

KNOWING AND MAINTAINING

YOUR

R. V. TIRES

BY: BILL RACAVICH

HOW TO READ DOT IDENTIFICATION

DEPARTMENT OF TRANSPORTATION SAFETY CODE

The Department of Transportation (DOT) insignia is your tire's identification number. Think of it as a birth certificate for your tire. It shows the plant where your tire was manufactured, the week and year it was produced and more.

DOT SAFETY CODE TRANSLATION



DOT: Identification

B6: Plant Code (US3)

D0: Optional code for size

L8M: Dimensional code (sculpture)

5008: Week and year produced

The Inflation Loading

Proper Tire Inflation

Correct tire inflation is a key component in tire care. The recommended maximum inflation pressures for your tires are indicated on the certification label or in your owner's manual. Since 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 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 standard.

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

Underinflation brings a higher risk of susceptibility to damage due to road hazards, reduces casing durability, and causes a loss in fuel economy, plus uneven or irregular tire wear. Severe or prolonged underinflation brings about an increased risk of tread separation.

IMPORTANT: It's a common practice for RV owners to lower tire pressure in their search for a smoother ride. This is not only dangerous, it's relatively ineffective, as the difference in ride quality is not significant. When minimum inflation pressure requirements are not met, tire durability and optimum operating conditions are compromised. Tire inflation pressure should always meet at least the minimum guidelines for vehicle weight.

Tire Inflation Guidelines

Check your tires' air pressures at least once a month, before each trip and each morning you drive during a trip. Tire pressure should be checked cold, or before you have driven that day, as tire pressure ratings have been designed with typical running heat/pressure build-up in mind. Remember to check the air pressures of the inside tires in dual fitments and make sure the valves and caps are free of dirt and moisture.

- It may be necessary to inflate your tires at a truck stop or truck service center in order to achieve adequate air pressure for your coach's needs

- Only permanent air seal metal valve caps should be used
- Be safe - if a tire has been run 20% underinflated, it must be dismantled and inspected by a trained professional. It should not be aired up without a full inspection or without using a safety cage. Use a calibrated gauge. If your tire is rated for higher inflation pressures, a special gauge will be required designed for larger tires.
- Maintain mated duals at equal inflation pressures
- Don't bleed air from warm tires to reduce pressure buildup
- Don't inflate tires to cold PSI rating beyond rim specifications
- Don't run one dual at low inflation pressure or flat

Tire Loading

Tire pressure is what enables your RV tire to support loads. Overloading your tires can have serious consequences for passengers and your RV. Too much weight can cause stress on your RV's suspension system, brake failure, shock absorber damage, handling and steering problems, irregular tire wear and possible tire failure. Excessive loads or underinflation can lead to an excessive amount of heat and tire failure. If you discover that your tires cannot handle the load, lighten the weight of the load or install tires with a higher carrying capacity. Remember to consult your owner's manual, a Goodyear retailer, or the RV manufacturer for information concerning selection and installation of new tires.

Tire pressure should never be reduced below the vehicle manufacturer's recommended levels to support load conditions in order to improve the ride quality of a vehicle. The difference in ride quality is not significant. When minimum inflation pressure requirements are not met, tire durability and optimum operation can be affected.

Inflation Pressure for Uneven Vehicle Weight Distribution:

- Select a tire with load carrying capacity designed to handle the maximum load point

Inflation Pressure for Uneven Vehicle Weight Distribution:

- Select a tire with load carrying capacity designed to handle the maximum load point
- For each axle determine the correct inflation pressure needed for that size tire to handle the maximum load
- Inflate all tires on that axle to this same inflation pressure

Tire Load Pressure Tables

Goodyear Tires

LOAD/INFLATION INFORMATION FOR RV ST METRIC TIRES
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 (MPH)	Inflation Pressure - PSI										
		15	20	25	30	35	40	45	50	55	60	65
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)

LOAD/INFLATION INFORMATION FOR RV TIRES
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															
		35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110
LT215/75R15	S	1345	1475	1600	1765(C)	1845	1960	2095(D)									
	D	1225	1340	1455	1610(C)	1680	1785	1930(D)									
LT235/75R15	S	1530	1680	1825	1895(C)	2100	2230	2335(D)									
	D	1390	1530	1660	1820(C)	1910	2030	2150(D)									
LT225/75R16	S	1500	1650	1790	1940(C)	2060	2190	2335(D)	2440	2560	2680(E)						
	D	1365	1500	1630	1765(C)	1875	1995	2150(D)	2200	2330	2470(E)						
LT245/75R16	S	1700	1865	2030	2205(C)	2335	2480	2623(D)	2765	2900	3042(E)						
	D	1545	1695	1845	2006(C)	2125	2255	2381(D)	2515	2640	2778(E)						
LT215/85R16	S	1495	1640	1785	1940(C)	2050	2180	2335(D)	2430	2550	2680(E)						
	D	1360	1490	1625	1765(C)	1865	1985	2150(D)	2210	2320	2470(E)						
LT235/85R16	S	1700	1870	2030	2205	2335	2485	2623(D)	2765	2905	3042(E)	3170	3300	3415	3550	3675	3750(G)
	D	1545	1700	1845	2006	2125	2260	2381(D)	2515	2645	2778(E)	2885	3005	3085	3230	3345	3415(G)
7.50R16LT	S	1620	1770	1930	2040(C)	2190	2310	2470(D)	2560	2670	2755(E)						
	D	1430	1565	1690	1820(C)	1930	2040	2150(D)	2245	2345	2470(E)						
8.75R16.5	S						2240	2405	2470	2570	2680(E)						
	D						1970	2095	2175	2260	2405(E)						

*Industry standards for load & inflation are in the process of being revised. These tables are current as of 01/01/05. For the most current information, please visit the RV Tire section of Goodyear's Web site at www.goodyear.com/rv.

