

RECREATIONAL VEHICLE TIRE AND CARE GUIDE



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### **GOODYEAR® RV TIRES**

#### Ready to write your next adventure? Goodyear tires can help you!

For millions of free-wheeling recreation seekers each year, the adventure of a lifetime is just around the next corner. And as many of them have already found out, when they ride on Goodyear tires, they ride with greater comfort.

Goodyear manufactures tires for virtually every RV. Our accumulated experience in engineering and product development is applied to every product we manufacture. So when you hit the road, you have quality performance from your tires.

We invite you to use this brochure to find a great selection of tires and valuable maintenance tips for your RV, pick-up, fifth-wheel or trailer. For further information, you can also visit www.goodyear.com/rv.



### TIRE INFLATION PRESSURE

#### The Big Five of RV tire care.

Adventure is calling and you don't want to miss a minute of it! In the pages ahead, you'll find suggestions on how to take care of your Goodyear tires so that you can count on many miles of consistent performance.

To help make regular tire maintenance and service simple, here are five key areas:

- 1. Regularly inspect your tires for damage.
- 2. Keep your tires properly inflated in order to maximize performance.
- 3. Make sure your Gross Vehicle Weight does not exceed the Gross Vehicle Weight Rating. (See vehicle owner's manual.)
- 4. Make sure the load on your tires is evenly distributed.
- 5. Have your tire and wheel maintenance performed regularly.

#### Tire Inflation

Improper tire inflation can cause problems for tires.

Underinflating your tires can cause poor handling, fast and/ or irregular wear, decreased fuel economy and permanent structural damage to the tire. Overinflating can reduce traction, braking ability and handling, as well as result in uneven wear and an uncomfortable ride. Also note, checking all tires is necessary. While dual mounted tires are difficult to check, the inside tire must be properly maintained as much as the outside tires so loads are properly distributed and the integrity and performance of both tires are maintained.

#### When to check your RV or trailer tire pressure:

- Before and after storing your vehicle
- On long trips, every morning
- On short trips, before you leave and when you return home
- · At least once per month while the vehicle is in storage

#### How to check your tire pressure:

- Tire pressure should be checked when your tires are cold and haven't been driven more than one mile. The load capacity for a given cold inflation pressure is based on ambient outside temperatures. The pressure in a hot tire may be as much as 10 to 15 psi higher than the cold tire pressure. That means you'll only get an accurate reading when you check your tires when they're cold.
- To ensure your tire pressure readings are accurate, Goodyear recommends that you use a quality truck tire gauge with a dual-angled head. This way, you can check inner and outer dual wheels at the same time.
- Do NOT bleed air from hot tires.
- Inflation pressure should be adjusted to the tire carrying the heaviest load, and all tires on the axle should have the same inflation pressure.
- Use proper sealing metal valve caps or quality flow-through valve caps.
- Tires that have lost more than 20% of their recommended inflation pressure should be considered flat.
- Flat tires should be professionally inspected and repaired or replaced by a Goodyear Retailer.

### WEIGHING THE RECREATION VEHICLE

#### The effects of temperature and atmospheric pressure.

Air temperature and atmospheric pressure effect tire inflation pressure. If the outside temperature increases 10°F, tire inflation pressure increases approximately 2%. Conversely, when the outside temperature drops 10°F, the tire inflation pressure lowers approximately 2%.

Tire inflation pressure increases approximately .48 psi for every 1,000 feet of altitude due to changes in atmospheric pressure. On the other hand, tire inflation pressure will decrease approximately .48 psi for every 1,000-foot decrease in altitude. In other words, if there are changes in temperature or altitude during your trip, it's important to check your tire inflation more frequently.

#### How much air is enough?

The proper air inflation for your tires depends on how much your fully loaded RV or trailer weighs. Look at the sidewall of your RV tire and you'll see the maximum load capacity for the tire size and load rating, as well as the minimum cold air inflation, needed to carry that maximum load. [See load inflation charts on pages 9-11.]

### UNDERSTANDING GROSS VEHICLE WEIGHT AND GROSS VEHICLE WEIGHT RATINGS How to weigh your RV or trailer to determine proper tire inflation.

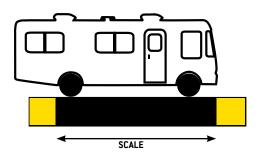
To get an accurate weight, your RV or trailer must be fully loaded with the items you're taking on your trip, including food, clothing, water, fuel, pets, supplies, people, towed vehicles or other items. This will give you the vehicle's Gross Vehicle Weight (GVW). The GVW must not exceed the Gross Vehicle Weight Rating (GVWR) established by the chassis manufacturer as the maximum weight that the chassis and its components can support. If the GVW does exceed the GVWR, you must remove some items from the vehicle and weigh it again. You can find the GVWR for your RV or trailer in the vehicle owner's manual.

Goodyear also recommends weighing each wheel position of your vehicle. Just because your vehicle meets the GVWR, it may still be overloaded on an axle. The Gross Axle Weight (GAW) must not exceed the Gross Axle Weight Rating (GAWR). The GAWR is the maximum weight that an axle can support. A loaded axle may be within its rating, but could possibly still be overloaded on one side. Equal distribution of load is important to ensure that your tires are not overloaded. Make sure you consult your vehicle owner's manual for the proper GAWR for your RV or trailer.

#### **WEIGHING YOUR VEHICLE**

#### There are three basic types of vehicle scales:

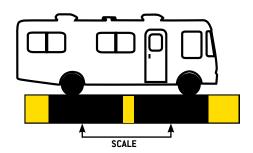
Platform scales are usually long enough to weigh your entire vehicle at one time. Suggested steps:



- 1. Drive onto the scale so that only your front axle is on the platform. The rear end of the scale needs to be midway between your front and rear axles. Record the weight.
- 2. Pull forward until your entire vehicle is on the scale. Record the weight.
- 3. Pull forward again until only your rear axle is on the scale. Record the weight.
- 4. If your RV has a rear tag axle, drive forward so that only the tag axle is on the scale. Record the weight.
- 5. For individual wheel position weights, repeat steps 1 through 4, positioning only one side of your vehicle on the scale with the vehicle centered over the side of the scale. (See diagram.) Record the weights.
- 6. To determine the opposite wheel position weights, subtract the weights recorded in step 5 from the weights recorded in steps 1 through 4. If you are not towing a vehicle, the tag axle weight from 4 will be the actual weight on the tag axle.
- 7. If you are towing a vehicle, its weight should be combined with the GVW so that the total weight doesn't exceed the GCWR (Gross Combined Weight Rating).

