highway. Driving at high speed lowers fuel economy.
- Avoid unnecessary stopping and braking. Keep a safe distance behind other vehicles.
- Select a gear range suitable to road conditions.
- Avoid unnecessary engine idling.
- Keep your engine tuned up.
- Follow the recommended periodic maintenance schedule.
- Keep the tires inflated to the correct pressure. Low tire pressure increases tire wear and lowers fuel economy.
- Keep the wheels in correct alignment. Improper alignment increases tire wear and lowers fuel economy.
- Air conditioner operation lowers fuel economy. Use the air conditioner only when necessary.
- When cruising at highway speeds, it is more economical to use the air conditioner and leave the windows closed to reduce drag.
- Use the recommended viscosity engine oil. (  "Oil viscosity" page 9-5)

## ALL-WHEEL DRIVE (AWD)

|  |   |
|--|---|
| Warning light  | Comes on or blinks when                               |
| <br>Comes on       | There is a malfunction in the all wheel drive system. |
| <br>Blinks rapidly | The power-train oil temperature rises abnormally.     |
| <br>Blinks slowly  | The difference in wheel rotation is large.            |

### AWD WARNING LIGHT

The AWD warning light is located in the meter.

The AWD warning light comes on when the ignition switch is pushed to the ON position. It turns off soon after the engine is started.

If any malfunction occurs in the AWD system while the engine is running, the warning light will come on.

The warning light may blink rapidly (about twice per second) while trying to free a stuck vehicle due to high power train oil temperature. The driving mode may change to two-wheel drive. If the warning light blinks rapidly during operation, stop the vehicle with the engine idling in a safe place immediately. Then if the light goes off after a while, you can continue driving.

A large difference between the diameters of front and rear wheels will make the warning light blink slowly (about once per two seconds). Pull off the road in a safe area, and idle the engine. Check that all tire sizes are the same, tire pressure is correct and tires are not worn.

If the warning light is blinking after the above operation, have your vehicle checked by a GT-R certified NISSAN dealer as soon as possible.

### WARNING

- **Do not attempt to raise two wheels off the ground and shift the transmission to any drive or reverse position with the engine running. Doing so may result in drivetrain damage or unexpected vehicle movement which could result in**

**serious vehicle damage or personal injury.**

- **Do not attempt to test an AWD equipped vehicle on a 2-wheel dynamometer (such as the dynamometers used by some states for emissions testing) or similar equipment even if the other two wheels are raised off the ground. Make sure that you inform the test facility personnel that your vehicle is equipped with AWD before it is placed on a dynamometer. Using the wrong test equipment may result in drivetrain damage or unexpected vehicle movement which could result in serious vehicle damage or personal injury.**

### NOTICE

- **If the warning light comes on while driving there may be a malfunction in the AWD system. Reduce the vehicle speed and have your vehicle checked by a GT-R certified NISSAN dealer as soon as possible.**
- **If the warning light remains on after the above operation, have your**

vehicle checked by a GT-R certified NISSAN dealer as soon as possible.

- The power train may be damaged if you continue driving with the warning light blinking rapidly.

## TIGHT CORNER BRAKING PHENOMENON

When driving on dry pavement in AWD mode, or immediately after starting the engine in cold conditions, when the steering wheel is turned all the way, the vehicle may behave as if the brakes had been applied. This phenomenon is known as the “tight corner braking phenomenon”.

This phenomenon is unique to AWD vehicles, and occurs due to a difference in speeds between the front and rear wheels while the vehicle is turning. This does not indicate that there is a malfunction. If this phenomenon occurs, more force will be required to operate the steering wheel.

### NOTE:

- If the tight corner braking phenomenon occurs, a slipping sound may be heard from the tires, or a squeaking sound may be heard from the drive system.
- If excessive operation continues when a wheel has come off the road or at other times when the operation causes

a large difference in speed between the front and rear wheels (the wheels are spinning), the oil temperature in the drive system parts will increase.

In this case, to protect the drive system parts, the AWD warning light blinks rapidly and the system switches to RWD mode or low AWD mode. Keep the vehicle stopped and idling for a short time. When the warning light stops blinking, the vehicle returns from RWD mode to normal driving mode.

- If you feel an unusual vibration in the vehicle, even if the warning lights are not illuminated, have the vehicle inspected by a GT-R certified NISSAN dealer.

## TIRES

This vehicle is equipped with special tires. When changing the tires, install the designated special tires. Replacing tires as a set of four with new ones is recommended. However, if a tire is punctured or damaged, it may be possible to replace only the damaged tire. Determining whether one tire or a complete set of tires should be replaced is based on a number of factors including tire wear and condition. Contact your GT-R certified NISSAN dealer. They can recommend if an individual tire or a

complete set should be replaced.

## NOTICE

If tires other than the designated tires, tires with large differences in wear or tires of different sizes are installed, the AWD performance will be degraded and the drive mechanism may be damaged.

## AWD SYSTEM CHARACTERISTICS

The AWD system automatically distributes the optimal torque to the front and rear wheels. This provides both the superior turning performance of a front wheel drive vehicle and the traction of an AWD vehicle.

Electronic control continuously distributes torque to the front and rear wheels in the range from 0:100 (rear-wheel drive mode) to 50:50 (all-wheel drive mode) to match the driving conditions and road conditions. This allows the engine output (torque) to be effectively transmitted to the road surface.

## **LIMITED SLIP DIFFERENTIAL (LSD)**

This vehicle is equipped with a 1.5-way mechanical Limited Slip Differential (LSD).

### **WARNING**

Sudden operation of the accelerator pedal can result in fishtailing or side-slip, possibly causing an accident. Use particular caution when driving in rainy weather or on slippery roads.

### **NOTICE**

Use the designated differential gear oil. If any oil other than the designated oil is used, the LSD may not operate correctly, and noise and vibration may occur, possibly resulting in a malfunction.

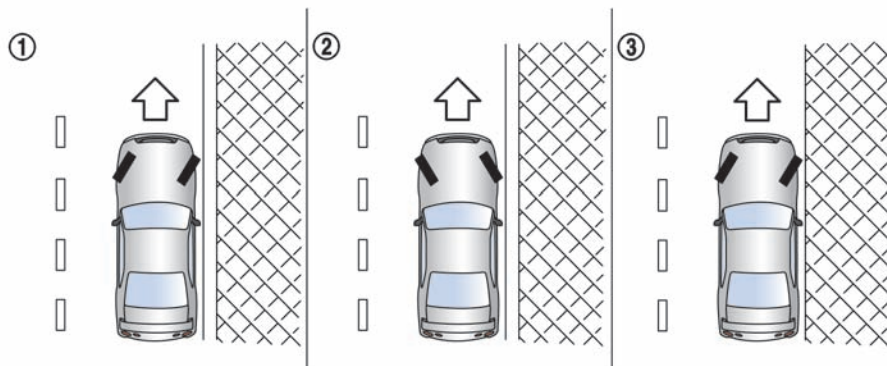
#### **NOTE:**

- If the vehicle accelerates from a stop with the steering wheel turned in cold temperatures, the inner wheel tire may slip and some noise or vibration may be heard. This phenomenon is unique to vehicles equipped with the LSD. This does not indicate that there is a malfunction.
- The LSD controls the speed difference

between the left and right wheels, and optimally allocates torque to the wheels.

- The 1.5-way mechanical LSD in this vehicle is characterized by its asymmetrical LSD effects when the accelerator pedal is ON and when it is OFF. This allows the appropriate amount of torque for the driving environment to be transmitted to the road surface.

## PARKING/PARKING ON HILLS



### WARNING

- Do not stop or park the vehicle over flammable materials such as dry grass, waste paper or rags. They may ignite and cause a fire.
- Never leave the engine running while the vehicle is unattended.
- Do not leave children unattended inside the vehicle. They could unknowingly activate switches or controls. Unattended children could become involved in serious accidents.

- Safe parking procedures require that both the parking brake be applied and the transmission placed into the **P** position. Failure to do so could cause the vehicle to move unexpectedly or roll away and result in an accident.
- Make sure the shift lever has been pushed as far forward as it can go and cannot be moved without depressing the foot brake pedal.

1. Firmly apply the parking brake.
2. Move the shift lever to the **P** position.

3. To help prevent the vehicle from rolling into the street when parked on a sloping drive way, it is a good practice to turn the wheels as illustrated.

- HEADED DOWNHILL WITH CURB: ①

Turn the wheels into the curb and move the vehicle forward until the curb side wheel gently touches the curb.

- HEADED UPHILL WITH CURB: ②

Turn the wheels away from the curb and move the vehicle back until the curb side wheel gently touches the curb.

- HEADED UPHILL OR DOWNHILL, NO CURB: ③

Turn the wheels toward the side of the road so the vehicle will move away from the center of the road if it moves.

4. Push the ignition switch to the LOCK position.

## POWER STEERING

### WARNING

**If the engine is not running or is turned off while driving, the power assist for the steering will not work. Steering will be harder to operate.**

The power assisted steering uses a hydraulic pump, driven by the engine, to assist steering.

If the engine stops or the drive belt breaks, you will still have control of the vehicle. However, much greater steering effort is needed, especially in sharp turns and at low speeds.

## BRAKE SYSTEM

### BRAKING PRECAUTIONS

The brake system has two separate hydraulic circuits. If one circuit malfunctions, you will still have braking at two wheels.

You may feel a small click and hear a sound when the brake pedal is fully depressed slowly. This is not a malfunction and indicates that the brake assist mechanism is operating properly.

### Vacuum assisted brakes

The brake booster aids braking by using engine vacuum. If the engine stops, you can stop the vehicle by depressing the brake pedal. However, greater foot pressure on the brake pedal will be required to stop the vehicle and the stopping distance will be longer.

### Wet brakes

When the vehicle is washed or driven through water, the brakes may get wet. As a result, your braking distance will be longer and the vehicle may pull to one side during braking.

To dry brakes, drive the vehicle at a safe speed while lightly tapping the brake pedal to heat-up the brakes. Do this until the brakes return to normal. Avoid driving the vehicle at high speeds until the brakes function correctly.

### Using the brakes

Avoid resting your foot on the brake pedal while driving. This will cause overheating of the brakes, wearing out the brake and pads faster and reduce gas mileage.

To help reduce brake wear and to prevent the brakes from overheating, reduce speed and downshift to a lower gear before going down a slope or long grade. Overheated brakes may reduce braking performance and could result in loss of vehicle control.

### WARNING

- **While driving on a slippery surface, be careful when braking, accelerating or downshifting. Abrupt braking or accelerating could cause the wheels to skid and result in an accident.**
- **If the engine is not running or is turned off while driving, the power assist for the brakes will not work. Braking will be harder.**

## PARKING BRAKE BREAK-IN

Break in the parking brake shoes whenever the stopping effect of the parking brake is weakened or whenever the parking brake shoes and/or drums/rotors are replaced, in order to assure the best braking performance.

This procedure is described in the vehicle service manual and can be performed by a GT-R certified NISSAN dealer.

## BRAKE ASSIST

### ANTI-LOCK BRAKING SYSTEM (ABS)

#### WARNING

- **The Anti-lock Braking System (ABS) is a sophisticated device, but it cannot prevent accidents resulting from careless or dangerous driving techniques. It can help maintain vehicle control during braking on slippery surfaces. Remember that stopping distances on slippery surfaces will be longer than on normal surfaces even with ABS. Stopping distances may also be longer on rough, gravel or snow covered roads, or if you are using tire chains. Always maintain a safe distance from the vehicle in front of you. Ultimately, the driver is responsible for safety.**
- **Tire type and condition may also affect braking effectiveness. When replacing tires, install the specified size of tires on all four wheels.**

The Anti-lock Braking System (ABS) controls the brakes so the wheels do not lock during hard braking or when braking on slippery surfaces.

The system detects the rotation speed at each wheel and varies the brake fluid pressure to prevent each wheel from locking and sliding. By preventing each wheel from locking, the system helps the driver maintain steering control and helps to minimize swerving and spinning on slippery surfaces.

#### Using the system

Depress the brake pedal and hold it down. Depress the brake pedal with firm steady pressure, but do not pump the brakes. The ABS will operate to prevent the wheels from locking up. Steer the vehicle to avoid obstacles.

#### WARNING

**Do not pump the brake pedal. Doing so may result in increased stopping distances.**

#### Self-test feature

The ABS includes electronic sensors, electric pumps, hydraulic solenoids and a computer. The computer has a built-in diagnostic feature that tests the system each time you start the engine and move the vehicle at a low speed in forward or reverse. When the self-test occurs, you may hear a "clunk" noise and/or feel a pulsation in the brake pedal. This does not indicate that there is a malfunction. If the computer senses a malfunction, it switches the ABS off and illuminates

## VEHICLE DYNAMIC CONTROL (VDC) SYSTEM

the ABS warning light on the instrument panel. The brake system then operates normally, but without anti-lock assistance.






If the ABS warning light illuminates during the self-test or while driving, have the vehicle checked by a GT-R certified NISSAN dealer.



### Normal operation

The ABS operates at speeds above 3 to 6 MPH (5 to 10 km/h). The speed varies according to road conditions.

When the ABS senses that one or more wheels are close to locking up, the actuator rapidly applies and releases hydraulic pressure. This action is similar to pumping the brakes very quickly. You may feel a pulsation in the brake pedal and hear a noise from under the hood or feel a vibration from the actuator when it is operating. This is normal and indicates that the ABS is operating properly. However, the pulsation may indicate that road conditions are hazardous and extra care is required while driving.

The Vehicle Dynamic Control (VDC) system uses various sensors to monitor driver inputs and vehicle motion. Under certain driving situations, the system will control braking and engine output to help keep the vehicle on its steered path.

- The VDC mode can be changed using the VDC setup switch. (  "VDC, TRANSMISSION AND SUSPENSION SETUP SWITCHES" page 5-21)
- When the VDC system is operating, the  indicator in the instrument panel blinks.
- If the  indicator blinks, the road conditions may be slippery. Be sure to adjust your speed and driving to these conditions. Be sure to drive carefully. (  "Slip indicator light" page 2-29) (  "Vehicle Dynamic Control (VDC) off indicator light" page 2-29)
- Indicator light

If a malfunction occurs in the system, the  and  indicator lights illuminate in the instrument panel. As long as these indicators are illuminated, the VDC system function is canceled.

The VDC system uses an Active Brake Limited Slip (ABLS) function to improve vehicle traction. The ABLS system works when one of the driving wheels is spinning on a slippery surface. The

ABLS system brakes the spinning wheel, which distributes the driving power to the other drive wheel. If the vehicle is operated with the VDC setup switch pushed and the VDC system turned off, all VDC systems will be turned off. The ABLS system and ABS will still operate with the VDC system off.









While the VDC system is operating, you may feel a pulsation in the brake pedal and hear a noise or feel a vibration from under the hood. This is normal and indicates that the VDC system is working properly.

The VDC system computer has a built-in diagnostic feature that tests the system each time you start the engine and move the vehicle at a low speed forward or backward. When the self-test occurs, you may hear a "clunk" noise and/or feel a pulsation in the brake pedal. This does not indicate that there is a malfunction.





### WARNING

- **The VDC system is designed to help improve driving stability but does not prevent accidents due to abrupt steering operation at high speeds or due to careless or dangerous driving techniques. Reduce vehicle speed and be especially careful when driving and cornering on slippery surfaces and always drive care-**

fully.

- If engine related parts such as muffler are not standard equipment or are extremely deteriorated, the  indicator or  indicator or both indicator lights may illuminate.
- Do not modify the vehicle's suspension. If suspension parts such as shock absorbers, struts, springs, stabilizer bars and bushings are not NISSAN approved or are extremely deteriorated the VDC system may not operate properly. This could adversely affect vehicle handling performance, and the  indicator or  indicator or both indicator lights may illuminate.
- If brake related parts such as brake pads, rotors and calipers are not standard equipment or are extremely deteriorated, the  indicator or  indicator or both indicator lights may illuminate.
- When driving on extremely inclined surfaces such as higher banked corners, the VDC system may not operate properly and the  indicator or  indicator or both

indicator lights may illuminate. Do not drive on these types of roads.

- When driving on unstable surfaces such as a turntable, ferry, elevator or ramp, the  indicator or  indicator or both indicator lights may illuminate. This does not indicate that there is a malfunction. Restart the engine after driving onto a stable surface.
- If wheels or tires other than those recommended are used, the VDC system may not operate properly and the  indicator or  indicator or both indicator lights may illuminate.
- The VDC system is not a substitute for winter tires or tire chains on a snow covered road.

#### NOTE:

- Make sure VDC is on before driving the vehicle. The VDC OFF mode is an emergency mode to help free a vehicle stuck in mud or snow by temporarily stopping VDC operation and keeping torque on the wheels.
- When attempting to free the vehicle from mud or fresh snow, the VDC will

detect the tire slipping, and the engine speed may not increase even when the accelerator pedal is depressed. To raise the engine speed, use the VDC set up switch to turn the VDC system OFF.


- When the VDC system is turned OFF, all VDC functions (including traction control), except for the ABS functions, are deactivated.

## COLD WEATHER DRIVING


### FREEDING A FROZEN DOOR LOCK

To prevent a door lock from freezing, apply deicer through the key hole. If the lock becomes frozen, heat the key before inserting it into the key hole or use the Intelligent Key system.

### ANTI-FREEZE

In the winter when it is anticipated that the outside temperature will drop below 32°F (0°C), check antifreeze to assure proper winter protection. (  "ENGINE COOLING SYSTEM" page 8-9)

### BATTERY

If the battery is not fully charged during extremely cold weather conditions, the battery fluid may freeze and damage the battery. To maintain maximum efficiency, the battery should be checked regularly. (  "BATTERY" page 8-15)

### DRAINING OF COOLANT WATER

If the vehicle is to be left outside without antifreeze, drain the cooling system, including the engine block. Refill before operating the vehicle. For details, contact a GT-R certified NISSAN dealer.


### TIRE EQUIPMENT

The GT-R summer tires are made from a specially formulated rubber to maximize the vehicle's performance capabilities. Performance 5-42 **Starting and driving**

of summer tires is substantially reduced when temperatures are less than 32°F (0°C) so you must drive carefully. NISSAN recommends the use of winter or all-season tires on all four wheels if you plan to operate your vehicle in snowy or icy conditions when temperatures are less than 32°F (0°C).

### WARNING

**Never use summer tires when the temperature is below -4°F (-20°C) to prevent permanent tread deformation which may cause tire damage or tire failure. This may cause a loss of vehicle control which can result in serious personal injury or death.**

Tire chains may be used. (  "TIRE CHAINS" page 8-36)

If you install tires, they must also be the specified size, brand, construction and tread pattern on all four wheels.

### SPECIAL WINTER EQUIPMENT

It is recommended that the following items be carried in the vehicle during winter:

- A scraper and stiff-bristled brush to remove ice and snow from the windows and wiper blades.

- A sturdy, flat board to be placed under the jack to give it firm support.
- A shovel to dig the vehicle out of snowdrifts.
- Extra window washer fluid to refill the reservoir tank.

### DRIVING ON SNOW OR ICE

### WARNING

- **Wet ice (32°F, 0°C and freezing rain), very cold snow or ice can be slick and very hard to drive on. The vehicle will have much less traction or "grip" under these conditions. Try to avoid driving on wet ice until the road is salted or sanded.**
- **Whatever the condition, drive with caution. Accelerate and slow down with care. If accelerating or downshifting too fast, the drive wheels will lose even more traction.**
- **Allow more stopping distance under these conditions. Braking should be started sooner than on dry pavement.**
- **Allow greater following distances on slippery roads.**
- **Watch for slippery spots (glare ice).**

**These may appear on an otherwise clear road in shaded areas. If a patch of ice is seen ahead, brake before reaching it. Try not to brake while on the ice, and avoid any sudden steering maneuvers.**

- **Do not use the cruise control on slippery roads.**
- **Snow can trap dangerous exhaust gases under your vehicle. Keep snow clear of the exhaust pipe and from around your vehicle.**

## **ENGINE BLOCK HEATER (if so equipped)**

Engine block heaters are available through NISSAN dealers to assist in cold temperature starting. The engine block heater should be used when the outside temperature is 20°F (-7°C) or lower.

### **To use the engine block heater**

1. Turn the engine off.
2. Open the hood and unwrap the engine block heater cord.
3. Plug the engine block heater cord into a grounded 3-wire, 3-pronged extension cord.
4. Plug the extension cord into a Ground Fault

Interrupt (GFI) protected, grounded 110-volt AC (VAC) outlet.

5. The engine block heater must be plugged in for at least 2 - 4 hours, depending on outside temperatures, to properly warm the engine coolant. Use an appropriate timer to turn the engine block heater on.
6. Before starting the engine, unplug and properly store the cord to keep it away from moving parts.

