

**2011 Nissan GT-R**



IMAGINE A SUPERCAR **WITHOUT SUPERCAR LIMITATIONS.**  
**REFINED** ENOUGH FOR THE DAILY COMMUTE.  
YET **CAPABLE** IN THE WORST WEATHER AND ROAD CONDITIONS!



Nissan GT-R shown in Super Silver.



**NISSAN GT-R®**

THE FIRST SUPERCAR MEANT TO BE DRIVEN BY  
**ANYONE, ANYTIME, ANYWHERE.<sup>2</sup>**



<sup>1</sup>Always use appropriate tires for weather conditions. See Owner's Manual for details. Failure to use appropriate tires could cause an accident resulting in serious injury or death.

<sup>2</sup>Driving is serious business and requires your full attention. At all times, obey traffic laws. Not intended for unpaved off-road use. Always wear your seat belt, and please don't drink and drive.

UNCONVENTIONAL  
**WISDOM.**

Nissan challenged tradition at every point in the development of the GT-R. While a large engine can be powerful, it can also be heavy and thirsty for fuel. Instead, the twin turbocharged 3.8-L V6 puts out its awe-inspiring 485 horsepower while being physically compact and efficient. No detail was overlooked. Rather than traditional cast-iron liners, each cylinder features a unique plasma-sprayed coating on cylinder walls. This advanced process greatly reduces friction, allowing the pistons to move more freely, reducing wear for added durability and improving cooling – a uniquely brilliant way to build an engine to perform under brutal conditions.



**One man, one engine.** Each Nissan GT-R engine is hand-crafted by a single technician – one of only 8 allowed the honour – in a dust- and temperature-controlled “clean room” much like those used for Formula One racing engines. Once assembled, the engine spends an hour in bench testing and break-in, including running at redline for a rigorous 10 minutes straight, making it ready to give full performance when the GT-R is delivered to its owner.



**An engine is an air pump.** The better it breathes, the better it works. For maximum performance, the Nissan GT-R features a fully independent intake system for each bank of cylinders. With a special secondary air system that helps heat the catalysts more quickly, the Nissan GT-R is not only powerful, it runs so clean that it's been certified as an Ultra Low Emissions Vehicle (ULEV).

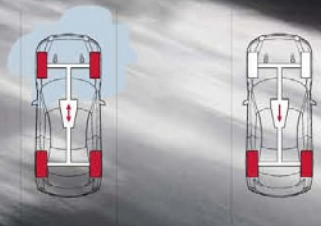
**Location, location, location.** By using a powerful twin-turbo V6 rather than a larger and heavier V8 or V12, the Nissan GT-R exploits its PM (Premium Midship) platform for ultimate balance. In the PM architecture, much of the engine sits well back in the chassis behind the front axle – for crisper turn-in, quick steering response and overall balance. The lighter, more compact engine also pays dividends in performance and interior room.



# ROAD SCHOLAR.

The Nissan GT-R features one of the most advanced All-Wheel Drive systems ever used in a road car. Precise control of power to all four wheels combined with an equally advanced VDC stability control<sup>1</sup> system mean you have superior confidence and control. Anytime. Anywhere.

**Biased performance.** Instead of the traditional 50/50 torque split between front and rear axles, the Nissan GT-R's All-Wheel Drive system is designed to provide up to 100% of available torque to the rear wheels, and can send up to 50% of torque to the front wheels as needed. This provides the steering feel and response of a rear-wheel drive vehicle – the preferred choice of racers and serious enthusiasts – while still giving the added confidence and control that only an All-Wheel Drive vehicle can offer.







**Huge in every way.** Look beyond the sheer size of the Nissan GT-R's 15" front and rear brake rotors and you'll see that Nissan and racing legend Brembo have brought some of the biggest ideas from the track to this extraordinary road car. For stronger, more even clamping power, 6-piston front and 4-piston rear calipers are used – something you'd expect to see on an all-out competition machine. For extreme rigidity with light weight, the caliper is machined from a single one-piece "monoblock" of aluminum.

\*VDC, which should remain on when driving except when freeing the vehicle from mud or snow, cannot prevent accidents due to abrupt steering, carelessness, or dangerous driving techniques. Always drive safely.



