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Replacement Guidelines for Passenger and Light Truck Tires

P-Metric and European Metric

*LT Metric, LT High Flotation/Wide Base, and Numeric
(through Load Range "E")*

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SUPPLEMENTAttached

Supplement Includes: Approved Rim Widths, LT Load/Inflation Tables, Obsolete data tables

Purpose

The purpose of this manual and its supplement is to provide industry recommended guidelines and important safety information when replacing tires for light vehicles*. Please note that while this manual is intended to outline general guidelines and considerations for tire replacement, it is not all-inclusive. Questions pertaining to specific products and/or vehicle fitments should be addressed to the vehicle manufacturer, tire manufacturer, or tire dealer. Because technology and tire specifications change over time, be sure to visit the RMA web site periodically for current information www.rma.org.

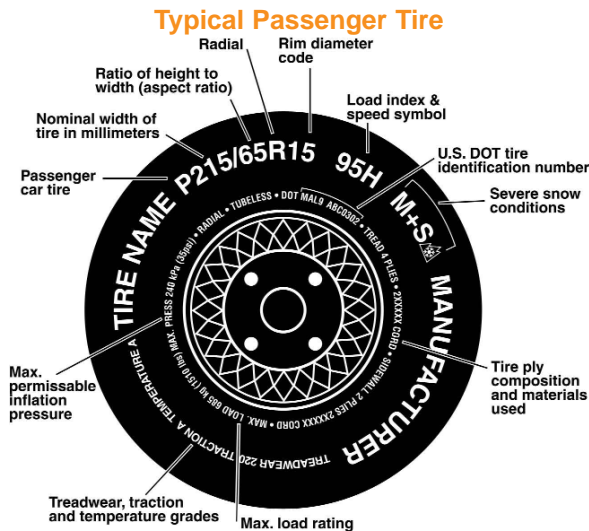
IMPORTANT

Before replacing tires, ALWAYS refer to and follow the vehicle manufacturer's replacement tire restrictions and recommendations.

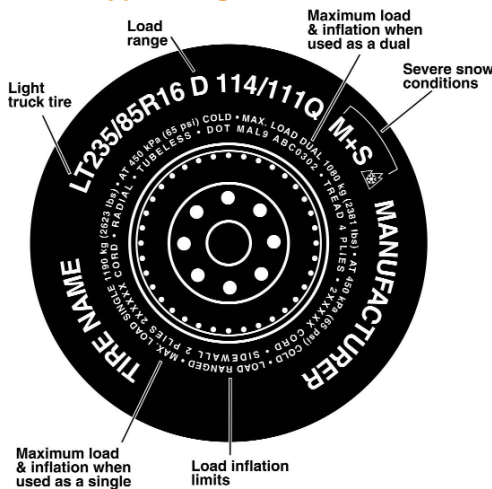
For Your Information

The Sidewall Story

Tires have very useful information molded into the sidewall. It shows the name of the tire, its size, whether it is tubeless or tube type, the maximum load and maximum inflation, important safety warnings and other information.



Typical Light Truck Tire



Vehicle Tire Placard Examples

TIRE INFORMATION		VEHICLE CAPACITY WEIGHT		850 LBS
SEATING CAPACITY		TOTAL 5	FRONT 2	REAR 3
RECOMMENDED TIRE SIZE	COLD TIRE INFLATION PRESSURE		SEE OWNER'S MANUAL FOR ADDITIONAL INFORMATION	
	FRONT	210KPA, 30PSI		
COMPACT SPARE TIRE	UP TO VEHICLE CAPACITY WEIGHT			
T125/70D15 95M	420KPA, 60PSI		42762-S84-A100	

GVWR			GAWR FRT			GAWR RR			05/01
3901KG(8600LB)			2000KG(4410LB)			2722KG(6000LB)			
THIS VEHICLE CONFORMS TO ALL APPLICABLE U.S. FEDERAL MOTOR VEHICLE SAFETY STANDARDS IN EFFECT ON THE DATE OF MANUFACTURE SHOWN ABOVE.									
TYPE: TRUCK									
KPDG	TIRE SIZE	RIM	COLD TIRE PRESSURE						
FRT	LT245/75R16E	16X6.5J	340KPA(50PSI)						
RR	LT245/75R16E	16X6.5J	550KPA(80PSI)						
SEE OWNER'S MANUAL FOR MORE INFORMATION.									
								F 643	T 2046

Below are layouts for new vehicle tire placards as illustrated in 49 CFR Part 571.110 S4.3. The new placards will be phased-in beginning September 1, 2005.

TIRE AND LOADING INFORMATION			
SEATING CAPACITY TOTAL 5, FRONT 2, REAR 3			
The combined weight of occupants and cargo should never exceed XXX kg or XXX lbs.*			
TIRE	SIZE	COLD TIRE PRESSURE	SEE OWNER'S MANUAL FOR ADDITIONAL INFORMATION
FRONT	P195/70R14	200KPA, 29PSI	
REAR	P195/70R14	200KPA, 29PSI	
SPARE	T125/70D15	420KPA, 60PSI	

TIRE INFORMATION		
TIRE	SIZE	COLD TIRE PRESSURE
FRONT	P195/70R14	200KPA, 29PSI
REAR	P195/70R14	200KPA, 29PSI
SPARE	T125/70D15	420KPA, 60PSI
SEE OWNER'S MANUAL FOR ADDITIONAL INFORMATION		

* As defined by 49 CFR Part 571.139, Federal Motor Vehicle Safety Standard (FMVSS 139), light vehicles are motor vehicles with a gross vehicle weight rating (GVWR) of 10,000 lbs. or less. Tire sizes for light vehicles include all passenger car tires and light truck tire sizes (through Load Range E).

Replacement Guidelines

WHAT TIRE IS RIGHT FOR THE VEHICLE

When tires need to be replaced, do not guess what tire is right for your vehicle. For the answer first look at the vehicle tire placard, which is usually located on the vehicle door edge, door post, glove box or fuel door (or check the vehicle owner's manual). The vehicle tire placard tells you the size of the tires, including the spare, that were installed on the vehicle as original equipment ("OE"). It also includes the recommended cold inflation pressures for the tires on the front/rear axles and for the spare tire. It may also include seating capacity and combined weight of occupants and cargo. If your vehicle does not have a vehicle tire placard, check your owner's manual or consult with the vehicle manufacturer, tire manufacturer, or a tire dealer.

IMPORTANT

ALWAYS check the vehicle manufacturer's recommendations for the OE tire size, load capacity, inflation pressure, and speed rating information before replacing a tire with a different size and construction. It is not always possible to select the same tire size for a replacement tire. NEVER choose a smaller size, with less load carrying capacity than the specified size on the vehicle tire placard.

TIRE SIZE, INFLATION & LOAD

TIRE REPLACEMENTS

Replacement tires should be the same as the OE size designation -- or approved options -- as recommended by the vehicle or tire manufacturer. Never choose a replacement tire of a smaller tire size with less load carrying capacity than the OE tire size at the specified vehicle placard pressure. Under certain circumstances, a vehicle manufacturer may recommend or permit a specific substitute tire size, inflation pressure, maximum speed, maximum load, etc. It is recommended that all four tires be of the same size, speed rating, and construction (radial, non-radial). In some cases, the vehicle manufacturer may specifically advise against the application of replacement tires that are not the original size. In other cases, the vehicle manufacturer may require different sized tires for either the front or rear axles. (Also see "Tire Mixing" on p. 4, and "Important Considerations" on p. 7.) Always check and follow the recommendations in the vehicle owner's manual.

Replacement tires must have:

- **Inflation pressure capability** equal to or greater than the operating inflation pressure specified on the vehicle tire placard.
 - When determining the proper tire inflation pressure settings for substitute tires, never exceed the maximum pressure listed on the sidewall of the tires.
 - Carefully note any differences between recommendations for front and rear axle positions regarding the tire size and/or inflation pressure.
- **Load-carrying capacity** must be equal to or greater than the load carrying capacity of the OE tire size at the specified vehicle placard pressure.
- **Speed rating** (such as "S", "T", "U", "H", "V", "Z", etc.) must be equal

to or greater than what is specified by the vehicle manufacturer if the speed capability of the vehicle is to be maintained. (Also see "Tire Mixing" on p. 4, and "Important Considerations" on p. 7.)

LIGHT TRUCK TIRE REPLACEMENT

In addition to the considerations already stated, also be sure to take into account the following items relative to light truck (LT) tire replacement.

- Tires should only be mounted on approved rim widths. (See "Tire Rim/Wheel Selection" on p. 5 and the Supplement)
 - If changing tire sizes, check to make sure the rim/wheel has adequate load and inflation pressure capacity. For rims/wheels not so identified or for service conditions exceeding the rated capacities, consult the rim/wheel manufacturer to determine the rim/wheel capabilities.
- Body and chassis clearance must be checked on the vehicle's front and rear axles. (See "Tire, Vehicle Clearance and Tire Diameter" on p. 5)
- Proper spacing between duals (minimum dual spacing) is necessary for optimum tire performance. Consult tire or vehicle manufacturers' literature for recommendations. If chains are used, particular care must be taken to assure adequate clearance between loaded tires to avoid damage from chains. Allowable outside diameter differences between a tire and its dual mate is 1/4" for light truck tires.
- For tube type tires, be sure to use approved tubes/flaps/valves for the replacement tire. When used in radial tires, radial tubes and radial flaps are required.

REPLACING O.E. PASSENGER TIRES WITH LT TIRES

Some vehicles, such as sport utility vehicles, vans, and pickup trucks, have passenger tires installed as original equipment. As previously stated, it is preferred that replacement tires should be the same OE size designation -- or approved options -- as recommended by the vehicle or tire manufacturer. However, in some cases, the OE passenger tires on these types of vehicles can be replaced with light truck tires, which are tires marked with an "LT" designation on the sidewall. LT tires for light vehicles, which are vehicles with a Gross Vehicle Weight Rating ("GVWR") of 10,000 lbs. or less, include load ranges "B", "C", "D" and "E".

IMPORTANT

Unless otherwise specified by the vehicle manufacturer, it is not recommended to replace OE LT-metric, High Flotation/Wide Base, or Numeric tires with P-metric (e.g. P205/60R15) or European metric tires (e.g. 205/60R15). Please note that European Metric tires do not have a "P" in the size designation.

If you replace passenger car tires with light truck tires, replacement tires will require a significant inflation pressure adjustment in order to carry the same load as the original equipment size. Passenger tire load carrying capacity must be reduced by dividing by 1.10 for LT applications. *For example:* P235/75R15 which has a maximum load capacity for passenger vehicle application = 2028 lbs. For a light truck application, using the formula, the maximum load capacity would be $2028 \div 1.10 = 1844$ lbs. (Also see "Important Considerations" on p. 7 and attached Supplement for LT load/inflation tables.)

NOTE: When replacing passenger OE tires with LT tires, check with the vehicle manufacturer to be sure the rim/wheel is appropriate for the required higher inflation pressures. Check rim widths and rim load/inflation capacity; check body and chassis clearance. Purchase of new rims/wheels may be required.

In addition to the important considerations listed above, be sure to consult with vehicle manufacturer, tire manufacturer, and/or a professional tire dealer for the appropriate replacement size, adjusted inflation pressure, and load rating for your vehicle.