## **WARNING**

- **Do not use your engine block heater with an ungrounded electrical system or a 2-pronged adapter. You can be seriously injured by an electrical shock if you use an ungrounded connection.**
- **Disconnect and properly store the engine block heater cord before starting the engine. Damage to the cord could result in an electrical shock and can cause serious injury.**
- **Use a heavy-duty 3-wire, 3-pronged extension cord rated for at least 10A. Plug the extension cord into a Ground Fault Interrupt (GFI) protected, grounded 110-VAC outlet.**

**Failure to use the proper extension cord or a grounded outlet can result in a fire or electrical shock and cause serious personal injury.**



**MEMO**

## 6 In case of emergency

|   |     |  |     |
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## FLAT TIRE

### TIRE PRESSURE MONITORING SYSTEM (TPMS)

This vehicle is equipped with the Tire Pressure Monitoring System (TPMS). It monitors tire pressure of all tires. When the low tire pressure warning light is lit, one or more of your tires is significantly under-inflated. If the vehicle is being driven with low tire pressure, the TPMS will activate and warn you of it by the low tire pressure warning light (in the instrument panel) or the LOW PRESSURE information screen (on the display). This system will activate only when the vehicle is driven at speeds above 16 MPH (25 km/h). (  "Low tire pressure warning light" page 2-25) (  "TIRE PRESSURE MONITORING SYSTEM (TPMS)" page 5-3)

#### WARNING

- If the low tire pressure warning light illuminates or LOW PRESSURE information is displayed on the monitor screen while driving, avoid sudden steering maneuvers or abrupt braking, reduce vehicle speed, pull off the road to a safe location and stop the vehicle as soon as possible. Driving with under-inflated tires may permanently damage the tires and increase the likelihood of tire failure. Serious


vehicle damage could occur and may lead to an accident and could result in serious personal injury. Check the tire pressure for all four tires. Adjust the tire pressure to the recommended COLD tire pressure shown on the Tire and Loading Information label to turn the low tire pressure warning light off. If the light still illuminates while driving after adjusting the tire pressure, a tire may be flat.

- When a wheel is replaced, the TPMS will not function and the low tire pressure warning light will flash for approximately 1 minute. The light will remain on after 1 minute. Contact a GT-R certified NISSAN dealer as soon as possible for tire replacement and/or system resetting.
- Replacing tires with those not originally specified by NISSAN could affect the proper operation of the TPMS.
- Do not inject any tire liquid or aerosol tire sealant into the tires, as this may cause a malfunction of the tire pressure sensors.

#### NOTE:

- You can check the pressure of all four tires on the multi function display. See the separate Multi Function Display Owner's Manual.
- The tires of this vehicle are filled with nitrogen gas. When the tire pressure is low, fill the tires with nitrogen. Contact a GT-R certified NISSAN dealer for information on filling the tires with nitrogen.
- If nitrogen is not available, compressed air may be safely used under normal driving conditions. However, NISSAN recommends refilling with nitrogen for maximum tire performance.

#### RUN-FLAT TIRES

Run-flat tires are those tires that can be used temporarily if they are punctured. (  "Run-flat tires" page 8-35)

Also, see the tire safety information in the Warranty Information Booklet.

#### WARNING

- Although you can continue driving with a punctured run-flat tire, remember that vehicle handling sta-

bility is reduced, which could lead to an accident and personal injury. Also, driving a long distance at high speeds may damage the tires.


- Do not drive at speeds above 50 MPH (80 km/h) and do not drive more than 50 miles (80 km) with a punctured run-flat tire. The actual distance the vehicle can be driven on a flat tire depends on outside temperature, vehicle load, road conditions and other factors.
- Drive safely at reduced speeds. Avoid hard cornering or braking, which may cause you to lose control of the vehicle.

## NOTICE


- Never install tire chains on a punctured run-flat tire, as this could damage your vehicle.
- Avoid driving over any projection or pothole, as the clearance between the vehicle and the ground is smaller than normal.
- Do not enter an automated car wash with a punctured run-flat tire.

- Have the punctured tire replaced by your GT-R certified NISSAN dealer as soon as possible, as the tire's performance capability is reduced.

If you have a flat tire and have to stop the vehicle, follow the instructions below.

1. Safely move the vehicle off the road and away from traffic.
2. Turn on the hazard warning flashers.
3. Park on a level surface and apply the parking brake. Move the shift lever to the  position.
4. Turn off the engine.
5. Raise the hood to warn other traffic, and to signal professional road assistance personnel that you need assistance.
6. Have all passengers get out of the vehicle and stand in a safe place, away from traffic and clear of the vehicle.

If needed Roadside Assistance is available. Please see your Warranty Information Booklet or Roadside Assistance I.D. Card for the toll-free number to call (U.S.) or Warranty Information Booklet (Canada).

For the tire removing procedure, see the following section. (  "JACKING VEHICLE AND REMOVING WHEELS" page 8-39)

## JUMP STARTING


The following circumstances indicate that the battery is discharged.

- The starter motor does not turn or it turns weakly and the engine does not start.
- The vehicle lights are much dimmer than usual.
- The sound of the horn is weak. The horn makes no sound.

## NOTICE

**When the battery is discharged, do not close either of the front doors. The automatic window adjusting function will not work, and the side roof panel may be damaged.**

To start your engine with a booster battery, the instructions and precautions below must be followed.

For the battery maintenance information, see the following section. (  "BATTERY" page 8-15)

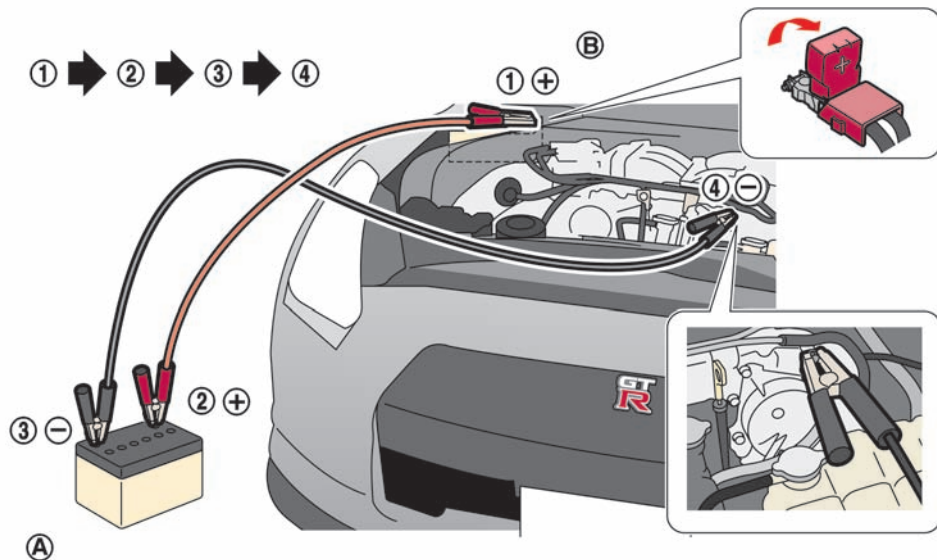
## WARNING

- If done incorrectly, jump starting can lead to a battery explosion, resulting in severe injury or death. It could also damage your vehicle.

- **Explosive hydrogen gas is always present in the vicinity of the battery. Keep all sparks and flames away from the battery.**
- **Do not allow battery fluid to come into contact with eyes, skin, clothing or painted surfaces. Battery fluid is a corrosive sulphuric acid solution which can cause severe burns. If the fluid should come into contact with anything, immediately flush the contacted area with water.**
- **Keep the battery out of the reach of children.**
- **The booster battery must be rated at 12 volts. Use of an improperly rated battery can damage your vehicle.**
- **Whenever working on or near a battery, always wear suitable eye protectors (for example, goggles or industrial safety spectacles) and remove rings, metal bands, or any other jewelry. Do not lean over the battery when jump starting.**
- **Do not attempt to jump start a frozen battery. It could explode and cause serious injury.**
- **Your vehicle has an automatic en-**

**gine cooling fan. It could come on at any time. Keep hands and other objects away from it.**

If needed, Roadside Assistance is available. Please see your Warranty Information Booklet or Roadside Assistance I.D. Card for the toll-free number to call (U.S.) or Warranty Information Booklet (Canada).



**⚠ WARNING**

Always follow the instructions below. Failure to do so could result in damage to the charging system and cause personal injury.

1. If the booster battery is in another vehicle (A), position the two vehicles (A and B) to bring their batteries into close proximity to each other. **Do not allow the two vehicles to touch.**

2. Apply parking brake. Move the shift lever to the **P** position. Switch off all unnecessary electrical systems (light, heater, air conditioner, etc.).
3. Remove the battery cover. Cover the battery with a firmly wrung out moist cloth to reduce explosion hazard.
4. Connect jumper cables in the sequence as illustrated (1 → 2 → 3 → 4).

**If the battery is disconnected or discharged, the steering wheel will lock and cannot be turned. Supply power using jumper cables before pushing the ignition switch and disengaging the steering lock.**

**⚠ CAUTION**

- Always connect positive (+) to positive (+) and negative (-) to body ground (as illustrated), not to the battery.
- Make sure that the jumper cables do not touch moving parts in the engine compartment and that clamps do not contact any other metal.

5. Start the engine of the booster vehicle (A) and let it run for a few minutes.


6. Keep the engine speed of the booster vehicle **(A)** at about 2,000 rpm, and start the engine of the vehicle being jump started **(B)**.

**NOTE:**

**Do not keep the starter motor engaged for more than 10 seconds. If the engine does not start right away, push the ignition switch to the OFF position and wait 10 seconds before trying again.**

7. After starting your engine, carefully disconnect the negative cable and then the positive cable (**4** → **3** → **2** → **1**).
8. Be sure to dispose of the cloth used to cover the vent holes as it may be contaminated with corrosive acid.
9. Put the battery cover on.

**NOTE:**

**If the clamp clip is difficult to connect to the battery terminal, remove the cowl top cover to make it easier. (  "REMOVING THE COWL TOP COVER" page 8-8)**

## PUSH STARTING

Do not attempt to start the engine by pushing.

### NOTICE

**Your NISSAN cannot be push-started or tow-started. Attempting to do so may cause transmission damage.**

If needed, Roadside Assistance is available. Please see your Warranty Information Booklet or Roadside Assistance I.D. Card for the toll-free number to call (U.S.) or Warranty & Roadside Assistance Information Booklet (Canada).

## IF YOUR VEHICLE OVERHEATS

### WARNING

- **Do not continue to drive if your vehicle overheats. Doing so could cause engine damage or a vehicle fire.**
- **To avoid the danger of being scalded, never remove the radiator filler cap and the coolant reservoir cap while the engine is still hot. When the cap is removed, pressurized hot water will spurt out, possibly causing serious injury.**
- **Do not open the hood if steam is coming out.**

If your vehicle is overheating (indicated by an extremely high temperature gauge reading), or if you feel a lack of engine power, detect unusual noise, etc., take the following steps:

1. Move the vehicle safely off the road, apply the parking brake and move the shift lever to the **P** position.

**Do not stop the engine.**

2. Turn off the air conditioner. Open all the windows, move the temperature control to maximum hot and fan control to high speed.

3. If engine overheating is caused by climbing a long hill on a hot day, run the engine at a fast idle (approximately 1,500 rpm) until the temperature gauge indication returns to normal.
4. Get out of the vehicle. Look and listen for steam or coolant escaping from the radiator before opening the hood. (If steam or coolant is escaping, turn off the engine.) Do not open the hood further until no steam or coolant can be seen.
5. Open the engine hood.

### **WARNING**


**If steam or water is coming from the engine, stand clear to prevent getting burned.**

6. Visually check drive belts for damage or looseness. Also check if the cooling fan is running. The radiator hoses and radiator should not leak water. If coolant is leaking, the drive belts are missing or loose, or the cooling fan does not run, stop the engine.

### **WARNING**

**Be careful not to allow your hands, hair, jewelry or clothing to come into contact with, or get caught in, engine belts or**

### **the engine cooling fan. The engine cooling fan can start at any time.**

7. When the coolant temperature gauge goes down to the midpoint, stop the engine and wait until the gauge goes down further to "C" (cold).
8. After the engine cools down, check the coolant level in the reservoir tank. Add coolant to the reservoir, if necessary, after opening the coolant reservoir cap with a heavy cloth covering it. (  "ENGINE COOLING SYSTEM" page 8-9)
9. Have your vehicle repaired at the nearest GT-R certified NISSAN dealer.

If needed, Roadside Assistance is available. Please see your Warranty Information Booklet or Roadside Assistance I.D. Card for the toll-free number to call (U.S.) or Warranty & Roadside Assistance Information Booklet (Canada).

## **TOWING YOUR VEHICLE**

When towing your vehicle, all State (Provincial in Canada) and local regulations for towing must be followed. Incorrect towing equipment could damage your vehicle. Towing instructions are available from a GT-R certified NISSAN dealer. Local service operators are familiar with the applicable laws and procedures for towing. To assure proper towing and to prevent accidental damage to your vehicle, NISSAN recommends that you have a service operator tow your vehicle. It is advisable to have the service operator carefully read the following precautions.

### **WARNING**

- **Never ride in a vehicle that is being towed.**
- **Never get under your vehicle after it has been lifted by a tow truck.**

### **CAUTION**


**Always attach safety chains before towing.**

### **NOTICE**

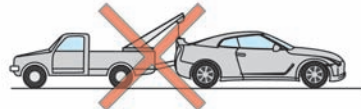
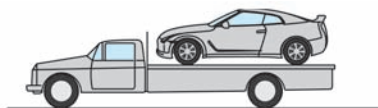
**When towing, make sure that the transmission, axles, steering system and powertrain are in working condi-**

**In case of emergency 6-7**

**tion. If any unit is damaged, dollies must be used.**

For information about towing your vehicle behind a recreational vehicle (RV), see the following section. (  "FLAT TOWING" page 9-14)

If needed, Roadside Assistance is available. Please see your Warranty Information Booklet or Roadside Assistance I.D. Card for the toll-free number to call (U.S.) or Warranty & Roadside Assistance Information Booklet (Canada).

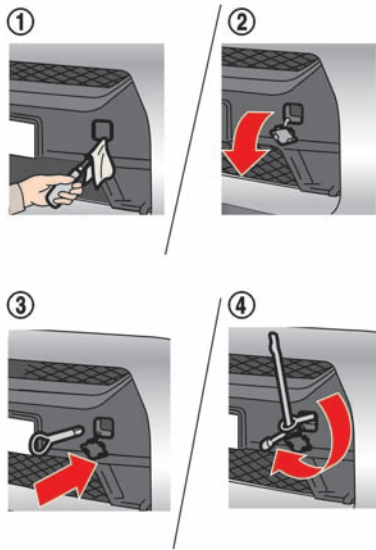


## **TOWING RECOMMENDED BY NISSAN**

NISSAN recommends that towing dollies be used when towing your vehicle or the vehicle be placed on a flat bed truck as illustrated.

### **NOTICE**

**Never tow AWD models with any of the wheels on the ground as this may cause serious and expensive damage to the powertrain.**



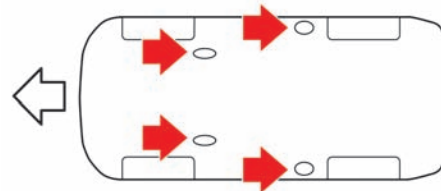
**This could cause them to explode and result in serious injury. Parts of your vehicle could also overheat and be damaged.**

### Pulling a stuck vehicle

If your vehicle is stuck in sand, snow, mud, etc., use a tow strap or other device designed specifically for vehicle recovery. Always follow the manufacturer's instructions for the recovery device.

Using a suitable tool wrapped with a cloth ①, remove the cover ② from the front bumper.

Securely install the vehicle recovery hook ③ stored in the toolbox located under the front passenger's floor. Use the wheel nut wrench ④ as illustrated to secure the recovery hook. Attach the tow strap to the recovery hook. Make sure that the hook is properly secured in the original place after use.



Do not use the tie down hooks for towing or vehicle recovery.

### VEHICLE RECOVERY (Freeing a stuck vehicle)

#### **⚠ WARNING**

- Stand clear of a stuck vehicle.
- Do not spin your tires at high speed.

#### **⚠ CAUTION**

- Do not use the vehicle tie downs to free a vehicle stuck in sand, snow, mud, etc.
- Always pull the cable straight out from the front of the vehicle. Never pull on the vehicle at an angle.
- Pulling devices such as ropes or canvas straps are not recommended for use in vehicle towing or recovery.

## NOTICE

- **Tow chains or cables must be attached only to the vehicle recovery hooks or main structural members of the vehicle. Otherwise, the vehicle body will be damaged.**
- **Never tow a vehicle using the vehicle tie downs or recovery hooks.**
- **Pulling devices should be routed so they do not touch any part of the suspension, steering, brake or cooling systems.**

### Rocking a stuck vehicle

If your vehicle is stuck in sand, snow, mud, etc., use the following procedure:

1. Turn off the Vehicle Dynamic Control (VDC) system.
2. Make sure the area in front and behind the vehicle is clear of obstructions.
3. Turn the steering wheel right and left to clear an area around the front tires.
4. Slowly rock the vehicle forward and backward.
  - Shift back and forth between the **R** and **A↔M** positions.

### 6-10 In case of emergency

- Apply the accelerator as little as possible to maintain the rocking motion.
  - Release the accelerator pedal before shifting between the **R** and **A↔M** positions.
  - Do not spin the tires above 35 MPH (55 km/h).
5. If the vehicle cannot be freed after a few tries, contact a professional towing service to remove the vehicle.

**MEMO**

**MEMO**

# 7 Appearance and care

|                             |     |   |     |
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## CLEANING EXTERIOR

In order to maintain the appearance of your vehicle, it is important to take proper care of it.

To protect the paint surfaces, wash your vehicle as soon as you can:

- after a rainfall to prevent possible damage from acid rain
- after driving on coastal roads
- when contaminants such as soot, bird droppings, tree sap, metal particles or bugs get on the paint surface
- when dust or mud builds up on the surface

Whenever possible, store or park your vehicle inside a garage or in a covered area.

When it is necessary to park outside, park in a shady area or protect the vehicle with a body cover.

**Be careful not to scratch the paint surface when putting on or removing the body cover.**

### WASHING

Wash dirt off the vehicle with a wet sponge and plenty of water. Clean the vehicle thoroughly using a mild soap, a special vehicle soap or general purpose dishwashing liquid mixed with clean, lukewarm (never hot) water.

### NOTICE

- **Do not use car washes that use acid in the detergent. Some car washes, especially brushless ones, use some acid for cleaning. The acid may react with some plastic vehicle components, causing them to crack. This could affect their appearance, and also could cause them not to function properly. Always check with your car wash to confirm that acid is not used.**
- **Do not wash the vehicle with strong household soap, strong chemical detergents, gasoline or solvents.**
- **Do not wash the vehicle in direct sunlight or while the vehicle body is hot, as the surface may become water-spotted.**
- **Avoid using tight-napped or rough cloths, such as washing mitts. Care must be taken when removing caked-on dirt or other foreign substances so the paint surface is not scratched or damaged.**

Rinse the vehicle thoroughly with plenty of clean water.

Inside flanges, seams and folds on the doors, hatches and hood are particularly vulnerable to the effects of road salt. Therefore, these areas must be regularly cleaned. Take care that the drain holes in the lower edge of the door are open. Spray water under the body and in the wheel wells to loosen the dirt and wash away road salt.

Avoid leaving water spots on the paint surface by using a damp chamois to dry the vehicle.

### WAXING

Regular waxing protects the paint surface and helps retain new vehicle appearance. Polishing is recommended to remove built-up wax residue and to avoid a weathered appearance before reapplying wax.

A GT-R certified NISSAN dealer can assist you in choosing the proper product.

- Wax your vehicle only after a thorough washing. Follow the instructions supplied with the wax.
- Do not use a wax containing any abrasives, cutting compounds or cleaners that may damage the vehicle finish.

Machine compound or aggressive polishing on a base coat/clear coat paint finish may dull the finish or leave swirl marks.

## REMOVING SPOTS

Remove tar and oil spots, industrial dust, insects, and tree sap as quickly as possible from the paint surface to avoid lasting damage or staining. Special cleaning products are available at a GT-R certified NISSAN dealer or any automotive accessory stores.

## UNDERBODY

In areas where road salt is used in winter, the underbody must be cleaned regularly. This will prevent dirt and salt from building up and causing the acceleration of corrosion on the underbody and suspension. Before the winter period and again in the spring, the underseal must be checked and, if necessary, re-treated.

## GLASS

Use glass cleaner to remove smoke and dust film from the glass surfaces. It is normal for glass to become coated with a film after the vehicle is parked in the hot sun. Glass cleaner and a soft cloth will easily remove this film.

### NOTICE

**When cleaning the inside of the windows, do not use sharp-edged tools, abrasive cleaners or chlorine-based disinfectant cleaners. They could damage the electrical conductors, radio antenna elements or rear window**

defroster elements.

## ALUMINUM ALLOY WHEELS

Wash regularly with a sponge dampened in a mild soap solution, especially during winter months in areas where road salt is used. Salt could discolor the wheels if not removed.

### NOTICE

**Follow the directions below to avoid staining or discoloring the wheels:**

- **Do not use a cleaner that uses strong acid or alkali contents to clean the wheels.**
- **Do not apply wheel cleaners to the wheels when they are hot. The wheel temperature should be the same as ambient temperature.**
- **Rinse the wheel to completely remove the cleaner within 15 minutes after the cleaner is applied.**

## CHROME PARTS

Clean chrome parts regularly with a non-abrasive chrome polish to maintain the finish.

