



**PASSENGER AND LIGHT TRUCK TIRE  
LIMITED WARRANTY  
AND OWNER'S MANUAL**

Contains all Applicable Treadwear Limited Warranty Information  
Including the Limited Warranty for Uniroyal® Tires with NailGard®

## UNIROYAL® PASSENGER AND LIGHT TRUCK TIRE LIMITED WARRANTY

### ABOUT THE LIMITED WARRANTIES AND OWNER'S MANUAL

This booklet contains the limited warranties that pertain to Uniroyal® passenger and light truck tires. All Uniroyal® tires are covered by the Uniroyal® Passenger and Light Truck Tire Limited Warranty. Some Uniroyal® tires are covered by the Uniroyal® Passenger and Light Truck Tire Treadlife Limited Warranty. Only the Uniroyal® Royal Seal® tires, Tiger Paw® NailGard® and Laredo® NailGard® tires with self-sealing NailGard® are covered by the Uniroyal® Tread Puncture Limited Warranty.

### Workmanship and Materials

As the original purchaser of a Uniroyal® passenger or light truck tire you are covered by all the applicable benefits and conditions (subject to the maintenance recommendations and safety warnings) contained in the owner's manual section of this booklet.

### Treadlife

Some Uniroyal® Tiger Paw® and Laredo® tires carry limited warranty coverage for treadlife, see pages 3 and 4 for the specific tires. From time to time, additional tread designs may be included in this list of Uniroyal® tires covered by a manufacturer's treadlife limited warranty. For details, ask your tire retailer or call toll-free 1-877-458-5878. The terms and conditions of these treadlife limited warranties begin on page 3 of this booklet.

### Tread Puncture Limited Warranty

Uniroyal® tires with NailGard® are covered by the Tread Puncture Replacement Plan. The terms and conditions for this plan are on page 5.

### Owner's Manual

Please read carefully and understand the terms and conditions of your limited warranty coverage, contained in the following pages. It is essential that you also read and understand the safety and maintenance recommendations for your tires, beginning on page 7.

### Definitions

The "legal life of the tire" is six years from the date of purchase or the life of the "usable tread," which is defined as the original tread worn down to the level of the treadwear indicators - 2/32nds of an inch (1.6 mm) of tread remaining, whichever occurs first. The date of purchase is documented by a new vehicle registration or tire sales invoice. If no proof of purchase is available, the date of manufacture as molded on the sidewall will be used. Replacement will be made in accordance with the terms and conditions described under "HOW REPLACEMENT CHARGES ARE CALCULATED."

Uneven wear is defined as a tread depth difference of 2/32nds of an inch or more on the same tire.

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## UNIROYAL® PASSENGER AND LIGHT TRUCK TIRE LIMITED WARRANTY

### THE UNIROYAL® LIMITED WARRANTY - WHAT IS COVERED AND FOR HOW LONG

#### Workmanship and Materials

Uniroyal® passenger and light truck tires, used in normal service on the vehicle on which they were originally fitted and in accordance with the maintenance recommendations and safety warnings contained in the owner's manual section of this booklet, are covered by this limited warranty against defects in workmanship and materials for the life of the original usable tread, or six years from date of purchase, whichever comes first. At that time, all warranties, express or implied, expire.

#### Temporary Spares

Uniroyal® temporary spare tires are covered by this limited warranty for six years from date of purchase or until the first 2/32nds of an inch (1.6mm) of the original tread is worn off. At that time, all warranties, express or implied, expire.

#### WHAT IS NOT COVERED

##### Tires which become unserviceable due to:

- Road hazard injury (e.g., a cut, snag, bruise, impact damage or puncture) (Excluding tires with NailGard® that are covered by the Tread Puncture Limited Warranty);
- Incorrect mounting of the tire, tire/wheel imbalance or improper repair;
- Misapplication, improper maintenance, racing, underinflation, overinflation or other abuse;

- Uneven or rapid wear caused by mechanical irregularity in the vehicle such as wheel misalignment (measured tread depth differences of 2/32nds of an inch or more on the same tire);
- Accident, fire, chemical corrosion, tire alteration or vandalism;
- Flat spotting caused by improper storage;
- The addition of liquid, solid or gaseous materials other than air, nitrogen or carbon dioxide (for example, waterbased sealers or balancing substances);
- Ozone or weather checking.