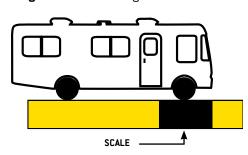
### WEIGHING THE RECREATION VEHICLE

**Segmented platform scales** feature segmented sections and can offer individual axle weights and total vehicle weights at the same time if your vehicle is properly positioned. Suggested steps:



- 1. Drive your vehicle onto the scales so that each axle is centered as much as possible on the segments. Record the weight.
- 2. Position your vehicle so that only one side is on the scale now and center it on the segment as much as possible.
- 3. Subtract the wheel position weights from the total axle weights. This will determine the unweighed wheel position weights.

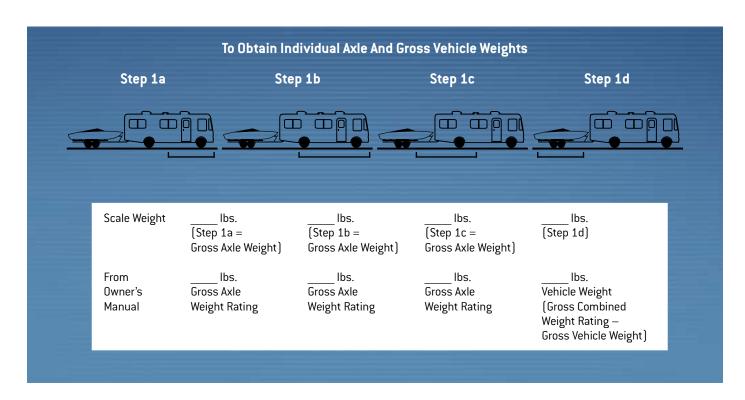
Single-axle scales weigh one axle at a time. Suggested steps:



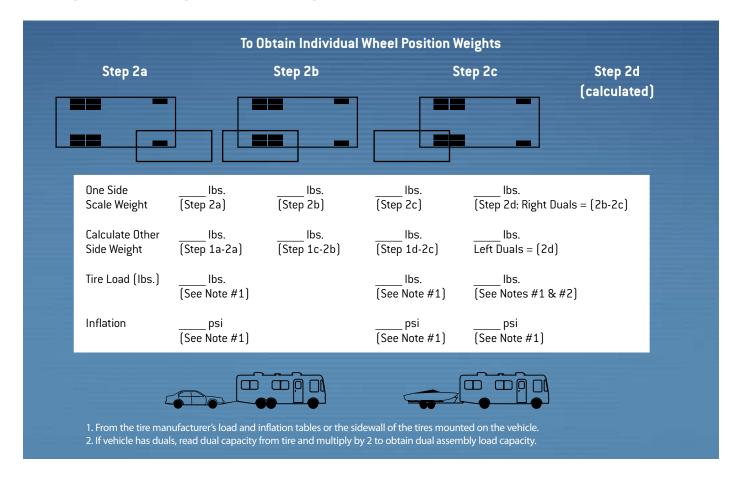
- 1. Pull your front axle onto the scale. Stop long enough for the weight to be recorded.
- 2. Drive your vehicle forward until the rear axle is on the scale.
- 3. To determine your gross vehicle weight, add the two axle weights together.
- 4. For individual wheel position weights, repeat this process with only one side of your RV on the scale.

Note: Although the weight of the total axle may be within the axle rating, one side might still be overloaded and that means an overloaded wheel position. It's for this reason that side-to-side weighing is required.

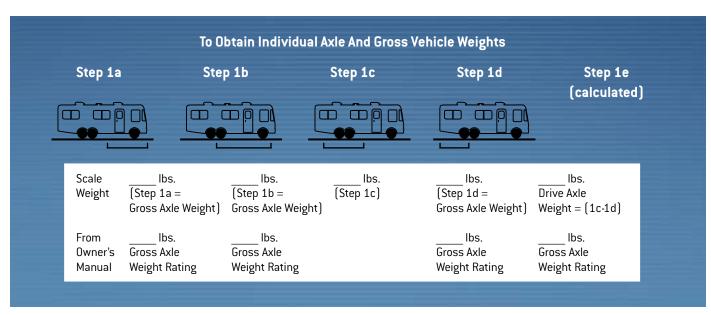
## WEIGHING THE SINGLE-AXLE RECREATION VEHICLE



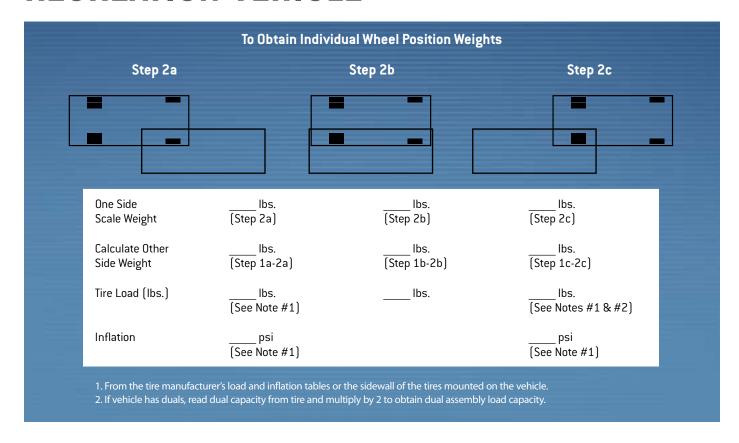
## WEIGHING THE TANDEM-AXLE RECREATION VEHICLE



# WEIGHING THE TANDEM-AXLE RECREATION VEHICLE



# WEIGHING THE SINGLE-AXLE RECREATION VEHICLE



### LOAD/INFLATION INFORMATION

#### What you should know about tire load and inflation.

The recommended maximum inflation pressures for your tires are indicated on the certification label or in your owner's manual. Because RVs can be loaded with many different configurations, the load on each tire will vary. For this reason, actual air pressure required should be determined based on the actual load on each individual tire. Inflation pressure should be adjusted to handle the tire carrying the heaviest load, and all tires on the axle should be adjusted to this pressure.

Each manufacturer provides load and inflation tables specific to its products to help you determine the correct tire inflation pressure for your vehicle's loading.