## OUTSIDE DOOR HANDLES

After driving on a road where salt is used in winter, immediately wash and clean the outside door handles that are provided with a special coating. This will keep the beautiful finish longer.

## TIRE DRESSING

NISSAN does not recommend the use of tire dressings. Tire manufacturers apply a coating to the tires to help reduce discoloration of the rubber. If a tire dressing is applied to the tires, it may react with the coating and form a compound. This compound may come off the tire while driving and stain the vehicle paint.

If you choose to use a tire dressing, take the following precautions:

- Use a water-based tire dressing. The coating on the tire dissolves more easily with an oil-based tire dressing.
- Apply a light coat of tire dressing to help prevent it from entering the tire tread/grooves (where it would be difficult to remove).
- Wipe off excess tire dressing using a dry towel. Make sure the tire dressing is completely removed from the tire tread/grooves.
- Allow the tire dressing to dry as recommended by tire dressing manufacturer.

## CLEANING INTERIOR

Occasionally remove loose dust from the interior trim, plastic parts and seats using a vacuum cleaner or soft bristled brush. Wipe the vinyl and leather surfaces with a clean, soft cloth dampened in mild soap solution, then wipe clean with a dry soft cloth.

Regular care and cleaning is required in order to maintain the appearance of the leather.

Before using any fabric protector, read the manufacturer's recommendations. Some fabric protectors contain chemicals that may stain or bleach the seat material.

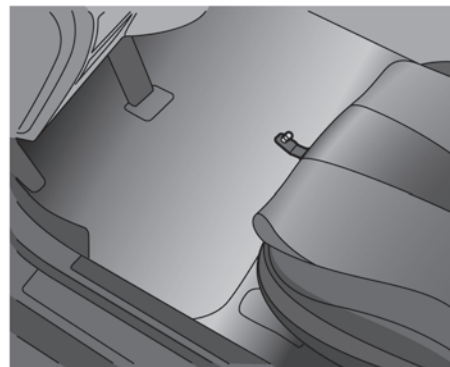
Use a cloth dampened only with water, to clean the meter and gauge lens.

### ⚠ CAUTION

- **Do not use water or acidic cleaners (hot steam cleaners) on the seat. This can damage the seat or occupant classification sensor. This can also affect the operation of the air bag system and result in serious personal injury.**
- **Never use benzene, thinner, or any similar material.**

### NOTICE

- **Small dirt particles can be abrasive and damaging to the leather surfaces and should be removed promptly. Do not use saddle soap, car waxes, polishes, oils, cleaning fluids, solvents, detergents or ammonia-based cleaners as they may damage the leather's natural finish.**
- **Never use fabric protectors unless recommended by the manufacturer.**
- **Do not use glass or plastic cleaner on meter or gauge lens covers. It may damage the lens cover.**



### Floor mat positioning aid

This vehicle includes front floor mat brackets to act as floor mat positioning aid. NISSAN floor mats have been specially designed for your vehicle model. The front floor mats have grommet holes in them. To install, position the mat by placing the floor mat bracket hook through the floor mat grommet hole while centering the mat in the footwell.

Periodically check to make certain that the mats are properly positioned.

### FLOOR MATS

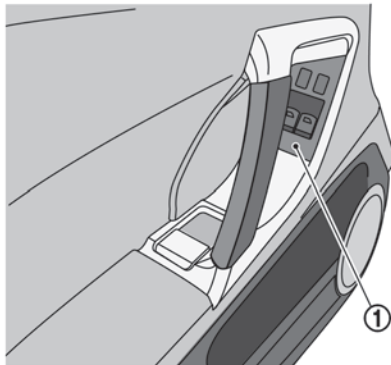
The use of NISSAN floor mats can extend the life of your vehicle carpet and make it easier to clean the interior. **No matter what mats are used, be sure they are fitted for your vehicle and are properly positioned in the footwell to prevent interference with pedal operation.** Mats should be maintained with regular cleaning and replaced if they become excessively worn.

## SEAT BELTS

The seat belts can be cleaned by wiping them with a sponge dampened in a mild soap solution. Allow the belts to dry completely in the shade before using them. (👉 “SEAT BELT MAINTENANCE” page 1-12)

### WARNING

**Do not allow wet seat belts to roll up in the retractor. NEVER use bleach, dye, or chemical solvents to clean the seat belts, since these materials may severely weaken the seat belt webbing.**



### Cleaning the power window finisher

Moisten a soft cloth with neutral detergent and wipe off the dirt on the power window finisher ①.

After wiping off the dirt, soak a cloth with water and wring it out thoroughly, then wipe off the neutral detergent.

### NOTICE

**Some cleaners may cause the paint to peel or cause spots to occur. If using a cleaner, consult with a GT-R certified NISSAN dealer.**

## CORROSION PROTECTION

### MOST COMMON FACTORS CONTRIBUTING TO VEHICLE CORROSION

- The accumulation of moisture-retaining dirt and debris in body panel sections, cavities, and other areas.
- Damage to paint and other protective coatings caused by gravel and stone chips or minor traffic accidents.

### ENVIRONMENTAL FACTORS INFLUENCE THE RATE OF CORROSION

#### Moisture

Accumulation of sand, dirt and water on the vehicle body underside can accelerate corrosion. Wet floor coverings will not dry completely inside the vehicle, and should be removed for drying to avoid floor panel corrosion.

#### Relative humidity

Corrosion will be accelerated in areas of high relative humidity, especially those areas where the temperatures stay above freezing where atmospheric pollution exists, or where road salt is used.

#### Temperature

A temperature increase will accelerate the rate of corrosion to those parts which are not well ventilated.

## Air pollution

Industrial pollution, the presence of salt in the air in coastal areas, or heavy road salt use will accelerate the corrosion process. Road salt will also accelerate the disintegration of paint surfaces.

## TO PROTECT YOUR VEHICLE FROM CORROSION

- Wash and wax your vehicle often to keep the vehicle clean.
- Always check for minor damage to the paint and repair it as soon as possible.
- Keep drain holes at the bottom of the doors open to avoid water accumulation.
- Check the underbody for accumulation of sand, dirt or salt. If present, wash with water as soon as possible.

## CAUTION

- **NEVER remove dirt, sand or other debris from the passenger compartment by washing it out with a hose. Remove dirt with a vacuum cleaner or broom.**
- **Never allow water or other liquids to come in contact with electronic components inside the vehicle as**

## this may damage them.

Chemicals used for road surface deicing are extremely corrosive. They accelerate corrosion and deterioration of underbody components such as the exhaust system, fuel and brake lines, brake cables, floor pan and fenders.

## In winter, the underbody must be cleaned periodically.

For additional protection against rust and corrosion, which may be required in some areas, consult a GT-R certified NISSAN dealer.

**MEMO**

# 8 Maintenance and do-it-yourself

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## **MAINTENANCE REQUIREMENT**

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Your new NISSAN has been designed to have minimum maintenance requirements with long service intervals to save you both time and money. However, some day-to-day and regular maintenance is essential to maintain your NISSAN's fine mechanical condition, as well as its emission and engine performance.

It is the owner's responsibility to make sure that the scheduled maintenance, as well as general maintenance, is performed.

As the vehicle owner, you are the only one who can ensure that your vehicle receives the proper maintenance care. You are a vital link in the maintenance chain.

### **SCHEDULED MAINTENANCE**

For your convenience, both required and optional scheduled maintenance items are described and listed in your "NISSAN Service and Maintenance Guide". You must refer to that guide to ensure that necessary maintenance is performed on your NISSAN at regular intervals.

### **GENERAL MAINTENANCE**

General maintenance includes those items which should be checked during normal day-to-day operation. They are essential for proper vehicle operation. It is your responsibility to perform these procedures regularly as prescribed.

Performing general maintenance checks requires minimal mechanical skill and only a few general automotive tools.

These checks or inspections can be done by yourself, a qualified technician or, if you prefer, a GT-R certified NISSAN dealer.

### **WHERE TO GO FOR SERVICE**

GT-R certified NISSAN dealers are required to have additional training and equipment and are the only NISSAN dealers authorized to perform warranty work on key vehicle performance systems such as engine, transmission, suspension and brakes.

If maintenance service is required or your vehicle appears to malfunction, have the systems checked and serviced by a GT-R certified NISSAN dealer.

NISSAN technicians are well-trained specialists and are kept up to date with the latest service information through technical bulletins, service tips, and in-dealer information systems. They are completely qualified to work on NISSAN vehicles **before** work begins.

You can be confident that a GT-R certified NISSAN dealer's service department performs the best job to meet the maintenance requirements on your vehicle — in a reliable and economical way.

To find a GT-R certified NISSAN dealer near you, call 1-866-668-1GTR in the US or 1-800-387-0122 in Canada, or go to [www.gtrnissan.com/](http://www.gtrnissan.com/).

## GENERAL MAINTENANCE

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During the normal day-to-day operation of the vehicle, general maintenance should be performed regularly as prescribed in this section. If you detect any unusual sounds, vibrations or smell, be sure to check for the cause or have a GT-R certified NISSAN dealer do it promptly. In addition, you should notify a GT-R certified NISSAN dealer if you think that repairs are required. (🔧 “MAINTENANCE PRECAUTIONS” page 8-5)

### EXPLANATION OF MAINTENANCE ITEMS

**Additional information on the following items with “\*” is found later in this section.**

#### Outside the vehicle

The maintenance items listed here should be performed from time to time, unless otherwise specified.

**Doors and engine hood:** Check that all doors and the engine hood, operate properly. Also ensure that all latches lock securely. Lubricate hinges, latches, latch pins, rollers and links if necessary. Make sure that the secondary latch keeps the hood from opening when the primary latch is released.

When driving in areas using road salt or other corrosive materials, check lubrication frequently.

**Lights\*:** Clean the headlights on a regular basis. Make sure that the headlights, stop lights, tail lights, turn signal lights, and other lights are all operating properly and installed securely. Also check headlight aim.

**Road wheel nuts (lug nuts)\*:** When checking the tires, make sure no wheel nuts are missing, and check for any loose wheel nuts. Tighten if necessary.

**Tire rotation\*:** Tires cannot be rotated because your vehicle is equipped with different sized tires in the front and rear.

**Tires\*:** Check the pressure with a gauge often and always prior to long distance trips. If necessary, adjust the pressure in all tires to the pressure specified. Check carefully for damage, cuts or excessive wear.

#### NOTE:

- **You can check the pressure of all four tires on the multi function display. See the separate Multi Function Display Owner’s Manual.**
- **The tires of this vehicle are filled with nitrogen gas. When the tire pressure is low, fill the tires with nitrogen. Contact a GT-R certified NISSAN dealer for information on filling the tires with nitrogen.**

- **If nitrogen is not available, compressed air may be safely used under normal driving conditions. However, NISSAN recommends refilling with nitrogen for maximum tire performance.**

**Tire Pressure Monitoring System (TPMS) transmitter components:** Replace the TPMS transmitter grommet seal, valve core and cap when the tires are replaced due to wear or age.

**Tire, wheel alignment and balance:** If the vehicle should pull to either side while driving on a straight and level road, or if you detect uneven or abnormal tire wear, there may be a need for wheel alignment.

If the steering wheel or seat vibrates at normal highway speeds, wheel balancing may be needed.

For additional information regarding tires, refer to “Important Tire Safety Information” (US) or “Tire Safety Information” (Canada) in the Warranty Information Booklet.



**Windshield:** Clean the windshield on a regular basis. Check the windshield at least every six months for cracks or other damage. Have a damaged windshield repaired by a qualified repair facility.

**Windshield wiper blades\*:** Check for cracks or wear if they do not wipe properly.

## Inside the vehicle

The maintenance items listed here should be checked on a regular basis, such as when performing periodic maintenance, cleaning the vehicle, etc.

**Accelerator pedal:** Check the pedal for smooth operation and make sure the pedal does not catch or require uneven effort. Keep the floor mat away from the pedal.

**Transmission**  mechanism: On a fairly steep hill, check that your vehicle is held securely with the shift lever in the  position without applying any brakes.

**Brake pedal:** Check the pedal for smooth operation. If the brake pedal suddenly goes down further than normal, the pedal feels spongy or the vehicle seems to take longer to stop, see a GT-R certified NISSAN dealer immediately. Keep the floor mat away from the pedal.

**Brakes:** Check that the brakes do not pull the vehicle to one side when applied.

**Parking brake:** Check the parking brake operation regularly. The vehicle should be securely held on a fairly steep hill with only the parking brake applied. If the parking brake needs to be adjusted, see a GT-R certified NISSAN dealer.

**Seat belts:** Check that all parts of the seat belt system (for example, buckles, anchors, adjuster and retractors) operate properly and smoothly, and are installed securely. Check the belt webbing for cuts, fraying, wear or damage.

**Seats:** Check seat position controls such as seat adjusters, seatback recliner, etc. to ensure they operate smoothly and that all latches lock securely in every position. Check that the head restraints move up and down smoothly and that the locks (if so equipped) hold securely in all latched positions.

**Steering wheel:** Check for changes in the steering conditions, such as excessive free play, hard steering or strange noises.

**Warning lights and chimes:** Make sure that all warning lights and chimes are operating properly.

**Windshield defroster:** Check that the air comes out of the defroster outlets properly and in sufficient quantity when operating the heater or air conditioner.

**Windshield wiper and washer\*:** Check that the wipers and washer operate properly and that the wipers do not streak.

## Under the hood and vehicle

The maintenance items listed here should be checked periodically (for example, each time you

check the engine oil or refuel).


**Battery\*:** Check the fluid level in each cell. It should be between the MAX and MIN lines. Vehicles operated in high temperatures or under severe condition require frequent checks of the battery fluid level.

**Brake fluid level\*:** Make sure that the brake fluid level is between the MAX and MIN lines on the reservoir.

**Engine coolant level\*:** Check the coolant level when the engine is cold.

**Engine drive belts\*:** Make sure that no belt is frayed, worn, cracked or oily.

**Engine oil level\*:** Check the level after parking the vehicle on a level spot and turning off the engine. Wait at least 5 minutes for the oil to drain back into the oil pan before checking the oil.


**Exhaust system:** Make sure there are no loose supports, cracks or holes. If the sound of the exhaust seems unusual or there is a smell of exhaust fumes in the engine compartment, immediately have the exhaust system inspected by a GT-R certified NISSAN dealer. (  "EXHAUST GAS (Carbon monoxide)" page 5-2)

**Fluid leaks:** Check under the vehicle for fuel, oil, water or other fluid leaks after the vehicle has

been parked for a while. Water dripping from the air conditioner after use is normal. If you should notice any leaks or if gasoline fumes are evident, check for the cause and have it corrected immediately.

**Power steering fluid level\* and lines:** Check the level when the fluid is cold, with the engine off. Check the lines for proper attachment, leaks, cracks, etc.

**Radiator and hoses:** Check the front of the radiator and clean off any dirt, insects, leaves, etc., that may have accumulated. Make sure the hoses have no cracks, deformation, rot or loose connections.


**Underbody:** The underbody is frequently exposed to corrosive substances such as those used on icy roads or to control dust. It is very important to remove these substances, otherwise rust will form on the floor pan, frame, fuel lines and around the exhaust system. At the end of winter, the underbody should be thoroughly flushed with plain water, being careful to clean those areas where mud and dirt may accumulate. (  "UNDERBODY" page 7-3)

**Windshield washer fluid\*:** Check that there is adequate fluid in the reservoir.

## MAINTENANCE PRECAUTIONS

When performing any inspection or maintenance work on your vehicle, always take care to prevent serious accidental injury to yourself or damage to the vehicle. The following are general precautions which should be closely observed.

### WARNING

- **Park the vehicle on a level surface, apply the parking brake securely and block the wheels to prevent the vehicle from moving. Move the shift lever to the  position.**
- **Be sure the ignition switch is in the OFF or LOCK position when performing any parts replacement or repairs.**
- **If you must work with the engine running, keep your hands, clothing, hair and tools away from moving fans, belts and any other moving parts.**
- **It is advisable to secure or remove any loose clothing and remove any jewelry, such as rings, watches, etc. before working on your vehicle.**
- **Always wear eye protection whenever you work on your vehicle.**
- **If you must run the engine in an**

**enclosed space such as a garage, be sure there is proper ventilation for exhaust gases to escape.**

- **Never get under the vehicle while it is supported only by a jack. If it is necessary to work under the vehicle, support it with safety stands.**
- **Keep smoking materials, flame and sparks away from fuel tank and the battery.**
- **Your vehicle is equipped with an automatic engine cooling fan. It may come on at any time without warning, even if the ignition key is in the OFF position and the engine is not running. To avoid injury, always disconnect the negative battery cable before working near the fan.**
- **The fuel filter or fuel lines should be serviced by a GT-R certified NISSAN dealer because the fuel lines are under high pressure even when the engine is off.**

### CAUTION

- **Do not work under the hood while the engine is hot. Turn the engine**

**off and wait until it cools down.**


- **Avoid direct contact with used engine oil and coolant. Improperly disposed engine oil, coolant, and/or other vehicle fluids can damage the environment. Always conform to local regulations for disposal of vehicle fluid.**

difficulties or excessive emissions. **If in doubt about any servicing, we recommend that it be done by a GT-R certified NISSAN dealer.**

## NOTICE

- **Never connect or disconnect the battery or any transistorized component while the ignition switch is in the ON position.**
- **Never leave the engine or transmission related component harnesses disconnected while the ignition switch is in the ON position.**

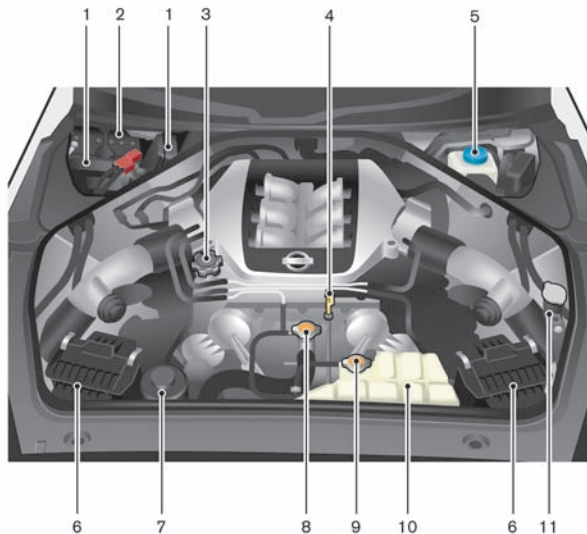
This “8. Maintenance and do-it-yourself” section gives instructions regarding only those items which are relatively easy for an owner to perform.

A genuine NISSAN Service Manual is also available. (  “OWNER’S MANUAL/SERVICE MANUAL ORDER INFORMATION” page 9-18)

You should be aware that incomplete or improper servicing may result in operating

**8-6 Maintenance and do-it-yourself**

## ENGINE COMPARTMENT CHECK LOCATIONS

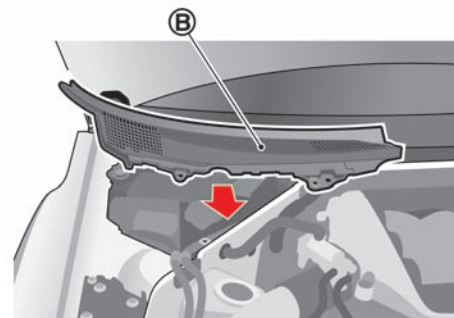
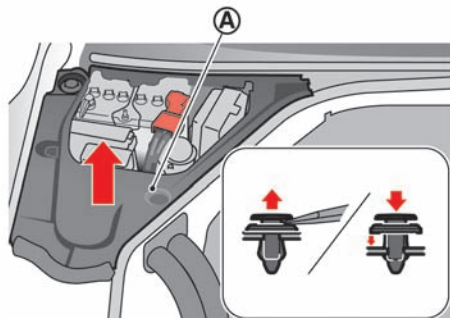
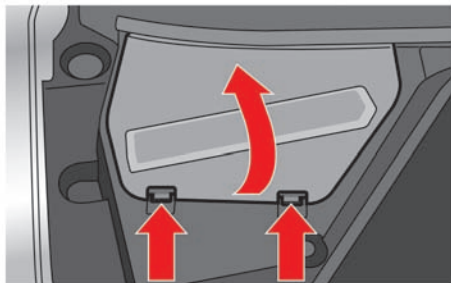


1. Fuse/fusible link holder
2. Battery
3. Engine oil filler cap
4. Engine oil dipstick
5. Brake fluid reservoir
6. Air cleaner

7. Power steering fluid reservoir
8. Radiator filler cap
9. Coolant reservoir cap (pressure type)
10. Coolant reservoir
11. Window washer fluid reservoir

### NOTICE

The coolant reservoir is equipped with a pressure type cap, and the radiator is equipped with a non-pressure type cap. Do not switch the radiator filler cap and the coolant reservoir cap. Doing so will cause substandard cooling performance and overheating.