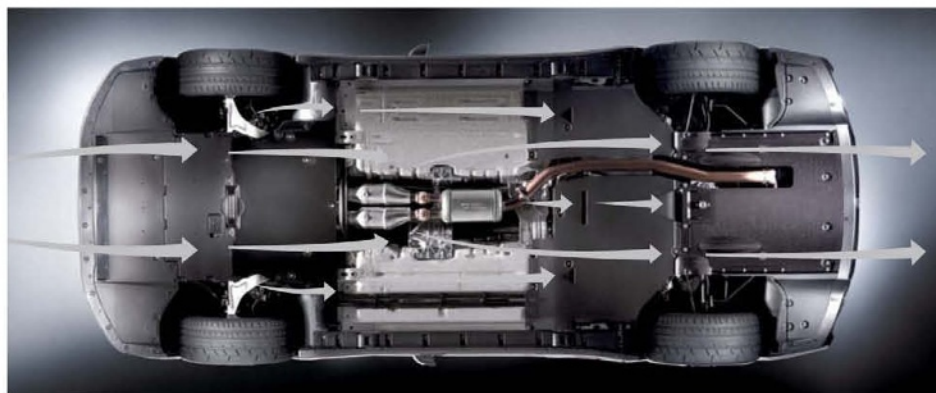
# TECHNICAL KNOCKOUT.

## ENGINE

- 3.8-litre twin-turbo V6
- 485 horsepower/434 lb-ft of torque
- Hand-crafted by a single engine builder in a contaminant-free “clean room”
- Each engine individually tested for output
- Advanced plasma-sprayed bores replace conventional cast-iron cylinder liners for reduced friction and lighter weight
- Ultra-Low Emissions Vehicle (ULEV)

## SUSPENSION

- Driver-adjustable Bilstein® DampTronic™ suspension
- Continuously adjusts for best performance
- Extensive use of lightweight aluminum suspension components for strength and precise response



## MAKING PERFORMANCE OUT OF THIN AIR.

**Winds of change.** For supercars, air is the enemy, to be avoided as much as possible. But Nissan took a unique philosophy to win this battle. Building on Nissan's extensive racing experience, the GT-R spent 2 years at the rolling road wind tunnel at Group Lotus in Europe and 1.5 years in Yoshitaka Suzuki in Japan fine-tuning the secrets of bringing racecar aerodynamics to the street. The results: an incredibly slippery 0.27 coefficient of drag with superior down-force at the wheels.

One of the greatest aerodynamic breakthroughs of the GT-R is nearly invisible. In traditional vehicles, air hitting components underneath the vehicle creates drag – slowing the car and creating lift – reducing grip and traction. By using a series of composite panels beneath the Nissan GT-R (a technique derived from racecars), cooling air can be channeled to the running gear, while the underside remains clear of obstructions, creating downforce that literally pulls the car to the road.





## TRANSMISSION

- 6-speed dual clutch transmission
- Hand-crafted by single technician
- 0.2-second shifts in R-Mode
- Carbon-fibre driveshaft to reduce weight
- World's first independent rear AWD transaxle

## AWD

- ATTESA E-TS™ All-Wheel Drive
- One of the most advanced AWD systems ever put on a road car
- Up to 50% of power can be sent to front axle to optimize performance

## WHEELS AND TIRES

- Lightweight forged 20-inch alloy wheels
- Special knurling on the beads of the wheel help keep the tire from slipping around the wheel
- Over 1500 combinations of front and rear tire sizes, compounds and tread designs tested

## SETUP SWITCHES

At the heart of its amazing abilities is an easy-to-use system of three switches that allows adjustment of the suspension, VDC stability control<sup>1</sup> and transmission. Supercar performance with amazing flexibility – at the touch of a button.

<sup>1</sup>VDC, which should remain on when driving except when freeing the vehicle from mud or snow, cannot prevent accidents due to abrupt steering, carelessness, or dangerous driving techniques. Always drive safely.  
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TRANSMISSION	SUSPENSION	VDC
<b>R-MODE</b> For maximum performance with quickest shifts.	<b>R-MODE</b> Engages maximum damping rate for high-performance cornering.	<b>R-MODE</b> For ultimate performance. Raises the threshold at which the system intervenes.
<b>NORMAL MODE</b> For maximum smoothness and efficiency.	<b>NORMAL MODE</b> For automatic electronic control of damping.	<b>NORMAL MODE</b> For daily driving, controls brakes and engine output.
<b>SNOW MODE</b> Provides gentler starting and shifting on slippery surfaces.	<b>COMFORT MODE</b> To minimize highway hop and ride harshness on rough roads.	<b>OFF</b> Disengages the VDC system.