TIRE MIXING

- It is recommended that all four tires be of the same size, speed rating, and construction (radial, non-radial). In some cases the vehicle manufacturer may require different sized tires for either the front or rear axles. NEVER mix P-Metric or European Metric passenger tires with light truck sized tires on the same vehicle.
- Match tire size designations in pairs on an axle, except for temporary use of a spare tire.
- If two radial tires and two non-radial tires are used on a vehicle, put radials on the rear axle. If radial and non-radial tires are used on a vehicle equipped with dual rear tires, the radial tires may be used on either axle.
- **Speed rated tires**^{1,4} - If the vehicle tire placard and/or owner's manual specifies speed rated tires, the replacement tires must have the same or higher speed rating to maintain vehicle speed capability.
 - If replacement tires have lower speed capability than specified by the vehicle manufacturer, the vehicle's speed must be restricted to that of the replacement tire. Also, vehicle handling could be affected. Consult vehicle manufacturer or tire manufacturer for recommendations.
 - With the exception of winter/snow tires (see below), if tires with different speed ratings are used, it is recommended that lower speed rated tires should always be placed on the front axle. This is to prevent a potential oversteer condition.
- **Four-wheel drive (4WD) and All-wheel drive (AWD) vehicles** - If no instructions for tire mixing appear in the vehicle owner's manual, follow these guidelines:
 - DO NOT mix tire sizes. All four tires must be marked with the same tire size, unless otherwise specified by the vehicle manufacturer. This also applies to winter/snow tires.
 - DO NOT mix radial and non-radial tires. All four must be either radial or non-radial.
 - DO NOT mix tread pattern types such as all-terrain and all-season.
- **Winter/Snow tires**² - It is always preferable to apply winter/snow tires² to all wheel positions, including duals, to maintain vehicle mobility and control.
 - If winter/snow tires are applied to the front axle of any vehicle, winter/snow tires must also be installed on the rear axle. DO NOT apply winter/snow tires only to the front axle. This applies to all passenger and light truck vehicles including front-wheel-drive, 4WD, and AWD vehicles. **WARNING!** Without winter/snow tires on the rear axle, which have comparable traction qualities to the tires on the front axle, the vehicle may experience adverse handling characteristics. This may result in loss of vehicle control, which could cause serious injury or death.

- If winter/snow tires are installed on the rear axle of any vehicle, it is recommended (but not required) that they also be installed on the front axle.
- **Studded Winter/Snow tires**^{2,3} - Studded winter/snow tires^{2,3} have higher traction qualities under most winter weather conditions.
 - If studded winter/snow tires are installed on the front axle of any vehicle, studded winter/snow tires must also be installed on the rear axle. DO NOT apply studded winter/snow tires only to the front axle. **WARNING!** Installing only two studded winter/snow tires on the front axle of any vehicle (including front-wheel-drive vehicles) without studded winter/snow tires on the rear axle, can cause adverse vehicle handling characteristics. This may result in loss of vehicle control, which could cause serious injury or death.
 - If studded winter/snow tires are installed on the rear axle of any vehicle, it is strongly recommended that they should also be installed on the front axle. Only if studded winter/snow tires are installed on all wheel positions of a vehicle will optimum handling characteristics be achieved.

REPLACING LESS THAN FOUR TIRES

IMPORTANT

In some cases, the vehicle manufacturer may specifically advise against replacing less than all four tires. Always check and follow the recommendations in the vehicle owner's manual. For 4WD and AWD vehicles, even small differences in outside diameter may cause drive-train damage or mechanical malfunction.

When replacing tires on a vehicle, it is recommended and preferred that all four tires be replaced at the same time for continued optimal vehicle performance. However, for those cases where this is not feasible, below are some general guidelines to consider when replacing less than four tires for a light vehicle, whether it is one or two tires. (Also see "Tire Mixing" at left.) If the vehicle manufacturer has alternate recommendations, always follow their recommendations.

REPLACING TWO (2) TIRES - When a pair of replacement tires is selected in the same size and construction as those on the vehicle, the two newer tires should be installed on the rear axle unless the new replacement tires are of a lower speed rating (see "Tire Mixing" at left and "Important Considerations" on p. 7). Generally, new tires with deeper tread will provide better grip and evacuate water more effectively, which is important as a driver approaches hydroplaning situations. Placing greater traction on the rear axle on wet surfaces is necessary to prevent a possible oversteer condition and loss of vehicle stability.

REPLACING ONE (1) TIRE - Replacing a single tire on a vehicle can have an adverse affect on suspension systems, gear ratios, transmission, and tire treadwear. If single tire replacement is unavoidable, it is recommended that the single new tire be paired with the tire that has the deepest tread and both be placed on the rear axle. Placing greater traction on the rear axle on wet surfaces is necessary to prevent a possible oversteer condition and loss of vehicle stability.

TIRE RIM/WHEEL SELECTION

IMPORTANT

Always use approved tire and rim combinations for diameters and contours⁷.

Tires should only be mounted on approved rim widths (for more information, refer to tables in the Supplement). Figures 1 and 2 illustrate examples of series profile and rim width, respectively.

- Always check to be certain that the diameter designation for both tire and rim are the same. For example, a P235/75R16 tire must be mounted on a 16-inch rim (see the rim **WARNINGS** below).
- If replacement tires or rims/wheels are of a different size from the OE, be sure that the outside circumference of all four tires is within the accepted tolerance of the vehicle manufacturer.
- Never exceed the maximum pressure and/or load capacity of the rim/wheel.

Figure 1. Series Profile Example

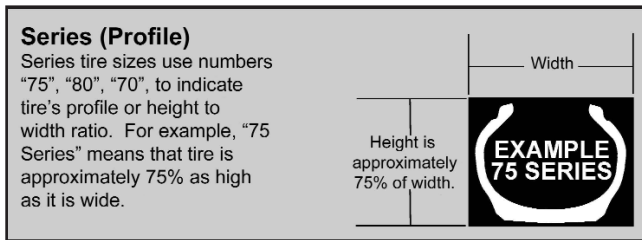
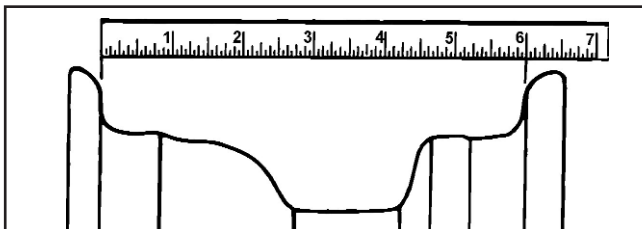


Figure 2. Example of a 6" Rim Width



WARNING

High pressure "T" type temporary spare tires should not be used with any other rims/wheels, nor should standard tires, snow tires, wheel covers, or trim rings be used with the high pressure "T" type temporary spare rim/wheel. A "T" type temporary spare tire and wheel assembly should never be used on a vehicle with which it is not compatible, nor should more than one such tire ever be placed on any vehicle at a given time. Standard tires or snow tires should NOT be mounted on a high pressure compact spare wheel.

Mismatch of the tire and/or rim parts may cause the assembly to burst with explosive force, sufficient to cause serious physical injury or death.

TIRE, VEHICLE CLEARANCE & TIRE DIAMETER

Acceptable load index, load capacity, and/or overall diameter do not imply acceptable vehicle clearance. Body and chassis clearance must be checked on the vehicle's front and rear axles. If replacement tires or rims are of a different size from the original equipment, all four (4) wheel positions must be checked for proper clearance in the fender well, brake components, shock towers, other suspension components, etc. These wheel positions must be checked for full suspension jounce and rebound. Steering tires must be checked in full left and right turns. Also, check to be sure that the outside circumference of all four tires is within the accepted tolerance of the vehicle manufacturer⁵.

WARNING

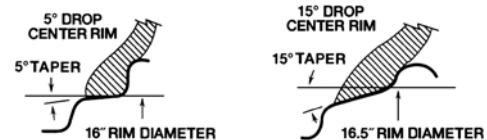
There is a danger of serious injury or death if a tire of one bead diameter is installed on a rim or wheel of a different rim diameter.

ALWAYS replace a tire with another tire of exactly the same bead diameter as the diameter of the rim on which it will be mounted.

For example: a 16" tire goes on a 16" rim. NEVER mount a 16" tire on a 16.5" rim. A 16.5" tire ONLY goes on a 16.5" rim. NEVER mount a 16.5" tire on a 16" rim.

While it is possible to pass a 16" diameter tire over the lip or flange of a 16.5" size diameter rim, it CANNOT be inflated enough to position itself against the rim flange. If an attempt is made to seat the tire bead by inflating, the tire will break with explosive force and could cause serious injury or death.

Rims of different diameters and tapers CANNOT be interchanged. The following diagram illustrates the difference between rims of two different tapers and diameters.



The following diagram shows how beads of a 16" tire will not seat on a 16.5" rim. The beads CANNOT be forced out against the rim flanges by using more air pressure because this will break the beads and the tire will explode with force sufficient to cause serious injury or death.



TIRE MOUNTING

- Mount tires only on approved rim widths (see Supplement).
- Follow recommended mounting and demounting procedures⁶.
- Never inflate beyond 40 psi (air pressure) to seat beads⁶.
- See **WARNING** under "Important Considerations" on p. 7.

PLUS SIZING

Plus sizing for light vehicles in the after-market is primarily based on the following tire/wheel characteristics:

- 1) Maintain overall tire diameter of the OE tires;
- 2) Increase the tire section width (contact patch/footprint becomes shorter and wider);
- 3) Decrease the series profile (a.k.a. aspect ratio or section height);
- 4) Increase the rim/wheel diameter.

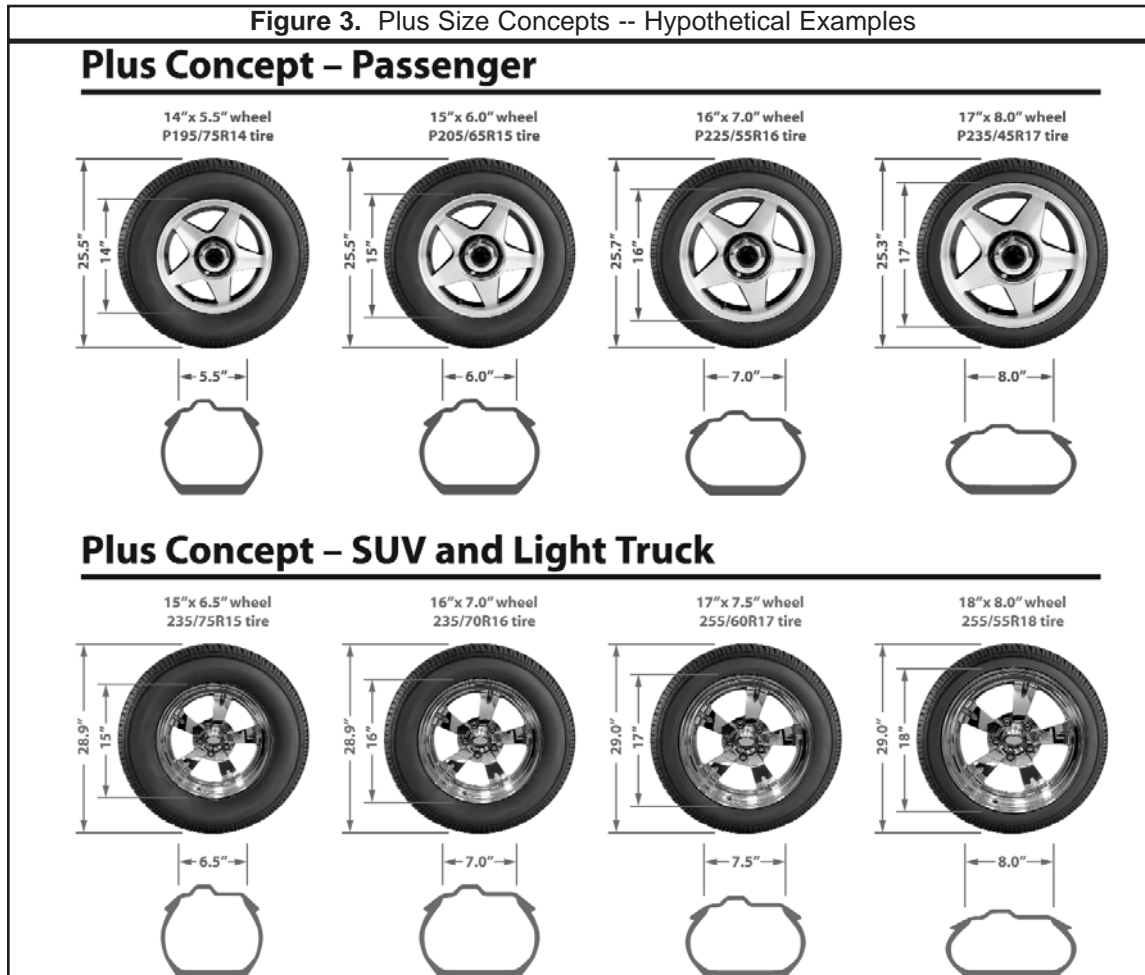
Plus sizing is generally conveyed in terms of "Plus 1", "Plus 2", "Plus 3", etc. Examples of plus sizing is illustrated in Figure 3. If tire fitments other than the OE is desired, always consult vehicle and tire manufacturers' recommendations and consider the following:

- **Aspect Ratio:** Additional consideration should be made for substitute tires that are lower in aspect ratio than the OE tire fitments. Lower aspect ratio tires typically aid performance and handling, but they may provide a less comfortable ride. High performance, low aspect ratio tires may also wear more quickly and produce

more noise during operation. Low aspect ratio tires -- and their rim/wheel assembly -- are more susceptible to damage from road hazards and pothole/curb impact.

- **Overall Diameter⁵:** Check to be sure that the overall diameter of all four tires is within the accepted tolerance of the vehicle manufacturer. (See "Endnotes" on p. 8.)
- **Inflation Pressure⁵:** Check to see if it needs to be adjusted. (See "Important Considerations" at right and "Endnotes" on p. 8.)
- **Load Carrying Capacity:** Must be equal to or higher than the OE fitment.
- **Speed Symbol/Category:** Must be equal to or higher than the OE fitment if the speed capability of the vehicle is to be maintained. (See "Important Considerations" at right.)
- **Rim Width/Off-Set:** Check OE/rim manufacturer's recommendations.
- **Rim/Wheel Selection:** Never exceed the maximum pressure and/or load capacity of the rim/wheel.
- **Vehicle Clearances:** Steering tires must be checked in full left and right turns. All wheel positions should be checked for proper clearance in fender wells, brake components, shock towers, and other suspension components. These wheel positions must be checked for full suspension jounce and rebound.
- **Vehicle Modifications:** Lift kits and other types of suspension alterations or use of tires not approved by the vehicle or tire manufacturer can adversely affect vehicle handling and stability.
- **State/Local Laws:** Check to be sure that the fitment complies with any state/local regulations.

Figure 3. Plus Size Concepts -- Hypothetical Examples



Important Considerations



TIRE CHANGING CAN BE DANGEROUS AND SHOULD BE DONE BY TRAINED PERSONNEL USING PROPER TOOLS AND PROCEDURES. ALWAYS READ AND UNDERSTAND ANY MANUFACTURER'S WARNING CONTAINED IN THEIR CUSTOMERS' LITERATURE OR MOLDED INTO THE TIRE SIDEWALL.

Failure to comply with these procedures may result in faulty positioning of the tire and or rim parts and cause the assembly to burst with explosive force, sufficient to cause serious physical injury or death. Never mount or use damaged tires or rims.

Inflation Pressure: OE vs. Replacement

Fitment of a new tire (other than the OE size) on the vehicle may require a higher inflation pressure than specified on the vehicle tire placard to adequately carry the load. If so, the installer should inform the owner of the new required inflation pressure. The installer should also place a sticker or decal next to the vehicle tire placard showing the new tire size and inflation pressure requirements for future reference. You should never inflate a tire below the recommended pressure shown on the vehicle's tire placard.

NOTE: Be sure to maintain any difference in inflation pressures for front and rear tires as indicated on the vehicle's tire placard.

Standard Load (SL) vs. Reinforced or Extra-Load (XL) Fitments

Some passenger tires have extra load capabilities. Generally, these tires will have "XL" or "Extra Load" or "Reinforced" molded on the sidewall of the tire. Special care should be exercised when considering reinforced or extra load ("XL") tires as substitutes for standard load ("SL") tires. A reinforced or "XL" tire offers higher maximum load capacity than a "SL" tire of the same size; **however:**

- "XL" tires require higher inflation pressure to attain the added load capacity. (See "Inflation Pressure" above.)
- For "XL" tires, an equal or greater load index is not always an adequate indicator of a tire's suitability for the load capacity. As a result, the maximum load capacity and inflation pressure, which is also molded on the tire sidewall, must be referenced.

Load Index

- The load index is the number preceding the speed symbol on a tire's sidewall. For example, if the tire is labeled as P215/65R15 95H, then "95H" is the "service description" where "95" is the "load index".
- Tires with the same load index, regardless of tire size, will carry the same load, however they may require different inflation pressures. When considering tire load carrying capacity, the load index may not be used independently to determine replacement tire inflation pressures. An equal to or greater load index does not always correspond to equal or greater load carrying capacity at all inflation pressure settings. Please refer to the tire manufacturer's recommended inflation pressures for the tire selected (see "Inflation Pressure: OE vs. Replacement" above). This is particularly important when comparing P-metric and non-P-Metric tires.

Speed Rating^{1,4}

- Speed rating of the tire must be equal to or greater than what is specified by the vehicle tire placard, or owner's manual, if the speed capability of the vehicle is to be maintained. For example, if the tire is labeled as P215/65R15 95H, then "95H" is the "service description" where "H" is the "speed symbol".
- If replacement tires have lower speed capability than specified by the vehicle manufacturer's recommendations, the vehicle's speed must be restricted to that of the replacement tire. Also, vehicle handling could be affected. Consult vehicle or tire manufacturers.
- If the vehicle manufacturer's recommendations do not call for speed rated tires, replacement tires may be speed rated if desired.
- If installing winter/snow tires and if the vehicle placard specifies speed rated tires, winter/snow tires of equivalent or greater speed rating must be fitted if the speed capability of the vehicle is to be maintained^{1,4}. For cases where the winter/snow tires' speed rating cannot match the OE tire, it is generally acceptable to apply a winter/snow tire with a lower speed rating than the OE tire; however, the vehicle speed is to be restricted to that of the replacement tire. Refer to the vehicle owner's manual for specific recommendations and/or restrictions regarding winter/snow tires².

Tire Size Designation Differences Between Passenger and Light Truck Tires

Passenger Tires: P-Metric, European Metric

Light Truck Tires: LT-Metric, High Flotation/Wide Base, and Numeric

These groups of tires have differences in their load and inflation characteristics, including some differences in their load capacity if they are applied to a passenger car versus a light truck. Vehicle handling may be affected when passenger tires are replaced with LT tires. Therefore, it is necessary to carefully consider these differences when considering a replacement tire that is not the same as the OE size.

IMPORTANT

Unless otherwise specified by the vehicle manufacturer, it is not recommended to replace OE LT-metric, High Flotation/Wide Base, or Numeric tires with P-metric (e.g. P205/60R15) or European metric tires (e.g. 205/60R15). Please note that European Metric tires do not have a "P" in the size designation.

Endnotes

- 1 Also see RMA Tire Information Service Bulletin Vol. 25 *Speed Ratings for Passenger and Light Truck Tires*.
- 2 Also see RMA Tire Information Service Bulletin Vol. 42 *Winter/Snow Tires and Studded Winter/Snow Tires*.
- 3 Most states have time limits on the use of studded tires. Before installing, check with state and local regulations.
- 4 Tire speed ratings do not imply that vehicles 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. Never operate a vehicle in an unsafe or unlawful manner.
- 5 Differences in overall diameter or inflation pressure may affect vehicle handling as well as the following vehicle readings: speedometer; odometer; ABS; tire pressure monitoring system; 4WD / AWD / traction control; and other electronic readings. To maintain accuracy, corrections of these readings may be necessary. Compare the nominal dimensions of placard and candidate replacement sizes. Check the vehicle manufacturer's recommendations.
- 6 For proper mounting procedures, see RMA's *Demounting and Mounting Procedures for Automobile and Light Truck (LT) Tires* wall chart (applies to tires that are being used on single-piece rims).
NOTE: Certain unique tire fitments (e.g. run-flat tires) may require more than 40 psi to seat the beads; bead seating pressures beyond 40 psi should only be applied to specific products authorized by the tire manufacturer and done in accordance with the tire manufacturer's safety procedures and other recommendations.
- 7 This means approved tire and rim combinations that are established and approved by the appropriate industry standards organizations including the Tire & Rim Association, Inc., European Tyre and Rim Technical Organisation, Japan Automobile Tyre Manufacturers Association, Inc.; or by the tire manufacturer. For more information on approved rim widths, refer to the attached *Replacement Guidelines Supplement*.

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Replacement Guidelines for Passenger and Light Truck Tires

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APPROVED RIM WIDTHS*

P-Metric Tire Sizes

Rim Widths >> (in inches) >>		3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10	11	12	13	14	
SIZE	SERIES																			
P145	80	X	X	X	X															
P155	80		X	X	X															
	70		X	X	X															
P165	80		X	X	X	X														
	70		X	X	X	X														
	65			X	X	X	X													
P175	80			X	X	X	X													
	75			X	X	X	X													
	70			X	X	X	X													
	65				X	X	X													
	60				X	X	X													
	50				X	X	X													
P185	80			X	X	X	X													
	75			X	X	X	X													
	70			X	X	X	X													
	65				X	X	X	X												
	60				X	X	X	X												
P195	75				X	X	X	X												
	70				X	X	X	X												
	65					X	X	X	X											
	60					X	X	X	X	X										
	55					X	X	X	X	X										
	50					X	X	X	X	X										
P205	75				X	X	X	X	X											
	70				X	X	X	X	X											
	65					X	X	X	X	X										
	60					X	X	X	X	X										
	55					X	X	X	X	X										
	50					X	X	X	X	X										
	45							X	X	X										
	40								X	X	X									
P215	75					X	X	X	X											
	70					X	X	X	X											
	65						X	X	X	X										
	60						X	X	X	X										
	55						X	X	X	X										
	50						X	X	X	X										
	45								X	X	X									
	40								X	X	X	X								
	35								X	X	X	X								