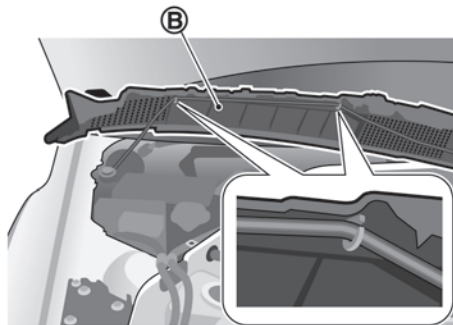
## REMOVING THE COWL TOP COVER

Remove the cowl top cover if necessary.

1. Remove the battery cover.

2. Unfasten the 5 clips and remove the cowl top cover **(A)** by pulling it up.

3. Unfasten the 3 clips and remove the cowl top cover **(B)** by pulling it towards the front of the vehicle.



4. Unfasten the washer hose from the 2 places where it is affixed to inside of the cowl top cover **B** .

## ENGINE COOLING SYSTEM

The engine cooling system is filled at the factory with a high-quality, year-round, anti-freeze coolant solution. The antifreeze solution contains rust and corrosion inhibitors, therefore additional cooling system additives are not necessary.

### **⚠ WARNING**

**Never remove the radiator cap and engine coolant reservoir cap when the engine is hot. Wait until the engine and radiator cool down. Serious burns could be caused by high pressure fluid escaping from the radiator or coolant reservoir. (👉 “IF YOUR VEHICLE OVERHEATS” page 6-6)**

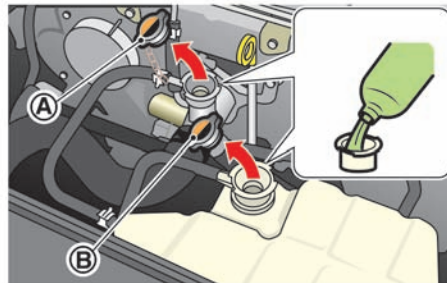
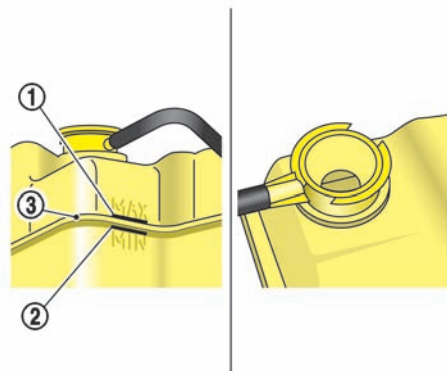
### NOTICE

- **When adding or replacing coolant, be sure to use only a Genuine NISSAN Long Life Antifreeze/Coolant (green) or equivalent with the proper mixture ratio shown in the following chart. The use of other types of coolant solutions may damage the engine cooling system.**
- **The coolant reservoir is equipped with a pressure type radiator cap. To prevent engine damage, use only a genuine NISSAN coolant reservoir cap.**

| Outside temperature down to |     | Coolant mixture ratio |  | Driving conditions                    |
|-----------------------------|-----|-----------------------|--|---------------------------------------|
|                             |     | Antifreeze            | Demineralized water or distilled water |                                       |
| °F                          | °C  |                       |  |                                       |
| 5                           | -15 | 30%                   | 70%                                    | For maximum cooling performance       |
| -22                         | -30 | 50%                   | 50%                                    | For driving in an extremely cold area |

**NOTE:**

- The coolant mixture ratio should be a combination of 30% antifreeze and 70% demineralized or distilled water for maximum cooling system performance.
- If ambient temperatures are anticipated to be below 5°F (-15°C), make sure a proper mixture ratio of 50% antifreeze and 50% demineralized or distilled water mix is used.



## CHECKING ENGINE COOLANT LEVEL

Check the coolant level **in the reservoir when the engine is cold**. If the coolant level is below the MIN level ②, open the reservoir cap (pressure type) ④ and add coolant up to the MAX level ①. If the reservoir is empty, open the radiator filler cap ③ and check the coolant level in the radiator **when the engine is cold**. If there is insufficient coolant in the radiator, fill the radiator with coolant up to the filler opening and also add it to the reservoir up to the MAX level ①.

**If the cooling system frequently requires coolant, have it checked by a GT-R certified NISSAN dealer.**

Check that the level of coolant is between MAX and MIN on the pressurized radiator reservoir. If the level is below the midpoint, the amount of coolant circulating may be insufficient for maximum vehicle performance, possibly causing engine overheating or other trouble.

If it is difficult to determine the midpoint between MAX and MIN, remove the coolant reservoir cap and look inside through the opening to check that the coolant level is above the divider ③ between the top half and bottom half of the pressurized coolant reservoir.

## NOTICE

- The coolant reservoir is equipped with a pressure type cap, and the radiator is equipped with a non-pressure type cap. Do not switch the radiator filler cap and the coolant reservoir cap. Doing so will cause substandard cooling performance and overheating.
- If you have added only water as the coolant in an emergency, change it to a coolant mixture ratio specified as soon as possible.

## CHANGING ENGINE COOLANT

If major cooling system repairs are required, contact a GT-R certified NISSAN dealer. The service procedures can be found in the appropriate NISSAN Service Manual.

**Improper servicing can result in reduced heater performance and engine overheating.**

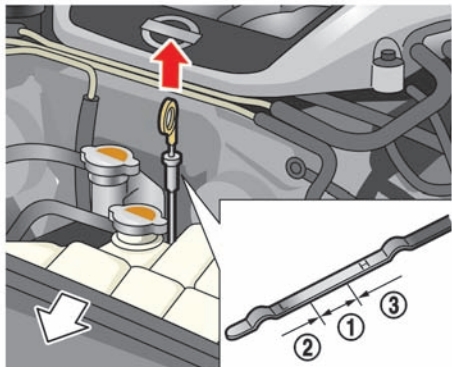
## WARNING

- To avoid the danger of being scalded, never change the coolant when the engine is hot.

- Never remove the radiator filler cap and the coolant reservoir cap when the engine is hot. Serious burns could be caused by high pressure fluid escaping from the radiator and reservoir.
- Avoid direct skin contact with used coolant. If skin contact is made, wash thoroughly with soap or hand cleaner as soon as possible.
- Keep coolant out of reach of children and pets.

Engine coolant must be disposed of properly. Check your local regulations.

## ENGINE OIL



### CHECKING ENGINE OIL LEVEL

1. Park the vehicle on a level surface and apply the parking brake.
2. Run the engine until it reaches operating temperature.
3. Turn off the engine. **Wait at least 5 minutes for the oil to drain back into the oil pan before checking the oil.**
4. Remove the dipstick and wipe it clean. Reinsert it all the way.
5. Remove the dipstick again and check the oil level. It should be within the range ①. If the oil level is below ②, remove the oil filler cap

and pour recommended oil through the opening. **Do not overfill** ③.

6. Recheck oil level with the dipstick.

#### NOTE:

It is normal to add some oil between oil maintenance intervals or during the break-in period, depending on the severity of operating conditions.

#### NOTICE

- Mobil 1, 0W-40 (100% synthetic) is the factory fill oil. The VR38 engine with its plasma-sprayed bores was developed using this oil. NISSAN cannot ensure proper engine operation and durability if other 0W-40 synthetic oil is used. If Mobil 1, 0W-40 is not available, Mobil 1, 10W-40 (100% synthetic) may be used; however, some performance loss may be noticed.

- Oil level should be checked regularly. Operating the engine with an insufficient amount of oil can damage the engine. See the 2009 NISSAN GT-R Warranty Information Booklet for details including applicable exclusions.

### CHANGING ENGINE OIL AND FILTER

#### NOTE:

When replacement is required, contact a GT-R certified NISSAN dealer for servicing.

#### WARNING

- Prolonged and repeated contact with used engine oil may cause skin cancer.
- Try to avoid direct skin contact with used oil. If skin contact is made, wash thoroughly with soap or hand cleaner as soon as possible.
- Keep used engine oil out of reach of children.

## TRANSMISSION OIL

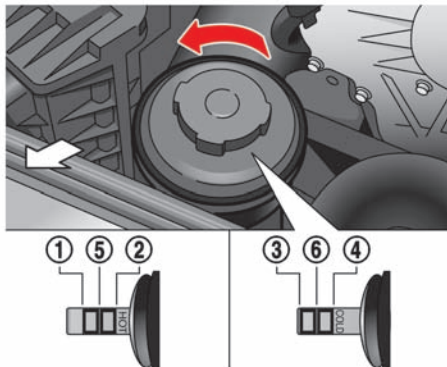
### NOTE:

When checking or replacement is required, contact a GT-R certified NISSAN dealer for servicing.

### NOTICE

- Use only Transmission Oil R35 Special. Do not mix with other fluids.
- Using transmission oil other than Transmission Oil R35 Special will cause deterioration in driveability and transmission durability, and may damage the transmission. See the 2009 NISSAN GT-R Warranty Information Booklet for details including applicable exclusions.

## POWER STEERING FLUID



Check the fluid level in the reservoir. Remove the cap that is attached with a gauge inside.

The fluid level should be checked using the front side of the gauge marked "HOT" (① : HOT MIN., ② : HOT MAX.) at fluid temperatures of 122 to 176°F (50 to 80°C) or using the reverse side of the gauge marked "COLD" (③ : COLD MIN., ④ : COLD MAX.) at fluid temperatures of 32 to 86°F (0 to 30°C).

If the fluid is below the MIN line, add Genuine NISSAN PSF or equivalent. Remove the cap and fill through the opening.

### NOTE:

For maximum steering system performance, adjust the fluid level at the line ⑤ at the hot fluid temperature or ⑥ at the cold fluid temperature. Contact a GT-R certified NISSAN dealer when precise fluid level adjustment is required.

### NOTICE

- Do not overfill.
- Use Genuine NISSAN PSF or equivalent.

## BRAKE FLUID

For further brake fluid information, see the following section. (👉 “CAPACITIES AND RECOMMENDED FUEL/LUBRICANTS” page 9-2)

### ⚠️ WARNING

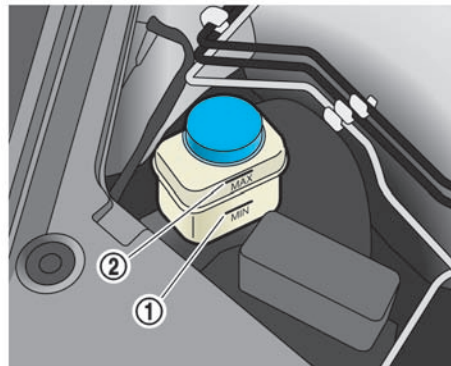
- Use only new fluid from a sealed container. Old, inferior or contaminated fluid may damage the brake system. The use of improper fluids can damage the brake system and affect the vehicle's stopping ability.
- Clean the filler cap before removing.
- Brake fluid is poisonous and should be stored carefully in marked containers out of the reach of children.

### ⚠️ CAUTION

Brake Fluid R35 Special DOT4 is the factory fill brake fluid. The Vehicle Dynamic Control (VDC) unit and other related parts were specially designed for this brake fluid and NISSAN cannot ensure the best performance and proper operation of the vehicle if other brake fluid is used.

### NOTICE

Do not spill the fluid on any painted surfaces. This will damage the paint. If fluid is spilled, wash the surface with water.




Check the fluid level in the reservoir. If the fluid is below the MIN line ① or the brake warning light comes on, add Genuine NISSAN Brake Fluid R35 Special DOT4 fluid up to the MAX line ②. If fluid must be added frequently, the system should be checked by a GT-R certified NISSAN dealer.

## WINDOW WASHER FLUID



### WARNING

Antifreeze is poisonous and should be stored carefully in marked containers out of the reach of children.

Fill the window washer fluid reservoir periodically. Add window washer fluid when the low washer fluid warning appears on the vehicle information display. (  "LOW WASHER FLUID WARNING" page 2-38)

To fill the window washer fluid reservoir, lift the cap off the reservoir tank and pour the window washer fluid into the tank opening.

Add a washer solvent to the washer for better cleaning. In the winter season, add a windshield washer antifreeze. Follow the manufacturer's instructions for the mixture ratio.

Refill the reservoir more frequently when driving conditions require an increased amount of window washer fluid.

### NOTICE

- Do not substitute engine anti-freeze coolant for window washer solution. This may result in damage to the paint.
- Do not fill the window washer reservoir tank with washer fluid concentrates at full strength. Some methyl alcohol based washer fluid concentrates may permanently stain the grille if spilled while filling the window washer reservoir tank.

### NOTE:

**Pre-mix washer fluid concentrates with water to the manufacturer's recommended levels before pouring the fluid into the window washer reservoir. Do not use the window washer reservoir to mix the washer fluid concentrate and water.**

## BATTERY

- Keep the battery surface clean and dry. Clean the battery with a solution of baking soda and water.
- Make certain the terminal connections are clean and securely tightened.
- If the vehicle is not to be used for 30 days or longer, disconnect the negative (-) battery terminal cable to prevent discharging it.

## PRECAUTIONS

### NOTICE

**When the battery cable is removed from the battery terminal, do not close either of the front doors. The automatic window adjusting function will not work, and the side roof panel may be damaged.**

To disconnect the negative (-) battery terminal, perform the procedure in the following order. Otherwise, the window and the side roof panel may contact and be damaged.

1. Close the windows.
2. Open the hood.
3. Close and lock all the doors.
4. Disconnect the negative (-) battery terminal.

5. Securely close the hood.

To connect the negative (-) battery terminal, perform the procedure in the following order. Otherwise, the window and the side roof panel may contact and be damaged.

1. Unlock and open the driver side door. Do not close the door.
2. Open the hood.
3. Connect the negative (-) battery terminal. Then close the hood.
4. Fully open the driver side door window.
5. Close the driver side door and the window.

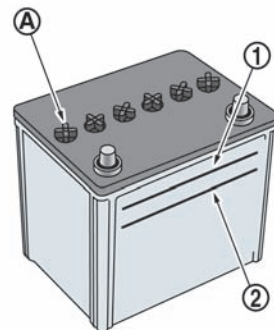
## FLUID LEVEL CHECK

### WARNING

- **Do not expose the battery to flames or electrical sparks. Hydrogen gas generated by the battery is explosive. Do not allow battery fluid to contact your skin, eyes, fabrics, or painted surfaces. After touching a battery or battery cap, do not touch or rub your eyes. Thoroughly wash your hands. If the acid contacts your eyes, skin or clothing, immediately flush with water for at least 15**

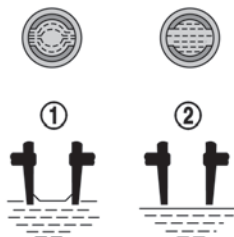
**minutes and seek medical attention.**

- **Do not operate the vehicle if the fluid in the battery is low. Low battery fluid can cause a higher load on the battery which can generate heat, reduce battery life, and in some cases lead to an explosion.**
- **When working on or near a battery, always wear suitable eye protection and remove all jewelry.**
- **Battery posts, terminals and related accessories contain lead and lead compounds. Wash hands after handling.**
- **Keep the battery out of the reach of children.**



Check the fluid level in each cell (Remove the battery cover if it is necessary). It should be between the UPPER LEVEL ① and LOWER LEVEL ② lines.

If it is necessary to add fluid, add only distilled water to bring the level to the indicator in each filler opening. **Do not overfill.**



## JUMP STARTING

If jump starting is necessary, see the following section. (  "JUMP STARTING" page 6-3)

If the engine does not start by jump starting, the battery may have to be replaced. Contact a GT-R certified NISSAN dealer.

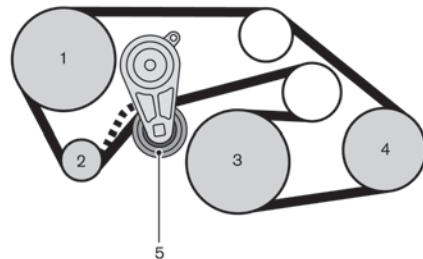
1. Remove the cell plugs **(A)** .
2. Add distilled water up to the UPPER LEVEL **(1)** line.

If the side of the battery is not clear, check the distilled water level by looking directly above the cell; the condition **(1)** indicates OK and the conditions **(2)** needs more to be added.

3. Tighten cell plugs **(A)** .

Vehicles operated in high temperatures or under severe conditions require frequent checks of the battery fluid level.

## DRIVE BELTS



1. Power steering fluid pump
2. Alternator
3. Crankshaft pulley
4. Air conditioner compressor
5. Drive belt auto-tensioner

### WARNING

**Be sure the ignition switch is in the OFF or LOCK position before servicing drive belts. The engine could rotate unexpectedly.**

1. Visually inspect each belt for signs of unusual wear, cuts, fraying or looseness. If the belt is in poor condition or loose, have it

replaced or adjusted by a GT-R certified NISSAN dealer.

2. Have the belts checked regularly for condition and tension in accordance with the maintenance schedule in your "NISSAN Service and Maintenance Guide".

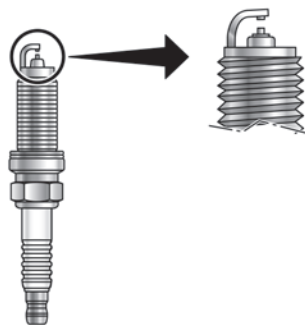
## SPARK PLUGS

### WARNING

**Be sure the engine and the ignition switch are off and that the parking brake is engaged securely.**

### NOTICE

**Be sure to use the correct socket to remove the spark plugs. An incorrect socket can damage the spark plugs.**



## REPLACING SPARK PLUGS

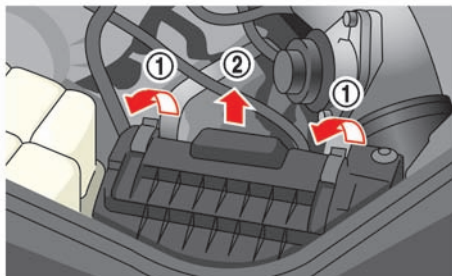
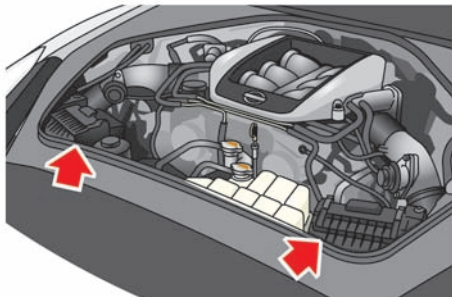
If replacement is required, see a GT-R certified NISSAN dealer for servicing.

### Iridium-tipped spark plugs

It is not necessary to replace the iridium-tipped spark plugs as frequently as the conventional type spark plugs since they will last much longer. Follow the maintenance schedule in "NISSAN Service and Maintenance Guide", but do not reuse them by cleaning or regapping.

**Always replace spark plugs with recommended or equivalent ones.**

## AIR CLEANER



Remove the retainers ① as illustrated and pull out the filter element ②.

The filter element should not be cleaned and reused. Replace it according to the maintenance intervals. See "NISSAN Service and Maintenance Guide" for maintenance intervals. When replacing the filter, wipe the inside of the air

cleaner housing and the cover with a damp cloth.

### WARNING

- **Operating the engine with the air cleaner removed can cause you or others to be burned. The air cleaner not only cleans the air, it stops flame if the engine backfires. If it isn't there, and the engine backfires, you could be burned. Do not drive with the air cleaner removed, and be careful when working on the engine with the air cleaner removed.**
- **Never pour fuel into the throttle body or attempt to start the engine with the air cleaner removed. Doing so could result in serious injury.**

## WINDSHIELD WIPER BLADES

### CLEANING

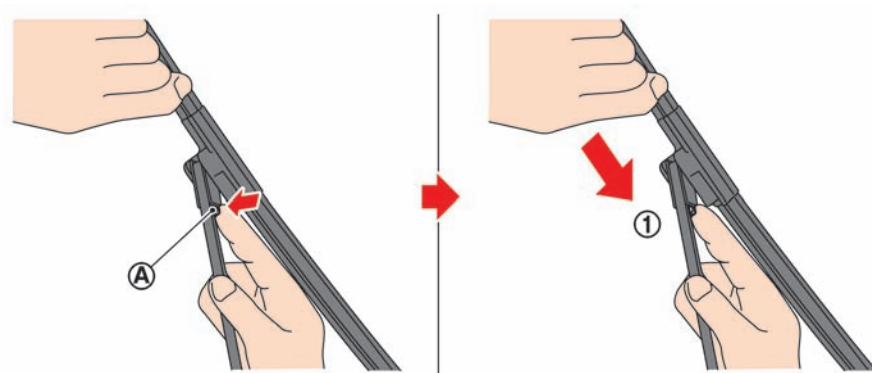
If your windshield is not clear after using the windshield washer or if a wiper blade chatters when running, wax or other material may be on the blade or windshield.

Clean the outside of the windshield with a washer solution or a mild detergent. Your windshield is clean if beads do not form when rinsing with clear water.

Clean each blade by wiping it with a cloth soaked in a washer solution or a mild detergent. Then rinse the blade with clear water. If your windshield is still not clear after cleaning the blades and using the wiper, replace the blades.

### CAUTION

**Worn windshield wiper blades can damage the windshield and impair driver vision.**



## REPLACING THE WIPER BLADES

Replace the wiper blades if they are worn.