# DRIVER-CENTRIC.

Rotated speedometer and digital gear display make for a quick read. Gauge design was inspired by intermeshing gears and reflects the single-minded purpose of the Nissan GT-R.



Multi-Function Display system with 11 screens includes 4 screens that can be custom-tailored with read-outs of a variety of vital vehicle information and performance parameters.



Amplly bolstered front sport seats hold you in place, while cutouts in the driver's seat-cushion facilitate leg motion. For a comforting and united feel, an identical grain of leather is used on the steering wheel, shift lever and door pulls.

- 9.3 GB Music Box® audio system with room to download up to 2900 songs
- Touch-screen and voice-recognition navigation<sup>1</sup>
- USB connection port for iPod® interface<sup>2</sup>
- DVD playback
- Bluetooth® Hands-Free Phone System and streaming audio
- Dual-zone Automatic Climate Control (ACC)
- Nissan Intelligent Key® keyless entry with Push Button Ignition
- Heated front seats
- Padded French-stitched panels throughout the interior



The 11-speaker Bose® audio system takes advantage of the rigid die-cast structural panels for outstanding sound reproduction and front-facing dual woofers for unmatched bass response.

- Large trunk with room for two golf bags
- Steering-column-mounted paddle shifters
- Seat-mounted side-impact and roof-mounted curtain side-impact supplemental airbags<sup>3</sup>

<sup>1</sup>Factory installed feature. Never program while driving. GPS mapping may not be detailed in all areas or reflect current road regulations. <sup>2</sup>Always give your full attention to driving. Avoid operating your iPod® in such a way that you can be distracted during vehicle operation. See dealer for details. iPod is a registered trademark of Apple, Inc. All rights reserved. iPod not included. <sup>3</sup>Airbags are only a supplemental restraint system; always wear your seat belt. Even with the occupant-classification sensor, rear-facing child restraints should not be placed in the front passenger's seat. Also, in addition to any other requirement of applicable law, all children 12 and under should ride in the rear seat properly secured in child restraints, booster seats, or seat belts according to their size. Airbags will only inflate in certain accidents; see your Owner's Manual for more details. ®Bose is a registered trademark of The Bose Corporation. ®The Bluetooth word mark and logos are owned by Bluetooth SIG, Inc., and any use of such marks by Nissan is under licence.







# BRUTALLY TESTED.

The performance credentials of the Nissan GT-R were earned at some of the most demanding tracks in the world:

- Over 3100 miles of testing at Germany's legendary Nürburgring.
- Sendai racetrack and Nissan's test track at Hokkaido, Japan.
- Laguna Seca, Willow Springs and Infineon raceways in the U.S.

To make sure it can withstand the rigors of daily driving, the Nissan GT-R was driven through demanding conditions around the world:

- High-speed testing on the Autobahn.
- Snow testing in the mountains of Hokkaido – Japan's northernmost province.
- Hot weather testing in Palm Springs and the Arizona desert.
- Rough-road testing on the city streets of Detroit.

So that you can enjoy all the Nissan GT-R has to offer at delivery, each Nissan GT-R receives a thorough 9-lap break-in run at Tochigi test track, including:

- Testing of engine performance.
- Testing of the brakes and bedding in of the pads.
- Testing of the transmission.
- Testing and break-in of suspension components.



5

5A

6

6A

# LOVINGLY ASSEMBLED.

We go to the same extremes when building the GT-R as we do when testing it.

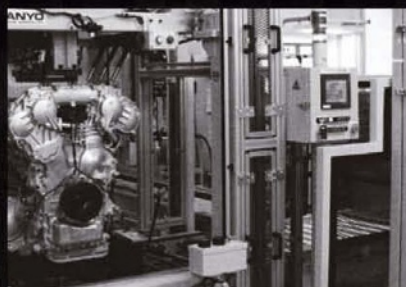
- Each engine is hand-crafted by a single technician.
- Assembly is in a dust- and temperature-controlled "clean room" – the type typically used for assembling Formula One racing engines.
- Once assembled, the engine spends an hour of bench-testing and break-in, including being run at redline for a brutal 10 minutes straight.