TIRE LOAD LIMITS (LBS) AT VARIOUS COLD INFLATION PRESSURES (PSI)
HIGHWAY TRAILER TREAD DESIGNS USED IN NORMAL HIGHWAY SERVICE\*

TIRE SIZE	MAX SPEED						INF	LATION PF	RESSURE - I	PSI					
TINE SIZE	RATING (MPH)	15	20	25	30	35	40	45	50	55	60	65	70	75	80
ST175/80R13	65	670	795	905	1000	1100(B)	1190	1270	1360(C)						
ST185/80R13	65	740	870	990	1100	1200(B)	1300	1400	1480(C)						
ST205/75R14	65	860	1030	1170	1300	1430(B)	1530	1640	1760(C)						
ST215/75R14	65	953	1110	1270	1410	1520(B)	1660	1790	1870(C)						
ST205/75R15	65	905	1070	1220	1360	1480(B)	1610	1720	1820(C)						
ST225/75R15	65	1060	1260	1430	1600	1760	1880	2020	2150(C)	2270	2380	2540(D)			
ST235/80R16	65			1720	1920	2090	2270	2430	2600	2730	2870	3000(D)	3140	3260	3420(E)

<sup>\*</sup>The Goodyear Tire & Rubber Company periodically updates its product information.

For the most current information, please visit the RV Tire section of Goodyear's website at www.goodyear.com/rv.

### LOAD/INFLATION INFORMATION

TIRE LOAD LIMITS (LBS) AT VARIOUS COLD INFLATION PRESSURES (PSI)
HIGHWAY STEER AND ALL-POSITION TREAD DESIGNS USED IN NORMAL HIGHWAY SERVICE\*

	SINGLE							INF	ATION PR	ESSURE -	- PSI						
TIRE SIZE	(S) Dual (D)	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110
LT215/75R15	S D	1345 1225	1475 1340	1600 1455	1765(C) 1610(C)		1960 1785	2095(D) 1930(D)									
LT235/75R15	S D	1530 1390	1680 1530	1825 1660	1985(C) 1820(C)	2100 1910		2335(D) 2150(D)									
LT225/75R16	S D	1500 1365	1650 1500	1790 1630	1940(C) 1765(C)	2060 1875		2335(D) 2150(D)		2560 2330	2680(E) 2470(E)						
LT245/75R16	S D	1700 1545	1865 1695	2030 1845	2205(C) 2006(C)	2335 2125		2623(D) 2381(D)		2900 2640	3042(E) 2778(E)						
LT215/85R16	S D	1495 1360	1640 1490	1785 1625	1940(C) 1765(C)	2050 1865		2335(D) 2150(D)	2430 2210	2550 2320	2680(E) 2470(E)						
LT235/85R16	S D	1700 1545	1870 1700	2030 1845	2205 2006	2335 2125		2623(D) 2381(D)		2905 2645	3042(E) 2778(E)	3170 2885	3300 3005	3415 3085	3550 3230	3675 3345	3750(G) 3415(G)
7.50R16LT	S D	1620 1430	1770 1565	1930 1690	2040(C) 1820(C)	2190 1930		2470(D) 2150(D)	2560 2245	2670 2345	2755(E) 2470(E)						
8.75R16.5LT	S D						2240 1970	2405 2095	2470 2175	2570 2260	2680(E) 2405(E)						

<sup>\*</sup>The Goodyear Tire & Rubber Company periodically updates its product information.

### TIRE LOAD LIMITS (LBS) AT VARIOUS COLD INFLATION PRESSURES (PSI) TRAILER DESIGNS USED IN NORMAL HIGHWAY SERVICE\*

	MAX	SINGLE					II	NFLATION PR	ESSURE – P	SI				
TIRE SIZE	SPEED RATING (MPH)	(S) DUAL (D)	70	75	80	85	90	95	100	105	110	115	120	125
215/75R17.5	75	S D					3695 3490	3860 3645	4020 3800	4180 3950	4340 4100	4495 4245	4650 4395	4805(H) 4540(H)

<sup>\*</sup>The Goodyear Tire & Rubber Company periodically updates its product information.

For the most current information, please visit the RV Tire section of Goodyear's website at www.goodyear.com/rv.

### TIRE LOAD LIMITS (LBS) AT VARIOUS COLD INFLATION PRESSURES (PSI) HIGHWAY STEER AND ALL-POSITION TREAD DESIGNS USED IN NORMAL HIGHWAY SERVICE\*

	MAX	SINGLE					INFLAT	ION PRESSUR	E – PSI				
TIRE SIZE	SPEED RATING (MPH)	(S) DUAL (D)	70	75	80	85	90	95	100	105	110	115	120
8R19.5	75	S D	2540 2460	2680 2610	2835 2755	2955 2865	3075 2975	3195 3085	3305 3195	3415 3305	3525(F) 3415(F)		
225/70R19.5	75	S D	2895 2720	3040 2860	3195 3000	3315 3115	3450 3245	3640(F) 3415(F)	3715 3490	3845 3615	3970(G) 3750(G)		
245/70R19.5	75	S D	3640 3415	3740 3515	3890 3655	4080(F) 3970(F)	4190 4115	4335 4265	4540(G) 4410(G)				
245/70R19.5†	75	S D			3640 3415	3740 3515	3890 3655	4080(F) 3970(F)	4190 4115	4335 4265	4540(G) 4410(G)		
265/70R19.5	75	S D			3970 3750	4180 3930	4355 4095	4540 4300	4685 4405	4850 4560	5070 4805	5170 4860	5355(G) 5070(G)

<sup>\*</sup>The Goodyear Tire & Rubber Company periodically updates its product information.

For the most current information, please visit the RV Tire section of Goodyear's website at www.goodyear.com/rv.

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<sup>†</sup>Tires produced after 2/28/06

### LOAD/INFLATION INFORMATION

TIRE LOAD LIMITS (LBS) AT VARIOUS COLD INFLATION PRESSURES (PSI)
HIGHWAY STEER AND ALL-POSITION TREAD DESIGNS USED IN NORMAL HIGHWAY SERVICE\*

	MAX	SINGLE					II	NFLATION PR	ESSURE – PS	SI				
TIRE SIZE	SPEED RATING (MPH)	(S) Dual (D)	70	75	80	85	90	95	100	105	110	115	120	125
255/70R22.5	75	S D			4190 3970	4370 4110	4550 4275	4675 4410	4895 4455	5065 4610	5205 4675	5400 4915	5510(H) 5070(H)	
275/70R22.5	75	S D				5170 4770	5400 4980	5630 5180	5850 5390	6070 5590	6290 5800	6510 6000	6730 6200	6940(H) 6395(H)
245/75R22.5	75	S D	3470 3260	3645 3425	3860 3640	3980 3740	4140 3890	4300 4080	4455 4190	4610 4335	4675(G) 4410(G)			
265/75R22.5	75	S D	3875 3525	4070 3705	4300 3860	4440 4040	4620 4205	4805 4410	4975 4525	5150 4685	5205 (G) 4805 (G)			
275/80R22.5	75	S D					5500 5080	5745 5305	5985 5530	6225 5750	6460 5965	6700 6185	6930 6400	7160(H) 6610(H)

<sup>\*</sup>The Goodyear Tire & Rubber Company periodically updates its product information.