* SOURCE: Tire and Rim Association 2004 Yearbook

APPROVED RIM WIDTHS*

P-Metric Tire Sizes

Rim Widths >> (in inches) >>		3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10	11	12	13	14	
SIZE	SERIES																			
P225	75						X	X	X	X										
	70						X	X	X	X										
	65						X	X	X	X	X									
	60						X	X	X	X	X									
	55						X	X	X	X	X									
	50						X	X	X	X	X									
	45								X	X	X	X								
	40									X	X	X	X							
P235	75						X	X	X	X	X									
	70						X	X	X	X	X									
	65							X	X	X	X	X								
	60							X	X	X	X	X								
	55							X	X	X	X	X								
	50							X	X	X	X	X								
	45									X	X	X	X							
	40										X	X	X	X						
P245	75							X	X	X	X									
	70							X	X	X	X									
	65								X	X	X	X								
	60								X	X	X	X								
	50								X	X	X	X								
	45									X	X	X	X							
	40										X	X	X	X						
	35											X	X	X	X					
P255	75							X	X	X	X	X								
	70							X	X	X	X	X								
	65								X	X	X	X	X							
	60								X	X	X	X	X							
	55								X	X	X	X	X							
	50								X	X	X	X	X							
	45										X	X	X	X						
	40											X	X	X	X					
35												X	X	X	X					
P265	75								X	X	X	X	X							
	70								X	X	X	X	X							
	65*									X	X	X	X	X						
	60**									X	X	X	X	X						
	55									X	X	X	X	X						
	50									X	X	X	X	X						
	45											X	X	X	X					
	40												X	X	X	X				
35													X	X	X	X				

* P265/60R18 approved rim widths are 7", 7.5" 8", 8.5", 9", 9.5"

** P265/65R18 approved rim widths are 8", 8.5", 9", 9.5"

APPROVED RIM WIDTHS*

P-Metric Tire Sizes

Rim Widths >> (in inches) >>		3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10	11	12	13	14	
SIZE	SERIES																			
P275	70								X	X	X	X	X							
	65									X	X	X	X	X						
	60									X	X	X	X	X						
	55									X	X	X	X	X						
	50									X	X	X	X	X						
	45												X	X	X	X				
	40													X	X	X	X			
	35													X	X	X	X			
P285	70									X	X	X	X	X						
	65										X	X	X	X	X					
	60										X	X	X	X	X					
	55										X	X	X	X	X					
	50										X	X	X	X	X					
	40*													X	X	X				
	35													X	X	X				
* P285/40R18 approved rim widths are 9.5", 10", 10.5", 11"																				
P295	65										X	X	X	X	X					
	60										X	X	X	X	X					
	50										X	X	X	X	X					
	45													X	X	X				
	40														X	X	X			
	35														X	X	X			
P305	50											X	X	X	X	X				
	45													X	X	X				
	40														X	X	X			
P315	60											X	X	X	X	X				
	45														X	X	X			
	40															X	X			
	35																X	X		
	30																	X	X	
P325	50												X	X	X	X	X			
P335	35																X	X	X	
	30																	X	X	
P345	55														X	X	X			
	30*																	X	X	
* P345/30R19 approved rim widths are 12", 12.5", 13", 13.5", 14"																				

* SOURCE: Tire and Rim Association 2004 Yearbook

RMA Replacement Guidelines for Passenger and Light Truck Tires - SUPPLEMENT

APPROVED RIM WIDTHS*

European Metric Tire Sizes

Rim Widths >> (in inches) >>		3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10	10.5	11	11.5	12	12.5	13	13.5
SIZE	SERIES																						
125	80	X	X	X																			
135	80		X	X	X																		
	70		X	X	X																		
145	80		X	X	X	X																	
	70		X	X	X	X																	
	65			X	X	X																	
	60			X	X	X																	
155	80			X	X	X																	
	70			X	X	X																	
	65				X	X	X																
	60				X	X	X																
165	80			X	X	X	X																
	75			X	X	X																	
	70			X	X	X	X																
	65				X	X	X	X															
	60				X	X	X	X															
	55				X	X	X	X															
	50				X	X	X	X															
	45					X	X	X															
175	80				X	X	X	X															
	75				X	X	X	X															
	70				X	X	X	X															
	65					X	X	X															
	60					X	X	X															
	55					X	X	X															
	50					X	X	X															
	45						X	X	X														
185	80				X	X	X	X															
	75				X	X	X	X															
	70				X	X	X	X															
	65					X	X	X	X														
	60					X	X	X	X														
	55					X	X	X	X														
	50					X	X	X	X														
	45							X	X	X													
195	80					X	X	X	X														
	75					X	X	X	X														
	70					X	X	X	X														
	65						X	X	X	X													
	60						X	X	X	X													
	55						X	X	X	X													
	50						X	X	X	X													
	45							X	X	X	X												
	40								X	X	X												

* SOURCE: European Tyre and Rim Technical Organisation 2004 Yearbook

RMA Replacement Guidelines for Passenger and Light Truck Tires - SUPPLEMENT

APPROVED RIM WIDTHS*
European Metric Tire Sizes

Rim Widths >> (in inches) >>		3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10	10.5	11	11.5	12	12.5	13	13.5	
SIZE	SERIES																							
205	80					X	X	X	X	X														
	75					X	X	X	X	X														
	70					X	X	X	X	X														
	65						X	X	X	X	X													
	60						X	X	X	X	X													
	55						X	X	X	X	X													
	50						X	X	X	X	X													
	45								X	X	X													
	40									X	X	X												
215	80						X	X	X	X														
	75						X	X	X	X														
	70						X	X	X	X														
	65							X	X	X	X													
	60							X	X	X	X													
	55							X	X	X	X													
	50							X	X	X	X													
	45									X	X	X												
	40									X	X	X	X											
	35									X	X	X	X											
225	75							X	X	X	X													
	70							X	X	X	X													
	65							X	X	X	X	X												
	60							X	X	X	X	X												
	55							X	X	X	X	X												
	50							X	X	X	X	X												
	45									X	X	X	X											
	40										X	X	X	X										
	35										X	X	X	X										
	30											X												
235	80							X	X	X	X	X												
	75							X	X	X	X	X												
	70							X	X	X	X	X												
	65								X	X	X	X	X											
	60								X	X	X	X	X											
	55								X	X	X	X	X											
	50								X	X	X	X	X											
	45										X	X	X	X										
	40											X	X	X	X									
	35											X	X	X	X									
245	75								X	X	X	X												
	70								X	X	X	X												
	65									X	X	X	X											
	60									X	X	X	X											
	55									X	X	X	X											
	50									X	X	X	X											
	45										X	X	X	X										
	40											X	X	X	X									
	35											X	X	X	X									
	30											X	X	X										

* SOURCE: European Tyre and Rim Technical Organisation 2004 Yearbook

RMA Replacement Guidelines for Passenger and Light Truck Tires - SUPPLEMENT

APPROVED RIM WIDTHS*
European Metric Tire Sizes

Rim Widths >> (in inches) >>		3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10	10.5	11	11.5	12	12.5	13	13.5	
SIZE	SERIES																							
255	75								X	X	X	X	X											
	70								X	X	X	X	X											
	65									X	X	X	X	X										
	60									X	X	X	X	X										
	55									X	X	X	X	X										
	50									X	X	X	X	X										
	45											X	X	X	X									
	40												X	X	X	X								
	35												X	X	X	X								
	30												X	X	X									
265	75									X	X	X	X	X										
	70									X	X	X	X	X										
	65										X	X	X	X	X									
	60										X	X	X	X	X									
	55										X	X	X	X	X									
	50										X	X	X	X	X									
	45												X	X	X	X								
	40													X	X	X	X							
	35													X	X	X	X							
	30													X	X	X								
275	80									X	X	X	X	X										
	70									X	X	X	X	X										
	65										X	X	X	X	X									
	60										X	X	X	X	X									
	55										X	X	X	X	X									
	50										X	X	X	X	X									
	45												X	X	X	X	X							
	40													X	X	X	X	X						
	35													X	X	X	X	X						
	30													X	X	X								
	25															X								
285	65											X	X	X	X	X								
	60											X	X	X	X	X								
	55											X	X	X	X	X								
	50											X	X	X	X	X								
	45													X	X	X	X							
	40														X	X	X	X						
	35														X	X	X	X						
	30														X	X	X							
	25																X							
295	50											X	X	X	X	X	X							
	45														X	X	X	X						
	40															X	X	X	X					
	35															X	X	X	X					
	30															X	X	X						
	25															X	X	X						

* SOURCE: European Tyre and Rim Technical Organisation 2004 Yearbook

RMA Replacement Guidelines for Passenger and Light Truck Tires - SUPPLEMENT

APPROVED RIM WIDTHS*

European Metric Tire Sizes

Rim Widths >> (in inches) >>		3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10	10.5	11	11.5	12	12.5	13	13.5	
SIZE	SERIES																							
305	60												X	X	X	X	X	X	X					
	50												X	X	X	X	X	X						
	45														X	X	X	X	X					
	40															X	X	X	X	X	X			
	35															X	X	X	X	X	X			
	30																X	X	X					
	25																X	X	X					
315	40																X	X	X	X	X			
	35																X	X	X	X	X			
	30																X	X	X					
	25																	X	X	X				
325	50													X	X	X	X	X	X					
	40																	X	X	X	X	X		
	30																	X	X	X				
	25																		X	X	X			
335	35																	X	X	X	X	X		
	30																		X	X	X			
	25																		X	X	X			
345	60														X	X	X	X	X	X				
	35																		X	X	X	X	X	
	30																		X	X	X			
	25																			X	X	X		
355	25																				X	X	X	

* SOURCE: European Tyre and Rim Technical Organisation 2004 Yearbook

APPROVED RIM WIDTHS*

Light Truck Metric Tires

Rim Widths >> (in inches) >>			4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10	10.5	11	12	13	14
SIZE	SERIES	RIM																	
LT175	75	14	X	X	X														
LT185	75	14	X	X	X	X													
LT195	75	14		X	X	X													
	75	15			X	X													
LT205	70	14		X	X	X	X												
	75	15			X	X	X												
LT215	70	14, 16			X	X	X	X											
	75	14, 15			X	X	X	X											
	80	15			X	X	X	X											
	85	16			X	X	X	X											
LT225	70	16				X	X	X											
	75	15, 16				X	X	X											
LT235	60	17								X									
	70	15				X	X	X	X	X									
	70	16				X	X	X	X										
	75	15				X	X	X											
	80	17				X	X	X	X										
	85	16				X	X	X	X										
LT245	65	15, 17						X	X	X									
	70	15, 16					X	X	X										
	70	17					X	X	X	X									
	75	15, 17					X	X	X										
	75	16					X	X	X	X									
LT255	70	15, 16					X	X	X	X									
	75	15					X	X	X	X									
	85	16					X	X	X	X									
LT265	70	15, 16, 17						X	X	X	X								
	75	15						X	X	X	X								
	75	16						X	X	X									
LT275	65	18							X	X	X	X							
	65	20							X	X	X	X	X						
	70	16, 17, 18						X	X	X	X								
LT285	55	20								X	X	X	X	X					
	60	16								X	X	X	X						
	60	17								X	X	X							
	65	18								X	X	X	X	X					
	70	15, 17							X	X	X	X							
	75	16							X	X	X	X							
	75	17							X	X	X	X	X						
LT295	75	16							X	X	X	X	X						

APPROVED RIM WIDTHS*

Light Truck Metric Tires

Rim Widths >> (in inches) >>			4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10	10.5	11	12	13	14
SIZE	SERIES	RIM																	
LT305	70	16, 17								X	X	X	X						
LT315	55	16								X	X	X	X	X					
	70	15, 16								X	X	X	X	X					
	70	18									X	X	X	X					
	75	16								X	X	X	X	X					
LT325	55	22										X	X	X	X	X	X		
	60	15										X	X	X		X			
	60	18, 20										X	X	X		X	X		
	65	18										X	X	X		X	X		
	80	16								X	X	X	X	X		X			
LT345	55	16, 17												X		X	X		
LT355	55	16										X	X	X		X	X		
	70	16										X	X	X		X	X		
	70	17										X	X	X	X	X	X		
LT365	70	16											X	X		X			
LT375	50	18												X		X	X	X	
	55	16												X		X	X	X	
	60	18												X		X	X	X	
	65	16												X		X	X	X	
LT395	65	18														X	X	X	X
	70	16												X		X	X		