#### HOW REPLACEMENT CHARGES ARE CALCULATED

##### Workmanship / Materials

A tire which becomes unserviceable within 12 months of the date of purchase due to a condition covered by this workmanship and materials limited warranty will be replaced with a comparable new Uniroyal® tire, free of charge, when 2/32nds of an inch (1.6mm) or less of the original tread is worn, (or 25% or less, whichever is more beneficial to the user). The cost of mounting and balancing the tire is included. You pay the cost of any other service charges and applicable taxes.

If a Uniroyal Royal Seal® tire or a Uniroyal® tire with NailGard® becomes unserviceable due to a condition covered by the workmanship and materials limited warranty, it will be replaced with a new, comparable Uniroyal® Brand tire at no charge, during the first 24 months after the date of purchase or the first 30% of treadwear, whichever comes first. The cost of mounting and balancing the tires is included. You pay the cost of any other service charges or applicable taxes.

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## UNIROYAL® PASSENGER AND LIGHT TRUCK TIRE LIMITED WARRANTY

When more than 2/32nds of an inch of original tread has been worn (or more than 25%, whichever is more beneficial to the user) or after 12 months from the date of purchase, you must pay the cost of a comparable new Uniroyal® passenger or light truck replacement tire on a *pro rata* basis. The retailer shall determine the charge by multiplying the percentage of the original usable tread worn by the current selling price at the adjustment location or the price in the current Uniroyal® Base Price List, whichever is lower. This list is based on a predetermined price intended to fairly represent the actual selling price of the tire. For Uniroyal® tires with NailGard®, the *pro rata* replacement period begins after 24 months or when more than 30% of the tread has been worn. You pay the cost of mounting, balancing and any other service charges and applicable taxes.

### Temporary Spares

A Uniroyal® Temporary Spare used in temporary service on the vehicle in which it was originally installed, which becomes unserviceable due to a condition covered by this limited warranty, will be replaced with a comparable new Uniroyal® Temporary Spare tire, free of charge, when it is worn less than 1/32nd (0.8mm) of an inch. The cost of mounting and balancing is included. You pay the cost of any other service charges and applicable taxes. When 1/32nd (0.8mm) of the original tread has been worn, but less than 2/32nds (1.6mm) the tire will be replaced at 50% according to the current actual selling price at the adjustment location. You pay the cost of mounting and balancing and any other service charges and applicable taxes.

### TREADLIFE LIMITED WARRANTY

Some Uniroyal® Passenger and Light Truck tire tread designs are covered by a manufacturer's limited warranty for treadlife. These tires (hereafter referred to as "a mileage tire" or "the mileage tires") have the following warranted mileage coverage:

Tread Design	Warranted Mileage
Tiger Paw® with NailGard®	80,000 miles
Tiger Paw® AquaGrip®	80,000 miles
Tiger Paw® Touring(T-Rated) <sup>4</sup>	80,000 miles
Tiger Paw® AWP	70,000 miles
Tiger Paw® AWP with NailGard®	70,000 miles
Tiger Paw® Touring TR	70,000 miles
Tiger Paw® Touring SR	70,000 miles
Tiger Paw® Touring SR with NailGard®	70,000 miles
Uniroyal® American Gold <sup>1</sup>	70,000 miles
Tiger Paw® AS-6000	60,000 miles
Tiger Paw® Touring HR™	55,000 miles
Tiger Paw® AS65 <sup>2</sup>	50,000 miles
Tiger Paw® GTS	50,000 miles
Tiger Paw® ASC	50,000 miles
Tiger Paw® Freedom™ <sup>5</sup>	50,000 miles
Uniroyal® Silver™ <sup>1</sup>	50,000 miles
Tiger Paw® GTH4	40,000 miles
Tiger Paw® GTH	40,000 miles
Laredo® Cross Country	60,000 miles
Laredo® with NailGard®	50,000 miles
Laredo® HD/H <sup>3</sup>	50,000 miles
Laredo® HD/H™ with NailGard® <sup>3</sup>	50,000 miles