For the most current information, please visit the RV Tire section of Goodyear's website at www.goodyear.com/rv.

	MAX	SINGLE					I	NFLATION PR	RESSURE – PS	SI				
TIRE SIZE	SPEED RATING (MPH)	(S) Dual (D)	75	80	85	90	95	100	105	110	115	120	125	130
295/80R22.5	75	S D		5480 4855	5750 5100	6020 5335	6285 5570	6550 5805	6810 6035	7070 6265	7320 6490	7580 6720	7830(H) 6940(H)	
315/80R22.5	75	S D			6415 5840	6670 6070	6940 6395	7190 6540	7440 6770	7610 6940	7920 7210	8270 7610	8680 7940	9090(L) 8270(L)
11R24.5	75	S D		5310 5070	5550 5260	5840 5510	6095 5675	6350 5840	6610(G) 6005(G)	6790 6205	6970 6405	7160(H) 6610(H)		

<sup>\*</sup>The Goodyear Tire & Rubber Company periodically updates its product information.

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## PROPER LOAD DISTRIBUTION Why maintaining an evenly distributed load is so important.

Maintaining a proper and evenly distributed load in your RV or trailer doesn't just help you determine the proper inflation of your tires, it's also essential to the performance of your tires and your vehicle.

#### A proper, even load can help:

- Enhance handling
- Improve fuel economy
- Prevent irregular tire wear
- Maintain braking ability
- Extend the life of your tires
- Protect major RV or trailer components from excessive wear



### **RV TIRE CARE**

#### Tire and wheel maintenance.

To optimize tire performance, the weight of the tire and wheel assembly must be distributed uniformly around the tire's circumference. Out-of-balance tires tend to cup and wear excessively at the heavy spot.

You should have wheel balancing performed:

- When new tires are mounted.
- When a tire and wheel are moved to another position.
- After a flat repair.
- Any time a tire is dismounted and removed.

#### Tire rotation patterns.

Every RV and trailer is unique, so consult your vehicle owner's manual for rotation recommendations for your vehicle. If the tires on your vehicle show uneven wear, ask your Goodyear Retailer to check for and fix any misalignment, imbalance or other mechanical problems before rotating the tires.

#### Wheel alignment.

Proper wheel alignment is essential to maintaining even treadwear. Normal wear of moving parts in a suspension system can result in misalignment, which can cause scuffing and rapid, uneven wear in your tires.



Toe wear — If you notice a feathered wear pattern on your front tires, they may be misaligned (toe-in or toe-out). Excessive toe-in results in outside edge wear. Excessive toe-out results in inside edge wear. A radial tire might not show this kind of wear unless the condition is severe. Should this be the case, your tire will show wear on the inside or outside shoulder, rather than feathered edge wear. (This is sometimes confused with camber wear.) With three-axle RVs, a skewed rear axle and tag could cause feathered edge wear on one shoulder of one front tire and feathered edge wear on the opposite shoulder of the other front tire. To accurately pinpoint what kind of tire wear you have, check the alignment on all wheel positions of your motor home.



Camber wear — Also referred to as edge wear, camber wear appears on the inside or outside shoulders of the tire tread. Excessive positive camber results in smooth wear patterns on the outer half of the tread. Excessive negative camber results in smooth wear patterns on the inner half of the tread. Excessive scrub can result in both inside and outside steer axle tire wear patterns. For solid beam axles, excessive camber can be a symptom of axle overload.

### **RV TIRE CARE**

#### **RV TIRE CARE**

Tires used on RVs are typically subjected to a greater variety of service conditions than automobiles, light trucks and trucks – often at or near maximum loads and during hot weather. Many RVs are out of service for long periods of time. It is important to maintain the RV and its tires in good operating condition.

#### Routine tire inspections

Goodyear, the tire industry, the automobile industry, the National Highway Traffic Safety Administration (NHTSA) and Transport Canada have long emphasized the consumers' role in the regular care and maintenance of tires, including decisions regarding removal of tires. That is why it is recommended to have tires, including spare tires, inspected regularly. You should inspect your tires at least monthly and before each trip for proper inflation pressure and treadwear and you should supplement this with recurring rotation, balancing and alignment services.

It's also a good idea to have your tires inspected after you drive on rugged, rocky terrain or when you take your RV in for service. Have the Retailer check both sidewalls, the tread area, valves, caps and any valve extensions. Your tires should be checked for nails, cuts, bulges, cracks and weathering, as well as objects lodged between the duals. The inside of your tires should also receive visual inspection for indications of over-deflection from overload conditions or underinflation.

#### Storing your vehicle properly helps protect your tires.

- Keep your vehicle in a cool, dry storage area out of direct sunlight and UV rays.
- Unload your vehicle so that minimum weight is on the tires.
- Inflate your tires to recommended operation pressure plus 25%, but don't exceed the rim manufacturer's inflation capacity.
- Thoroughly clean your tires with soap and water before storing them to remove any oils that may have accumulated from the road.
- Move your vehicle at least every three months to help prevent cracking and flat-spotting, but avoid moving it during extremely cold weather.
- Place your vehicle on blocks to remove the weight from the tires. If the vehicle can't be put on blocks, make sure the storage surface is firm, clean, well-drained and reasonably level.



### **RV TIRE CARE**

#### Cleaning your RV tires.

Goodyear RV tires do not need dressings, appearance products or covers to help protect them. In fact, using products that contain alcohol, petroleum or silicone may cause your Goodyear RV tires to deteriorate and crack. Clean your tires whenever you wash your RV. You can wash your tires with the same products you use to wash your RV — a soft brush and mild soap.

#### **Removal conditions:**

Tires should be removed from service for several reasons, including tread worn down to minimum depth, signs of damage (cuts, cracks, bulges, etc.) or damage caused by underinflating or overloading. Below are some recommendations for specific issues:



#### Sidewall weather cracking.

Weather cracking is a naturally occurring condition that most often appears as crazing and/or cracking in the flex area of the sidewall. Probable causes of sidewall weather cracking include:

- Long periods of inactivity or storage.
- Direct exposure to sunlight.
- Exposure to high levels of ozone from sources such as smog and electrical generators.
- Excessive washing.
- Using alcohol and/or petroleum-based cleaners.