1. Pull the wiper arm.
2. Push the release tab (A), and then move the wiper blade down the wiper arm (1) while pushing the release tab to remove.
3. Insert the new wiper blade onto the wiper arm until a click sounds.
4. Rotate the wiper blade so the dimple is in the groove.

## NOTICE

- **After wiper blade replacement, return the wiper arm to its original position; otherwise it may be damaged when the hood is opened.**
- **Make sure the wiper blades contact the glass; otherwise the arm may be damaged from wind pressure.**

## BRAKES

If the brakes do not operate properly, have the brakes checked by a GT-R certified NISSAN dealer.

### SELF-ADJUSTING BRAKES

Your vehicle is equipped with self-adjusting brakes.

The disc-type brakes self-adjust every time the brake pedal is applied.

### WARNING

**See a GT-R certified NISSAN dealer for a brake system check if the brake pedal height does not return to normal.**

### BRAKE PAD WEAR INDICATORS

The disc brake pads on your vehicle have audible wear indicators. When a brake pad requires replacement, it will make a high pitched scraping or screeching sound when the vehicle is in motion. This scraping sound will first occur only when the brake pedal is depressed. After the wear of brake pad is increased, the sound will be heard all the time even if the brake pedal is not depressed. Have the brakes checked as soon as possible if the wear indicator sound is heard.

Under some driving or climate conditions, occasional brake squeak, squeal or other noise may be heard. Occasional brake noise during

light to moderate stops is normal and does not affect the function or performance of the brake system.

**Proper brake inspection intervals should be followed.** For additional information, see the maintenance log section of your “NISSAN Service and Maintenance Guide” for maintenance intervals.

## HIGH PERFORMANCE BRAKE SYSTEM

This vehicle is equipped with high performance brake pads that provide appropriate braking force in a broad range of driving environments. Due to the material used for the brake pads, the road wheels may become more easily covered by brake dust, however this does not indicate that there is a malfunction.

Frequent hard braking may cause scorching of the brake pads. This will require the brake pads to be replaced, even if the wear limit has not been reached. Have the brake pads and disc rotors inspected at the regular vehicle inspections.

For more details, contact a GT-R certified NISSAN dealer.

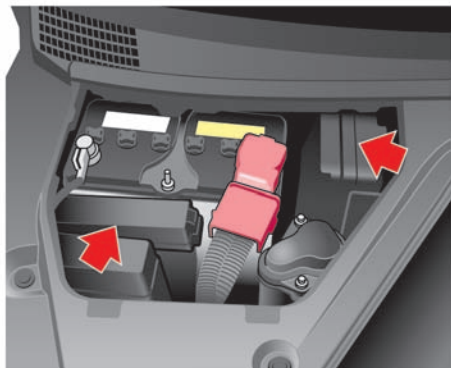
## REPLACING THE BRAKE PADS

To ensure maximum performance, the brake pads and disc rotors must be replaced as a set. Never replace or use only the brake pads on their own. When replacement is required, we recommend seeing a GT-R certified NISSAN dealer for servicing.

### NOTE:

- **This vehicle is equipped with a high performance braking system and includes cross-drilled floating rotors and radial-mounted six-piston monoblock calipers. This helps to achieve excellent stopping performance and fade-resistance. Replace all four sets of brake pads and disc rotors at the same time to maintain maximum brake performance.**
- **To maintain steady braking performance in both extremely high and low temperatures, the gap between the brake pad and caliper is larger than normal and large-size brake pads are used. When driving over a bump, a light rattling sound may be heard from the brake pad. This does not indicate that there is a malfunction.**
- **When the brake disc rotor undergoes thermal expansion, a rumbling noise may be heard from the engaging portion of the wheel and the brake disc rotor. This does not indicate that there is a malfunction. The noise will cease when the temperature decreases.**

## FUSES



### ENGINE COMPARTMENT

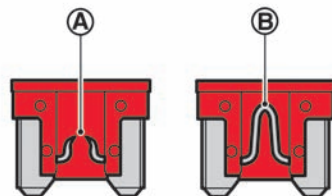
#### CAUTION

Never use a fuse of a higher or lower amperage rating than that specified on the fuse box cover. This could damage the electrical system or cause a fire.

If any electrical equipment does not operate, check for an open fuse.

1. Be sure the ignition switch is pushed to the OFF or LOCK position and the headlight switch is turned to OFF.

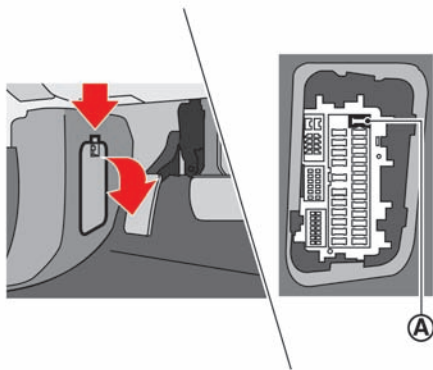
2. Open the engine hood and remove the cover on the battery and the fuse/fusible link holder.
3. Remove the fuse/fusible link holder cover.
4. Remove the fuse with the fuse puller that is located in the engine compartment fuse box.



5. If the fuse is open (A), replace it with a new fuses (B). Spare fuses are stored in the passenger compartment fuse box.
6. If a new fuse also opens, have the electrical system checked and repaired by a GT-R certified NISSAN dealer.

### Fusible links

If any electrical equipment does not operate and fuses are in good condition, check the fusible links. If any of these fusible links are melted, replace only with genuine NISSAN parts.



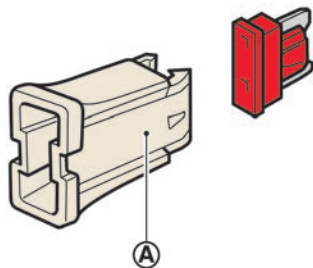
## PASSENGER COMPARTMENT

### **⚠ CAUTION**

**Never use a fuse of a higher or lower amperage rating than that specified on the fuse box cover. This could damage the electrical system or cause a fire.**

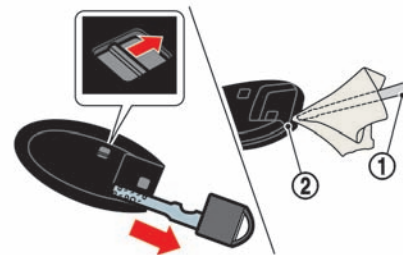
If any electrical equipment does not operate, check for an open fuse.

1. Be sure the ignition switch is pushed to the OFF or LOCK position and the headlight switch is turned to OFF.
2. Open the fuse box lid.



3. Remove the fuse with the fuse puller (A).
4. If the fuse is open, replace it with a new fuse.
5. If a new fuse also opens, have the electrical system checked and repaired by a GT-R certified NISSAN dealer.

## INTELLIGENT KEY BATTERY REPLACEMENT



### **⚠ WARNING**

**Be careful that batteries and other removed components are not swallowed by children.**

### **NOTICE**

**There is the possibility that the key may be damaged when the battery is replaced. It is recommended that you have the battery replaced by a GT-R certified NISSAN dealer.**

Recommended battery: Lithium battery CR2032 or an equivalent.

1. Disengage the lock on the reverse side of the Intelligent Key while pulling out the mechanical key.
2. Insert a flat-bladed screwdriver ① wrapped with a cloth into the slit ② and twist it to separate the case into the upper and lower parts.

## NOTICE

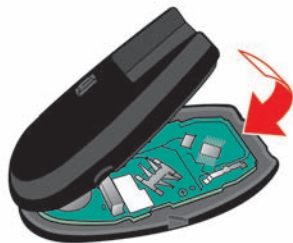
**Because there is the risk of scratching the key, wrap a cloth or similar item around the screwdriver when separating the parts. If the screwdriver is inserted too far into the key, it may damage the internal circuit board.**



3. Remove the old battery and insert a new battery with the + side facing down.

## NOTICE

- **Be sure that the + and – sides of the battery are facing in the correct directions when the battery is inserted.**
- **Do not touch the internal circuits or electronic terminals. Doing so may damage them.**



4. Reconnect the upper and lower parts of the Intelligent Key.

See a GT-R certified NISSAN dealer if you need any assistance for replacement.

### NOTE:

**After replacing the battery, be sure to check and check that all Intelligent Key system functions operate correctly.**

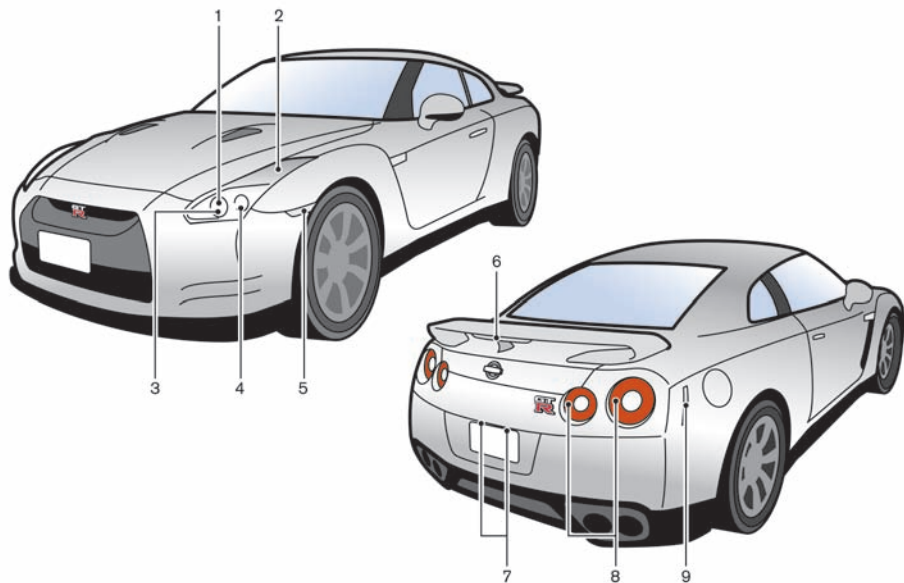
### FCC Notice:

**This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against**

**harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:**

- **Reorient or relocate the receiving antenna**
- **Increase the separation between the equipment and the receiver**
- **Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.**
- **Consult the dealer or an experienced radio/TV technician for help.**

## LIGHTS



1. Clearance light
2. Front turn signal light
3. Headlight (High beam)
4. Headlight (Low beam)
5. Front side marker light
6. High-mounted stop light

7. License plate light
8. Rear combination light (rear turn signal/tail/stop/back-up)
9. Rear side marker light side marker

## HEADLIGHTS

### Replacing

### Xenon headlight bulb:



### HIGH VOLTAGE

When xenon headlights are on, they produce a high voltage. To prevent an electric shock, never attempt to modify or disassemble. Always have your xenon headlights replaced at a GT-R certified NISSAN dealer. (👉 “HEADLIGHT AND TURN SIGNAL SWITCH” page 2-47)

Fog may temporarily form inside the lens of the exterior lights in the rain or in a car wash. A temperature difference between the inside and the outside of the lens causes the fog. This does not indicate that there is a malfunction. If large drops of water collect inside the lens, contact a GT-R certified NISSAN dealer.

## EXTERIOR AND INTERIOR LIGHTS

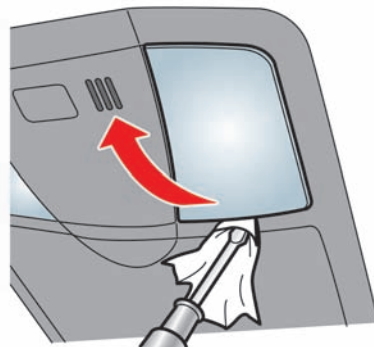
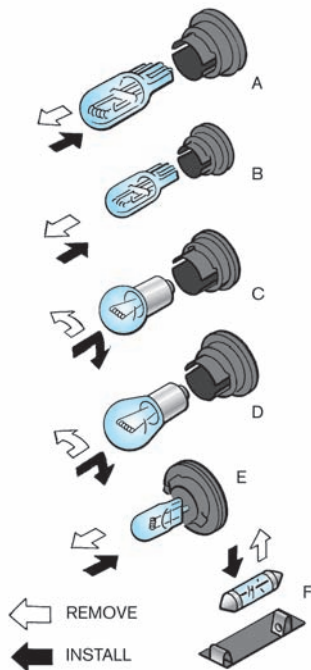
| Item                     | Wattage (W) | Bulb No. |
|--------------------------|-------------|----------|
| Headlight assembly**     |             |          |
| low-beam (Xenon)         | 35          | D2S      |
| high-beam (Halogen)      | 65          | H9       |
| Front turn signal light* | 28          | 7444NA   |
| Clearance light*         | 5           | W5W      |
| Front side marker light* | 5           | W5W      |
| Rear combination light*  |             |          |
| back-up                  | 16          | W16W     |
| turn signal              | 21          | WY21W    |
| stop/tail                | LED         | —        |
| Rear side marker light*  | LED         | —        |
| License plate light*     | 5           | W5W      |
| Map light                | 8           | —        |
| Vanity mirror light      | 2           | —        |
| Step light*              | 8           | —        |
| Trunk light*             | 3.4         | —        |
| High-mounted stop light* | LED         | —        |

\*: See a GT-R certified NISSAN dealer for replacement.

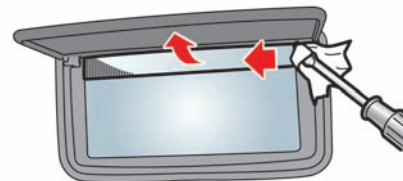
\*\* : Always check with the Parts Department at a GT-R certified NISSAN dealer for the latest parts information.

## Replacement procedures

All other lights are either type A, B, C, D, E or F. When replacing a bulb, first remove the lens and/or cover.



Map light



Vanity mirror light

## WHEELS AND TIRES

If you have a flat tire, see the following section. (  “FLAT TIRE” page 6-2)

### CAUTION

**A GT-R certified NISSAN dealer should perform a tire change. It will be necessary to reset the tire pressure sensors. To change the tires, contact a GT-R certified NISSAN dealer.**

Be sure to use the tires and wheels together as a set that are designated for use with this vehicle.




When tire replacement is required, replacing the tires as a set of four with new tires is recommended. However, if a tire is punctured or damaged, it may be possible to replace only the damaged tire. Determining whether one tire or a complete set of tires should be replaced is based on a number of factors including tire wear and condition. Contact your GT-R certified NISSAN dealer. They can recommend if an individual tire or a complete set should be replaced.

## TIRE PRESSURE

### Tire Pressure Monitoring System (TPMS)

This vehicle is equipped with the Tire Pressure Monitoring System (TPMS). It monitors tire

pressure of all tires. When the low tire pressure warning light is lit, one or more of your tires is significantly under-inflated. The system also displays pressure of all tires on the multi function display by sending a signal from a sensor that is installed in each wheel.

The TPMS will activate only when the vehicle is driven at speeds above 16 MPH (25 km/h). Also, this system may not detect a sudden drop in tire pressure. (  “Low tire pressure warning light” page 2-25) (  “TIRE PRESSURE MONITORING SYSTEM (TPMS)” page 5-3) (  “Flat tire” page 8-35)

### Tire inflation pressure

Check the tire pressure often and always prior to long distance trips. The recommended tire pressure specifications are shown on the F.M.V.S.S./C.M.V.S.S. label or the Tire and Loading Information label (if so equipped) under the “Cold Tire Pressure” heading. The Tire and Loading Information label is affixed to the driver side door end. Tire pressures should be checked regularly because:

- Most tires naturally lose air over time.
- Tires can lose air suddenly when driven over potholes or other objects or if the vehicle strikes a curb while parking.

### NOTE:

- **You can check the pressure of all four tires on the multi function display. See the separate Multi Function Display Owner’s Manual.**
- **The tires of this vehicle are filled with nitrogen gas. When the tire pressure is low, fill the tires with nitrogen. Contact a GT-R certified NISSAN dealer for information on filling the tires with nitrogen.**
- **If nitrogen is not available, compressed air may be safely used under normal driving conditions. However, NISSAN recommends refilling with nitrogen for maximum tire performance.**

The tire pressures should be checked when the tires are cold. The tires are considered COLD after the vehicle has been parked for 3 or more hours, or driven less than 1 mile (1.6 km) at moderate speeds.

**Incorrect tire pressure, including underinflation, may adversely affect tire life and vehicle handling.**

## WARNING

- Improperly inflated tires can fail suddenly and cause an accident.
- The Gross Vehicle Weight rating (GVWR) is located on the F.M.V. S.S./C.M.V.S.S. certification label. The vehicle weight capacity is indicated on the Tire and Loading Information label (if so equipped). Do not load your vehicle beyond this capacity. Overloading your vehicle may result in reduced tire life, unsafe operating conditions due to premature tire failure, or unfavorable handling characteristics and could also lead to a serious accident. Loading beyond the specified capacity may also result in failure of other vehicle components.
- Before taking a long trip, or when ever you heavily load your vehicle, use a tire pressure gauge to ensure that the tire pressures are at the specified level.

- For additional information regarding tires, refer to “Important Tire Safety Information” (US) or “Tire Safety Information” (Canada) in the Warranty Information Booklet.

### NOTE:

- Use only genuine GT-R tires and road wheels or an equivalent. Proper use of NISSAN recommended tires provides the greatest potential for maximum performance.
  - Genuine GT-R tires and road wheels or an equivalent help achieve maximum cornering performance.
  - Genuine GT-R tires and road wheels or an equivalent help provide road holding in the event of decreased tire pressure and punctures.
  - Genuine GT-R tires and road wheels or an equivalent help prevent the decrease of straight-running stability caused by uneven tire wear due to highly rigid wheels and wide tires.
- Do not reuse the tires that were once

removed from the road wheels. Because the tires used with this vehicle are more rigid than ordinary tires, they may be damaged when they are removed. Even if there is no visible damage, reusing these tires is not safe and may cause an accident. In addition, the tires may be cut when they are removed from the road wheels in order to prevent scratches to the road wheels.

| TIRE AND LOADING INFORMATION<br>RENSEIGNEMENTS SUR LES PNEUS ET LE CHARGEMENT  |                 |  |                 |
|--|-----------------|--|-----------------|
| SEATING CAPACITY<br>NOMBRE DE PLACES   | TOTAL<br>TOTAL  | FRONT<br>AVANT   | REAR<br>ARRIÈRE |
| X  | X               | X  | X               |
| The combined weight of occupants and cargo should never exceed <b>XX kg</b> or <b>XX lbs</b> .<br>Le poids total des occupants et des marchandises ne doit jamais dépasser <b>XX kg</b> ou <b>XX lbs</b> . |                 |  |                 |
| TIRE<br>PNEU   | SIZE<br>TAILLE  | COLD TIRE PRESSURE<br>PRESSION DES PNEUS À FROID   |                 |
| FRONT<br>AVANT   | P XXX / XX R XX | XXX kPa, <b>XX PSI</b>   |                 |
| REAR<br>ARRIÈRE  | P XXX / XX R XX | XXX kPa, <b>XX PSI</b>   |                 |
| SPARE<br>DE RECHANGE   | T XXX / XX R XX | XXX kPa, <b>XX PSI</b>   |                 |
|  |                 | SEE OWNER'S MANUAL FOR ADDITIONAL INFORMATION.<br>VOIR LE MANUEL DE CHARGEMENT POUR PLUS DE RENSEIGNEMENTS |                 |

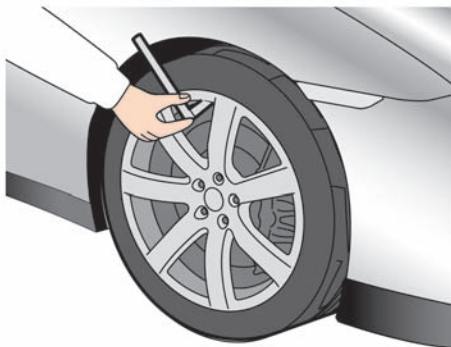
| TIRE AND LOADING INFORMATION<br>RENSEIGNEMENTS SUR LES PNEUS ET LE CHARGEMENT   |                 |  |                 |
|---|-----------------|--|-----------------|
| SEATING CAPACITY<br>NOMBRE DE SIÈGES  | TOTAL<br>TOTAL  | FRONT<br>AVANT   | REAR<br>ARRIÈRE |
| X   | X               | X  | X               |
| The combined weight of occupants and cargo should never exceed <b>XX kg</b> or <b>XX lbs</b> .<br>Poids total des occupants et des marchandises ne doit jamais dépasser <b>XX kg</b> ou <b>XX lbs</b> . |                 |  |                 |
| TIRE<br>PNEU  | SIZE<br>TAILLE  | COLD TIRE PRESSURE<br>PRESSION DES PNEUS À FROID   |                 |
| FRONT<br>AVANT  | P XXX / XX R XX | XXX kPa, <b>XX PSI</b>   |                 |
| REAR<br>ARRIÈRE   | P XXX / XX R XX | XXX kPa, <b>XX PSI</b>   |                 |
| SPARE<br>DE RECHANGE  | T XXX / XX R XX | XXX kPa, <b>XX PSI</b>   |                 |
|   |                 | SEE OWNER'S MANUAL FOR ADDITIONAL INFORMATION.<br>VOIR LE MANUEL DE CHARGEMENT POUR PLUS DE RENSEIGNEMENTS |                 |

## TIRE AND LOADING INFORMATION LABEL

- ① Seating capacity: The maximum number of occupants that can be seated in the vehicle.