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## UNIROYAL® PASSENGER AND LIGHT TRUCK TIRE LIMITED WARRANTY

- <sup>1</sup> Distributed by American Car Care Centers (ACCC) only.
- <sup>2</sup> Distributed by BJ's Wholesale Club only.
- <sup>3</sup> The Laredo® HD/H and Laredo® HD/H with NailGard® tires are covered for a total of 50,000 miles on a one time only basis. This means that if a mileage warranty claim is made, the replacement tires are warranted only to fulfill the original 50,000 miles.
- <sup>4</sup> Purchased on or after April 1, 2004.
- <sup>5</sup> Distributed by American Tire Distributors only.

As the purchaser of a mileage tire, you are covered by all the applicable benefits and conditions and subject to the maintenance recommendations and safety warnings of the Uniroyal® Passenger and Light Truck Tire Owner's Manual/Limited Warranty, as written in this booklet.

No tire manufacturer can guarantee you a certain number of miles from a given tire. Driving habits, driving conditions, road conditions and vehicle maintenance all play a part in the treadlife of a tire. If a tire does not reach the warranted mileage, and the owner of the tires has complied with the terms and conditions of the warranty, Uniroyal® will replace the tires as described below.

### TREADLIFE: WHAT IS COVERED AND FOR HOW LONG

If, within six years of the date of purchase the mileage tires wear evenly across the tread, down to the treadwear indicators (2/32nds

of an inch tread remaining) before providing the warranted miles of service as indicated by the vehicle odometer, they will be replaced with comparable new Uniroyal® tires for a *pro rata* charge based on mileage received. (See below "HOW PRO RATA TREADWEAR CHARGES ARE CALCULATED"). You pay the cost of mounting, balancing and any other service charges and applicable taxes.

Tires which wear out evenly before delivering the warranted mileage will be replaced on a *pro rata* basis only if:

- 1) You are the original purchaser of the tires, you own the vehicle on which they were originally installed, and the tires have been used only on that vehicle;
- 2) The tires have been rotated and inspected by a participating Uniroyal® tire retailer every 7,500 miles, and the attached Mounting and Rotation Service Record has been fully completed and signed (see page 16);
- 3) The completed Mounting and Rotation Service Record, Original Owner/Tire Installation Information form, and the original invoice are presented to a participating Uniroyal® tire retailer at the time of the adjustment claim; and
- 4) The tires have not become unserviceable due to a condition listed under WHAT IS NOT COVERED.

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## UNIROYAL® PASSENGER AND LIGHT TRUCK TIRE LIMITED WARRANTY

### HOW PRO RATA TREADWEAR CHARGES ARE CALCULATED

A mileage tire meeting the conditions for *pro rata* replacement will be replaced with a comparable new Uniroyal® tire based on mileage received. The participating Uniroyal® tire retailer will determine the charge by multiplying the percent of mileage received by the then current actual selling price at the adjustment location, or the price of the tire in the current Uniroyal® Base Price List, whichever is lower. This list is based on a predetermined price intended to fairly represent the actual selling price of the tire. You pay the cost of mounting, balancing and any other dealer services and applicable taxes.

### ABOUT TREAD PUNCTURE REPLACEMENT PLAN Tread Puncture Limited Warranty

Uniroyal® tires with NailGard® (including Royal Seal® tires) have a sealant material covering the inner liner at the tread area. This sealant is designed to seal punctures to the tread that are 3/16ths of an inch or less in diameter. No tire is immune to having a complete loss of air. If your Uniroyal® Tiger Paw® sealant tire does not seal a puncture during the legal life of the tire\*, Uniroyal® will replace the tire free of charge, mounting and balancing included.

