



# Congratulations!

Your new vehicle is fitted with high performance and high quality Dunlop tires.

In order to guarantee that you receive the best performance and quality from you new Dunlop tires, we recommend that you read and follow all of the maintenance and safety tips provided in this document. We also suggest that you have your Dunlop tires periodically inspected and maintained by a qualified tire service professional.

## Contents

A) Tire Care and Recommendations.....	2
Proper Inflation and Fuel Economy.....	2
Tire Inflation Pressure.....	2
Checking your Tire's Air Pressure.....	2
Tire Pressure Monitoring System (TPMS).....	3
Rotation and Wear.....	3
Tire Replacement.....	3
Tire Repairs.....	4
Tire Mix Usage.....	4
Tire Speed Ratings.....	4
High Performance, Low Aspect Ratio Tires.....	4
Winter Tires.....	5
Storing Your Tires.....	5
Speed Limits.....	5
Tire Spinning.....	5
B) Limited Warranty.....	5
What is Covered and How Long.....	6
What is Not Covered by the Warranty.....	6
Possible Non Covered Reasons/Conditions.....	6
Owner's Obligation.....	7
Legal Rights.....	7
C) Understanding Your Tires.....	7
Tire Speed Symbols.....	7
Date of Manufacture.....	8
DOT Symbol and DOT Serial Code.....	8
Tire Sidewall Labeling.....	8
Max. Load and Inflation.....	9
Ply. Composition and Materials.....	9
Radial Marking.....	9
Uniform Tire Quality Grading System.....	9
D) Notes.....	10
E) Tire Maintenance Records.....	10
F) Tire Manufacture Contact Information.....	10

## A) Tire Care and Recommendations

### ❖ PROPER INFLATION AND FUEL ECONOMY

Ensure maximum performance and a long life from your tires by checking the air pressures at least once a month and set them to the vehicle manufacturer's recommended pressure(s) listed on the vehicle's tire placard or in your owner's manual. Always check and adjust your air pressure when your tires are cold, preferably first thing in the morning before driving. Never release air pressure from tires when they are hot. Wait until the tires cool down and recheck, adding air or releasing as required. Dunlop endorses the use of nitrogen in your tires because it helps your tires maintain optimal pressure for longer periods of time and reduces the amount of moisture inside of the tire and wheel assembly.

**\*Some plus size applications may require different air pressure(s) than what is listed on your vehicle's placard or owner's manual. In this case, please consult your tire dealer or Dunlop Tires for proper inflation pressure(s).**


### ❖ TIRE INFLATION PRESSURE

Tires need to be properly inflated to effectively operate and perform as intended. Tires carry the weight of the vehicle, passengers, and cargo as well as bear the forces of braking, accelerating, and turning. The vehicle manufacturer sets the inflation pressures for the original equipment tires that are on your vehicle.

Driving with improperly inflated tires is dangerous. An under inflated tire will generate excessive heat build-up that will cause damage to the internal structure and inner liner of the tire. Besides tire damage, improper tire inflation pressures can also affect your vehicle's ride and handling, tire tread wear, and fuel economy. It is recommended to always keep all of your tires, including the spare, at the vehicle manufacturer's recommended inflation pressures and be sure to check the air pressure monthly and before going on long road trips or carrying extra weight in your vehicle.

Your vehicle's tire placard and/or owner's manual will list the cold inflation pressure(s) for your vehicle's original equipment tires, including the spare. The placard can be found on the driver's side door or door jamb area. If you have questions about understanding your vehicle's tire placard, please refer to your owner's manual or ask a qualified tire service professional.

Example of what your tire placard looks like:



**TIRE AND LOADING INFORMATION**

SEATING CAPACITY : TOTAL 7 : FRONT 2 : REAR 5

The combined weight of occupants and cargo should never exceed 404kg or 891lbs.

TIRE	SIZE	COLD TIRE PRESSURE	SEE OWNER'S MANUAL FOR ADDITIONAL INFORMATION
FRONT	P215/70R15	200 kPa, 29 PSI	
REAR	P215/70R15	200 kPa, 29 PSI	
SPARE	T125/70D15	420 kPa, 60 PSI	

### ❖ CHECKING YOUR TIRE'S AIR PRESSURE

Checking your air pressure at least once a month is vital to help your tires perform properly and help you get the best gas mileage possible. Tires can lose up to 7 kPa (1 PSI) per month under normal conditions and lose up to 7 kPa (1 PSI) per every 9°C (16°F) drop in temperature. Here are some simple steps on how to check the air pressures in your tires:

1. Remove the valve stem cap.
2. Place the end of the tire gauge firmly against the tire's valve stem.
3. Read the current pressure displayed on the gauge that is currently in the tire.
4. Increase pressure at this time (if needed) and recheck with your tire gauge.
5. Replace the valve stem cap.
6. Repeat until all of your tires have been checked and adjusted accordingly.