- ② Vehicle load limit: See the following section. (👉 “VEHICLE LOADING INFORMATION” page 9-11)
- ③ Original size: The size of the tires originally installed on the vehicle at the factory.

- ④ Cold tire pressure: Inflate the tires to this pressure when the tires are cold. Tires are considered COLD after the vehicle has been parked for 3 or more hours, or driven less than 1 mile (1.6 km) at moderate speeds. The recommended cold tire inflation is set by the manufacturer to provide the best balance of tire wear, vehicle handling, driveability, tire noise, etc., up to the vehicle's GVWR.
- ⑤ Tire size — see the following section. (👉 “TIRE LABELING” page 8-33)
- ⑥ Spare tire size or compact spare tire size (if so equipped)



## CHECKING THE TIRE PRESSURE

1. Remove the valve stem cap from the tire.
2. Press the pressure gauge squarely onto the valve stem. Do not press too hard or force the valve stem sideways, or air will escape. If the hissing sound of air escaping from the tire is heard while checking the pressure, reposition the gauge to eliminate this leakage.
3. Remove the gauge.
4. Read the tire pressure on the gauge stem and compare it to the specifica-

tion shown on the Tire and Loading Information label.

5. Add air to the tire as needed. If too much air is added, press the core of the valve stem briefly with the tip of the gauge stem to release pressure. Re-check the pressure and add or release air as needed.
6. Install the valve stem cap.
7. Check the pressure of all other tires, including the spare.

### NOTE:

- **You can check the pressure of all four tires on the multi function display. See the separate Multi Function Display Owner's Manual.**
- **The tires of this vehicle are filled with nitrogen gas. When the tire pressure is low, fill the tires with nitrogen. Contact a GT-R certified NISSAN dealer for information on filling the tires with nitrogen.**
- **If nitrogen is not available, compressed air may be safely used under normal driving conditions. However, NISSAN recommends re-filling with nitrogen for maximum**

## tire performance.

Summer tires:

|                            | SIZE                | COLD TIRE INFLATION PRESSURE |
|----------------------------|---------------------|------------------------------|
| <b>FRONT ORIGINAL TIRE</b> | 255/40ZR-F20 (97Y)  | 29 PSI (200 kPa)             |
| <b>REAR ORIGINAL TIRE</b>  | 285/35ZR-F20 (100Y) | 29 PSI (200 kPa)             |

All-season tires:

|                            | SIZE             | COLD TIRE INFLATION PRESSURE |
|----------------------------|------------------|------------------------------|
| <b>FRONT ORIGINAL TIRE</b> | 255/40R-F20 97W  | 29 PSI (200 kPa)             |
| <b>REAR ORIGINAL TIRE</b>  | 285/35R-F20 100W | 29 PSI (200 kPa)             |



Example

## TIRE LABELING

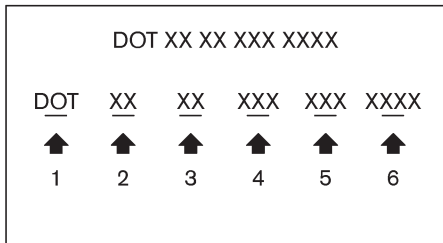
Federal law requires tire manufacturers to place standardized information on the sidewall of all tires. This information identifies and describes the fundamental characteristics of the tire and also provides the tire identification number (TIN) for safety standard certification. The TIN can be used to identify the tire in case of a recall.

| P215/65R15 95H |            |           |          |           |           |          |
|----------------|------------|-----------|----------|-----------|-----------|----------|
| <u>P</u>       | <u>215</u> | <u>65</u> | <u>R</u> | <u>15</u> | <u>95</u> | <u>H</u> |
| ↑              | ↑          | ↑         | ↑        | ↑         | ↑         | ↑        |
| 1              | 2          | 3         | 4        | 5         | 6         | 7        |

Example

- ① Tire size (example: P215/65R15 95H)
1. P: The “P” indicates the tire is designed for passenger vehicles. (Not all tires have this information.)
  2. Three-digit number (215): This number gives the width in millimeters of the tire from sidewall edge to sidewall edge.
  3. Two-digit number (65): This number, known as the aspect ratio, gives the tire’s ratio of height to width.
  4. R: The “R” stands for radial.

5. Two-digit number (15): This number is the wheel or rim diameter in inches.
6. Two- or three-digit number (95): This number is the tire’s load index. It is a measurement of how much weight each tire can support. You may not find this information on all tires because it is not required by law.
7. H: Tire speed rating. You should not drive the vehicle faster than the tire speed rating.



**Example**

- ② TIN (Tire Identification Number) for a new tire (example: DOT XX XX XXX XXXX)
- 1. DOT: Abbreviation for the “Department of Transportation”. The symbol can be placed above, below or to the left or right of the Tire Identification Number.
- 2. Two-digit code: Manufacturer’s identification mark
- 3. Two-digit code: Tire size
- 4. Three-digit code: Tire type code (Optional)

- 5. Three-digit code: Date of Manufacture
- 6. Four numbers represent the week and year the tire was built. For example, the numbers 3103 means the 31st week of 2003. If these numbers are missing, then look on the other sidewall of the tire.
- ③ Tire ply composition and material  
The number of layers or plies of rubber-coated fabric in the tire. Tire manufacturers also must indicate the materials in the tire, which include steel, nylon, polyester, and others.
- ④ Maximum permissible inflation pressure  
This number is the greatest amount of air pressure that should be put in the tire. Do not exceed the maximum permissible inflation pressure.
- ⑤ Maximum load rating  
This number indicates the maximum load in kilograms and pounds that can be carried by the tire. When replacing the tires on the vehicle, always use a tire that has the same load rating as the factory installed

tire.

- ⑥ Term of “tubeless” or “tube type”  
Indicates whether the tire requires an inner tube (“tube type”) or not (“tubeless”).
- ⑦ The word “radial”  
The word “radial” is shown, if the tire has radial structure.
- ⑧ Manufacturer or brand name  
Manufacturer or brand name is shown.

**Other tire-related terminology:**

In addition to the many terms that are defined throughout this section, Intended Outboard Sidewall is (1) the sidewall that contains a whitewall, bears white lettering or bears manufacturer, brand and/or model name molding that is higher or deeper than the same molding on the other sidewall of the tire, or (2) the outward facing sidewall of an asymmetrical tire that has a particular side that must always face outward when mounted on a vehicle.

## TYPES OF TIRES

### WARNING

- **When changing or replacing tires, be sure all four tires are of the same type (Examples: Summer or All Season) and construction. A GT-R certified NISSAN dealer may be able to help you with information about tire type, size, speed rating and availability.**
- **Replacing tires with those not originally specified by NISSAN could affect the proper operation of the TPMS.**
- **For additional information regarding tires, refer to “Important Tire Safety Information” (US) or “Tire Safety Information” (Canada) in the Warranty Information Booklet.**

### All-season tires

NISSAN specifies all-season tires on some models to provide good performance for use all year around, including snowy and icy road conditions. All-season tires are identified by ALL SEASON on the tire sidewall.

### Summer tires

The GT-R summer tires are made from a specially formulated rubber to maximize the vehicle's performance capabilities. Performance of summer tires is substantially reduced when temperatures are less than 32°F (0°C) so you must drive carefully. NISSAN recommends the use of winter or all-season tires on all four wheels if you plan to operate your vehicle in snowy or icy conditions when temperatures are less than 32°F (0°C).

### WARNING

**Never use summer tires when the temperature is below -4°F (-20°C) to prevent permanent tread deformation which may cause tire damage or tire failure. This may cause a loss of vehicle control which can result in serious personal injury or death.**

### Run-flat tires

Your vehicle is equipped with run-flat tires. You can continue driving to a safe location even if they are punctured. Always use run-flat tires of the specified size on all four wheels. Mixing tire sizes or construction may reduce vehicle handling stability. If necessary, contact a GT-R certified NISSAN dealer for assistance.

Frequently check the tire pressure information display on the monitor screen and adjust pressure of each tire properly. See the separate Multi Function Display Owner's Manual.

It can be difficult to tell if a run-flat tire is under-inflated or flat. Check the tire pressures as described earlier in this section. If the tire becomes under-inflated while driving, the low tire pressure warning light will come on. If the tire becomes flat while driving, the low tire pressure warning light and the run-flat tire warning display will come on.

### Low tire pressure:

If the vehicle is being driven with low tire pressure, the low tire pressure warning light will illuminate.

### Flat tire:

If the vehicle is being driven with one or more flat tires, the run-flat tire warning display will appear continuously on the vehicle information display and a chime will sound for 10 seconds.

The chime will only sound at the first indication of a flat tire and the run-flat tire warning display will illuminate continuously. When the flat tire warning is activated, have the system reset and the tire checked and replaced if necessary by a GT-R certified NISSAN dealer. Even if the tire is inflated to the specified COLD tire pressure, the warning light will continue to illuminate until the system is reset by a GT-R certified NISSAN

dealer.

If the low tire pressure and the run-flat tire warning appears on the vehicle information display:

- Do not exceed 50 MPH (80 km/h).
- Increase your following distance to allow for increased stopping distances.
- Avoid sudden maneuvers, hard cornering and hard braking.

### WARNING

- **Although you can continue driving with a punctured run-flat tire, remember that vehicle handling stability is reduced, which could lead to an accident and personal injury. Also, driving a long distance at high speeds may damage the tire.**
- **Do not drive at speeds above 50 MPH (80 km/h) and do not drive more than 50 miles (80 km) with a punctured run-flat tire. The actual distance the vehicle can be driven on a flat tire depends on outside temperature, vehicle load, road conditions and other factors.**
- **Drive safely at reduced speeds.**

**Avoid hard cornering or braking, which may cause you to lose control of the vehicle.**

### NOTICE

- **Never install tire chains on a punctured run-flat tire, as this could damage your vehicle.**
- **Avoid driving over any projection or pothole, as the clearance between the vehicle and the ground is smaller than normal.**
- **Do not enter an automated car wash with a punctured run-flat tire.**
- **Have the punctured tire replaced by a GT-R certified NISSAN dealer as soon as possible, as the tire's performance capability is reduced.**

### Tires for All-Wheel Drive (AWD)

If excessive tire wear is found, it is recommended that all four tires be replaced with tires of the specified size, brand, construction and tread pattern. The tire pressure and wheel alignment should also be checked and corrected as necessary. Contact a GT-R certified NISSAN dealer.

### TIRE CHAINS

Use of tire chains may be prohibited according to location. Check the local laws before installing tire chains. When installing tire chains, make sure they are of proper size for the tires on your vehicle and are installed according to the chain manufacturer instructions. **Use only SAE class S chains.** Class "S" chains are used on vehicles with restricted tire to vehicle clearance. Vehicles that can use Class "S" chains are designed to meet the SAE standard minimum clearances between the tire and the closest vehicle suspension or body component required to accommodate the use of a winter traction device (tire chains or cables). The minimum clearances are determined using the factory equipped tire size. Other types may damage your vehicle. Use chain tensioners when recommended by the tire chain manufacturer to ensure a tight fit. Loose end links of the tire chain must be secured or removed to prevent the possibility of whipping action damage to the fenders or undercarriage. If possible, avoid fully loading your vehicle when using tire chains. In addition, drive at a reduced speed. Otherwise, your vehicle may be damaged and/or vehicle handling and performance may be adversely affected.

#### NOTE:

**Tire chains must be installed only on the rear wheels and not on the front wheels.**

## **⚠ CAUTION**

Do not use tire chains on dry roads.

## **NOTICE**

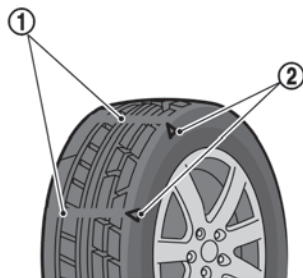
Never install tire chains on a punctured run-flat tire, as this could damage your vehicle.

Do not drive with tire chains on paved roads that are clear of snow. Driving with chains in such conditions can cause damage to the various mechanisms of the vehicle due to some overstress.

## **CHANGING WHEELS AND TIRES**

### **Tire rotation**

Tires cannot be rotated because your vehicle is equipped with different sized tires in the front and rear.



1. Wear indicator
2. Location mark

### **Tire wear and damage**

## **⚠ WARNING**

- **Tires should be periodically inspected for wear, cracking, bulging or objects caught in the tread. If excessive wear, cracks, bulging or deep cuts are found, the tire(s) should be replaced.**
- **The original tires have built-in tread wear indicators. When the wear indicators are visible, the**

**tire(s) should be replaced.**

- **Tires degrade with age and use. Have tires, over 6 years old checked by a qualified technician because some tire damage may not be obvious. Replace the tires as necessary to prevent tire failure and possible personal injury.**
- **For additional information regarding tires, refer to “Important Tire Safety Information” (US) or “Tire Safety Information” (Canada) in the Warranty Information Booklet.**

### **Replacing wheels and tires**

When tire replacement is required, replacing tires as a set of four with new tires is recommended. However, if a tire is punctured or damaged, it may be possible to replace only the damaged tire. Determining whether one tire or a complete set of tires should be replaced is based on a number of factors including tire wear and condition. Contact your GT-R certified NISSAN dealer. They can recommend if an individual tire or a complete set should be replaced.

When replacing a tire, use the specified size,

speed rating and load carrying capacity as originally equipped. (👉 “WHEELS AND TIRES” page 9-7)

## WARNING

- The use of tires other than those specified or the mixed use of tires of different brands, construction (bias, bias-belted, radial or run-flat), or tread patterns can adversely affect the ride, braking, VDC system, handling, ground clearance, body-to-tire clearance, tire chain clearance, speedometer calibration, headlight aim and bumper height. Some of these effects may lead to accidents and could result in serious personal injury.
- If the wheels are changed for any reason, always replace with wheels which have the same off-set dimension. Wheels of a different off-set could cause premature tire wear, degrade vehicle handling characteristics, affect the VDC system and/or cause interference with the brake discs. Such interference can lead to decreased braking efficiency and/or early brake pad wear.

(👉 “WHEELS AND TIRES” page 9-7)

- When a wheel is replaced, tire pressure will not be indicated, the TPMS will not function and the low tire pressure warning light will flash for approximately 1 minute and remain on after the 1 minute. Contact a GT-R certified NISSAN dealer as soon as possible for tire replacement and/or system resetting.
- Replacing tires with those not originally specified by NISSAN could affect the proper operation of the TPMS.
- Do not install a damaged or deformed wheel or tire even if it has been repaired. Such wheels or tires could have structural damage and could fail without warning.
- Never use retread tires.
- For additional information regarding tires, refer to “Important Tire Safety Information” (US) or “Tire Safety Information” (Canada) in the Warranty Information Booklet.
- Always use tires of the specified type, size, brand, construction (bias,

**bias-belted, radial or run-flat), and tread pattern on all four wheels. Failure to do so may result in a circumference difference between tires on the front and rear axles which will cause excessive tire wear and may damage the transmission, transfer case and differential gears.**

## Wheel balance

Unbalanced wheels may affect vehicle handling and tire life. Even with regular use, wheels can get out of balance. Therefore, they should be balanced as required.

Wheel balance service should be performed with the wheels off the vehicle. Spin balancing the rear wheels on the vehicle could lead to mechanical damage.

For additional information regarding tires, refer to “Important Tire Safety Information” (US) or “Tire Safety Information” (Canada) in the Warranty Information Booklet.

## Care of wheels

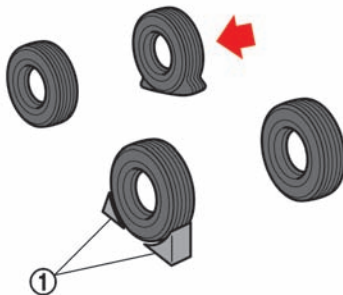
- Wash the wheels when washing the vehicle to maintain their appearance.
- Clean the inner side of the wheels when the wheel is changed or the underside of the vehicle is washed.

- Do not use abrasive cleaners when washing the wheels.
- Inspect wheel rims regularly for dents or corrosion. Such damage may cause loss of pressure or poor seal at the tire bead.
- NISSAN recommends that the side walls of road wheels be waxed to protect against road salt in areas where it is used during winter.

## JACKING VEHICLE AND REMOVING WHEELS

### WARNING

- **Make sure the parking brake is securely applied and the transmission is shifted into the P position.**
- **Never change tires when the vehicle is on a slope, ice or slippery areas. This is hazardous.**
- **Never change tires if oncoming traffic is close to your vehicle. Wait for professional road assistance.**

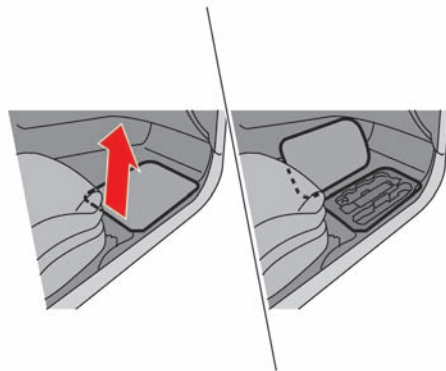


### Blocking wheels

Place suitable blocks ① at both the front and back of the wheel diagonally opposite the flat tire to prevent the vehicle from moving when it is jacked up.

### WARNING

Be sure to block the wheel as the vehicle may move and result in personal injury.



### Getting the tools

#### NOTE:

A jack, jack lever and rod are not equipped as standard with this vehicle. These parts are dealer options. Contact a GT-R certified NISSAN dealer about acquiring a jack, jack lever and rod. You can store a jack, jack lever and rod in the floor in front of the passenger's seat.

### CAUTION

After using the tools, put them back in their original places. An accident may occur if you leave them in the car

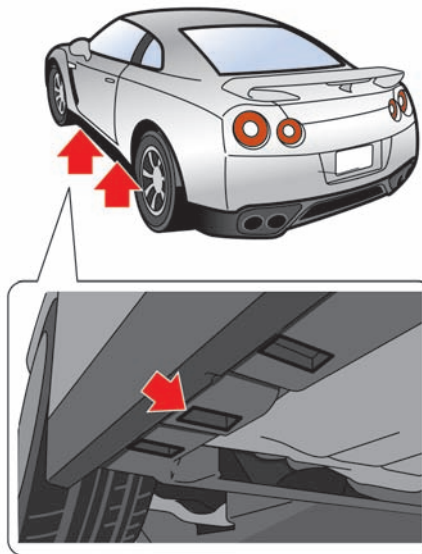
unsecured.

## Jacking up the vehicle and removing the tire

### WARNING

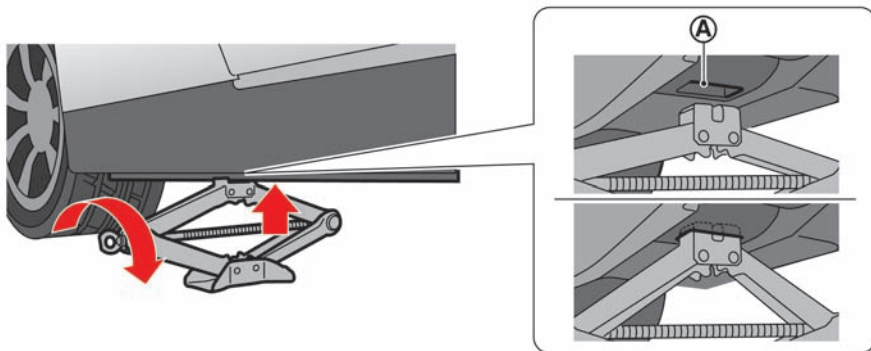
- Never get under the vehicle while it is supported only by the jack. If it is necessary to work under the vehicle, support it with safety stands.
- Use the correct jack-up points. Never use any other part of the vehicle for jack support.
- Never jack up the vehicle more than necessary.
- Never use blocks on or under the jack.
- Do not start or run the engine while vehicle is on the jack, as it may cause the vehicle to move. This is especially true for vehicles with limited slip differentials.
- Do not allow passengers to stay in the vehicle while it is on the jack.

Carefully read the caution label attached to the jack body and the following instructions.

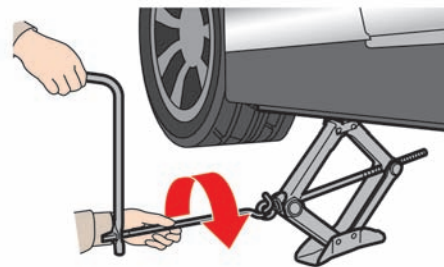


Jack-up point

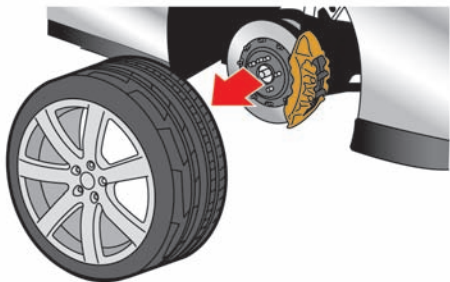
1. Place the jack directly under the jack-up point as illustrated so the top of the jack contacts the vehicle at the jack-up point. **The jack should be used on level firm ground.**



2. Fit the jack head into the dent (A) of the jack-up point by turning the jackscrew clockwise with your fingers.
3. Loosen each wheel nut one or two turns by turning counterclockwise with the wheel nut wrench. **Do not remove the wheel nuts until the tire is off the ground.**



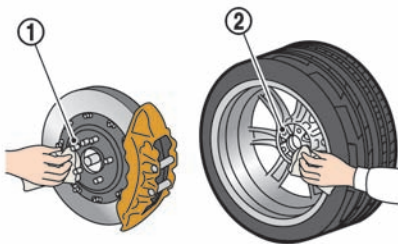
4. Carefully raise the vehicle until the tire clears the ground. To lift the vehicle, securely hold the jack lever and rod with both hands as shown above.