* SOURCE: Tire and Rim Association 2004 Yearbook

Replacement Guidelines for Passenger and Light Truck Tires - SUPPLEMENT

APPROVED RIM WIDTHS*

**Numeric and High Flootation
(Wide Base) Light Truck Tires**

		Rim Widths >> (in inches) >>	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10	11	12	13
		SIZE															
NUMERIC LT	BIAS	6.50-16 LT	X	X		X											
		6.70-15 LT	X	X	X	X											
		7.00-15 LT		X	X	X	X										
		7.50-16 LT			X	X	X	X									
	RADIAL	6.50 R16 LT	X	X		X											
		6.70 R15 LT	X	X	X	X											
		7.00 R15 LT		X	X	X	X										
		7.50 R16 LT			X	X	X	X									
HIGH FLOTATION (OR WIDE BASE) TIRES	27x8.50 R14 LT				X	X	X	X									
	29x9.50 R15 LT					X	X	X	X	X							
	30x9.50 R15 LT					X	X	X	X	X							
	33x9.50 R15 LT					X	X	X	X	X							
	31x10.50 R15 LT						X	X	X	X	X						
	33x10.50 R15 LT							X	X	X	X	X					
	31x11.50 R15 LT									X	X	X		X			
	32x11.50 R15 LT									X	X	X		X			
	31x12.50 R15 LT										X	X	X	X	X		
	33x12.50 R15 LT										X	X		X	X		
	35x12.50 R15 LT										X	X		X	X		
	37x12.50 R15 LT										X	X		X	X		
	33x12.50 R17 LT										X	X	X	X	X		
	35x12.50 R17 LT										X	X		X	X		
	37x12.50 R17 LT										X	X		X	X		
	37x12.50 R18 LT										X	X	X	X	X		
	37x12.50 R20 LT										X	X	X	X	X		
	35x12.50 R18 LT										X	X		X	X		
	35x13.50 R15 LT										X	X	X	X	X		
	35x13.50 R18 LT										X	X	X	X	X		
	37x13.50 R15 LT										X	X	X	X	X		
	37x13.50 R17 LT										X	X	X	X	X		
	37x13.50 R18 LT										X	X	X	X	X		
	40x13.50 R17 LT										X	X	X	X	X		
	36x14.50 R17 LT													X	X	X	
	36x14.50 R18 LT													X	X	X	
	33x15.50 R15 LT														X	X	X
	36x15.50 R15 LT														X	X	X
	38x15.50 R15 LT														X	X	X
	38x15.50 R17 LT														X	X	X
38x15.50 R18 LT														X	X	X	

* SOURCE: Tire and Rim Association 2004 Yearbook

APPROVED RIM WIDTHS*

16.5 Light Truck

Obsolete Standard								
Rim Widths >> (in inches) >>	6.00	6.75	7.50	8.25	9.75	10.50	11.25	12.00
SIZE								
8.00-16.5 LT 8.00R16.5 LT	X	X						
8.75-16.5 LT 8.75R16.5 LT	X	X						
9.50-16.5 LT 9.50R16.5 LT		X		X				
10.00-16.5 LT 10.00R16.5 LT				X				
12.00-16.5 LT 12.00R16.5 LT				X	X			
30x9.50 R16.5 LT		X	X	X				
31x10.50 R16.5 LT				X				
31x11.50 R16.5 LT				X	X			
33x12.50 R16.5 LT				X	X	X		
37x12.50 R16.5 LT				X				
36x14.50 R16.5 LT					X	X	X	X
37x14.50 R16.5 LT					X	X	X	X

* Source: Tire and Rim Association 2004 Yearbook

**LIGHT TRUCK METRIC TIRES FOR TRUCKS, BUSES, TRAILERS
AND MULTIPURPOSE PASSENGER VEHICLES USED IN NORMAL HIGHWAY SERVICE**
CUSTOMARY UNITS **RADIAL PLY TIRES MOUNTED ON 5⁰ DROP CENTER RIMS**
TABLE LTM-4A **TIRE AND RIM ASSOCIATION STANDARD**

TIRE SIZE DESIGNATION	USAGE	TIRE LOAD LIMITS (LBS.) AT VARIOUS COLD INFLATION PRESSURES (PSI)									
		35	40	45	50	55	60	65	70	75	80
50 SERIES											
LT375/50R18	DUAL	2150	2300	2500	2755	2875	3060	3195 (E) ¹²¹			
	SINGLE	2335	2530	2745	3000	3160	3360	3525 (E) ¹²⁴			
55 SERIES											
LT315/55R16	SINGLE	1875	2020	2195	2405 (D) ¹¹¹						
LT345/55R16	SINGLE	2150	2325	2525	2755 (D) ¹¹⁶						
LT375/55R16	DUAL	2270	2395	2600	2835	2990	3175	3415 (E) ¹²³			
	SINGLE	2470	2630	2855	3085	3285	3490	3750 (E) ¹²⁶			
LT345/55R17	SINGLE	2270	2410	2620	2835 (D) ¹¹⁷						
LT285/55R20	DUAL	1685	1845	2005	2205	2305	2455	2600 (D) ¹¹⁴			
	SINGLE	1850	2030	2205	2405	2535	2700	2835 (D) ¹¹⁷			
LT325/55R22	DUAL	2270	2375	2580	2835 (D) ¹¹⁷						
	SINGLE	2470	2610	2835	3085 (D) ¹²⁰						
60 SERIES											
LT325/60R15	SINGLE	2095 (C) ¹⁰⁶									
LT285/60R16	SINGLE	1750	1920	2085	2270 (C) ¹⁰⁹						
LT235/60R17	DUAL	1250	1375	1490	1610	1720	1825	1930	2035	2135	2270 (E) ¹⁰⁹
	SINGLE	1375	1510	1640	1765	1890	2005	2150	2235	2345	2470 (E) ¹¹²
LT285/60R17	SINGLE	1820	1995	2170	2335 (C) ¹¹⁰						
LT325/60R18	DUAL	2150	2285	2480	2755	2855	3030	3195 (E) ¹²¹			
	SINGLE	2335	2510	2725	3000	3135	3330	3525 (E) ¹²⁴			
LT375/60R18	DUAL	2680	2830	3070	3305 (D) ¹²²						
	SINGLE	2910	3110	3375	3640 (D) ¹²⁵						
LT325/60R20	DUAL	2335	2440	2655	2910 (D) ¹¹⁸						
	SINGLE	2535	2680	2915	3195 (D) ¹²¹						
65 SERIES											
LT245/65R15	SINGLE	1450	1595	1730	1875 (C) ¹⁰²						
LT375/65R16	DUAL	2680	2880	3125	3415 (D) ¹²³						
	SINGLE	2910	3165	3435	3750 (D) ¹²⁶						
LT245/65R17	DUAL	1435	1575	1705	1875 (C) ¹⁰²						
	SINGLE	1575	1730	1875	2040 (C) ¹⁰⁵						

(continued)

LIGHT TRUCK METRIC TIRES FOR TRUCKS, BUSES, TRAILERS AND MULTIPURPOSE PASSENGER VEHICLES USED IN NORMAL HIGHWAY SERVICE											
CUSTOMARY UNITS TABLE LTM-4A (continued)		RADIAL PLY TIRES MOUNTED ON 5⁰ DROP CENTER RIMS TIRE AND RIM ASSOCIATION STANDARD									
TIRE SIZE DESIGNATION	USAGE	TIRE LOAD LIMITS (LBS.) AT VARIOUS COLD INFLATION PRESSURES (PSI)									
		35	40	45	50	55	60	65	70	75	80
65 SERIES (CONTINUED)											
LT275/65R18	DUAL	1765	1940	2100	2335 (C) ¹¹⁰	2420	2570	2755	2865	3010	3085 (E) ¹²⁰
	SINGLE	1940	2130	2310	2535 (C) ¹¹³	2660	2825	3000	3150	3305	3415 (E) ¹²³
LT285/65R18	DUAL	1850	2035	2205	2335	2540	2700	2910 (D) ¹¹⁸			
	SINGLE	2035	2235	2425	2600	2790	2965	3195 (D) ¹²¹			
LT325/65R18	DUAL	2335	2470	2680	2910	3085	3275	3525 (D) ¹²⁴			
	SINGLE	2535	2715	2945	3195	3390	3600	3860 (D) ¹²⁷			
LT395/65R18	DUAL	3085 (C) ¹²⁰									
	SINGLE	3415 (C) ¹²³									
LT275/65R20	DUAL	1895	2075	2250	2470	2595	2755	2910	3070	3220	3415 (E) ¹²³
	SINGLE	2080	2280	2475	2680	2850	3030	3195	3375	3540	3750 (E) ¹²⁶
70 SERIES											
LT205/70R14	DUAL	1045	1150	1245	1355 (C) ⁹¹	1440	1525	1610 (D) ⁹⁷	1700	1785	1875 (E) ¹⁰²
	SINGLE	1150	1265	1370	1475 (C) ⁹⁴	1580	1675	1765 (D) ¹⁰⁰	1870	1960	2040 (E) ¹⁰⁵
LT215/70R14	DUAL	1125	1235	1340	1475 (C) ⁹⁴						
	SINGLE	1235	1355	1470	1610 (C) ⁹⁷						
LT235/70R15	DUAL	1335	1465	1595	1710 (C) ⁹⁹	1830	1945	2040 (D) ¹⁰⁵	2165	2275	2335 (E) ¹¹⁰
	SINGLE	1465	1610	1750	1875 (C) ¹⁰²	2010	2140	2270 (D) ¹⁰⁹	2380	2500	2600 (E) ¹¹⁴
LT245/70R15	DUAL	1420	1555	1695	1875 (C) ¹⁰²						
	SINGLE	1560	1710	1860	2040 (C) ¹⁰⁵						
LT255/70R15	DUAL	1505	1650	1795	1930 (C) ¹⁰³						
	SINGLE	1655	1815	1970	2150 (C) ¹⁰⁷						
LT265/70R15	DUAL	1595	1750	1900	2040 (C) ¹⁰⁵						
	SINGLE	1750	1925	2090	2270 (C) ¹⁰⁹						
LT285/70R15	DUAL	1780	1950	2120	2335 (C) ¹¹⁰	2440	2595	2755 (D) ¹¹⁶			
	SINGLE	1955	2145	2330	2535 (C) ¹¹³	2680	2850	3000 (D) ¹¹⁹			
LT315/70R15	DUAL	2150 (C) ¹⁰⁷	2275	2470	2680 (D) ¹¹⁵						
	SINGLE	2335 (C) ¹¹⁰	2500	2715	2910 (D) ¹¹⁸						
LT215/70R16	DUAL	1220	1340	1455	1610 (C) ⁹⁷						
	SINGLE	1340	1475	1600	1765 (C) ¹⁰⁰						
LT225/70R16	DUAL	1305	1435	1555	1710 (C) ⁹⁹						
	SINGLE	1435	1575	1710	1875 (C) ¹⁰²						
LT235/70R16	DUAL	1390	1525	1655	1820 (C) ¹⁰¹	1905	2030	2150 (D) ¹⁰⁷			
	SINGLE	1525	1675	1820	1985 (C) ¹⁰⁴	2095	2230	2335 (D) ¹¹⁰			