If a tire has weather cracks deeper than 2/32" – or if internal components such as steel or fabric body plies are visible – the tire should be replaced.

#### Shallow tread depth.

Tires should be removed from service if the tread wears down to 2/32". Also, federal regulations state that tires on the front axle of vehicles with a GVWR in excess of 10,000 pounds should be removed when worn to 4/32" tread depth. Consult your local retailer to determine the tread depth of your tires and whether they need to be replaced.

#### Mixing tire types and sizes.

When you mix tires of different constructions, sizes and depth of treadwear, it can affect handling and performance. Goodyear recommends using the same size and type of tire on the same axle – i.e., all radial ply or all bias ply, all the same size and all the same tread pattern – as well as maintaining your tires so that they all have approximately the same depth of wear.

### TIRE SIZING

#### Dual matching.

Mismatching can result in rapid, uneven treadwear. Dual tires should be within the following tolerances for tire circumference:

8.25R20 and smaller — within 0" to 3/4" tolerance 9.00R20 and larger — within 0" to 1 1/2" tolerance

#### Wheels and ratings.

It's important that tire and wheel ratings are compatible. For example, a tire rated at 3,000 pounds should never be mounted on a wheel rated at 2,000 pounds. Your Goodyear Retailer can help you match tires and wheels for enhanced protection and performance.

#### Popular alternative tire sizes.

For an equivalent size, a HIGHER load range tire can always be substituted. For example:

- ST225/75R15 Load Range D Marathon can be substituted for ST225/75R15 Load Range C Marathon.
- Match inflation pressure to load-carrying requirements using load and inflation tables.

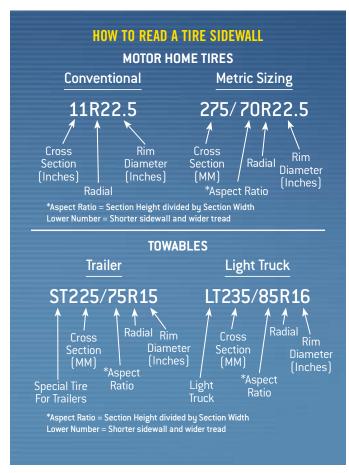
Some manufacturers use slightly different size designations.

Here are a few popular OE-acceptable RV tire size equivalents:

- 235/80R22.5 = 245/75R22.5
- 255/80R22.5 = 265/75R22.5
- 295/75R22.5 = 275/80R22.5

Before making a final decision to convert, Goodyear recommends contacting your local Goodyear RV tire retailer to verify that all of the following considerations have been met:

- Check with the vehicle manufacturer to ensure approval of the tire/wheel clearance and fitment.
- Verify that the current rim width is compatible to run the new tire size.
- A minimum dual spacing is required and should be confirmed or met.
- Due to a tire diameter and static loaded radius difference, there may be a change in the number of revolutions per mile, which means that the vehicle speedometer and odometer will change.
   Generally, if the difference in the RPM is less than 3%, no changes to gearing are required.



### **RV TIRES**



#### G670 RV® MRT

SUPERB PERFORMANCE AND HANDLING AND HELPS RESIST WEATHER CRACKING

- ANTI-OXIDANTS AND ANTI-OZIDANT COMPOUNDS help guard against weather cracking
- RUBBER COMPOUNDS enhance traction and treadwear
- CIRCUMFERENTIAL GROOVES enhance wet traction
- NOTCHES AND SIPES enhance dry traction
- HIGH-TECHNOLOGY BELT SYSTEM helps offer ride comfort
- TREAD PATTERN helps produce low heat and strength, and reduces squirm for superb handling
- FUEL-EFFICIENT CASING enhances fuel economy



Tire Size	Load		igle ad		gle ition	Dual	Load		ual ation	We	ight	Ri Wi	m dth		erall dth		erall neter		atic dius	RPM	RPK	Tread Depth		Dual cing	Speed
	Range	lbs	kg	psi	kpa	lbs	kg	psi	kpa	lbs	kg	in	mm	in	mm	in	mm	in	mm			32nds	in	mm	Rating
245/75R22.5	G	4,675	2,120	110	760	4,410	2,000	110	760	83.16	37.721	7.50	191	9.5	241	37.0	940	17.3	439	560	348	14	11.0	289	75
255/70R22.5	Н	5,510	2, 500	120	830	5,070	2,300	120	830	86.35	39.168	7.50	191	10.0	253	36.4	925	17.0	432	566	352	14	11.3	287	75
265/75R22.5	G	5,205	2, 360	110	760	4,805	2,180	100	690	93.01	42.189	7.50	191	10.0	254	38.4	975	17.9	455	537	334	14	11.6	295	75
275/70R22.5	Н	6,940	3,150	125	860	6,395	2,900	125	860	92.83	42.108	7.50	191	10.4	264	37.6	955	17.4	442	548	341	14	11.9	302	75
275/80R22.5	Н	7,160	3,250	125	860	6,610	3,000	125	860	115.96	52.599	8.25	210	11.1	282	40.2	1,021	18.8	478	517	321	18	12.3	312	75
295/80R22.5	Н	7,830	3,550	125	860	6,940	3,150	125	860	109.23	49.547	9.00	229	12.1	307	41.3	1,049	19.2	488	499	310	16	13.2	335	75
315/80R22.5	L	9,090	4,125	130	900	8,270	3,750	130	900	132.81	60.243	9.00	229	12.5	318	42.5	1,080	19.8	503	489	304	16	13.8	351	75

#### LOAD/INFLATION INFORMATION FOR G670 RV MRT

TIRE LOAD LIMITS (LBS) AT VARIOUS COLD INFLATION PRESSURES (PSI) HIGHWAY STEER AND ALL-POSITION TREAD DESIGNS USED IN NORMAL HIGHWAY SERVICE\*