### Laredo® HD/H™ or HD/T Tires with NailGard®

If your Uniroyal® Laredo® tire with NailGard® does not seal a puncture during the first 50% of the original useable tread depth\*,

Uniroyal® will replace the tire free of charge. When more than 50% of the original tread\* is worn, the Tread Puncture Replacement Plan for Laredo® tires with NailGard® expires.

\*See Definitions on page 1.

UNIROYAL® OFFERS THIS TREAD PUNCTURE REPLACEMENT PLAN SOLELY AS A CONVENIENCE TO ITS CUSTOMERS. UNIROYAL® MAKES NO REPRESENTATION OR PROMISE THAT UNIROYAL® TIRES WITH NAILGARD® WILL SEAL TREAD PUNCTURES GREATER THAN 3/16" IN DIAMETER.

### WHAT THE CONSUMER MUST DO WHEN MAKING A CLAIM

When making a workmanship and material, tread puncture, or a treadwear replacement claim under the terms of this warranty you must present your tires, your vehicle, the original copy of this warranty, and your original invoice, to a participating Uniroyal® tire retailer. Both the completed MOUNTING AND ROTATION SERVICE RECORD, and ORIGINAL OWNER/TIRE INSTALLATION INFORMATION form must accompany any treadwear mileage replacement claim.

Participating Uniroyal® tire retailers are listed in the yellow pages under "Tire Dealers-Retail".

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## UNIROYAL® PASSENGER AND LIGHT TRUCK TIRE LIMITED WARRANTY

### CONDITIONS AND EXCLUSIONS

This limited warranty does not provide compensation for loss of time, loss of use of vehicle, inconvenience or incidental or consequential damages.

Tires presented for claim remain the property of the consumer and Uniroyal® accepts no responsibility for loss of, or damage to, tires which are in the custody or control of a Uniroyal® tire retailer for the purpose of inspection for warranty adjustment.

Tires accepted for claim become the property of Michelin North America, Inc., ("MNA"), which is the processor of warranty claims for Uniroyal® tires.

**In the event of a disputed claim, the consumer must make the tires available for further inspection.**

No representative, employee or retailer of Uniroyal® tires has the authority to make or imply any representation, promise or agreement which in any way varies the terms of these warranties.

These warranties apply only in the United States.

### SAFETY MAINTENANCE INFORMATION

Read your Tire Owner's Manual, the information on the sidewall of your tires, your vehicle owner's manual and vehicle tire information placard for essential safety and maintenance information.

You should have complete confidence in your new Uniroyal® tires. Still, it's important to register your tires in the event that we need to contact you. For online tire registration, visit [www.uniroyal.com](http://www.uniroyal.com)

Any time you see damage to your tires or wheels, contact a local Uniroyal® tire retailer listed in the yellow pages at once. If further assistance is required, contact:

United States: (toll-free) 1-877-458-5878

Or Write: Consumer Relations  
P.O. Box 19026  
Greenville, SC 29602-9026

Or Email: [www.uniroyal.com](http://www.uniroyal.com)

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## ⚠ **WARNING**

**Disregarding any of the safety precautions and instructions contained in this manual may result in tire failure or explosion causing serious personal injury or death.**

### **DRIVING ON ANY TIRE THAT DOES NOT HAVE THE CORRECT INFLATION PRESSURE IS DANGEROUS**

Any underinflated tire builds up excessive heat that may result in sudden tire destruction. For replacement tires, the correct inflation pressure will be provided by your tire retailer. If not, refer to the vehicle tire placard.

These are the minimum inflation pressures that must be maintained. However, do not exceed the maximum pressure rating indicated on the sidewall.

### **CHECK THE COLD INFLATION PRESSURE IN ALL YOUR TIRES, INCLUDING THE SPARE, AT LEAST ONCE EACH MONTH.**

**Failure to maintain correct inflation may result in improper vehicle handling and may cause rapid and irregular tire wear, sudden tire destruction and loss of vehicle control resulting in serious personal injury. Therefore, inflation pressures should be checked at least once each month and always prior to long distance trips. This applies to all tires, including sealant types, which are as susceptible to losing air**

pressure as any other type if not properly maintained.