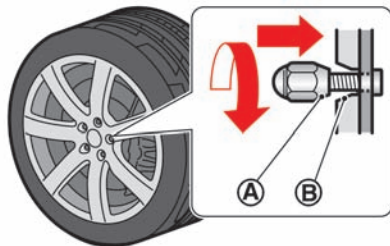
5. Remove the wheel nuts and then remove the wheel.

**NOTE:**

**When putting a wheel on the ground, put it down with the outer side of the wheel facing up to prevent scratching of the wheel surface.**

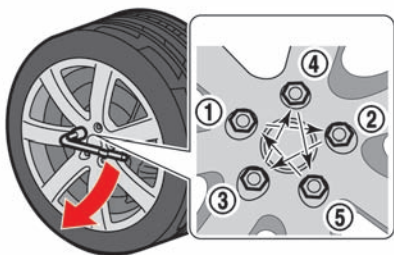


6. Clean any mud or dirt from the surface between the brake disc rotor ① and wheel ② .



7. Tighten the wheel nuts by hand by turning them clockwise until the tapered part ① of each nut lightly contacts the seat part ② of the wheel hole.

When replacing a front wheel, make sure the hole in the wheel is aligned with the pin on the brake disc rotor.



- With the wheel nut wrench, tighten wheel nuts alternately and evenly in the sequence as illustrated (1, 2, 3, 4, 5) until they are tight.
- Lower the vehicle slowly until the tire touches the ground. Then, with the wheel nut wrench, tighten the wheel nuts securely in the sequence as illustrated. Lower the vehicle completely.

### **WARNING**

- Incorrect wheel nuts or improperly tightened wheel nuts can cause the wheel to become loose or come off. This could cause an accident.**

- Do not use oil or grease on the wheel studs or nuts. This could cause the nuts to become loose.
- Retighten the wheel nuts when the vehicle has been driven for 600 miles (1,000 km).

### **WARNING**

If the road wheels are hot, allow them to cool sufficiently before tightening the wheel nuts. Otherwise, the wheel nuts cannot be tightened to specification.

#### **NOTE:**

- As soon as possible, tighten the wheel nuts to the specified torque with a torque wrench.

**Wheel nut tightening torque:  
97 ft-lb (132 N·m)**

The wheel nuts must be kept tightened to specification at all times. It is recommended that wheel nuts be tightened to specifications at each lubrication interval.

- Adjust tire pressure to the COLD pressure.

**COLD pressure:** After the vehicle has been parked for three hours or more or driven less than 1 mile (1.6 km).

**COLD tire pressures** are shown on the Tire and Loading Information label affixed to the driver's door opening.

- Securely store the jacking equipment in the vehicle.

**MEMO**

# 9 Technical and consumer information

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## CAPACITIES AND RECOMMENDED FUEL/LUBRICANTS

The following are approximate capacities. The actual refill capacities may be a little different. When refilling, follow the procedure instructed in the “8. Maintenance and do-it-yourself” section to determine the proper refill capacity.

|                                     | Capacity (Approximate)   |             |       | Recommended specifications  |
|-------------------------------------|--|-------------|-------|---|
|                                     | US measure   | Imp measure | Liter |   |
| Fuel                                | 19-1/2 gal   | 16-1/4 gal  | 73.8  | Unleaded gasoline with an octane rating of at least 93 AKI (RON 98)*1           |
| Engine oil*4                        |  |             |       |   |
| Drain and refill                    |  |             |       | Mobil 1, 0W-40*2  |
| With oil filter change              | 5-7/8  | 4-7/8       | 5.5   |   |
| Without oil filter change           | 5-1/4  | 4-3/8       | 5.0   |   |
| Cooling system                      |  |             |       |   |
| With reservoir                      | 11-5/8   | 9-5/8       | 11.0  | Genuine NISSAN Long Life Antifreeze/Coolant or equivalent*7                     |
| Reservoir                           | 1-1/2  | 1-1/4       | 1.4   |   |
| Transmission oil                    | —  | —           | —     | Genuine NISSAN Transmission Oil R35 Special*3                                   |
| Differential oil (front and rear)   | —  | —           | —     | Castrol SAF-XJ 75W-140*3  |
| Power steering fluid (PSF)          | Refill to the proper oil level according to the instructions in the “8. Maintenance and do-it-yourself” section. |             |       | Genuine NISSAN PSF or equivalent*6  |
| Brake fluid                         |  |             |       | Genuine NISSAN Brake Fluid R35 Special DOT4*8                                   |
| Multi-purpose grease                | —  | —           | —     | NLGI No. 2 (Lithium soap base)  |
| Air conditioning system refrigerant | —  | —           | —     | HFC-134a (R-134a)*5   |
| Air conditioning system lubricants  | —  | —           | —     | NISSAN UV Luminous Oil Type S or exact equivalent                               |
| Window washer fluid                 | —  | —           | —     | Genuine NISSAN Windshield Washer Concentrate Cleaner & Antifreeze or equivalent |

\*1: For additional information, see the following section. ( 137 “FUEL RECOMMENDATION” page 9-3)

\*2: Mobil 1, 0W-40 (100% synthetic) is the factory fill oil. The VR38 engine with its plasma-sprayed bores was developed using this oil. NISSAN cannot ensure proper engine operation and durability if other 0W-40 synthetic oil is used. If Mobil 1, 0W-40 is not available, Mobil 1, 10W-40 (100% synthetic) may be used; however, some performance loss may be noticed. For additional information, see the following section. ( 137 “ENGINE OIL AND OIL FILTER RECOMMENDATION” page 9-4)

\*3: The use of fluids and lubricants other than the specified may cause vehicle malfunctions and result in non-warranty vehicle repairs.

\*4: For additional information, see the following section. ( 137 “ENGINE OIL” page 8-12)

\*5: For additional information, see the following section. ( 137 “AIR CONDITIONER SPECIFICATION LABEL” page 9-10)

\*6: DEXRON™VI type ATF or Canada NISSAN Automatic Transmission Fluid may also be used.

\*7: For additional information, see the following section. ( 137 “ENGINE COOLING SYSTEM” page 8-9)

\*8: Genuine NISSAN Brake Fluid R35 Special DOT4 is the factory fill brake fluid. The Vehicle Dynamic Control (VDC) unit and other related parts were specially designed for this brake fluid and NISSAN cannot ensure the best performance and proper operation of the vehicle if other brake fluid is used.

## FUEL RECOMMENDATION

### VR38 engine

Use unleaded premium gasoline with an octane rating of at least 93 AKI (Anti-Knock Index) number (Research octane number 98) to maximize vehicle performance.

If the premium gasoline specified above is not available, you may use unleaded premium gasoline with an octane rating of at least 91 AKI number (Research octane number 96), but you may notice a decrease in performance.

#### NOTICE

- **Using a fuel other than that specified could adversely affect the emission control system, and may also affect warranty coverage.**
- **Under no circumstances should a leaded gasoline be used, because this will damage the three-way catalyst.**
- **Do not use E-85 fuel in your vehicle. Your vehicle is not designed to run on E-85 fuel. Using E-85 fuel can damage the fuel system components. See the 2009 Nissan GT-R Warranty Information Booklet for details and exclusions.**

### Gasoline specifications

NISSAN recommends using gasoline that meets the World-Wide Fuel Charter (WWFC) specifications where it is available. Many of the automobile manufacturers developed this specification to improve emission system and vehicle performance. Ask your service station manager if the gasoline meets the World-Wide Fuel Charter (WWFC) specifications.

### Reformulated gasoline

Some fuel suppliers are now producing reformulated gasolines. These gasolines are specially designed to reduce vehicle emissions. NISSAN supports efforts towards cleaner air and suggests that you use reformulated gasoline when available.

### Gasoline containing oxygenates

Some fuel suppliers sell gasoline containing oxygenates such as ethanol, MTBE and methanol with or without advertising their presence. NISSAN does not recommend the use of fuels of which the oxygenate content and the fuel compatibility for your NISSAN cannot be readily determined. If in doubt, ask your service station manager.

If you use oxygenate-blend gasoline, please take the following precautions as the usage of such fuels may cause vehicle performance problems

and/or fuel system damage.

- **The fuel should be unleaded and have an octane rating no lower than that recommended for unleaded gasoline.**
- **If an oxygenate-blend, excepting a methanol blend, is used, it should contain no more than 10% oxygenate. (MTBE may, however, be added up to 15%.)**
- **If a methanol blend is used, it should contain no more than 5% methanol (methyl alcohol and wood alcohol). It should also contain a suitable amount of appropriate cosolvents and corrosion inhibitors. If not properly formulated with the appropriate cosolvents and corrosion inhibitors, such methanol blends may cause fuel system damage and/or vehicle performance malfunctions. At this time, sufficient data is not available to ensure that all methanol blends are suitable for use in NISSAN vehicles.**

If any undesirable driveability problems such as engine stalling or hard hot starting are experienced after using oxygenate-blend fuels, immediately change to a non-oxygenate fuel or a fuel with a low blend of MTBE.

## NOTICE

Take care not to spill gasoline during refueling. Gasoline containing oxygenates can cause paint damage.

### E-85 fuel

E-85 fuel is a mixture of approximately 85% fuel ethanol and 15% unleaded gasoline. E-85 can only be used in a Flexible Fuel Vehicle (FFV). Do not use E-85 fuel in your vehicle. U.S. government regulations require fuel ethanol dispensing pumps to be identified by a small, square, orange and black label with the common abbreviation or the appropriate percentage for that region.

### Aftermarket fuel additives

## NOTICE

**NISSAN does not recommend the use of any aftermarket fuel additives (Example: fuel injector cleaner, intake valve deposit removers, etc.) which are sold commercially. Many of these additives intended for gum, varnish or deposit removal may contain active solvent or similar ingredients that can be harmful to the fuel system and engine.**

### Octane rating tips

Using unleaded gasoline with an octane rating lower than recommended above can cause persistent, heavy spark knock. (Spark knock is a metallic rapping noise.) If severe, this can lead to engine damage. If you detect a persistent heavy spark knock even when using gasoline of the stated octane rating, or if you hear steady spark knock while holding a steady speed on level roads, have a GT-R certified NISSAN dealer correct the condition. Failure to correct the condition is misuse of the vehicle, for which NISSAN is not responsible.

Incorrect ignition timing will result in knocking, after-run or overheating. This in turn may cause excessive fuel consumption or damage to the engine. If any of the above symptoms are encountered, have your vehicle checked at a GT-R certified NISSAN dealer or other competent service facility.

However, now and then you may notice light spark knock for a short time while accelerating or driving up hills. This is no cause for concern, because you get the greatest fuel benefit when there is light spark knock for a short time under heavy engine load.

## ENGINE OIL AND OIL FILTER RECOMMENDATION

### Selecting the correct oil

It is essential to choose the correct grade, quality, and viscosity engine oil to ensure satisfactory engine life and performance. (👉 “CAPACITIES AND RECOMMENDED FUEL/LUBRICANTS” page 9-2)

Mobil 1, 0W-40 (100% synthetic) is the factory fill oil. The VR38 engine with its plasma-sprayed bores was developed using this oil. NISSAN cannot ensure proper engine operation and durability if other 0W-40 synthetic oil is used. If Mobil 1, 0W-40 is not available, Mobil 1, 10W-40 (100% synthetic) may be used; however, some performance loss may be noticed.

## NOTICE

**Using an engine oil other than that specified could adversely affect the engine. See the 2009 Nissan GT-R Warranty Information Booklet for details and exclusions.**

### Oil additives

NISSAN does not recommend the use of oil additives. The use of an oil additive is not necessary when the proper oil type is used and maintenance intervals are followed.

Oil which may contain foreign matter or has been previously used should not be used.

### Oil viscosity

The engine oil viscosity or thickness changes with temperature. Because of this, it is important that the engine oil viscosity be selected based on the temperatures at which the vehicle will be operated before the next oil change. Choosing an oil viscosity other than that recommended could cause serious engine damage.

### Selecting the correct oil filter

Your new vehicle is equipped with a high-quality genuine NISSAN oil filter. Use the genuine NISSAN oil filter or its equivalent for the reason described in change intervals.

### Change intervals

The oil and oil filter change intervals for your engine are based on the use of the specified quality oils and filters. Oil and filter other than the specified quality, or oil and filter change intervals longer than recommended could reduce engine life. Damage to engines caused by improper maintenance or use of incorrect oil and filter quality and/or viscosity is not covered by the new NISSAN vehicle limited warranties.

Your engine was filled with a high quality engine oil when it was built. You do not have to change the oil before the first recommended change interval. Oil and filter change intervals depend

upon how you use your vehicle. Operation under the following conditions may require more frequent oil and filter changes.

- repeated short distance driving at cold outside temperatures
- driving in dusty conditions
- extensive idling
- stop and go “rush hour” traffic

Refer to the “NISSAN Service and Maintenance Guide” for the maintenance schedule.

### AIR CONDITIONING SYSTEM REFRIGERANT AND LUBRICANT RECOMMENDATIONS

**The air conditioning system in your NISSAN vehicle must be charged with the refrigerant HFC-134a (R-134a) and the lubricant, NISSAN UV Luminous Oil Type S or the exact equivalents.**

#### NOTICE

**The use of any other refrigerant or lubricant will cause severe damage to the air conditioning system and will require the replacement of all air conditioner system components.**

The refrigerant HFC-134a (R-134a) in your

NISSAN vehicle will not harm the earth's ozone layer. Although this refrigerant does not affect the earth's atmosphere, certain governmental regulations require the recovery and recycling of any refrigerant during automotive air conditioning system service. Your GT-R certified NISSAN dealer has the trained technicians and equipment needed to recover and recycle your air conditioning system refrigerant.

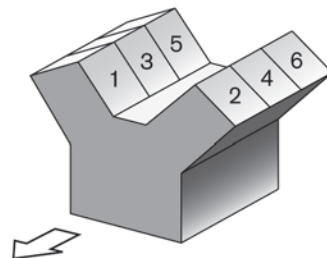
Contact a GT-R certified NISSAN dealer when servicing your air conditioning system.

## SPECIFICATIONS

### ENGINE

|                            |                          |                              |
|----------------------------|--------------------------|------------------------------|
| Model                      |                          | VR38                         |
| Type                       |                          | Gasoline, 4-cycle            |
| Cylinder arrangement       |                          | 6-cylinder, V-slanted at 60° |
| Bore × Stroke              | in (mm)                  | 3.760 × 3.480 (95.5 × 88.4)  |
| Displacement               | cu in (cm <sup>3</sup> ) | 231.83 (3,799)               |
| Firing order               |                          | 1-2-3-4-5-6                  |
| Idle speed                 | rpm                      | No adjustment is necessary.  |
| Ignition timing (B.T.D.C.) | degree/rpm               |                              |
| Spark plug                 | Standard                 | DILKAR8A8                    |
| Spark plug gap (Normal)    | in (mm)                  | 0.031 (0.8)                  |
| Camshaft operation         |                          | Timing chain                 |

**This spark ignition system complies with the Canadian standard ICES-002.**



## WHEELS AND TIRES

### Road wheel

| Type     | Size               | Offset in (mm) |
|----------|--------------------|----------------|
| Aluminum | Front: 20 × 9-1/2J | 1.77 (45)      |
|          | Rear: 20 × 10-1/2J | 0.98 (25)      |

### Tire

| Type       | Size                     | Pressure PSI (kPa) [Cold] |
|------------|--------------------------|---------------------------|
| Summer     | Front: 255/40ZRF20 (97Y) | 29 (200)                  |
|            | Rear: 285/35ZRF20 (100Y) |                           |
| All-season | Front: 255/40RF20 97W    | 29 (200)                  |
|            | Rear: 285/35RF20 100W    |                           |

## DIMENSIONS

|                | in (mm)       |
|----------------|---------------|
| Overall length | 183.1 (4,650) |
| Overall width  | 74.9 (1,902)  |
| Overall height | 54.0 (1,372)  |
| Front tread    | 62.6 (1,590)  |
| Rear tread     | 63.0 (1,600)  |
| Wheelbase      | 109.4 (2,780) |

## WHEN TRAVELING OR REGISTERING YOUR VEHICLE IN ANOTHER COUNTRY

If you plan to travel in another country, you should first find out if the fuel available is suitable for your vehicle's engine.

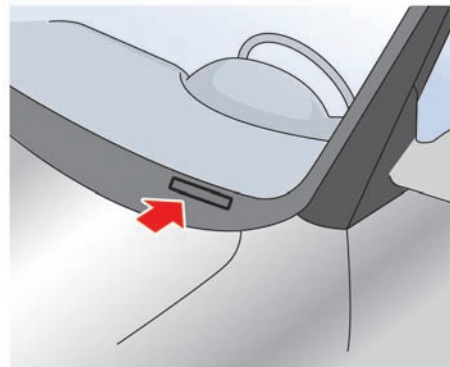
Using fuel with too low an octane rating may cause engine damage. All gasoline vehicles must be operated with unleaded gasoline. Therefore, avoid taking your vehicle to areas where appropriate fuel is not available.

**When transferring the registration of your vehicle to another country, state, province or district, it may be necessary to modify the vehicle to meet local laws and regulations.**

The laws and regulations for motor vehicle emission control and safety standards vary according to the country, state, province or district; therefore, vehicle specifications may differ.

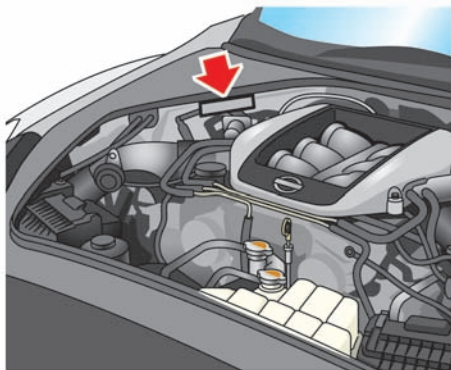
**When any vehicle is to be taken into another country, state, province or district and registered, its modifications, transportation, and registration are the responsibility of the user. NISSAN is not responsible for any inconvenience that may result.**

## VEHICLE IDENTIFICATION



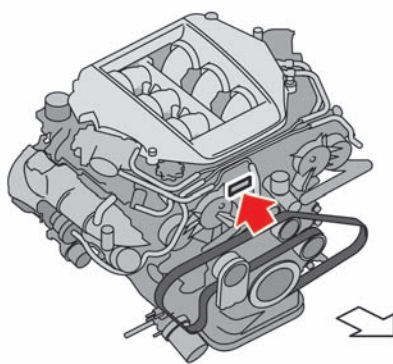
## VEHICLE IDENTIFICATION NUMBER (VIN) PLATE

The vehicle identification number plate is attached as shown. This number is the identification for your vehicle and is used in the vehicle registration.



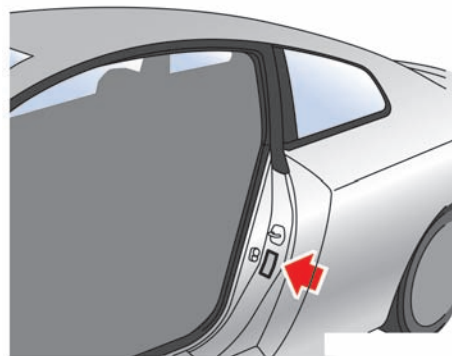
### **VEHICLE IDENTIFICATION NUMBER (Chassis number)**

The number is stamped as shown in the engine compartment.



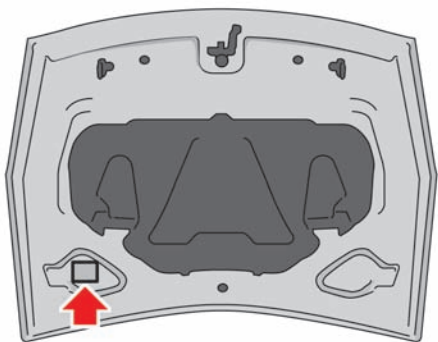
### **ENGINE SERIAL NUMBER**

The number is stamped on the engine as shown.



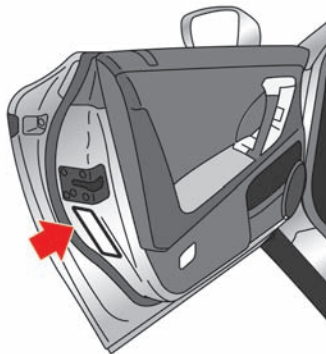
### **F.M.V.S.S./C.M.V.S.S. CERTIFICATION LABEL**

The Federal/Canadian Motor Vehicle Safety Standards (F.M.V.S.S./C.M.V.S.S.) certification label is affixed as shown. This label contains valuable vehicle information, such as: Gross Vehicle Weight Ratings (GVWR), Gross Axle Weight Rating (GAWR), month and year of manufacture, Vehicle Identification Number (VIN), etc. Review it carefully.