Tire Size	Max Speed Rating	Single (S)						Infla	tion Pressure	- PSI					
	mph	Dual (D)	70	75	80	85	90	95	100	105	110	115	120	125	130
245/75R22.5	75	S D	3470 3260	3645 3425	3860 3640	3980 3740	4140 3890	4300 4080	4455 4190	4610 4335	4675 (G) 4410 (G)				
255/70R22.5	75	S D			4190 3970	4370 4110	4550 4275	4675 4410	4895 4455	5065 4610	5205 4675	5400 4915	5510 (H) 5070 (H)		
265/75R22.5	75	S D	3875 3525	4070 3705	4300 3860	4440 4040	4620 4205	4805 4410	4975 4525	5150 4685	5205 (G) 4805 (G)				
275/70R22.5	75	S D				5170 4770	5400 4980	5630 5180	5850 5390	6070 5590	6290 5800	6510 6000	6730 6200	6940 (H) 6395 (H)	
275/70R22.5 (G159)	75	S D				4885 4535	5080 4750	5305 4960	5530 5165	5750 5370	5965 5575	6185 5775	6400 5975	6610 (H) 6175 (H)	
275/80R22.5	75	S D					5500 5080	5745 5305	5985 5530	6225 5750	6460 5965	6700 6185	6930 6400	7160 (H) 6610 (H)	
295/80R22.5	75	S D			5480 4855	5750 5100	6020 5335	6285 5570	6550 5805	6810 6035	7070 6265	7320 6490	7580 6720	7830 (H) 6940 (H)	
315/80R22.5	75	S D				6415 5840	6670 6070	6940 6395	7190 6540	7440 6770	7610 6940	7920 7210	8270 7610	8680 7940	9090 (L) 8270 (L)

<sup>\*</sup>Industry standards for load and inflation are in the process of being revised. These tables are current as of 06/16/17. For the most current information, please visit the RV Tire section of Goodyear's website at www.goodyearrvtires.com.

### **RV TIRES**



#### G670 RV® ULT

SUPERB PERFORMANCE AND HANDLING AND HELPS RESIST WEATHER CRACKING

- ANTI-OXIDANTS AND ANTI-OZIDANT COMPOUNDS help guard against weather cracking
- RUBBER COMPOUNDS enhance traction and treadwear
- CIRCUMFERENTIAL GROOVES enhance wet traction
- NOTCHES AND SIPES enhance dry traction
- HIGH-TECHNOLOGY BELT SYSTEM helps offer ride comfort
- TREAD PATTERN helps produce low heat and strength, and reduces squirm for superb handling
- FUEL-EFFICIENT CASING enhances fuel economy



Recommended Applications

Tire Size	Load	Lo	igle ad		gle ition	Dual	Load	Dı Infla	ıal ıtion	We	ight		im dth		erall dth		erall neter	Sta Rac	itic lius	RPM	RPK	Tread Depth		Dual cing	Speed
	Range	lbs	kg	psi	kpa	lbs	kg	psi	kpa	lbs	kg	in	mm	in	mm	in	mm	in	mm			32nds	in	mm	Rating
225/70R19.5	F	3,640	1,650	95	660	3,415	1,550	95	660	57.93	26.277	6.75	171	8.9	226	32.0	813	14.9	378	644	400	13	10.0	254	75
245/70R19.5	G	4,540	2,060	110	760	4,410	2,000	110	760	70.86	32.142	7.50	191	9.7	246	33.0	838	15.3	389	626	389	13	11.0	279	75

#### LOAD/INFLATION INFORMATION FOR UNISTEEL® G670 RV

TIRE LOAD LIMITS (LBS) AT VARIOUS COLD INFLATION PRESSURES (PSI) HIGHWAY STEER AND ALL-POSITION TREAD DESIGNS USED IN NORMAL HIGHWAY SERVICE\*

Tire Size	Max Speed Rating	Single (S)						Infla	tion Pressure	- PSI					
	mph	Dual (D)	70	75	80	85	90	95	100	105	110	115	120	125	130
225/70R19.5	75	S D		2895 2720	3040 2860	3195 3000	3315 3115	3450 3245	3640 (F) 3415 (F)	3715 3490	3845 3615	3970 (G) 3750 (G)			
†245/70R19.5	75	S D			3640 3415	3740 3515	3890 3655	4080 (F) 3970 (F)	4190 4115	4335 4265	4540 (G) 4410 (G)				

<sup>\*</sup>Industry standards for load and inflation are in the process of being revised. These tables are current as of 06/16/17. For the most current information, please visit the RV Tire section of Goodyear's website at www.goodyearrvtires.com.

<sup>†</sup>Tires produced after 2/28/06

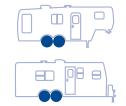


#### G614 RST®

EVEN WEAR IN DEMANDING TRAILER APPLICATIONS

- SHALLOW TREAD offers even wear and helps reduce running temperatures for casing toughness
- SOLID, ROUNDED SHOULDER RIBS enhance rib stability to promote even wear
- PREMIUM CASING is tough and retreadable
- RIB EDGE SIPES AND LATERAL GROOVES help deliver traction

Recommended Applications



	Tire Size	Load	Sin Lo			igle ition	Dual	Load		ıal ition	We	ight		m dth	Ove Wi	erall dth	Ove Diam	rall neter	Sta Rad		RPM	RPK	Tread Depth	Min. Spa	Dual cing	Speed
		Range	lbs	kg	psi	kpa	lbs	kg	psi	kpa	lbs	kg	in	mm	in	mm	in	mm	in	mm			32nds	in	mm	Rating
Г	LT235/85R16	G	3.750	1.700	110	750	3.415	1.550	110	750	60.09	27.257	6.50	165	9.5	241	30.7	780	14.4	366	671	417	12	10.8	274	75

#### LOAD/INFLATION INFORMATION FOR UNISTEEL G614 RST

TIRE LOAD LIMITS (LBS) AT VARIOUS COLD INFLATION PRESSURES (PSI) HIGHWAY STEER AND ALL POSITION TREAD DESIGNS USED IN NORMAL HIGHWAY SERVICE\*

Tire Size	Single (S) Dual (D)		Inflation Pressure - PSI														
	Duai (b)	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110
LT235/85R16	S D	1700 1545	1870 1700	2030 1845	2205 2006	2335 2125	2485 2260	2623 (D) 2381 (D)	2765 2515	2905 2645	3042 (E) 2778 (E)	3170 2885	3300 3005	3415 3085	3550 3230	3675 3345	3750(G) 3415(G)

<sup>\*</sup>Industry standards for load and inflation are in the process of being revised. These tables are current as of 06/16/17. For the most current information, please visit the RV Tire section of Goodyear's website at www.goodyearrvtires.com.