LOAD/INFLATION INFORMATION FOR RV TIRES

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

Tire Size	Max Speed Rating (MPH)	Single (S) Dual (D)	Inflation Pressure - PSI											
			70	75	80	85	90	95	100	105	110	115	120	125
215/17.5	75	S					3695	3860	4020	4180	4340	4495	4650	4806(H)
		D					3490	3645	3800	3950	4100	4245	4395	4540(H)

LOAD/INFLATION INFORMATION FOR RV TIRES

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 (MPH)	Single (S) Dual (D)	Inflation Pressure - PSI											
			65	70	75	80	85	90	95	100	105	110	115	120
8R19.5	75	S	2410	2540	2680	2835	2955	3075	3195	3305	3415	3525(F)		
		D	2350	2460	2610	2755	2865	2975	3085	3195	3305	3415(F)		
225/70R19.5	75	S		2895	3040	3195	3315	3450	3640(F)	3715	3845	3970(G)		
		D		2720	2860	3000	3115	3245	3415(F)	3490	3615	3750(G)		
245/70R19.5	75	S		3640	3740	3890	4080(F)	4190	4335	4540(G)				
		D		3415	3515	3655	3970(F)	4115	4265	4410(G)				
245/70R19.5	75	S				3640	3740	3890	4080(F)	4190	4335	4540(G)		
		D				3415	3515	3655	3970(F)	4115	4265	4410(G)		
265/70R19.5	75	S				3970	4180	4355	4540	4685	4850	5070	5170	5355(G)
		D				3750	3930	4095	4300	4405	4560	4805	4860	5070(G)

*Tires produced after 2/28/06.

Tire Size	Max Speed Rating (MPH)	Single (S) Dual (D)	Inflation Pressure - PSI											
			70	75	80	85	90	95	100	105	110	115	120	
9R22.5	75	S	3370	3560	3730	3890	4080	4235	4390	4540(F)				
		D	3270	3410	3550	3690	3860	4005	4150	4300(F)				
10R22.5	65	S	4080	4280	4480	4675	4850	5025	5205(F)	5360	5515	5675(G)		
		D	3860	4045	4230	4410	4585	4760	4940(F)	5075	5210	5355(G)		
11R22.5	75	S	4530	4770	4990	5220	5510	5730	5950	6175(G)	6320	6465	6610(H)	
		D	4380	4580	4760	4950	5205	5415	5625	5840(G)	5895	5950	6005(H)	
12R22.5	75	S	4940	5200	5450	5690	6005	6205	6405	6610	6870	7130	7390(H)	
		D	4780	4990	5190	5390	5675	5785	5895	6005	6265	6525	6780(H)	
245/75R22.5	75	S	3470	3645	3860	3980	4140	4300	4455	4610	4675(G)			
		D	3260	3425	3640	3740	3890	4080	4190	4335	4410(G)			

LOAD/INFLATION INFORMATION FOR RV TIRES

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 (MPH)	Single (S) Dual (D)	Inflation Pressure - PSI											
			70	75	80	85	90	95	100	105	110	115	120	125
255/70R22.5	75	S			4190	4370	4550	4675	4895	5065	5205	5400	5510(H)	
		D			3970	4110	4275	4410	4455	4610	4675	4915	5070(H)	
265/75R22.5	75	S	3875	4070	4255	4440	4620	4800	4975	5150	5205(G)			
		D	3870	4040	4205	4370	4525	4685	4805(G)					
275/70R22.5	75	S				5170	5400	5630	5850	6070	6290	6510	6730	6940(H)
		D				4770	4980	5180	5390	5590	5800	6000	6200	6395(H)
275/70R22.5 (G159)	75	S				4885	5080	5305	5530	5750	5965	6185	6400	6610(H)
		D				4535	4750	4960	5165	5370	5575	5775	5975	6175(H)
275/80R22.5	75	S					5500	5745	5985	6225	6460	6700	6930	7160(H)
		D					5080	5305	5530	5750	5965	6185	6400	6610(H)