(continued)

LIGHT TRUCK METRIC TIRES FOR TRUCKS, BUSES, TRAILERS AND MULTIPURPOSE PASSENGER VEHICLES USED IN NORMAL HIGHWAY SERVICE											
CUSTOMARY UNITS TABLE LTM-4A (continued)		RADIAL PLY TIRES MOUNTED ON 5° DROP CENTER RIMS TIRE AND RIM ASSOCIATION STANDARD									
TIRE SIZE DESIGNATION	USAGE	TIRE LOAD LIMITS (LBS.) AT VARIOUS COLD INFLATION PRESSURES (PSI)									
		35	40	45	50	55	60	65	70	75	80
70 SERIES (CONTINUED)											
LT245/70R16	DUAL	1475	1620	1760	1930 (C) ¹⁰³	2025	2150	2335 (D) ¹¹⁰			
	SINGLE	1620	1780	1935	2095 (C) ¹⁰⁶	2225	2365	2535 (D) ¹¹³			
LT255/70R16	DUAL	1565	1720	1865	1985 (C) ¹⁰⁴	2150	2285	2470 (D) ¹¹²			
	SINGLE	1720	1890	2050	2205 (C) ¹⁰⁸	2360	2510	2680 (D) ¹¹⁵			
LT265/70R16	DUAL	1655	1820	1975	2150 (C) ¹⁰⁷	2275	2415	2600 (D) ¹¹⁴			
	SINGLE	1820	2000	2170	2335 (C) ¹¹⁰	2500	2655	2835 (D) ¹¹⁷			
LT275/70R16	DUAL	1750	1920	2090	2270 (C) ¹⁰⁹	2400	2555	2755 (D) ¹¹⁶			
	SINGLE	1925	2110	2295	2470 (C) ¹¹²	2640	2805	3000 (D) ¹¹⁹			
LT305/70R16	DUAL	2040	2245	2440	2680 (D) ¹¹⁵	2805	2980	3195 (E) ¹²¹	3320	3485	3640 (F) ¹²⁵
	SINGLE	2270	2465	2680	2910 (D) ¹¹⁸	3085	3275	3525 (E) ¹²⁴	3650	3830	3970 (F) ¹²⁸
LT315/70R16	DUAL	2205	2355	2560	2835 (D) ¹¹⁷						
	SINGLE	2405	2590	2815	3085 (D) ¹²⁰						
LT355/70R16	DUAL	2680	2835	3075	3305 (D) ¹²²						
	SINGLE	2910	3115	3380	3640 (D) ¹²⁵						
LT365/70R16	DUAL	2755	2960	3210	3525 (D) ¹²⁴						
	SINGLE	3000	3250	3530	3860 (D) ¹²⁷						
LT395/70R16	DUAL	3085 (C) ¹²⁰									
	SINGLE	3415 (C) ¹²³									
LT245/70R17	DUAL	1540	1690	1830	1985	2105	2240	2335 (D) ¹¹⁰	2495	2615	2755 (E) ¹¹⁶
	SINGLE	1690	1855	2010	2205	2315	2460	2600 (D) ¹¹⁴	2740	2875	3000 (E) ¹¹⁹
LT265/70R17	DUAL	1720	1890	2050	2270 (C) ¹⁰⁹	2360	2510	2680 (D) ¹¹⁵	2735	2820	2910 (E) ¹¹⁸
	SINGLE	1890	2075	2255	2470 (C) ¹¹²	2595	2760	2910 (D) ¹¹⁸	3005	3100	3195 (E) ¹²¹
LT275/70R17	DUAL	1820	1995	2165	2335 (C) ¹¹⁰						
	SINGLE	2000	2195	2380	2600 (C) ¹¹⁴						
LT285/70R17	DUAL	1915	2105	2285	2535 (C) ¹¹³	2630	2795	2910 (D) ¹¹⁸			
	SINGLE	2105	2315	2510	2755 (C) ¹¹⁶	2890	3070	3195 (D) ¹²¹			
LT305/70R17	DUAL	2205	2370	2530	2755 (D) ¹¹⁶						
	SINGLE	2405	2605	2780	3000 (D) ¹¹⁹						
LT315/70R17	DUAL	2335	2445	2665	2910 (D) ¹¹⁸						
	SINGLE	2535	2685	2915	3195 (D) ¹²¹						
LT355/70R17	DUAL	2755	2805	2855	2910 (D) ¹¹⁸						
	SINGLE	3000	3065	3130	3195 (D) ¹²¹						
LT275/70R18	DUAL	1885	2065	2250	2470	2585	2750	2910	3060	3210	3305 (E) ¹²²
	SINGLE	2070	2270	2470	2680	2840	3020	3195	3360	3530	3640 (E) ¹²⁵

(continued)

**LIGHT TRUCK METRIC TIRES FOR TRUCKS, BUSES, TRAILERS
AND MULTIPURPOSE PASSENGER VEHICLES USED IN NORMAL HIGHWAY SERVICE**
CUSTOMARY UNITS RADIAL PLY TIRES MOUNTED ON 5° DROP CENTER RIMS
TABLE LTM-4A (continued) TIRE AND RIM ASSOCIATION STANDARD

TIRE SIZE DESIGNATION	USAGE	TIRE LOAD LIMITS (LBS.) AT VARIOUS COLD INFLATION PRESSURES (PSI)									
		35	40	45	50	55	60	65	70	75	80
75 SERIES											
LT175/75R14	DUAL	870	955	1035	1135 (C) ⁸⁵						
	SINGLE	955	1050	1140	1235 (C) ⁸⁸						
LT185/75R14	DUAL	945	1035	1130	1235 (C) ⁸⁸						
	SINGLE	1040	1140	1240	1355 (C) ⁹¹						
LT195/75R14	DUAL	1015	1115	1210	1325 (C) ⁹⁰	1390	1485	1565 (D) ⁹⁶			
	SINGLE	1115	1225	1330	1435 (C) ⁹³	1530	1630	1710 (D) ⁹⁹			
LT215/75R14	DUAL	1170	1290	1395	1520 (C) ⁹⁵	1605	1710	1820 (D) ¹⁰¹			
	SINGLE	1285	1415	1535	1655 (C) ⁹⁸	1765	1880	1985 (D) ¹⁰⁴			
LT195/75R15	DUAL	1060	1165	1265	1390 (C) ⁹²						
	SINGLE	1165	1280	1390	1520 (C) ⁹⁵						
LT205/75R15	DUAL	1145	1260	1365	1520 (C) ⁹⁵	1575	1675	1765 (D) ¹⁰⁰			
	SINGLE	1260	1385	1500	1655 (C) ⁹⁸	1730	1840	1930 (D) ¹⁰³			
LT215/75R15	DUAL	1225	1340	1460	1610 (C) ⁹⁷	1680	1785	1930 (D) ¹⁰³			
	SINGLE	1345	1475	1605	1765 (C) ¹⁰⁰	1845	1960	2095 (D) ¹⁰⁶			
LT225/75R15	DUAL	1315	1440	1565	1710 (C) ⁹⁹	1800	1910	1985 (D) ¹⁰⁴			
	SINGLE	1445	1585	1720	1875 (C) ¹⁰²	1980	2100	2205 (D) ¹⁰⁸			
LT235/75R15	DUAL	1390	1530	1660	1820 (C) ¹⁰¹	1910	2030	2150 (D) ¹⁰⁷	2265	2375	2535 (E) ¹¹³
	SINGLE	1530	1680	1825	1985 (C) ¹⁰⁴	2100	2230	2335 (D) ¹¹⁰	2490	2610	2755 (E) ¹¹⁶
LT245/75R15	DUAL	1490	1635	1775	1930 (C) ¹⁰³						
	SINGLE	1635	1795	1950	2150 (C) ¹⁰⁷						
LT255/75R15	DUAL	1575	1730	1880	2040 (C) ¹⁰⁵						
	SINGLE	1730	1900	2065	2270 (C) ¹⁰⁹						
LT265/75R15	DUAL	1675	1840	1995	2205 (C) ¹⁰⁸						
	SINGLE	1840	2020	2195	2405 (C) ¹¹¹						
LT225/75R16	DUAL	1365	1500	1630	1765 (C) ¹⁰⁰	1875	1995	2150 (D) ¹⁰⁷	2220	2330	2470 (E) ¹¹²
	SINGLE	1500	1650	1790	1940 (C) ¹⁰³	2060	2190	2335 (D) ¹¹⁰	2440	2560	2680 (E) ¹¹⁵
LT245/75R16	DUAL	1545	1695	1845	2006 (C) ¹⁰⁴	2125	2255	2381 (D) ¹¹¹	2515	2640	2778 (E) ¹¹⁶
	SINGLE	1700	1865	2030	2205 (C) ¹⁰⁸	2335	2480	2623 (D) ¹¹⁴	2765	2900	3042 (E) ¹²⁰

(continued)

**LIGHT TRUCK METRIC TIRES FOR TRUCKS, BUSES, TRAILERS
AND MULTIPURPOSE PASSENGER VEHICLES USED IN NORMAL HIGHWAY SERVICE**
CUSTOMARY UNITS
TABLE LTM-4A (continued)

RADIAL PLY TIRES MOUNTED ON 5° DROP CENTER RIMS
TIRE AND RIM ASSOCIATION STANDARD

TIRE SIZE DESIGNATION	USAGE	TIRE LOAD LIMITS (LBS.) AT VARIOUS COLD INFLATION PRESSURES (PSI)									
		35	40	45	50	55	60	65	70	75	80
75 SERIES (CONTINUED)											
LT265/75R16	DUAL	1740	1910	2075	2270 (C) ¹⁰⁹	2390	2540	2755 (D) ¹¹⁶	2825	2965	3085 (E) ¹²⁰
	SINGLE	1910	2100	2280	2470 (C) ¹¹²	2625	2790	3000 (D) ¹¹⁹	3105	3260	3415 (E) ¹²³
LT285/75R16	DUAL	1940	2130	2310	2535 (C) ¹¹³	2660	2830	3000 (D) ¹¹⁹			
	SINGLE	2130	2340	2540	2755 (C) ¹¹⁶	2925	3110	3305 (D) ¹²²			
LT295/75R16	DUAL	2040	2240	2430	2680 (C) ¹¹⁵	2795	2965	3085 (D) ¹²⁰			
	SINGLE	2240	2460	2670	2910 (C) ¹¹⁸	3070	3260	3415 (D) ¹²³			
LT315/75R16	SINGLE	2535 (C) ¹¹³	2715	2950	3195 (D) ¹²¹						
LT245/75R17	DUAL	1610	1770	1920	2040	2210	2360	2535	2640	2775	2910 (E) ¹¹⁸
	SINGLE	1770	1945	2110	2270	2430	2595	2755	2900	3050	3195 (E) ¹²¹
LT285/75R17	DUAL	2010	2210	2400	2600	2690	2800	2910 (D) ¹¹⁸			
	SINGLE	2210	2430	2640	2835	2955	3075	3195 (D) ¹²¹			
80 SERIES											
LT215/80R15	DUAL	1275	1395	1515	1655	1745	1855	1930 (D) ¹⁰³			
	SINGLE	1400	1535	1665	1820	1920	2040	2150 (D) ¹⁰⁷			
LT325/80R16	DUAL	2535	2705	2935	3195 (D) ¹²¹						
	SINGLE	2755	2970	3225	3525 (D) ¹²⁴						
LT235/80R17	DUAL	1570	1725	1870	2040	2190	2315	2470	2560	2685	2835 (E) ¹¹⁷
	SINGLE	1725	1895	2055	2270	2405	2545	2680	2815	2950	3085 (E) ¹²⁰
85 SERIES											
LT215/85R16	DUAL	1360	1490	1625	1765 (C) ¹⁰⁰	1865	1985	2150 (D) ¹⁰⁷	2210	2320	2470 (E) ¹¹²
	SINGLE	1495	1640	1785	1940 (C) ¹⁰³	2050	2180	2335 (D) ¹¹⁰	2430	2550	2680 (E) ¹¹⁵
LT235/85R16	DUAL	1545	1700	1845	2006 (C) ¹⁰⁴	2125	2260	2381 (D) ¹¹¹	2515	2645	2778 (E) ¹¹⁶
	SINGLE	1700	1870	2030	2205 (C) ¹⁰⁸	2335	2485	2623 (D) ¹¹⁴	2765	2905	3042 (E) ¹²⁰
LT255/85R16	DUAL	1745	1920	2085	2270 (C) ¹⁰⁹	2400	2550	2755 (D) ¹¹⁶			
	SINGLE	1920	2110	2290	2470 (C) ¹¹²	2635	2800	3000 (D) ¹¹⁹			

NOTES 1: Letters in parentheses denote Load Range for which Bold Face Loads are maximum. Numbers after Load Range parentheses are international Load Index numbers.