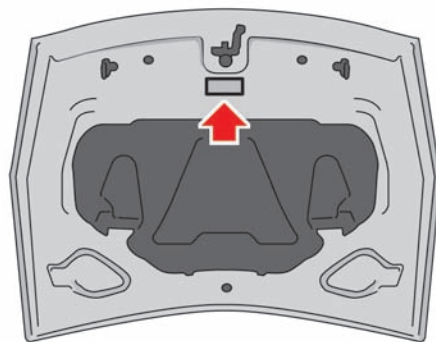
### **EMISSION CONTROL INFORMATION LABEL**

The emission control information label is attached as shown.



### **TIRE AND LOADING INFORMATION LABEL**

The cold tire pressure is shown on the Tire and Loading Information label affixed to the door end as illustrated.



### **AIR CONDITIONER SPECIFICATION LABEL**

The air conditioner specification label is attached as shown.

## INSTALLING FRONT LICENSE PLATE



Make sure that the two POP® nuts as illustrated are enclosed in the plastic bag. They are used for front license plate installation.

To install the front license plate to your vehicle, contact a GT-R certified NISSAN dealer.

## VEHICLE LOADING INFORMATION

### **WARNING**

- **It is extremely dangerous to ride in a cargo area inside the vehicle. In a collision, people riding in these areas are more likely to be seriously injured or killed.**
- **Do not allow people to ride in any area of vehicle that is not equipped with seats and seat belts.**
- **Be sure everyone in your vehicle is in a seat and using a seat belt properly.**

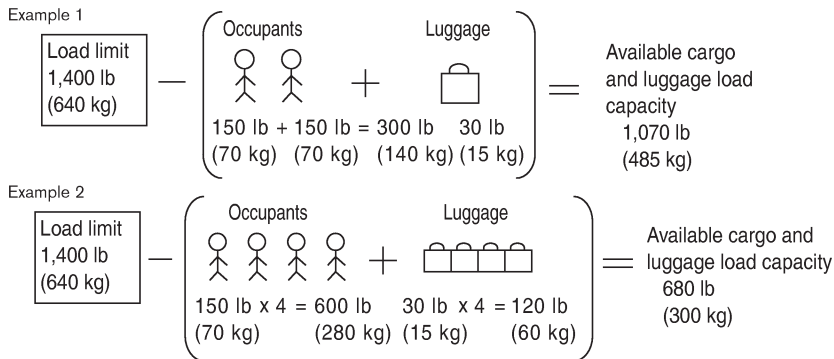
### **TERMS**

It is important to familiarize yourself with the following terms before loading your vehicle:

- **Curb Weight** (actual weight of your vehicle) - vehicle weight including: standard and optional equipment, fluids or emergency tools. This weight **does not** include passengers and cargo.
- **GVW** (Gross Vehicle Weight) - curb weight plus the combined weight of passengers and cargo.

- **GVWR** (Gross Vehicle Weight Rating) - maximum total combined weight of the unloaded vehicle, passengers, luggage, hitch, trailer tongue load and any other optional equipment. This information is located on the F.M.V.S.S./C.M.V.S.S. label.
- **GAWR** (Gross Axle Weight Rating) - maximum weight (load) limit specified for the front or rear axle. This information is located on the F.M.V.S.S./C.M.V.S.S. label.
- **GCWR** (Gross Combined Weight Rating) - The maximum total weight rating of the vehicle, passengers, cargo, and trailer.
- **Vehicle Capacity Weight, Load limit, Total load capacity** - maximum total weight limit specified of the load (passengers and cargo) for the vehicle. This is the maximum combined weight of occupants and cargo that can be loaded into the vehicle. If the vehicle is used to tow a trailer, the trailer tongue weight must be included as part of the cargo load. This information is located on the Tire and Loading Information label.

- Cargo capacity - permissible weight of cargo, the weight of total occupants weight subtracted from the load limit.



## VEHICLE LOAD CAPACITY

Do not exceed the load limit of your vehicle shown as “The combined weight of occupants and cargo” on the Tire and Loading Information label. Do not exceed the number of occupants shown as “Seating Capacity” on the Tire and Loading Information label.


To get “the combined weight of occupants and cargo”, add the weight of all occupants, then add the total luggage weight. Examples are shown in the illustration.

## Steps for determining correct load limit

1. Locate the statement “The combined weight of occupants and cargo should never exceed XXX kg or XXX lbs” on your vehicle’s placard.
2. Determine the combined weight of the driver and passengers that will be riding in your vehicle.
3. Subtract the combined weight of the driver and passengers from XXX kg or XXX lbs.
4. The resulting figure equals the available

amount of cargo and luggage load capacity. For example, if the XXX amount equals 1400 lbs. and there will be five 150 lb. passengers in your vehicle, the amount of available cargo and luggage load capacity is 650 lbs. ( $1400 - 750 (5 \times 150) = 650$  lbs) or  $640 - 340 (5 \times 70) = 300$  kg.)

- Determine the combined weight of luggage and cargo being loaded on the vehicle. That weight may not safely exceed the available cargo and luggage load capacity calculated in Step 4.
- If your vehicle will be towing a trailer, load from your trailer will be transferred to your vehicle. Consult this manual to determine how this reduces the available cargo and luggage load capacity of your vehicle.

Before driving a loaded vehicle, confirm that you do not exceed the Gross Vehicle Weight Rating (GVWR) or the Gross Axle Weight Rating (GAWR) for your vehicle. (  "MEASUREMENT OF WEIGHTS" page 9-13)

Also check tires for proper inflation pressures. See the Tire and Loading Information

label.

## LOADING TIPS

- The GVW must not exceed GVWR or GAWR as specified on the F.M.V.S.S./C.M.V.S.S. certification label.
- Do not load the front and rear axle to the GAWR. Doing so will exceed the GVWR.

### WARNING

- Properly secure all cargo to help prevent it from sliding or shifting. Do not place cargo higher than the seatbacks. In a sudden stop or collision, unsecured cargo could cause personal injury.**
- Do not load your vehicle any heavier than the GVWR or the maximum front and rear GAWRs. If you do, parts of your vehicle can break, tire damage could occur, or it can change the way your vehicle handles. This could result in loss of control and cause personal injury.**
- Overloading could not only shorten the life of your vehicle**

**and the tires, but also could lead to hazardous vehicle handling and long braking distance. This may cause a premature tire malfunction, which could result in a serious accident and personal injury. Repairs due to overloading the vehicle are not covered by the vehicle's warranty. (See the 2009 NISSAN GT-R Warranty Information Booklet.)**

## MEASUREMENT OF WEIGHTS

Secure loose items to prevent weight shifts that could affect the balance of your vehicle. When the vehicle is loaded, drive to a scale and weigh the front and the rear wheels separately to determine axle loads. Individual axle loads should not exceed either of the gross axle weight ratings (GAWR). The total of the axle loads should not exceed the gross vehicle weight rating (GVWR). These ratings are given on the vehicle certification label. If weight ratings are exceeded, move or remove items to bring all weights below the ratings.

## **TOWING A TRAILER**


---

**Do not tow a trailer with your vehicle.**

## **FLAT TOWING**

---

Towing your vehicle with all four wheels on the ground is sometimes called flat towing. This method is sometimes used when towing a vehicle behind a recreational vehicle, such as a motor home.

DO NOT tow the GT-R with all four wheels on the ground (flat towing). Doing so WILL DAMAGE internal transmission parts. Tow the GT-R with all four wheels off the ground. (  "TOWING YOUR VEHICLE" page 6-7)

## **UNIFORM TIRE QUALITY GRADING**

---

DOT (Department Of Transportation) Quality Grades: All passenger car tires must conform to federal safety requirements in addition to these grades.

Quality grades can be found where applicable on the tire sidewall between tread shoulder and maximum section width. For example:

### **Treadwear 200 Traction AA Temperature A TREADWEAR**

The treadwear grade is a comparative rating based on the wear rate of the tire when tested under controlled conditions on a specified government test course. For example, a tire graded 150 would wear one and one-half (1 1/2) times as well on the government course as a tire graded 100. The relative performance of tires depends upon actual conditions of their use, however, and may depart significantly from the norm due to variations in driving habits, service practices and differences in road characteristics and climate.

### **TRACTION AA, A, B AND C**

The traction grades, from highest to lowest, are AA, A, B and C. Those grades represent the tire's ability to stop on wet pavement as measured under controlled conditions on specified government test surfaces of asphalt and concrete. A tire marked C may have poor traction performance.

 **WARNING**

**The traction grade assigned to this tire is based on straight-ahead braking traction tests, and does not include acceleration, cornering, hydroplaning, or peak traction characteristics.**

**nation, can cause heat build-up and possible tire failure.**

**TEMPERATURE A, B AND C**

The temperature grades A (the highest), B, and C, representing the tire's resistance to the generation of heat and its ability to dissipate heat when tested under controlled conditions on a specified indoor laboratory test wheel. Sustained high temperature can cause the material of the tire to degenerate and reduce tire life, and excessive temperature can lead to sudden tire failure. The grade C corresponds to a level of performance which all passenger car tires must meet under the Federal Motor Vehicle Safety Standard No. 109. Grades B and A represent higher levels of performance on the laboratory test wheel than the minimum required by law.

 **WARNING**

**The temperature grade for this tire is established for a tire that is properly inflated and not overloaded. Excessive speed, under-inflation, or excessive loading, either separately or in combi-**

**EMISSION CONTROL SYSTEM WARRANTY**

Your NISSAN is covered by specific emission warranties:

For the United States, see the 2009 NISSAN GT-R Warranty Information Booklet.

For Canada, see the Warranty and Roadside Assistance Information Booklet.

If you did not receive a Warranty Information Booklet (Warranty and Roadside Assistance Information (Canada only)), or it has become lost, you may obtain a replacement by writing to:

- NISSAN Division  
NISSAN North America, Inc.  
Consumer Affairs Department  
P.O. Box 685003  
Franklin, TN 37068-5003
- NISSAN Canada Inc.  
5290 Orbitor Drive  
Mississauga, Ontario,  
L4W 4Z5

## **REPORTING SAFETY DEFECTS (US only)**

If you believe that your vehicle has a defect which could cause a crash or could cause injury or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA) in addition to notifying NISSAN.

If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, NHTSA cannot become involved in individual problems between you, your dealer, or NISSAN.

To contact NHTSA, you may call the Vehicle Safety Hotline toll-free at 1-888-327-4236 (TTY: 1-800-424-9153); go to <http://www.safercar.gov>; or write to: Administrator, NHTSA, 400 Seventh Street, SW., Washington DC 20590. You can also obtain other information about motor vehicle safety from <http://www.safercar.gov>.

You may notify NISSAN by contacting our Consumer Affairs Department, toll-free, at 1-866-668-1GTR (1-866-668-1487).

## **READINESS FOR INSPECTION/ MAINTENANCE (I/M) TEST (US only)**

A vehicle equipped with All-Wheel Drive (AWD) should never be tested using a two wheel dynamometer (such as the dynamometers used by some states for emissions testing), or similar equipment. Make sure you inform test facility personnel that your vehicle is equipped with AWD before it is placed on a dynamometer. Using the wrong test equipment may result in transmission damage or unexpected vehicle movement which could result in serious vehicle damage or personal injury.

Due to legal requirements in some states/ areas, your vehicle may be required to be in what is called the "ready condition" for an Inspection/ Maintenance (I/M) test of the emission control system.

The vehicle is set to the "ready condition" when it is driven through certain driving patterns. Usually, the "ready condition" can be obtained by ordinary usage of the vehicle.

If a powertrain system component is repaired or the battery is disconnected, the vehicle may be reset to a "not ready condition". Before taking the I/M test, check the vehicle's inspection/ maintenance test readiness condition. Push the ignition switch to the ON position without starting the engine. If the Malfunction Indicator Light (MIL) comes on steady for 20 seconds and then blinks for 10 seconds, the I/M test condition is "not ready". If the MIL does not

blink after 20 seconds, the I/M test condition is "ready".

If the MIL indicates the vehicle is in a "not ready" condition, drive the vehicle through the following pattern to set the vehicle to the "ready condition". If you cannot or do not want to perform the driving pattern, a GT-R certified NISSAN dealer can conduct it for you.

### **WARNING**

**Always drive the vehicle in a safe and prudent manner according to traffic conditions and obey all traffic laws.**

1. Start the engine. Allow the engine to idle until the engine coolant temperature gauge needle points between the C and H (normal operating temperature).
2. Accelerate the vehicle to 55 MPH (88 km/h), then quickly release the accelerator pedal completely and keep it released for at least 10 seconds.
3. Quickly depress the accelerator pedal for a moment, then drive the vehicle at a speed of 53 to 60 MPH (86 to 96 km/h) for at least 9 minutes.
4. Stop the vehicle. Leave the engine running.
5. Accelerate the vehicle to 35 MPH (55 km/h)

## **EVENT DATA RECORDERS (EDR)**

- and maintain the speed for 20 seconds.
- Repeat steps 4 and 5 at least 10 times.
  - Accelerate the vehicle to 55 MPH (88 km/h) and maintain the speed for at least 3 minutes.
  - Stop the vehicle. Place the shift lever in the **P** position.
  - Turn the engine off.
  - Repeat steps 1 through 8 at least one more time.

If step 1 through 7 is interrupted, repeat the preceding step. Any safe driving mode is acceptable between steps. Do not stop the engine until step 7 is completed.

**This vehicle is equipped with an Event Data Recorder (EDR). The main purpose of an EDR is to record, in certain crash or near crash-like situations, such as an air bag deployment or hitting a road obstacle, data that will assist in understanding how a vehicle's systems performed. The EDR is designed to record data related to vehicle dynamics and safety systems for a short period of time, typically 30 seconds or less. The EDR in this vehicle is designed to record such data as:**

- **How various systems in your vehicle were operating;**
- **Whether or not the driver and passenger safety belts were buckled/fastened;**
- **How far (if at all) the driver was depressing the accelerator and/or brake pedal; and,**
- **How fast the vehicle was traveling.**
- **Sounds are not recorded.**

**These data can help provide a better understanding of the circumstances in which crashes and injuries occur. NOTE: EDR data are recorded by your vehicle only if a nontrivial crash situation occurs; no data are recorded by the EDR under normal driving conditions and no personal**

**data (e.g. name, gender, age and crash location) are recorded. However, other parties, such as law enforcement, could combine the EDR data with the type of personally identifying data routinely acquired during a crash investigation.**

**To read data recorded by an EDR, special equipment is required and access to the vehicle or the EDR is needed. In addition to the vehicle manufacturer and NISSAN dealer, other parties, such as law enforcement, that have the special equipment, can read the information if they have access to the vehicle or the EDR. EDR data will only be accessed with the consent of the vehicle owner or lessee or as otherwise required or permitted by law.**

## **VEHICLE STATUS DATA RECORDER (VSDR)**

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The Vehicle Status Data Recorder (VSDR) is different from the Event Data Recorder described in “Event Data Recorder” in this section. The VSDR is not a crash-activated device, but it records and accumulates vehicle data while driving.

Examples are:

- Vehicle operating information such as the wheel speeds of the front and rear wheels
- Engine control information such as the engine speed and boost pressure

The VSDR always records and stores vehicle operating data between periodic inspections, which can assist and be used for servicing, diagnosing and performing warranty repairs.

The VSDR does not record sounds, conversations or images.

### **HANDLING OF DATA**

NISSAN and third parties affiliated with NISSAN can acquire and use the data recorded by the VSDR in order to confirm the part replacement history to improve the quality of NISSAN vehicles.

With the exception of the following cases, neither NISSAN nor third parties affiliated with NISSAN, shall disclose or offer the acquired data to other non-affiliated third parties.

- With the agreement of the vehicle owner
- When legally required to, such as when ordered by a court of law, etc.
- When offering processed data so that neither the vehicle owner nor the vehicle is identified, to research centers for statistical analysis, etc.

## **OWNER'S MANUAL/SERVICE MANUAL ORDER INFORMATION**

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A genuine NISSAN Service Manual is the best source of service and repair information for your vehicle. Filled with wiring diagrams, illustrations and step-by-step diagnostic and adjustment procedures, this manual is the same one used by the factory trained technicians working at NISSAN dealerships. Also available are genuine NISSAN Owner's Manuals, and genuine NISSAN Service and Owner's Manuals for older NISSAN models.

### **For USA:**

For current pricing and availability of genuine **NISSAN Service Manuals** for the 2000 model year and later, contact:

1-800-450-9491

[www.nissan-techinfo.com](http://www.nissan-techinfo.com)

For current pricing and availability of genuine **NISSAN Service Manuals** for the 1999 model year and prior, see a GT-R certified NISSAN dealer, or contact:

1-800-247-5321

For current pricing and availability of genuine **NISSAN Owner's Manuals** for this model year and prior, see a GT-R certified NISSAN dealer, or contact:

1-800-247-5321

#### **For Canada:**

To purchase a copy of a genuine NISSAN Service Manual or Owner's Manual, please contact a GT-R certified NISSAN dealer. For the phone number and location of a GT-R certified NISSAN dealer in your area call the NISSAN Information Center at 1-800-387-0122 and a bilingual NISSAN representative will assist you.

Also available are Genuine NISSAN Service and Owner's Manuals for older NISSAN models.

### **IN THE EVENT OF A COLLISION**

Unfortunately, accidents do occur. In this unlikely event, there is some important information you should know. Many insurance companies routinely authorize the use of non-genuine collision parts in order to cut costs, among other reasons.

### **Insist on the use of Genuine NISSAN Collision Parts!**

If you want your vehicle to be restored using parts made to NISSAN's original exacting specifications — if you want to help it to last and hold its resale value, the solution is simple. **Tell your insurance agent and your repair shop to only use Genuine NISSAN Collision Parts.** NISSAN does not warrant non-NISSAN parts, nor does NISSAN's warranty apply to damage caused by a non-genuine part.

Using Genuine NISSAN Parts can help protect your personal safety, preserve your warranty protection and maintain the resale value of your vehicle. And if your vehicle was leased, using Genuine NISSAN Parts may prevent or limit unnecessary excess wear and tear expenses at the end of your lease.

NISSAN designs its hoods with crumple zones to minimize the risk that the hood will penetrate the windshield of your vehicle in an accident. Non-genuine (imitation) parts may not provide such built-in safeguards. Also, non-genuine parts often show premature wear, rust and corrosion.

### **Why should you take a chance?**

In over 40 states, the law says you must be advised if non-genuine parts are used to repair your vehicle. And some states have enacted laws that restrict insurance companies from

authorizing the use of non-genuine collision parts during the new vehicle warranty. These laws help protect you, so you can take action to protect yourself.

### **It's your right!**

If you should need further information visit us at:

**www.nissan.com** (for U.S. customers) or **www.nissan.ca** (for Canadian customers).

**MEMO**

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## **GAS STATION INFORMATION**

### **FUEL RECOMMENDATION**


#### **VR38 engine**

Use unleaded premium gasoline with an octane rating of at least 93 AKI (Anti-Knock Index) number (Research octane number 98) to maximize vehicle performance.

If the premium gasoline specified above is not available, you may use unleaded premium gasoline with an octane rating of at least 91 AKI number (Research octane number 96), but you may notice a decrease in performance.


### **NOTICE**

- **Using a fuel other than that specified could adversely affect the emission control systems, and may also affect warranty coverage.**
- **Under no circumstances should a leaded gasoline be used, since this will damage the three way catalyst.**
- **Do not use E-85 fuel in your vehicle. Your vehicle is not designed to run on E-85 fuel. Using E-85 fuel can damage the fuel system components. See the 2009 Nissan GT-R Warranty Information Booklet for details and exclusions.**


For additional information, see the following section. (  "CAPACITIES AND RECOMMENDED FUEL/LUBRICANTS" page 9-2)

### **ENGINE OIL RECOMMENDATION**

Mobil 1, 0W-40 (100% synthetic) is the factory fill oil. The VR38 engine with its plasma-sprayed bores was developed using this oil. NISSAN cannot ensure proper engine operation and durability if other 0W-40 synthetic oil is used. If Mobil 1, 0W-40 is not available, Mobil 1, 10W-40 (100% synthetic) may be used; however, some performance loss may be noticed.


See the following section for engine oil and oil filter recommendation. (  "CAPACITIES AND RECOMMENDED FUEL/LUBRICANTS" page 9-2)

### **COLD TIRE PRESSURES**

The label is typically located on the driver side center pillar or on the driver's door. (  "WHEELS AND TIRES" page 8-29)

### **NEW VEHICLE BREAK-IN PROCEDURES RECOMMENDATION**

Follow these recommendations for the future reliability and economy of your new vehicle.

During the first 1,200 miles (2,000 km) of vehicle use, follow the recommendations outlined in this Owner's Manual. (  "BREAK-IN SCHEDULE" page 5-32)