**Pressures should be checked when tires are cold; in other words, before they have been driven on.** Driving, even for a short distance, causes tires to heat up and air pressure to increase.

### **CHECKING PRESSURE WHEN TIRES ARE HOT:**

If pressures are checked after tires have been driven for more than three minutes or more than one mile, the tires become hot and the pressures will increase by approximately 4 psi. Therefore, when the tire pressure is adjusted under these conditions, it should be increased to a gauge reading of 4 psi greater than the recommended cold inflation pressure.

**For Example Only:** Recommended cold inflation is 30 psi (which is considered to be 34 psi hot)

Gauge reading of hot tire was found to be 32 psi  
(32 psi hot - 4 psi = 28 psi actual cold pressure)

To achieve the 30 psi recommended cold pressure, inflate to 34 psi (30 psi cold + 4 psi), therefore add 2 psi

**Check the cold pressure as soon as possible, preferably within 24 hours. "Bleeding" air from hot tires could result in underinflation. Use an accurate tire gauge to check pressures. Never allow children to inflate or deflate tires.**

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### **TIRE SPINNING**

Do not spin wheels in excess of 35 MPH (55 km/h) as indicated on the speedometer. Excessive speed in a free-running, unloaded tire can cause it to "explode" from centrifugal force. The energy released by such an explosion is sufficient to cause serious physical injury or death. Never allow anyone to stand near or behind the spinning tire.

When in mud, sand, snow, ice, or other slippery conditions, do not engage in excessive wheel spin. Accelerating the motor excessively, particularly with automatic transmission vehicles, may cause a drive tire that has lost traction to spin beyond its speed capability. This is also true when balancing a drive tire/wheel on the vehicle using the vehicle engine to spin the tire/wheel assembly.

### **HIGH SPEED DRIVING CAN BE DANGEROUS**

**Correct inflation pressure is especially important.** However, at high speeds, even with the correct inflation pressure, a road hazard, for example, is more difficult to avoid and if contact is made, has a greater chance of causing tire damage than at a lower speed. Moreover, driving at high speed reduces the reaction time available to avoid accidents and bring your vehicle to a safe stop.

**If you see any damage to a tire or wheel, replace it with the spare at once and visit a participating Uniroyal® tire retailer.**

**Exceeding the maximum speeds shown in the following table for each type of Uniroyal® tire will cause the tire to build up excessive heat which can cause tire damage that could result in sudden tire destruction and rapid air loss. Failure to control a vehicle if a tire experiences sudden air loss can lead to an accident.**

**In any case, you should not exceed reasonable speeds as indicated by the legal limits and driving conditions.**

### **SPEED RATINGS**

SPEED SYMBOLS are shown on the sidewall of some Uniroyal® tires. The following table shows the maximum speed corresponding to the symbol.

SPEED Ratings	Maximum Speed	
	Km/hr	mph
M	130	81
N	140	87
P	150	93
Q	160	100
R	170	106
S	180	112
T	190	118
H	210	130
V	240	149
V*	240+	149+
W	270	168
Y	300	186
	300+	186+

**\* Some V (or VR) rated tires may have a speed capacity greater than 149 mph (240 km/h).**

Consult your participating Uniroyal® tire retailer for maximum speed rating if your vehicle capability exceeds this speed.

ZR\*\*  
↓

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**\*\* Z (or ZR) rated tires are designed for use on cars with maximum speed capabilities in excess of 149 mph (240 km/h).**

(W and Y speed ratings are sub-categories of Z).

Consult your Uniroyal® tire retailer for maximum speed capabilities.

Although a tire may be speed-rated, we do not endorse the operation of any vehicle in an unsafe or unlawful manner. Speed ratings are based on laboratory tests which relate to performance on the road, but are not applicable if tires are underinflated, overloaded, worn out, damaged, altered, improperly repaired or retreaded. Furthermore, a tire's speed rating does not imply that a vehicle can be safely driven at the maximum speed for which the tire is rated, particularly under adverse road and weather conditions or if the vehicle has unusual characteristics.