2: General Data shown on Page 2-16 thru 2-21.

IMPORTANT - For Tire Load and inflation requirements at various speeds, see Page 2-04.
 - For Rim and Wheel load information, see Page 2-05.
 - ALWAYS USE APPROVED TIRE AND RIM COMBINATIONS FOR DIAMETERS AND CONTOURS.
 SEE PAGES 2-16 THROUGH 2-21 FOR APPROVED TIRE AND RIM COMBINATIONS.

**RADIAL PLY
LIGHT TRUCK HIGH FLOTATION TIRES
FOR TRUCKS, TRAILERS AND MULTIPURPOSE PASSENGER VEHICLES IN NORMAL HIGHWAY SERVICE
TABLE LTF-2**

TIRE SIZE DESIGNATION	TIRE LOAD LIMITS AT VARIOUS COLD INFLATION PRESSURES						
	kPa <i>psi</i>	170 25	210 30	250 35	280 40	310 45	350 50
27x8.50R14LT	kg <i>lbs.</i>	425 940	490 1075	545(B) ⁸⁷ 1200(B)	590 1305	640 1415	690(C) ⁹⁵ 1520(C)
29x9.50R15LT	kg <i>lbs.</i>	515 1135	585 1290	650(B) ⁹³ 1435(B)	715 1575	770 1700	825(C) ¹⁰¹ 1820(C)
30x9.50R15LT	kg <i>lbs.</i>	560 1240	640 1410	710(B) ⁹⁶ 1565(B)	780 1715	840 1855	900(C) ¹⁰⁴ 1985(C)
33x9.50R15LT	kg <i>lbs.</i>	710 1565	805 1780	900 1980	985 2170	1065 2345	1150(C) ¹¹³ 2535(C)
31x10.50R15LT	kg <i>lbs.</i>	635 1400	725 1595	800(B) ¹⁰⁰ 1765(B)	880 1945	955 2100	1030(C) ¹⁰⁹ 2270(C)
33x10.50R15LT	kg <i>lbs.</i>	740 1630	840 1855	925(B) ¹⁰⁵ 2040(B)	1025 2260	1110 2445	1180(C) ¹¹⁴ 2600(C)
31x11.50R15LT	kg <i>lbs.</i>	660 1455	755 1660	825(B) ¹⁰¹ 1820(B)	915 2020	990 2185	1060(C) ¹¹⁰ 2335(C)
32x11.50R15LT	kg <i>lbs.</i>	715 1575	815 1795	900(B) ¹⁰⁴ 1985(B)	990 2185	1070 2360	1150(C) ¹¹³ 2535(C)
31x12.50R15LT	kg <i>lbs.</i>	690 1520	780 1715	875(C) ¹⁰³ 1930(C)			
33x12.50R15LT	kg <i>lbs.</i>	800 (B) ¹⁰⁰ 1765 (B)	905 2000	1000(C) ¹⁰⁸ 2205(C)			
35x12.50R15LT	kg <i>lbs.</i>	925 2040	1040 2295	1150(C) ¹¹³ 2535(C)			
37x12.50R15LT	kg <i>lbs.</i>	1030 (B) ¹⁰⁹ 2270 (B)	1180 2600	1320(C) ¹¹⁸ 2910(C)			

See notes on page 2-24

(continued)

**RADIAL PLY
LIGHT TRUCK HIGH FLOTATION TIRES
FOR TRUCKS, TRAILERS AND MULTIPURPOSE PASSENGER VEHICLES IN NORMAL HIGHWAY SERVICE**

TABLE LTF-2 (continued)

TIRE SIZE DESIGNATION	TIRE LOAD LIMITS AT VARIOUS COLD INFLATION PRESSURES						
	kPa <i>psi</i>	170 25	210 30	250 35	280 40	310 45	350 50
33x12.50R17LT	kg <i>lbs.</i>	730 1610	840 1850	925 (C) ¹⁰⁵ 2040 (C)	1025 2255	1105 2440	1180 (D) ¹¹⁴ 2600 (D)
35x12.50R17LT	kg <i>lbs.</i>	850 1875	980 2155	1090 (C) ¹¹¹ 2405 (C)	1190 2625	1290 2840	1360 (D) ¹¹⁹ 3000 (D)
37x12.50R17LT	kg <i>lbs.</i>	975 2150	1120 2470	1250 (C) ¹¹⁶ 2755 (C)	1365 3005	1475 3250	1600 (D) ¹²⁴ 3525 (D)
35x12.50R18LT	kg <i>lbs.</i>	825 1820	940 2075	1060 2335	1150 2530	1240 2735	1320 (D) ¹¹⁸ 2910 (D)
37x12.50R18LT	kg <i>lbs.</i>	950 2095	1085 2395	1215 2680	1320 2915	1430 3150	1550 (D) ¹²³ 3415 (D)
37x12.50R20LT	kg <i>lbs.</i>	875 1930	1010 2225	1120 2470	1225 2705	1325 2925	1400 (D) ¹²⁰ 3085 (D)
35x13.50R15LT	kg <i>lbs.</i>	950 2095	1075 2370	1180 (C) ¹¹⁴ 2600 (C)			
37x13.50R15LT	kg <i>lbs.</i>	1060 2335	1220 2690	1360 (C) ¹¹⁹ 3000 (C)			
37x13.50R17LT	kg <i>lbs.</i>	1000 2205	1155 2550	1285 2835	1340 2955	1395 3075	1450 (D) ¹²¹ 3195 (D)
38x13.50R17LT	kg <i>lbs.</i>	1090 2405	1230 2715	1360 (C) ¹¹⁹ 3000 (C)			
40x13.50R17LT	kg <i>lbs.</i>	1215 2680	1385 3055	1450 (C) ¹²¹ 3195 (C)			

See Notes on page 2-24.

(continued)

**RADIAL PLY
LIGHT TRUCK HIGH FLOTATION TIRES
FOR TRUCKS, TRAILERS AND MULTIPURPOSE PASSENGER VEHICLES IN NORMAL HIGHWAY SERVICE**

TABLE LTF-2 (continued)

TIRE SIZE DESIGNATION	TIRE LOAD LIMITS AT VARIOUS COLD INFLATION PRESSURES						
	kPa <i>psi</i>	170 25	210 30	250 35	280 40	310 45	350 50
35x13.50R18LT	kg <i>lbs.</i>	850 1875	970 2140	1090 2405	1180 2605	1275 2815	1360 (D) ¹¹⁹ 3000 (D)
37x13.50R18LT	kg <i>lbs.</i>	975 2150	1120 2470	1250 2755	1365 3005	1475 3250	1600 (D) ¹²⁴ 3525 (D)
36x14.50R15LT	kg <i>lbs.</i>	1030 (B) ¹⁰⁹ 2270 (B)	1185 2610	1320 (C) ¹¹⁸ 2910 (C)			
36x14.50R17LT	kg <i>lbs.</i>	975 2150	1115 2455	1250 2755	1315 2900	1385 3050	1450 (D) ¹²¹ 3195 (D)
36x14.50R18LT	kg <i>lbs.</i>	950 2095	1075 2370	1180 2600	1310 2885	1415 3115	1500 (D) ¹²² 3305 (D)
33x15.50R15LT	kg <i>lbs.</i>	875 1930	990 2185	1090 (C) ¹¹¹ 2405 (C)			
36x15.50R15LT	kg <i>lbs.</i>	1060 2335	1220 2690	1360 (C) ¹¹⁹ 3000 (C)			
38x15.50R15LT	kg <i>lbs.</i>	1215 2680	1380 3040	1550 (C) ¹²³ 3415 (C)			
38x15.50R17LT	kg <i>lbs.</i>	1150 2535	1310 2885	1450 (C) ¹²¹ 3195 (C)			
38x15.50R18LT	kg <i>lbs.</i>	1120 2470	1270 2800	1400 3085	1545 3405	1670 3685	1800 (D) ¹²⁸ 3970 (D)

NOTES 1: Letters in parentheses denote Load Range for which Bold Face Loads are maximum. Numbers after Load Range parentheses are international Load Index numbers.
2: General Data shown on pages 2-25, 2-26 and 2-27.

**LIGHT TRUCK TIRES
FOR TRUCKS, BUSES, TRAILERS AND MULTIPURPOSE PASSENGER VEHICLES
USED IN NORMAL HIGHWAY SERVICE
TIRES MOUNTED ON 5° DROP CENTER RIMS
TIRE AND RIM ASSOCIATION STANDARD**

TABLE LT-2

TIRE SIZE DESIGNATION	USAGE	TIRE LOAD LIMITS AT VARIOUS COLD INFLATION PRESSURES										
		kPa	250	280	310	350	380	410	450	480	520	550
		psi	35	40	45	50	55	60	65	70	75	80
		kPa	210	250	280	310	350	380	410	450	480	520
		psi	30	35	40	45	50	55	60	65	70	75
6.50*16LT	DUAL	kg	510	555	600	650(C) ⁹³	680	720	750(D) ⁹⁸	795	830	875(E) ¹⁰³
		lbs.	1120	1225	1320	1435(C)	1500	1590	1655(D)	1750	1830	1930(E)
	SINGLE	kg	575	630	680	730(C) ⁹⁷	775	815	875(D) ¹⁰³	905	945	975(E) ¹⁰⁷
		lbs.	1270	1390	1500	1610(C)	1710	1800	1930(D)	1990	2080	2150(E)
6.70*15LT	DUAL	kg	480	530	575	615(C) ⁹¹	655	690	730(D) ⁹⁷	760	795	825(E) ¹⁰¹
		lbs.	1060	1170	1265	1355(C)	1440	1520	1610(D)	1670	1750	1820(E)
	SINGLE	kg	550	600	650	690(C) ⁹⁵	740	780	825(D) ¹⁰¹	860	900	925(E) ¹⁰⁵
		lbs.	1210	1320	1430	1520(C)	1630	1720	1820(D)	1900	1980	2040(E)
7.00*15LT	DUAL	kg	540	595	645	690(C) ⁹⁵	735	780	825(D) ¹⁰¹	850	890	925(E) ¹⁰⁵
		lbs.	1190	1310	1420	1520(C)	1620	1715	1820(D)	1870	1960	2040(E)
	SINGLE	kg	610	670	730	775(C) ⁹⁹	830	880	925(D) ¹⁰⁵	965	1005	1060(E) ¹¹⁰
		lbs.	1350	1480	1610	1710(C)	1830	1940	2040(D)	2130	2220	2335(E)
7.50*16LT	DUAL	kg	650	710	765	825(C) ¹⁰¹	875	925	975(D) ¹⁰⁷	1020	1065	1120(E) ¹¹²
		lbs.	1430	1565	1690	1820(C)	1930	2040	2150(D)	2245	2345	2470(E)
	SINGLE	kg	735	805	875	925(C) ¹⁰⁵	995	1050	1120(D) ¹¹²	1160	1210	1250(E) ¹¹⁶
		lbs.	1620	1770	1930	2040(C)	2190	2310	2470(D)	2560	2670	2755(E)

*Tire size designation will include "R" (Radial Ply) or "-" (Diagonal or Bias Ply).