### TRAILER TIRE



#### **GOODYEAR® ENDURANCE®**

A DEPENDABLE TRAILER TIRE DESIGNED TO HELP YOU TOW WITH CONFIDENCE

- OPTIMIZED TREAD DEPTH AND DECOUPLING GROOVE help tire to remain cool while towing heavy loads
- RUGGED FABRIC-STEEL CONSTRUCTION offers improved durability and carrying capacity while remaining compatible with tire pressure monitoring systems and typical tire inflation stations
- SPECIALIZED INNER LINER minimizes air loss in trailer applications because of 100% halobutyl rubber
- SCUFF GUARD helps provide sidewall protection.
- DURAWALL® TECHNOLOGY helps resist sidewall cuts and punctures

Recommended Applications



Size	Service Description	Load Range	Sidewall	Product Code	Material Number	Approved Rim Width (ins)	Measuring Rim Width (ins)	Section Width (ins)	Overall Diameter (in 32nds)	Max Load (lbs)	Tread Depth (in 3)	Revs/ Mile
ST205/75R14	105N	Ď	BSW	724864519	232865	5.0 - 6.5	5.5	8.0	26.1	2,040	8	797
ST215/75R14	108N	D	BSW	724865519	232866	5.5 - 7.0	6.0	8.5	26.7	2,200	8	779
ST205/75R15	107N	D	BSW	724861519	232551	5.0 - 6.5	5.5	8.0	27.1	2,150	8	768
ST225/75R15	117N	Ė	BSW	724857519	231946	6.0 - 7.0	6.0	8.7	28.3	2,830	8	735
ST235/80R16	123N	E	BSW	724858519	231947	6.0 - 7.5	6.5	9.3	30.8	3,420	8	675
ST235/85R16	1250	[[[E	BSW	724860519	231948	6.0 - 7.5	6.5	9.3	31.7	3,640	8	659
ST255/85R16	129N	É	BSW	724862519	231949	6.5 - 8.0	7.0	10.0	33.1	4,080	8	631

### LOAD/INFLATION INFORMATION FOR GOODYEAR ENDURANCE SPECIAL TRAILER (ST) TIRES TIRE LOAD LIMITS (LBS) AT VARIOUS COLD INFLATION PRESSURES (PSI) USED IN NORMAL HIGHWAY SERVICE\*

Tire Size	Max Speed Rating														
0.20	mph	25	30	35	40	45	50	55	60	65	70	75	80	95	110
ST205/75R14	87	1170	1300	1430	1530	1640	1760	1850	1950	2040 (D)					
ST215/75R14	87	1270	1410	1520	1660	1790	1870	2010	2120	2200 (D)					
ST205/75R15	87	1220	1360	1480	1610	1720	1820	1940	2040	2150 (D)					
ST225/75R15	87	1430	1600	1760	1880	2020	2150	2270	2380	2540	2620	2720	2830(E)		
ST235/80R16	87	1720	1920	2090	2270	2430	2600	2730	2870	3000	3140	3260	3420(E)		
ST235/85R16	87	1830	2040	2200	2400	2580	2760	2910	3060	3200	3360	3480	3640(E)	3960	4400
ST255/85R16	87	2110	2360	2600	2780	2980	3200	3360	3520	3640	3860	4020	4080(E)		

<sup>\*</sup>Industry standards for load and inflation are in the process of being revised. These tables are current as of 06/16/17. For the most current

#### **POPULAR ALTERNATIVE TIRE SIZES**

Some manufacturers use slightly different size designations.

Here are a few popular OE-acceptable RV tire size equivalents:

- 235/80R22.5 = 245/75R22.5
- 255/80R22.5 = 265/75R22.5
- 295/75R22.5 = 275/80R22.5

	COMPETITIVE REPLACEMENTS
Goodyear	Michelin/Other
G670 RV MRT	Michelin XRV, X Coach HL Z, Z Multi Z, XZE and X Line Energy Z
G670 RV ULT	Michelin XZE
G614 RST	Michelin XPS Rib
Endurance	Carlisle Radial Trail HD, Kenda Karrier KRO3 and King Towmax STR II

information, please visit the RV Tire section of Goodyear's website at www.goodyearrvtires.com.

### **GOODYEAR WARRANTIES**

#### WHO IS ELIGIBLE FOR WARRANTY COVERAGE?

You are eligible for the benefits of this limited warranty if you meet all the following criteria:

- You are the owner or authorized agent of the owner of new Goodyear G670 RV®, G614 RST®, Marathon® and/or Wrangler® All-Terrain Adventure tires.
- Your tires bear Department of Transportation (D.O.T.) prescribed tire identification numbers and are not branded "NA" (Not Adjustable).
- Your Goodyear tires have been used only on the vehicle on which they were originally installed according to the vehicle manufacturer's or Goodyear's recommendations.
- Your tires were purchased on or after March 1, 2004.

#### WHAT IS COVERED AND FOR HOW LONG?

- 1. FREE TIRE REPLACEMENT Goodyear tires covered by this warranty that become unserviceable due to a covered warranty condition during the first 2/32" (inch) treadwear or 12 months from date of purchase, whichever comes first, will be replaced with a comparable new Goodyear tire without charge. You pay only for the mounting and balancing. (Without proof of purchase, date of manufacture will be used to determine eligibility.)
- **2. PRORATED TIRE REPLACEMENT** Goodyear tires not eligible for no-charge replacement that become unserviceable due to a covered warranty condition will be replaced on a prorated basis. You are responsible for mounting, balancing, any additional services you order at the time of adjustment, as well as any taxes and government-mandated charges.

#### HOW WILL THE PRORATED CHARGES BE CALCULATED?

The replacement price will be calculated by multiplying the current Goodyear advertised selling price at the adjustment location by the percentage of usable original tread that has been worn off at the time of adjustment. You pay for mounting, balancing, an amount equal to the full current Federal Excise Tax (U.S. only) and any other applicable taxes for the comparable new Goodyear replacement tire as well as any government-mandated charges.

Amount of Tread Used	V	Value of		Durante d Duis a s ( New Time
Original Tread	Λ	Comparable Tire	=	Prorated Price of New Tire

[Plus FET [U.S. only], other applicable taxes, government-mandated charges and mounting and balancing.]

#### WHEN DOES THE WARRANTY END?

**G670 RV**® -The new tire coverage of this warranty ends when the treadwear indicators become visible or five (5) years from the date of purchase, whichever occurs first. The only exception is weather cracking, which carries a seven (7) year warranty from the date of purchase or when the treadwear indicators become visible, whichever occurs first. Without proof of purchase, date of manufacture will be used to determine eligibility.

### **GOODYEAR WARRANTIES**

**G614 RST**<sup>®</sup> - The new tire coverage of this warranty ends when the treadwear indicators become visible or four (4) years from the date of purchase, whichever occurs first. Without proof of purchase, date of manufacture will be used to determine eligibility.