Uniroyal® highway passenger tires that do not have a speed symbol on the sidewall have a maximum speed rating of 105 mph.

Light truck highway tires that do not have a speed symbol on the sidewall of the tire have a maximum speed of 87 mph.

The speed and other ratings of retreaded tires are assigned by the retreader and replace the original manufacturer's ratings.

**IMPORTANT: In order to maintain the speed capability of the vehicle, replacement tires must have speed ratings equal to or higher than those fitted as original equipment (as indicated on the vehicle tire placard or in the owner's manual). If tires with lower speed ratings are fitted, the speed capability of the vehicle will be lowered to the maximum speed capability of the replacement tires as indicated in the speed ratings table on page 8.**

**REMEMBER...** High speed driving can be dangerous and may damage your tires.

**AND...**When driving at highway speeds, correct inflation pressure is especially important.

#### **INSPECT YOUR TIRES. DO NOT DRIVE ON A DAMAGED TIRE OR WHEEL**

##### **Hazards**

Driving over potholes, glass, metal, rocks, wood debris and the like, can damage a tire and should be safely avoided. Unavoidable contact with such hazards should prompt a thorough tire inspection. Any time you see any damage to your tires or wheels, replace with a spare at once and immediately visit any participating Uniroyal® tire retailer.

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#### **Inspection**

When inspecting your tires, including the spare, check air pressures. If the pressure check indicates that one of your tires has lost pressure of two pounds or more, look for signs of penetrations, valve leakage or wheel damage that may account for the air loss.

**Always look for bulges, cracks, cuts, penetrations and abnormal tire wear, particularly on the edges of the tire tread, which may be caused by misalignment or underinflation. If any such damage is found, the tire must be inspected by any participating Uniroyal® tire retailer at once. Use of a damaged tire could result in tire destruction.**

All tires will wear out faster when subjected to high speeds as well as hard cornering, rapid starts, sudden stops, frequent driving on roads which are in poor condition, and off road use. Roads with holes and rocks or other objects can damage tires and cause misalignment of your vehicle. When driving on such roads, drive carefully and slowly, and before driving again at normal or highway speeds, examine your tires for any damage such as cuts, bulges, penetrations, unusual wear patterns, etc.

#### **WEAR BARS**

Uniroyal® tires contain "Wear-Bars" in the grooves of the tire tread which show up when only 2/32nds of an inch (1.6mm) of tread is remaining. At this stage, tires must be replaced. Tires worn beyond this stage are dangerous

#### **DO NOT OVERLOAD; DRIVING ON ANY OVERLOADED TIRE IS DANGEROUS**

The maximum load rating of your tires is marked on the tire sidewall. Do not exceed this rating. Follow the loading instructions of the manufacturer of your vehicle and this will ensure that your tires are not overloaded. Tires which are loaded beyond their maximum allowable loads for the particular application will build up excessive heat that may result in sudden tire destruction.

Do not exceed the gross axle weight rating for any axle on your vehicle.

#### **TRAILER TOWING**

If you anticipate towing a trailer, you should see any participating Uniroyal® tire retailer for advice concerning the correct size of tire, and pressures. The size and pressures will depend upon the type and size of trailer and hitch utilized, but in no case should the maximum cold inflation pressure or tire load rating be exceeded. Check the vehicle placard and the owner's manual supplied by the manufacturer of your vehicle for further recommendations on trailer towing.

**WHEEL ALIGNMENT AND BALANCING ARE IMPORTANT FOR SAFETY AND MAXIMUM MILEAGE FROM YOUR TIRES.**

**CHECK HOW YOUR TIRES ARE WEARING AT LEAST ONCE EACH MONTH**

If your tires are wearing unevenly, such as the inside shoulder of the tire wearing faster than the rest of the tread, or if you detect excessive vibration, your vehicle may be out of alignment or balance. These conditions not only shorten the life of your tires but also adversely affect the handling characteristics of your vehicle, which could be dangerous. If you detect irregular wear or vibration, have your alignment and balance checked immediately. Tires which have been run underinflated will show more wear on the shoulders than in the center of the tread.