NOTES 1: Letters in parentheses denote Load Range for which Bold Face Loads are maximum. Numbers after Load Range parentheses are international Load Index numbers.

2: General Data shown on Page 2-29.

IMPORTANT -For Tire Load and Inflation requirements at various speeds, see Page 2-04.

-For rim and wheel load information, see Page 2-05.

-ALWAYS USE APPROVED TIRE AND RIM COMBINATIONS FOR DIAMETERS AND CONTOURS. SEE PAGE 2-29 FOR APPROVED TIRE AND RIM CONTOURS.

**OBSOLETE STANDARD
LIGHT TRUCK WIDE BASE TIRES FOR TRUCKS, BUSES, TRAILERS AND
MULTIPURPOSE PASSENGER VEHICLES USED IN NORMAL HIGHWAY SERVICE
TIRES MOUNTED ON 15° DROP CENTER RIMS
TIRE AND RIM ASSOCIATION STANDARD**

TABLE WBLT-1C

TIRE SIZE DESIGNATION	S I N G L E (D) D U A L (S)	TIRE LOAD LIMITS AT VARIOUS COLD INFLATION PRESSURES													
		RADIAL PLY													
		kPa	240	280	310	340	380	410	450	480	520	550	590	620	660
psi	35	40	45	50	55	60	65	70	75	80	85	90	95		
DIAGONAL (BIAS) PLY															
kPa	210	240	280	310	340	380	410	450	480	520	550	590	620		
psi	30	35	40	45	50	55	60	65	70	75	80	85	90		
8.00*16.5LT	D	kPa	540	595	640	690(C) ⁹⁵	735	775	825(D) ¹⁰¹	855	895	925(E) ¹⁰⁵	965	1000	1030(F) ¹⁰⁹
		lbs.	1195	1310	1415	1520(C)	1620	1710	1820(D)	1885	1970	2040(E)	2130	2200	2270(F)
	S	kPa	615	675	730	800(C) ¹⁰⁰	835	880	925(D) ¹⁰⁵	975	1020	1060(E) ¹¹⁰	1100	1130	1180(F) ¹¹⁴
		lbs.	1360	1490	1610	1765(C)	1840	1945	2040(D)	2145	2240	2335(E)	2420	2500	2600(F)
8.75*16.5LT	D	kPa	625	685	740	800(C) ¹⁰⁰	840	895	950(D) ¹⁰⁶	985	1030	1090(E) ¹¹¹	1110	1150	1215(F) ¹¹⁵
		lbs.	1380	1515	1630	1765(C)	1855	1970	2095(D)	2175	2260	2405(E)	2450	2540	2680(F)
	S	kPa	710	780	840	900(C) ¹⁰⁴	955	1020	1090(D) ¹¹¹	1120	1170	1215(E) ¹¹⁵	1260	1310	1360(F) ¹¹⁹
		lbs.	1570	1720	1850	1985(C)	2110	2240	2405(D)	2470	2570	2680(E)	2780	2880	3000(F)
9.50*16.5LT	D	kPa	740	810	875	950(C) ¹⁰⁶	1000	1060	1120(D) ¹¹²	1170	1220	1285(E) ¹¹⁷			
		lbs.	1635	1785	1925	2095(C)	2200	2330	2470(D)	2570	2685	2835(E)			
	S	kPa	845	920	995	1090(C) ¹¹¹	1130	1200	1285(D) ¹¹⁷	1320	1380	1450(E) ¹²¹			
		lbs.	1860	2030	2190	2405(C)	2500	2650	2835(D)	2920	3050	3195(E)			
10*16.5LT	D	kPa	730(B) ⁹⁷	805	865	925(C) ¹⁰⁶	990	1050	1120(D) ¹¹²	1150	1200	1250(E) ¹¹⁶			
		lbs.	1610(B)	1770	1910	2040(C)	2180	2310	2470(D)	2540	2650	2755(E)			
	S	kPa	850(B) ¹⁰²	910	985	1060(C) ¹¹⁰	1120	1190	1250(D) ¹¹⁶	1310	1370	1450(E) ¹²¹			
		lbs.	1875(B)	2010	2170	2335(C)	2480	2620	2755(D)	2885	3010	3195(E)			
12*16.5LT	D	kPa	950(B) ¹⁰⁶	1030	1120	1215(C) ¹¹⁵	1270	1350	1450(D) ¹²¹	1490	1550	1650(F) ¹²⁵			
		lbs.	2095(B)	2280	2460	2680(C)	2810	2970	3195(D)	3275	3420	3640(F)			
	S	kPa	1090(B) ¹¹¹	1170	1270	1360(C) ¹¹⁹	1450	1530	1650(D) ¹²⁵	1690	1760	1850(F) ¹²⁹			
		lbs.	2405(B)	2590	2800	3000(C)	3190	3370	3640(D)	3720	3885	4080(F)			

*Tire size designation will include "R" (Radial Ply) or "-" (Diagonal or Bias Ply)

NOTE 1: Letters in parentheses denote Load Range for which Bold Face Loads are maximum. International Load Index numbers are shown after Load Range.

2: The above loads were revised for the 2001 Year Book to comply with U. S. Federal regulations requiring S. I. unites. Previous loads are shown in 2000 Year Book.

IMPORTANT -For Tire Load and Inflation requirements at various speeds, see Page 2-04. For rim and wheel load information, see Page 2-05.

-ALWAYS USE APPROVED TIRE AND RIM COMBINATIONS FOR DIAMETERS AND CONTOURS.

SEE PAGE S-23 FOR APPROVED TIRE AND RIM COMBINATIONS.

GENERAL DATA SHOWN ON PAGE S-23.

**OBSOLETE STANDARD
LIGHT TRUCK TIRES FOR TRUCKS, BUSES, TRAILERS AND MULTIPURPOSE PASSENGER VEHICLES
USED IN NORMAL HIGHWAY SERVICE
TIRES MOUNTED ON 15° DROP CENTER RIMS
TIRE AND RIM ASSOCIATION STANDARD**

TABLE STLT-1C

TIRE SIZE DESIGNATION	USAGE	TIRE LOAD LIMITS AT VARIOUS COLD INFLATION PRESSURES														
		kPa	240	280	310	340	380	410	450	480	520	550	590	620	660	690
		psi	35	40	45	50	55	60	65	70	75	80	85	90	95	100
8-14.5LT	DUAL	kg	605	650	700	745	785	825	865	925(D) ¹⁰⁵	945	980	1030(E) ¹⁰⁹	1050	1080	1120(F) ¹¹²
		lbs.	1330	1430	1540	1640	1730	1820	1910	2040(D) ¹⁰⁵	2080	2160	2270(E) ¹⁰⁹	2310	2380	2470(F) ¹¹²
	SINGLE	kg	685	740	795	845	895	940	985	1030(D) ¹⁰⁹	1070	1110	1150(E) ¹¹³	1190	1230	1285(F) ¹¹⁷
		lbs.	1510	1630	1750	1860	1970	2070	2170	2270(D) ¹⁰⁹	2360	2450	2535(E) ¹¹³	2620	2710	2835(F) ¹¹⁷
9-14.5LT	DUAL	kg	700	755	805	855	910	955	1010	1060(D) ¹¹⁰	1090	1130	1180(E) ¹¹⁴	1215	1245	1285(F) ¹¹⁷
		lbs.	1540	1660	1780	1890	2010	2110	2220	2335(D) ¹¹⁰	2400	2490	2600(E) ¹¹⁴	2680	2750	2835(F) ¹¹⁷
	SINGLE	kg	795	855	915	975	1035	1090	1140	1215(D) ¹¹⁵	1240	1280	1360(E) ¹¹⁹	1380	1420	1500(F) ¹²²
		lbs.	1750	1890	2020	2150	2280	2400	2510	2680(D) ¹¹⁵	2730	2830	3000(E) ¹¹⁹	3040	3130	3305(F) ¹²²
8-17.5LT	DUAL	kg	715	770	825(C) ¹⁰¹	205	930	975(D) ¹⁰⁷	1030	1070	1120(E) ¹¹²					
		lbs.	1575	1700	1820(C) ¹⁰¹	450	2050	2150(D) ¹⁰⁷	2260	2360	2470(E) ¹¹²					
	SINGLE	kg	810	880	950(C) ¹⁰⁶	1000	1060	1120(D) ¹¹²	1170	1220	1285(E) ¹¹⁷					
		lbs.	1790	1940	2095(C) ¹⁰⁶	2205	2335	2470(D) ¹¹²	2575	2685	2835(E) ¹¹⁷					

NOTE 1: Letters in parentheses denote Load Range for which Bold Face Loads are maximum.
 2: The above loads were revised for the 2001 Year Book to comply with U. S. Federal regulations requiring S. I. units. Previous loads are shown in 2000 Year Book.
IMPORTANT - For Tire Load and Inflation requirements at various speeds, see page 2-04. For rim and wheel load information, see page 2-05.
 - ALWAYS USE APPROVED TIRE AND RIM COMBINATIONS FOR DIAMETERS AND CONTOURS.
 SEE TABLE BELOW FOR APPROVED TIRE AND RIM COMBINATIONS.

GENERAL DATA

TIRE SIZE DESIGNATION	DESIGN RIM WIDTH	DESIGN NEW TIRE			MINIMUM SIZE FACTOR	MINIMUM DUAL SPACING	*MINIMUM FLAP WIDTH	TR TUBE VALVE	APPROVED RIM CONTOURS
		SECTION WIDTH	OVERALL DIAMETER						
			HIGHWAY TREAD	TRACTION TREAD					
8-14.5LT	6.00	8.00	27.82	--	35.32	--	6.7	15C W	6.00MH
9-14.5LT	7.00	9.50	28.00	--	36.95	--	7.7	15C W	7.00MH
8-17.5LT	5.25	7.85	31.02	31.46	38.31	9.2	6.0	15C W	5.25

*Flaps are required with all rims with valve slots and are optional on rims with valve holes.

NOTES 1: Rim valves for tubeless operation on drop center rims are shown in Section 9.

2: Tube size designation same as tire size designation. Consult page 9-02 for acceptable alternate valves.

3: Suggested flap size marking shall include rim diameter designation and flap width. Example: 17.5-6.0LT; 17.5 = Rim diameter designation, 6.0 = Flap width, LT - For light truck usage.

4: See page 2-05 for information on grown tires in service, use of tire chains, minimum size factor and tire width adjustments for alternate rim widths.

IMPORTANT: FOR RIM AND WHEEL LOAD INFORMATION, SEE PAGE 2-05.

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