

OWNER'S MANUAL

UHP SUMMER TIRES

Rubber compounds formulated for ultra-high performance summer tires can lose flexibility and may develop random surface cracks at temperatures below 7° Celsius. Therefore, extra care should be used in handling tires below this temperature. These compounds are optimized for maximum dry and wet performance in warm conditions. Special tread compounds in these tires will have decreased performance, such as lateral and braking traction, at temperatures below 7° Celsius or when driving on snow or ice. Therefore, it is recommended to install winter tires in these conditions.

WINTER TIRES AND ALL WEATHER TIRES

Standard tires (summer/all-season) may be effective in light snow conditions. However, for winter use, you should install winter tires or all weather tires i.e. ones with the Three Peak Mountain Snowflake(3PMSF) symbol. During winter use, Radar Tires strongly recommends the fitment of 4 winter tires or 4 all weather tires. Please check your vehicle's owner manual concerning winter tire size recommendation. If the winter tires have a lower speed rating than the original equipment tires, vehicle handling may be affected, and the vehicles maximum speed must be reduced to the winter tire speed rating. Radar Tires strongly recommends that studded tires be installed on all four positions. Installing studded tires only on the front positions of any vehicle, including a front wheel drive vehicle, may cause adverse handling characteristics.

RUN-FLAT TIRES

Always refer to the vehicle owners' manual with respect to specific safety and operating information relating to the vehicle. Damaged Run-flat tires or Run-flat tires that have experienced a loss of pressure should immediately be replaced with another Run-flat tire of identical size and Service Description (Load Index and Speed Symbol). Run-Flat tires have been developed based on the specifications of the vehicles on which they are mounted. Accordingly, Run-Flat tires may only be mounted on vehicles specifically manufactured to accommodate Run-Flat tires. Run-Flat tires must be mounted in conjunction with a functional Tire Pressure Monitoring System (TPMS). The mounting of tires and installation of the Tire Pressure Monitoring System (TPMS) should be carried out by an authorized dealer.

TIRE REPLACEMENT

The tires fitted to your vehicle as original equipment were tested and approved by the vehicle manufacturer and the tire manufacturer and take into account all aspects of the vehicle's operation. Changes in the tire size, type or construction should not be made without seeking advice from the vehicle or tire manufacturer or an authorized Radar Tires dealer since unapproved tires on your vehicle could adversely affect steering, handling, braking and traction. The tire information (tire size, load index and speed symbol) as found on the vehicle placard or in the owner's manual should always be followed when replacing tires. It is strongly recommended that tires be mounted in sets of four with the same tread type. Our tires should not be mixed with other tire brands. It is necessary to follow this procedure because different tire constructions have different handling characteristics. Tires on the same axle must be the same manufacturer, brand, tire size, load index, speed rating and part number. When changing only two tires on a vehicle which is homogeneously fitted (four tires of the same tire size), fit the new tires on the rear axle. This applies to all vehicles regardless of their drive axle. (Front or Rear Drive). On all wheel drive or four-wheel drive vehicles the tires must always be replaced in sets of four. When replacing tires on light truck vehicles, you should always follow the vehicle manufacturer's recommendations. Passenger and light truck tires are not interchangeable, due to differences in their pressures and load carrying capacity.

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P-Metric and Euro-metric Interchangeability: Euro-metric (Example: 225/45R17) tires have a load index which is equal to or greater than that of the same size P-metric (Example: P225/45R17) tire. Therefore, they have the same or higher load carrying capacity at the maximum rated inflation pressure. Always check with your tire dealer to be sure of the exact interchangeability to maintain proper vehicle dynamics. Please be aware that it is important that, before fitting the suggested tires, the fitment is allowed according to the vehicle handbook/technical specification of the vehicle, and any relevant homologations/regulation requirements. Radar Tires does not express any view as to the compatibility of the wheel/tire combination with the technical specifications for the chassis and vehicle. To maintain proper vehicle dynamics and load carrying capacity, replacement tires must always have a load index and speed symbol equal to or greater than those fitted as original equipment. When making plus size fitments, you should consult with the dealer regarding any suspension or braking system modifications which may be recommended for the vehicle.