**TIRE MIXING**

Uniroyal® tires are radial tires and for best performance it is recommended that the same size and type of tire be used on all four wheel positions. In certain tires, casing ply material and ply construction may vary as indicated on the sidewall of the tire. All Uniroyal® tires of the same size and tread design and type of ply construction are fully compatible. Before mixing tires of different types in any configuration on any vehicle, be sure to check the vehicle owner's manual for its recommendations.

It is particularly important to check the vehicle manufacturer's owner's manual when mixing, matching or replacing tires on 4-wheel-drive vehicles as this may require special precautions.

**WINTER DRIVING**

Tires which meet the Rubber Manufacturers Association (RMA) definition of snow tires are marked M/S, M+S, or M&S. On such tires, this designation is molded into the sidewall. Tires without this notation are not recommended for winter driving.

**While All-Season tires are designed to provide reliable performance in some winter conditions, the use of four (4) winter tires is recommended for optional performance. Tires designated for use in severe winter conditions are marked on with at least one sidewall with the letter "M" and "S" plus a pictograph of a mountain with a snowflake on it.**



**TIRE ROTATION**

To obtain maximum tire wear, it may be necessary to rotate your tires. To remain in compliance with the terms and conditions of all applicable Uniroyal® Treadlife Limited Warranties, you must have your tires rotated every 7,500 miles and be able to document each rotation. A page for documenting dates and mileage at the time of rotation is provided at the back of this brochure.

Monthly inspection for tire wear is recommended. Your tires should be rotated at the first sign of a difference in tread depth between front and rear tires. If any irregular wear is found, the cause must be corrected to prevent further excessive wear. This is true for all vehicles. Refer to the vehicle owner's

manual for instructions on tire rotation. If you do not have an owner's manual for your vehicle, Uniroyal® recommends rotating your tires every 6,000 to 8,000 miles.

When rotating tires with a directional tread pattern, observe the arrows molded on the sidewall which show the direction in which the tire should turn. Care must be taken to maintain the proper turning direction of rotation.

As a general rule, whenever only two tires are replaced, the new tires should be put on the rear axle.

**CUSTOMIZATION OF TIRES, WHEELS, OR SUSPENSION ON SUVs AND LIGHTS TRUCKS**

Due to their size, weight and higher center of gravity, vehicles such as SUVs and light trucks do not have the same handling characteristics as automobiles. Because of these differing characteristics, failure to operate your SUV/truck in a proper and safe manner can increase the likelihood of vehicle rollover. Modifications to your SUV/truck tire size, tire type, wheels or suspension can change its handling characteristics and further increase the likelihood of vehicle rollover. Whether your SUV/truck has the original equipment configuration for tires, wheels and suspension or whether any of these items have been modified, always drive safely, avoid sudden, sharp turns or lane changes and obey all traffic laws. Failure to do so may result in loss of vehicle control leading to an accident and serious injury or death.

**TIRE ALTERATIONS**

Do not make or allow to be made any alteration to your tires. Alterations may prevent proper performance, leading to tire damage which can result in an accident. Tires which become unserviceable due to alterations such as truing, whitewall inlays, addition of balancing or sealant liquids or the use of tire dressings containing petroleum distillates, are excluded from warranty coverage.

**REPAIRS - WHEREVER POSSIBLE, VISIT ANY UNIROYAL® TIRE RETAILER AT ONCE**

If any Uniroyal® tire sustains a puncture, have the tire demounted and thoroughly inspected by a participating Uniroyal® tire retailer for possible damage that may have occurred.

A tread area puncture in any Uniroyal® passenger or light truck tire can be repaired provided that the hole is not more than 1/4" in diameter, not more than one radial cable per casing ply is damaged, and the tire has not been damaged further by the puncturing object or by running underinflated. Tire punctures consistent with these guidelines can be repaired by following the Rubber Manufacturers Association (RMA) recommended repair procedures. If damage exceeds these guidelines, the tire must be replaced.