Tire Size	Max Speed Rating (MPH)	Single (S) Dual (D)	Inflation Pressure - PSI											
			75	80	85	90	95	100	105	110	115	120	125	130
295/75R22.5	75	S	4725	4940	5155	5370	5510	5780	5980	6175(G)	6370	6610(H)		
		D	4690	4885	5070	5260	5440	5675(G)	5800	6005(H)				
295/80R22.5	75	S		5480	5750	6020	6285	6550	6810	7070	7320	7580	7830(H)	
		D		4855	5100	5335	5570	5805	6035	6265	6490	6720	6940(H)	
315/80R22.5	75	S			6415	6670	6940	7190	7440	7610	7920	8270	8680	9090(L)
		D			5840	6070	6395	6540	6770	6940	7210	7610	7940	8270(L)
11R24.5	75	S		5310	5550	5840	6095	6350	6610(G)	6790	6970	7160(H)		
		D		5070	5260	5510	5675	5840	6005(G)	6205	6405	6610(H)		

*Industry standards for load & inflation are in the process of being revised. These tables are current as of 01/01/05. For the most current information, please visit the RV Tire section of Goodyear's Web site at www.goodyear.com/rv.

Load and Inflation Tables for MICHELIN® RV Tires

How to select the right RV tire load and inflation table:

1. Locate your tire size (16", 17", etc.).
2. Click on that tire size in the box below.
3. Match your tire's sidewall markings to the table with the same sidewall markings (LT215/85R16 LRE XPS RIB®, for example.)

If your RV tire's sidewall markings do not match any table listed, please [contact your Michelin dealer](#) for the applicable load and inflation table. Motorhome industry load and inflation standards are in a constant state of change, and Michelin continually updates its product information to reflect these changes. Printed material may not reflect the latest load and inflation standards.

Load and Inflation Table Terminology

- SINGLE means an axle with one tire mounted on each end.
- DUAL means an axle with two tires mounted on each end.
- The loads indicated represent the total weight of an axle end in an RV application.

Axles & Tire Pressure

Michelin displays tire loads per axle end in the load and inflation tables. We recommend weighing each axle end separately and using the heaviest end weight to determine the axle's cold inflation tire pressure. For control of your RV, make sure tire pressures are the same across an axle, while NEVER exceeding the maximum air pressure limit stamped on the wheels.

16"

19.5"

22.5"

Wheel Diameter 16"

LT215/85R16 E												
XPS RIB®												
PSI	35	40	45	50	55	60	65	70	75	80	Maximum load & pressure on sidewall	
kPa	240	280	310	340	380	410	450	480	520	550		
LBS Single	1495	1640	1785	1940	2055	2180	2335	2430	2550	2680	<u>S (Single Tread)</u>	2680 LBS at 80 PSI



	Dual	2720	2980	3250	3530	3723	3970	4300	4420	4640	4940	D (Dual Tread)	2470 LBS at 80 PSI
KG	Single	678	744	809	880	932	989	1059	1102	1156	1215	S (Single Tread)	1215 KG at 550 kPa
	Dual	1234	1351	1474	1601	1689	1801	1950	2005	2104	2240	D (Dual Tread)	1120 KG at 550 kPa

LT225/75R16 E													
XPS RIB®													
PSI		40	45	50	55	60	65	70	75	80	Maximum load & pressure on sidewall		
kPa		280	310	350	380	410	450	480	520	550			
LBS	Single	1650	1790	1940	2060	2190	2335	2440	2560	2680	S (Single Tread)	2680 LBS at 80 PSI	
	Dual	3000	3260	3530	3750	3990	4300	4440	4660	4940	D (Dual Tread)	2470 LBS at 80 PSI	
KG	Single	748	812	880	934	993	1059	1107	1161	1215	S (Single Tread)	1215 KG at 550 kPa	
	Dual	1361	1478	1601	1701	1810	1950	2014	2114	2241	D (Dual Tread)	1120 KG at 550 kPa	

LT235/85R16 E													
XPS RIB®													
PSI		35	40	45	50	55	60	65	70	75	80	Maximum load & pressure on sidewall	
kPa		250	280	310	350	380	410	450	480	520	550		
LBS	Single	1740	1862	1985	2205	2315	2425	2623	2755	2910	3042	S (Single Tread)	3042 LBS at 80 PSI
	Dual	3170	3390	3610	4012	4211	4410	4762	5014	5296	5556	D (Dual Tread)	2778 LBS at 80 PSI
KG	Single	790	845	900	1000	1050	1100	1190	1250	1320	1380	S (Single Tread)	1380 KG at 550 kPa
	Dual	1440	1540	1640	1820	1910	2000	2160	2270	2400	2520	D (Dual Tread)	1260 KG at 550 kPa

LT245/75R16 E													
XPS RIB®													
PSI		35	40	45	50	55	60	65	70	75	80	Maximum load & pressure on sidewall	
kPa		250	280	310	350	380	410	450	480	520	550		
LBS	Single	1700	1865	2030	2205	2335	2480	2625	2765	2900	3042	S (Single Tread)	3042 LBS at 80 PSI
	Dual	3090	3390	3690	4012	4250	4510	4762	5030	5280	5556	D (Dual Tread)	2778 LBS at 80 PSI
KG	Single	790	845	920	1000	1060	1125	1190	1255	1315	1380	S (Single Tread)	1380 KG at 550 kPa
	Dual	1440	1537	1675	1820	1927	2045	2160	2280	2395	2520	D (Dual Tread)	1260 KG at 550 kPa