We had to create new technologies to ensure the Nissan GT-R is built to the most demanding standards of any production car:

- Specially designed precision-machining tools were created to provide extremely tight tolerances.
- Unique vibration-testing machines were built to ensure that those tight tolerances will remain throughout the life of the vehicle.

The GT-R wouldn't be a Nissan if we didn't also make sure that whether it's today or far in the future, the definition of a performance car is one with a conscience:

- Meets Ultra-Low Emissions Vehicle (ULEV) standards.
- Designed to be 95% recyclable.



10

11



Ebony KH3



Solid Red A54



Gun Metallic KAD



Hakone White QAB



Super Silver KAB



Black Leather/  
Synthetic Suede

From the moment you first think about a Nissan to the time you actually drive off the lot and long beyond, we want every experience to be special. Passionate. Exhilarating. Like the vehicles we design and build. After all, what's excitement without commitment?

**Finance Options** Through Nissan Canada Finance, we offer many attractive purchase and lease programs, all with competitive rates and terms. With our flexible finance options, driving home a new Nissan has never been easier. Consult your local Nissan Dealership for complete details.

**No-Nonsense Warranty** Every 2011 Nissan is covered by a 3 year/60,000 km<sup>1</sup> Comprehensive New Vehicle Warranty, a 5 year/100,000 km<sup>1</sup> Powertrain Warranty, an 8 year/130,000 km<sup>1</sup> Emission Control Warranty on selected components, and a 5 year/unlimited km Corrosion Perforation Warranty. As a Nissan owner, you'll also receive a 3 year Roadside Assistance program available to you 24 hours a day.

**Added Security Plan (ASP)** For ultimate peace of mind, consider the Nissan Added Security Plan. It's our commitment to be there for you, and to help you leave your worries behind. Different plans, available for both purchased and leased vehicles, let you tailor the coverage to your driving habits.

<sup>1</sup> Whichever comes first.

Specifications

Engine	GT-R
VR38DETT – 3.8-litre twin-turbocharged 24-valve V6; each engine	
hand-crafted by its own master technician in a clean-room environment	
Horsepower – 485 HP @ 6400 rpm	
Torque – 434 lb-ft of torque @ 3200–5200 rpm	
Cylinder bore x stroke – 95.5 mm x 88.4 mm	
Top speed – 311 k/hr (193 mph)	
Emissions – U.S. 50 State LEV2/ULEV	
Continuously Variable Valve Timing Control System (CVTCS)	
on intake valves	
Aluminum cylinder block with high-endurance/low-friction	
plasma-sprayed bores	
Aluminum pistons	
Nissan Direct Ignition System with iridium-tipped spark plugs	
Electronic drive-by-wire throttle	
Pressurized lubrication system with thermostatically controlled cooling	
and magnesium oil sump pan	
Fully symmetrical dual intake and low back-pressure exhaust systems	
Secondary air intake system to rapidly heat catalysts to peak	
cleaning efficiency	
50:50 cold weather coolant mix	
Engine block heater	

Drivetrain	
ATTESA E-TS™ All-Wheel Drive (AWD) with patented independent	
rear-mounted transaxle integrating transmission, differential and	
AWD transfer case	
Torque distribution – Traction/yaw-based; up to 100% rear; up to 50% front	
Rigid, lightweight carbon-composite main driveshaft	
Electronic Traction Control System (TCS)	
High-performance 1.5-way mechanical rear differential	
Advanced Vehicle Dynamic Control¹ (VDC-R) with three driver-	
selectable modes (Normal, R-Mode, Off)	
Hill start assist prevents rollback when starting on an incline	

Transmission	
GR6 6-speed dual clutch transmission with three driver-selectable	
modes (Normal, R-Mode, Snow); each transmission hand-crafted	
in a clean-room environment	
Fully automatic shifting or full sequential manual control via steering-	
column-mounted paddle shifters	
Downshift Rev Matching	
Predictive pre-shift control (in R-Mode) pre-selects the next gear	
change based on throttle position, vehicle speed, braking input and	
other information	

Brakes	
Nissan/Brembo® braking system 4-wheel disc brakes – 15" front and	
rear two-piece floating-rotors (front and rear) with diamond-pattern	
internal ventilation	
Super-rigid 6-piston front/4-piston rear monoblock calipers with	
racecar-inspired 3-point radial mounting	