TIRE INSPECTION

As a minimum, tires (including the spare tire) should be examined and air pressure checked monthly and always prior to long trips. They should also be examined if you strike any unusual object on the road. Tires showing bulges, cracks, cuts, penetrations or uneven wear must be dismantled and examined by an authorized Radar Tires dealers and replaced if necessary. Our tires have tread wear indicators in the tread grooves which show up when the remaining tread depth has worn down to approx. 1.6mm (2/32"). At this point, your tires must be replaced because they are illegal and dangerous. The mere passage of time (age) does not cause tires to deteriorate, but rather exposure to outside forces. Such outside forces can include, but are not limited to: road hazards, punctures, improper repairs, misalignment, under inflated operation, over inflated operation, excessive heat caused by over-deflected operation, over-loaded operation, excessive exposure to ozone, improper storage conditions, etc. Tire companies can only have an impact on a few of these exposures. Tire companies add antioxidants and antiozonants (anti-degradation compounds) to minimize degradation. Radar Tires believes that since there is no way to accurately predict what outside forces a tire will be exposed to, there is no scientifically supportable age limit that can be set for tires. To avoid cosmetic damage, use a mild soap solution to clean sidewalls and rinse off with low-pressure tap water. Never apply cleaners or dressings to enhance sidewall appearance to avoid removal of antioxidants/antiozonants which are intended to prevent oxygen/ozone degradation. The removal of antioxidants/antiozonants may degrade the rubber and can lead to sidewall cracking. Use of high-pressure sprayers (pressure washers) may cause sidewall damage.

TIRE ROTATION

Radar Tires recommends that you follow the tire rotation procedure as defined in your vehicle owner's manual. If there is no procedure, Radar Tires recommends tire rotation every 8,000 to 10,000 km (5,000 to 7,000 miles) to optimize your tire wear.

TIRE REPAIR

Punctures caused by nail holes, glass or other cuts located in the tread area of our radial tires may be repaired if the diameter does not exceed 5mm (1/5"). The repair material used must seal the inner liner and fill the injury to be considered a permanent repair. Rubber Manufacturers Association and industry approved repair methods include a combination of plug and patch; chemical or hot vulcanizing patches, and head type plugs, all applied from inside the tire. A self-vulcanizing plug repair may be used only in conjunction with a patch repair, but not by itself. Plugs may cause further damage to the tire, they are not always airtight and the plug may fail. If a tire puncture exceeds 5mm (1/5") or is located in the shoulder or sidewall

deflection areas, the tire must be replaced. Never resort to tubes (in tubeless tires) or sleeves or large thick patches which can upset the balance and may result in a sudden failure at highway speeds and high operating temperatures.

Radarr Tires does not endorse:

- The use of tire sealants in tires to repair, even temporarily, a puncture;
- The repairing of V, W, Y or Z Speed Rated tires;
- The repairing of Run-Flat tires.

WARNING: Driving on an improperly repaired tire is dangerous, as the tire can suddenly fail, which can lead to an accident and serious personal injury or death.

STORAGE

Should you need to store tires after removal from a vehicle (as in the case of winter tires), they should be stored in a cool, dark, dry place. To protect your tires from damage related to: heat, water, ozone and direct sunlight, it is suggested you place them in opaque, waterproof containers (e.g., black plastic bags).

TUBES IN TUBELESS TIRES

Under no circumstances are tubes to be used in our tires marked "Tubeless". This includes tires that have been repaired. If the tire's pressure retention ability has been affected, so as to necessitate a tube being installed, the tire must be replaced.

TIRE VALVES

Whenever new tires are installed on your wheels, new tire valves of the correct type must be installed. During your routine tire inspection, verify that all your valves have proper valve caps. Replace as necessary, since the valve cap is also a seal against pressure loss.

TIRE DISMOUNTING AND MOUNTING

Tire fitting must be carried out by tire-fitting professionals who have the proper tools and equipment to perform the task correctly and safely. Your tires should be mounted or dismounted, or inflated using ETRTO/JATMA/Rubber Manufacturers Association procedures or the vehicle manufacturers' recommendations. Your wheels should be in good, clean condition. Wheels should be inspected for distortion, dents, cracks, rust and foreign matter, and be replaced as necessary. Never exceed 40 PSI when seating beads.

TIRE/WHEEL ALIGNMENT AND BALANCING

Tire/Wheel alignment specifications are issued by your vehicle manufacturer and your vehicle must be kept within these tolerances. You should have your alignment checked annually or whenever you notice any irregular wear or vibrations. Tire/Wheel assemblies should be balanced each time a tire is fitted to a wheel. Tire/Wheel alignment and balancing are important for safety and maximum performance and mileage from your tires.