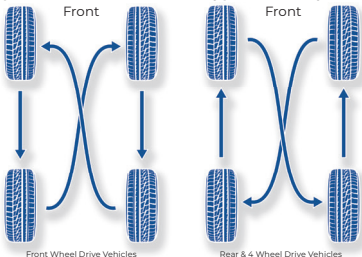
### ❖ TIRE PRESSURE MONITORING SYSTEM (TPMS)

A tire pressure monitoring system (TPMS) is a safety system found in most vehicles manufactured after 2005. There are pressure sensing transmitters mounted inside of each tire that send readings to the central computer (ECU) in your vehicle. The TPMS system will alert you when one or more of your tires are underinflated by 25% or more by turning on a warning light on your vehicle's dashboard or heads up display (HUD) screen. This means that one or more of your tires may have a low-pressure condition. Follow the instructions in your owner's manual.

### ❖ ROTATION AND WEAR

Dunlop recommends rotating your tires at least every 8,000km (5,000 miles) and periodically inspecting your tires to make sure they are free of road hazards (such as nails, screws, large wood splinters, etc.) that might penetrate your tires causing them to lose air pressure and to ensure they are wearing evenly. Common irregular wear patterns are: misalignment wear, where the tire shows excessive outer or inner tread wear. Tire sidewalls should also be inspected for cuts, snags, bruises, and weather cracking. If any of these noted conditions are present during inspection, we recommend returning to your servicing tire dealer to be corrected to ensure long tire life. \*\*\*Never include a temporary spare tire in your rotation pattern\*\*\*

Rotation patterns bases on what type of drive your vehicle is:



### ❖ TIRE REPLACEMENT

Dunlop recommends replacing your tires when the tread wears down to the wear bars at 1.6mm (1/32 of an inch), which are located across the tread in several locations around the tire. If only two tires are being replaced, the two new tires should always be installed on the rear of the vehicle to aid in preventing your vehicle from hydroplaning, even if your car is front wheel drive. It's always recommended to have your new tires balanced during installation, and alignment checked if the previous tires show irregular wear. Tires that have been in use for 6 (six) years or more should continue to be inspected by a qualified tire specialist, at least annually. It is recommended that any tires 10 (ten) years old or older from the date of manufacture, including spare tires, be replaced with new tires as a precaution even if such tires appear serviceable and even if they have not reached the legal worn-out limit at 1.6mm (1/32 of an inch).

### ❖ TIRE REPAIRS

In the event that you get a flat tire while driving, it is best to find a nearby, safe place to stop and install your spare tire or call a tow truck. The less distance that you drive on your low or flat tire, the better chances your tire has of being repairable. Once you are able to get to your local servicing tire dealer, have them dismount the tire from the rim and thoroughly inspect the inside of the tire. It is important to know the difference between a proper tire repair and an improper one because it can be critical to you and your vehicle's safety. An improper repair could pose a safety threat to you and your family and could also affect your tire's manufacturer's warranty. Here are some tips in determining if your damaged tire can be properly repaired or not:

- Always have the tire removed from the wheel and inspected before any repair is performed.
- Tires with less than 1.6mm (1/32 of an inch) of tread should NOT be repaired.
- Never repair a tire with a puncture larger than 6mm (1/4 of an inch).
- Repairs should be limited to the tread area only.
- Repairs cannot overlap with one another.
- A plug and patch or plug/patch combo should be used to effectively repair a tire puncture.
- If anything seems questionable at any time during the repair process, ask your service advisor for more details and/or call the tire manufacturer to make sure the tire's warranty isn't being voided.

### ❖ TIRE MIX USAGE



#### SAFETY WARNING

**Never mix tires of different size or construction and/or type on any axle. (Except for temporary use as a spare tire.) Always refer to the vehicle's owner manual for proper tire fitments.**

### ❖ TIRE SPEED RATINGS

Dunlop recommends replacing your tire(s) with the same speed rating as the original tires equipped on your vehicle. *It is okay to use a lower speed rated tire when using winter tires. However, speeds should be reduced to match the tires new "maximum" speed capability.* Any tire that is repaired, damaged, abused, altered from its original state or retreaded voids the speed rating on that particular tire and should be considered a non-speed rated tire.



#### SAFETY WARNING

**Dunlop does not recommend the use of mixing different speed ratings on a vehicle. This can cause poor handling and unpredictable steering.**

### ❖ HIGH PERFORMANCE, LOW ASPECT RATIO TIRES

Various new vehicles come equipped with high performance and/or low aspect ratio tires from the factory. These tires generally provide increased vehicle handling characteristics but may also have engineering performance trade-offs related with their designs. Low aspect ratio tires have reduced sidewall heights and may be more vulnerable to damage from road hazards, potholes, and other objects, like curbs. Your vehicle's wheels are susceptible to these same dangers as well. Some vehicles may be originally equipped with high performance tires that are designed for warmer weather use reducing traction in colder, winter weather conditions. High performance tires also pose the possibility of wearing more quickly, giving a stiffer ride, and producing louder noise than standard all-season tires during operation. Refer to your vehicle owner's manual, tire information placard, or qualified tire service professional for more information about these kinds of tires.