Suspension/Steering	
Front suspension – double-wishbone with aluminum links	
Rear suspension – multi-link with aluminum links	
Rigid front and rear suspension subframes, assembled in high-precision	
jigs similar to a racecar, with 6-point mounting to body	

Suspension/Steering (continued)	GT-R
Bilstein® DampTronic™ system with three driver-selectable modes	
(Normal, R-Mode, Comfort)	
Hollow front and rear stabilizer bars to help maintain maximum tire	
contact at all four wheels during extreme cornering	
Vehicle-speed-sensitive power steering	
2.4 steering-wheel turns lock-to-lock	

Wheels/Tires	
Super-lightweight forged-aluminum wheels with knurled bead area,	
designed to maximize tire adhesion to wheel under extreme	
acceleration: front/rear 20" x 9.5"/20" x 10.5"	
Near-black metallic grey finish	
Exclusively developed tires, nitrogen-filled at factory²	
Front/rear 255/40ZRF20 285/35ZRF20	
Bridgestone® high-performance summer run-flat tires	

Body Construction	
Premium Midship (PM) platform with hybrid unibody assembled using	
high-precision, ultra-low-tolerance jigs similar to racecar construction	
Aluminum hood, trunk lid and outer door skins	
Die-cast aluminum front shock towers, inner roof and inner door structures	
All outer body panels stamped using multiple-strike coining process for	
exceptional rigidity and precision	
Carbon-composite front crossmember/radiator support	
Advanced 6-stage paint process with double clearcoat and chip-	
resistant paint in critical areas	

Aerodynamics	
Coefficient of drag – 0.27	
Negative lift (down-force) generated at speed	
Full underbody covering:	
Impact-resistant polypropylene front undercover	
Heat-resistant Sheet Molded Compound undercover behind front axle	
Rigid, heat-resistant Carbon-Sheet Molded Compound undercover	
ahead of rear-mounted transaxle	
Carbon-fibre composite diffuser tray at rear of car	
Body-colour rear spoiler	
Front fenders designed to optimize air management around the wheels	
Optimized airflow through the undercarriage and wheel arches to help	
cool the engine, drivetrain and brakes	

Styling/Functionality	
Super-wide-illumination High Intensity Discharge (HID) Xenon headlights	
Auto-on/off headlights	
LED taillights and brake lights	
Dual heated body-colour power outside mirrors	
UV-reducing solar glass (windshield and front doors)	

Interior (Audio/Navigation/Performance Monitor)	
Digital Bose® AM/FM/CD audio system with 11 speakers,	
including dual subwoofers	
9.3 GB Music Box® hard drive for digital storage and playback	
USB connection port for iPod® interface and other compatible devices³	
DVD playback	
MP3/WMA CD playback capability	
Streaming audio via Bluetooth® wireless technology	



Interior (Audio/Navigation/Performance Monitor) (continued)	GT-R
XM® Satellite Radio <sup>4</sup> – includes activation and 3 months of service	
Steering-wheel-mounted audio controls	
Speed-sensitive volume	
Nissan Hard Drive Navigation System with GPS and voice recognition	
178 mm (7") WVGA high-resolution colour LCD touch-screen display	
for audio, navigation and performance monitor	
Driver-configurable Multi-Function Display system, with graphical	
readouts of vehicle data and driving data displayed on a total	
of 11 screens	

#### Conveniences

Nissan Intelligent Key® with Push Button Ignition	
Electronic analog instrument cluster with multi-function trip computer	
and digital gear indicator	
Bluetooth® Hands-Free Phone System	
HomeLink® universal garage-door opener	
Dual-zone Automatic Climate Control (ACC)	
In-cabin microfilter	
Power front windows with one-touch driver-side auto-up/down	
Power door locks	
Remote keyless entry with trunk release	
Cruise control with steering-wheel-mounted controls	
Tilt and telescoping steering column	
Variable-intermittent flat-blade speed-sensitive windshield wipers	
Dual illuminated visor vanity mirrors	
Auto-dimming inside rearview mirror	
12-volt DC power outlets (2)	

#### Seating/Appointments

Leather front seating surfaces with perforated synthetic suede inserts	
8-way power driver's seat and 4-way power front passenger's seat	
Heated front seats	
Dual individual rear seats	
Leather-wrapped steering wheel and gearshift knob	
Aluminum-trimmed pedals	
French-stitched leather-trimmed dashboard, console and doors	
Brushed-metal interior trim	