Plug-only repairs done on-the-wheel are considered improper and therefore, not recommended. Such repairs are not reliable and may cause further damage to the tire.

### **Repairs - Uniroyal® Tires with NailGard® and Royal Seal®**

Uniroyal® tires with NailGard® and Uniroyal® Royal Seal® tires are made with a sealant material in the tread area of the inner liner. This sealant will minimize the likelihood of a tire coming out of service due to a tread area puncture by an object 3/16 of an inch in diameter or smaller. If, for any reason, a puncture in the tread area of a Uniroyal® with NailGard® or Uniroyal® Royal Seal® tire does not seal completely, have the tire inspected internally by any participating Uniroyal® tire retailer and, if necessary, properly repaired or replaced.

If the tire has a puncture in the tread which exceeds the limits of the puncture sealant or which exceeds the limits listed above, or if more than one radial cable per casing ply is damaged, the tire has been damaged further by the puncturing object or by running underinflated, the tire must be replaced.

### **STORAGE**

Tires contain waxes and emollients to protect their outer surfaces from ozone and weather checking. As the tire rolls and flexes, the waxes and emollients continually migrate to the surface, replenishing this protection throughout the normal use of the tire. Consequently, when tires sit outdoors, unused for long periods of time (a month or more) their surfaces become dry and susceptible to ozone and weather checking, and the casing becomes susceptible to flat spotting. For this reason, tires should always be stored in a cool, dry, clean, indoor environment. If storage is for one month or more, eliminate the weight that the tires support by raising the vehicle or by removing the tires from the vehicle.

Failure to store tires in accordance with these instructions could result in damage to your tires or premature aging of the tires and sudden tire failure.

When tires are stored, be sure they are placed away from sources of heat and ozone such as hot pipes and electric generators. Be sure that surfaces on which tires are stored are clean and free from grease, gasoline and other substances which could deteriorate the rubber. **(Tires exposed to these materials during storage or driving could be subject to sudden failure.)**

### **FOLLOW THESE MOUNTING RECOMMENDATIONS**

Tire changing can be dangerous and must be done by professionally trained persons using proper tools and procedures as specified by the Rubber Manufacturers Association (RMA).

Your tires should be mounted on wheels of the correct size and type which are in good, clean condition. Bent, chipped or rusted wheels may cause tire damage. The inside of the tire must be free from foreign material. **Have your tire retailer check the wheels before mounting new tires.**

Mismatched tires and rims can explode during mounting. Also, mismatched tires and rims can result in dangerous tire failure on the road. If a tire is mounted by error on the wrong-sized rim, do not remount it on the proper rim — scrap it. It may have been damaged internally (which is not externally visible) by having been dangerously stretched, and could fail on the highway.

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**Old valves may leak. When new tubeless tires are mounted, have new valves of the correct type installed. Tubeless tires must be mounted only on wheels designed for tubeless tires, i.e., wheels which have safety humps or ledges.**

It is recommended that you have your tires and wheels balanced. Tires and wheels which are not balanced may cause steering difficulties, a bumpy ride and irregular tire wear. Be sure that all your valves have suitable valve caps. The valve cap is the primary seal against air loss.

### **TEMPORARY SPARE TIRES**

When using any temporary spare tire, be sure to follow the vehicle manufacturer's instructions.

**FAILURE TO OBSERVE ANY OF THE RECOMMENDED PRECAUTIONS CONTAINED IN THIS OWNER'S MANUAL CAN LEAD TO ERRATIC VEHICLE BEHAVIOR AND/OR TIRE DAMAGE POSSIBLY RESULTING IN AN ACCIDENT.**

You should have complete confidence in your new Uniroyal® tires. Still, it's important to register your tires in the event that we need to contact you. For online tire registration, visit [www.uniroyal.com](http://www.uniroyal.com)