### ❖ WINTER TIRES

Dunlop recommends all four tires be replaced when replacing your original equipment tires and installing winter tires for the winter months.



#### SAFETY WARNING

**Never use just two winter tires. It could lead to adverse handling, loss of control, which could cause serious injury or death.**

### ❖ STORING YOUR TIRES

When storing your tires for any extended period of time, be sure to thoroughly clean your tires with a tire brush, soap, and water to remove any dirt, salt, and brake dust from the tires. If you are storing your tires still mounted on the wheels, use a wheel brush and approved wheel cleaner to clean your wheels. Then dry the wheels and tires with a towel and allow them to fully dry. DO NOT apply any tire dressings while storing your tires. Tire compounds are made to resist weather cracking and ozone damage. Place each clean and dry tire in an airtight plastic bag and seal the bag with tape to help reduce oil evaporation. Store your tires out of direct sunlight and somewhere that is well shielded from the elements, like a climate-controlled room or dry basement. Storing the tires in a garage or shed usually exposes the tires to a wide range of temperatures as well as precipitation and humidity. Keep the tires away from sources that emit ozone like electric motors that use contact brushes, furnaces, sump pumps, etc. Although tires will still age regardless of how they are stored, these precautions will help slow the aging process and reduce the damage to your tires.

### ❖ SPEED LIMITS



#### SAFETY WARNING

**Operating your vehicle in excess of the posted speed limit or the maximum speed allotted by driving conditions has the potential to be dangerous. Higher driving speeds create excessive heat buildup in a tire, leading to a possible tire failure.**

### ❖ TIRE SPINNING



#### SAFETY WARNING

**Spinning a tire to get a stuck vehicle out of mud, ice, snow, sand, or wet grass can be potentially dangerous. A spinning tire at a speedometer reading above 55 km/h (35 mph) can be capable of disintegrating a tire with explosive force. In some circumstances, a tire may be spinning at twice the speed displayed on the speedometer. This can cause serious injury or death to you, a passenger, or bystander. Never spin a tire above 55 km/h (35 mph).**

## B) Limited Warranty

This limited warranty applies to Dunlop brand Original Equipment Passenger Car, Temporary Spare, and Light Truck steel belted radial tires bearing the complete description and serial number required by the Department of Transportation (DOT). This warranty is effective only for tires for which claims are made within 6 (six) years of the date of production, based on the tire DOT serial number.

### 1. WHAT IS COVERED AND FOR HOW LONG

Dunlop tires that are originally equipped on this vehicle are warranted against any defects in the materials and workmanship for the usable life of the original tread. The limited warranty terminates at the flush appearance of the tread wear indicators at 1.6mm (1/32 of an inch) remaining tread depth.

#### A. Free Replacement

If a tire becomes unserviceable due to such defect within the first 1.6mm (1/32 of an inch) of tread wear, the tire will be replaced free of charge with the same or comparable Dunlop tire (mounting and balancing labor covered).

#### B. Prorated Replacement

After the first 1.6mm (1/32 of an inch) of wear, a prorated adjustment credit will be given based on the percentage of remaining usable tread depth, down to the remaining 1.6mm (1/32 of an inch) tread wear bar indicator (mounting and balancing labor covered). No credit is given if the tire is worn beyond the flush appearance of the tread wear bar indicator (less than 1.6mm (1/32 of an inch) tread depth remaining).

#### C. Out-of-Round / Out-of-Balance Replacement

Tires that are deemed to be out-of-round or out-of-balance will be accepted for adjustment during the first 1.6mm (1/32 of an inch) of the original tread depth and will be replaced free of charge with the same or similar Dunlop tires (mounting and balancing labor covered). A set of four (4) tires from the same vehicle will not be accepted for out-of-round or out-of-balance claims.

### 2. WHAT IS NOT COVERED BY THE WARRANTY

- A. Tires that become unserviceable due to road hazard damages (cuts, snags, punctures, bruises, impact breaks, etc.) improper repair technique or materials, improper inflation, overload, irregular wear, wheel imbalance, defective mechanical vehicle components (brakes, suspension, wheels, etc.) improper suspension alignment, accident, fire, chemical damage, damage from chain use, racing, off-road use, run flat, improper installation, vandalism, or abuse.
- B. Tires branded "NA" or a tire in which the DOT numbering has been removed.
- C. Tires that were transferred to another vehicle from the vehicle in which the tires were originally installed.
- D. Tires having a failure, or failures caused by previous damage or repairs.
- E. The cost of tire repair or retreading is not covered by this warranty and will be the sole responsibility of the tire owner.

### II. Possible NON-Covered Reasons/Conditions due to:

Chipping/ Chunking/ Tearing	Puncture
Corrosions/ Wreck	Racing or any Competition
Fire	Repair Failure
Impact Break/ Concussions	Road Hazards
Improper Inflation Pressure	Sidewall Cuts/ Damages
Improper Mounting/ Dismounting	Theft or Vandalism
Mechanical Defects of the Vehicle	Tread Cuts
Misalignment	Wheel Imbalance
Misapplication	Willful Abuse
Overloading	