#### Safety/Security

Nissan Advanced Airbag System (AABS) with dual-stage supplemental	
front airbags, seat belt sensors and occupant-classification sensor	
Driver and front-passenger seat-mounted side-impact supplemental	
airbags and roof-mounted curtain supplemental airbags	
Front seat belts with pre-tensioners and load limiters	
3-point ALR/ELR passenger seat belt system (ELR for driver)	
LATCH System (Lower Anchors and Tethers for CHildren)	
Zone Body construction with front and rear crumple zones	
Hood-buckling creases, steel side-door guard beams and energy-	
absorbing steering column	
4-wheel Anti-lock Braking System (ABS)	
Electronic Brake force Distribution (EBD)	
Tire Pressure Monitoring System (TPMS)	
Nissan Vehicle Immobilizer System	
Vehicle Security System	

## Dimensions/Capacities

#### Exterior Dimensions – mm (inches)

Wheelbase	2780 (109.4)	Overall height	1372 (54.0)
Overall length	4650 (183.1)	Track width (front/rear)	1590 (62.6)/1600 (63.0)
Overall width	1902 (74.9)		

#### Interior Dimensions – mm (inches)

##### Front/rear

Head room	968 (38.1)/852 (33.5)	Hip room	1388 (54.7)/1141 (44.9)
Leg room	1132 (44.6)/670 (26.4)	Shoulder room	1380 (54.3)/1269 (50.0)

#### Capacities

Interior passenger volume – L (cu. ft.)	2237 (79.0)
Fuel tank – L (Imp gal)	73.8 (16.23)
Cargo volume – L (cu. ft.)	249 (8.8)

#### Curb Weights – kg (lbs)

	GT-R
Total	1730 (3814)
Weight distribution	53/47

#### 2011 Fuel Consumption Estimates – L/100 kg (mpg)

	GT-R
City	13.9 (20)
Highway	9.5 (30)

Actual mileage may vary with driving conditions – use for comparison only.

■ Standard

<sup>1</sup>VDC, which should remain on when driving except when freeing the vehicle from mud or snow, cannot prevent accidents due to abrupt steering, carelessness, or dangerous driving techniques. Always drive safely. <sup>2</sup>Always use appropriate tires for weather conditions. See Owner's Manual for details. Failure to use appropriate tires could cause an accident resulting in serious injury or death. <sup>3</sup>Always give your full attention to driving. Avoid operating your iPod in such a way that you can be distracted during vehicle operation. See dealer for details. iPod is a registered trademark of Apple, Inc. All rights reserved. iPod not included. <sup>4</sup>XM® Satellite Radio is available in the 10 Canadian provinces and the 48 contiguous United States. Basic monthly subscription required and sold separately after trial period. Subscription subject to terms and conditions at xmradio.ca. All fees and programming subject to change. © 2010 XM Satellite Radio Inc. The XM name and related logos are registered trademarks of XM Satellite Radio Inc. All other trademarks are the property of their respective owners. <sup>®</sup>Bridgestone is a registered trademark of Bridgestone Corporation. <sup>®</sup>Brembo is a registered trademark of Freni Brembo S.p.A. <sup>®</sup>Bilstein is a registered trademark of ThyssenKrupp Bilstein GmbH. <sup>®</sup>Bose is a registered trademark of The Bose Corporation. <sup>®</sup>HomeLink is a registered trademark of Johnson Controls Technology Company. <sup>®</sup>The Bluetooth word mark and logos are owned by Bluetooth SIG, Inc., and any use of such marks by Nissan is under licence. <sup>™</sup>DampTronic is a trademark of ThyssenKrupp Bilstein GmbH.

## NISSAN SPORTS CARS

GT-R®



370Z™ COUPE



370Z™ ROADSTER



MAXIMA®



ALTIMA® COUPE



SENTRA® SE-R



**NISSAN GT-R. ANYONE, ANYTIME, ANYWHERE.¹**

¹Driving is serious business and requires your full attention. At all times, obey traffic laws. Not intended for unpaved off-road use. Always wear your seat belt, and please don't drink and drive.



**SHIFT** the way you move

**nissan.ca**

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