**Wrangler® All-Terrain Adventure, Marathon®** - The new tire coverage of this warranty ends when the treadwear indicators become visible or six (6) years from the date of purchase, whichever occurs first. Without proof of purchase, date of manufacture will be used to determine eligibility.

#### WHAT IS A COMPARABLE TIRE?

A "comparable" new Goodyear tire may either be the same line of tire or, in the event that the same tire is not available, a tire of the same basic construction and quality with a different sidewall or tread configuration. If a higher priced tire is accepted as replacement, the difference in price will be at an additional charge to you.

Any replacement tire provided pursuant to this warranty will be covered by the Goodyear warranty in effect at the time of replacement.

#### WHAT IS NOT COVERED UNDER THIS LIMITED WARRANTY?

- Wear conditions or tire damage due to:
  - -Road hazards (including punctures, cuts, snags, impact breaks, etc.). Wreck, collision, or fire.
  - -Fast wear, irregular wear, heel and toe wear, or other wear conditions.
- Improper inflation, overloading, high-speed spinup, misapplication, misuse, negligence, racing, chain damage, or improper mounting or demounting.
- Mechanical condition of the vehicle.
- Chip/chunk conditions on tires intended for highway service.
- Ride disturbance after the first 2/32" (inch) treadwear or due to damaged wheels or any vehicle condition.
- Any tire intentionally altered after leaving a factory producing Goodyear tires to change its appearance (example: white inlay on a black tire).
- G614 RST, Marathon and Wrangler All-Terrain Adventure Tires with weather cracking, which were purchased more than four (4) years prior to presentation for adjustment. If you have no proof of purchase date, tires manufactured four (4) or more years prior to presentation are not covered.
- G670 RV Tires with weather cracking, which were purchased more than seven (7) years prior to presentation for adjustment. If you have no proof of purchase date, tires manufactured seven (7) or more years prior to presentation are not covered.
- Material added to a tire after leaving a factory producing Goodyear tires (example: tire fillers, sealants or balancing substances). If the added material is the cause of the tire being removed from service, the tire price will not be adjusted.
- Any Goodyear Commercial tire with the word "Mileage" on the sidewall.
- Tires removed from service due to improper repairs.
- Loss of time, inconvenience, loss of use of vehicle, incidental or consequential damage.

This limited warranty is applicable only in the United States and Canada.

### **GOODYEAR WARRANTIES**

#### HOW DO YOU KNOW WHEN YOUR TIRES WERE MANUFACTURED?

The Department of Transportation or D.O.T. code is found on the sidewall of the tire. The last four digits indicate the week and year of manufacture. For example, a tire with a D.O.T. code ending in 3609 was manufactured the 36th week of 2009.

#### **HOW DO YOU OBTAIN AN ADJUSTMENT?**

- A. You must present the tire to be adjusted to an authorized Goodyear Commercial Tire Retailer. Please consult your telephone directory, or visit www.goodyear.com/truck for locations. Tires replaced on an adjustment basis become the property of The Goodyear Tire & Rubber Company or Goodyear Canada Inc.
- B. You must pay for taxes and any additional service you order at the time of adjustment.
- C. No claim will be recognized unless submitted on a Goodyear claim form (supplied by a Goodyear Commercial Tire Retailer) completely filled out and signed by you, the owner of the tire presented for adjustment, or your authorized agent.

#### WHAT ARE YOUR LEGAL RIGHTS?

This warranty gives you specific legal rights and you may also have other rights that vary from state to state and province to province.

DISCLAIMER: THIS WARRANTY IS IN LIEU OF, AND GOODYEAR HEREBY DISCLAIMS, ANY AND ALL OTHER WARRANTIES AND REPRESENTATIONS, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND NO OTHER WARRANTY OR REPRESENTATION OF ANY KIND IS MADE BY GOODYEAR OR SHALL BE IMPLIED BY LAW.

LIMITATION OF DAMAGES: IN NO EVENT AND UNDER NO CIRCUMSTANCE SHALL GOODYEAR BE LIABLE TO THE BUYER FOR ANY INDIRECT, SPECIAL, INCIDENTAL, CONSEQUENTIAL, LOST PROFIT, LOSS OF BUSINESS, LOSS OF GOODWILL OR REPUTATION, PUNITIVE OR OTHER DAMAGE, COST (INCLUDING FOR REPLACEMENT TRANSPORTATION), EXPENSE OR LOSS OF ANY KIND. SOME STATES AND PROVINCES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

Note: No Representative or Dealer has authority to make any representation, promise or agreement on behalf of Goodyear except as stated herein.

Any tire, no matter how well constructed, may fail in service or otherwise become unserviceable due to conditions beyond the control of the manufacturer. Under no circumstances is this warranty a representation that a tire failure cannot occur.

### **GOODYEAR WARRANTY**



Property damage, serious injury or death may result from:

• TIRE FAILURE DUE TO UNDERINFLATION/OVERLOADING/MISAPPLICATION.

Follow the vehicle owner's manual or tire placard in vehicle.

• TIRE FAILURE DUE TO IMPACT DAMAGE/IMPROPER MAINTENANCE.

Tires should be inspected regularly by a qualified technician for signs of damage, such as punctures or impacts.

• TIRE FAILURE DUE TO IMPROPER REPAIRS.

See Rubber Manufacturer's Association (RMA) established repair procedures at www.rma.org and/or go to www.goodyear.com for information on proper repair procedures.

• EXPLOSION OF TIRE/RIM ASSEMBLY DUE TO IMPROPER MOUNTING.

Only specially-trained persons should mount tires. When mounting tires, use safety cage and clip-on extension air hose to inflate.

- FAILURE TO MOUNT RADIAL TIRES ON APPROVED RIMS.
- FAILURE TO DEFLATE SINGLE OR DUAL ASSEMBLIES COMPLETELY BEFORE DEMOUNTING.
- TIRE SPINNING.

On slippery surfaces such as snow, mud, ice, etc., do not spin tires in excess of 35 mph (56 kph), as indicated on the speedometer.

• EXCESSIVE WHEEL SPINNING.

This can also result in tire disintegration or axle failure.

#### FOR SERVICE ASSISTANCE OR INFORMATION:

- 1. First contact the nearest Authorized Goodyear Commercial Tire Retailer.
- 2. If additional assistance is required:
  - In the U.S.A. write to-Goodyear Customer Assistance Center Department 728
     200 Innovation Way Akron, OH 44316
  - In Canada write to-Goodyear Customer Assistance Center 450 Kipling Avenue Toronto, Ont. M8Z 5E1





## NOTES



1-866-353-3847 / www.goodyeartrucktires.com