

TIRE PRESSURES

In previous articles we have talked about the importance of monitoring the condition and inflation level of the tires on your coach. Typically, we consider the vehicle certification label or the tire sidewall recommendation as the proper inflation for the tire when, in fact, those numbers represent the maximum pressure for the tire when loaded to its capacity. Depending upon the actual weight of the vehicle, it may be advantageous to lower the tire pressure to enhance ride and handling characteristics.

Following is a brief overview and a tire pressure/load chart that more clearly defines the range of inflation levels at various axle weights for the tires we are currently using. If the tires on your coach are listed, you may be able to get similar information from your tire manufacturer.

Tires have a load carrying capacity that is a function of inflation pressure. The typical tire has a minimum pressure and a maximum pressure. In between, there is an established relationship for pressure and load carrying that is unique for each tire. Tires of the same size and ply rating from two different manufacturers may have different pressure-load tables. Tires that are suitable for dual applications typically have a slightly lower rating as a dual than as a single. The intent is to protect the tire in a dual set that may temporarily carry a disproportionate load due to crowned roads, worn roads, rough roads, etc.

Generally speaking, a tire at a higher pressure will wear better and provide firmer handling. The maximum pressure rating of the tire should NOT be exceeded. A tire at a lower pressure, but within the chart for the actual load being carried, will provide a softer ride.

The following tables have been extracted from Tire Manufacturer's Data Books. They can be used as a handy reference for the required pressure to match the actual load being carried by each axle.

Remember to consult with a professional if you encounter any problems with tire pressure in your Winnebago Industries motor home.

Tire Pressure - Load Chart (Extract From Tire Data Book)

(For Reference Only -- See Tire Sidewall for Maximum Ratings -- See Wheel For Load Rating)

Loads Per Axle (lbs.) At Different Pressures

<u>Size</u>	<u>Load Range</u>	<u>Brand</u>	<u>2 Tires: Single (S) 4 Tires: Dual (D)</u>								
			<u>Inflation Pressure (PSI)</u>								
205/65R15C	C	Michelin Agilis 51	PSI	51	54						
			lbs. S	3,528	3,748						
205/65R15C	C	Goodyear Cargo Vector	PSI	45	50	55					
			lbs. S	3,190	3,470	3,750					
195/70R15C	D	Continental Contrans LS23	PSI	50	55	60	65				
			lbs. S	3,491	3,657	3,810	3,970				
215/70R15C	D	Continental Contrans LS23	PSI	50	55	60	65				
			lbs. S	3,920	4,208	4,365	4,542				
7.50R16	D	Michelin XPS Rib	PSI	45	50	55	60	65			
			lbs. S	3,860	4,120	4,380	4,620	4,880			
			D	6,760	7,260	7,720	8,160	8,560			
LT225/75R16	D/E	Firestone SteelTex R4S	PSI	45	50	55	60	65	(E) 70	(E) 75	(E) 80
			lbs. S	3,580	3,880	4,120	4,380	4,670	4,880	5,120	5,360
			D	6,520	7,060	7,500	7,980	8,600	8,880	9,320	9,880

LT225/75R16 D General Ameri 550 AS

PSI	65
lbs. S	4,670
D	8,600

LT215/85R16 E Michelin XPS Rib

PSI	45	50	55	60	65	70	75	80
lbs. S	3,570	3,880	4,100	4,360	4,670	4860	5,100	5360
D	6,500	7,060	7,460	7,940	8,600	8840	9,280	9880

LT215/85R16 E Michelin XCH4

PSI	60	65	70	75	80
lbs. S	4,360	4,670	4,860	5,100	5,360
D	7,940	8,600	8,840	9,280	9,880

LT235/85R16 E Micheline XPS Rib

PSI	60	65	70	75	80
lbs. S	4,970	2,546	5,530	5,810	6,084
D	9,040	9,524	10,060	10,580	11,112

225/70R19.5 F Michelin PXZA

PSI	55	60	65	70	75	80	85
lbs. S	4,950	5,300	5,670	6,080	6,440	6,810	7,280
D	9,520	10,240	11,020	11,680	12,340	13,000	13,660

225/70R19.5 F Michelin XRV

PSI	55	60	65	70	75	80	85	90	95
lbs. S	4,950	5,230	5,510	5,790	6,080	6,390	6,630	6,900	7,280
D	9,290	9,820	10,360	10,880	11,440	12,000	12,460	12,980	13,660

225/70R19.5 F General LMT 400 A/S

PSI	65	70	75	80	85	90	95
lbs. S	5,510	5,790	6,080	6,390	6,630	6,900	7,280
D	10,400	10,880	11,440	12,000	12,460	12,980	13,660

245/70R19.5 F/G Michelin XZE

PSI	70	75	80	85	90	(G) 95	(G) 100	(G) 105	(G) 110
lbs. S	6,500	6,910	7,320	7,730	8,160	8,436	8,824	9,217	9,610
D	12,610	13,360	14,080	14,800	15,440	16,098	16,785	17,472	18,160

245/70R19.5 F Michelin XRV

PSI	65	70	75	80	85	90	95
lbs. S	6,680	6,880	7,080	7,280	7,480	7,780	8,160
D	12,460	12,860	13,250	13,660	14,060	14,620	15,440

245/70R19.5 F Goodyear G159

PSI	70	75	80	85
lbs. S	7,280	7,480	7,780	8,160
D	13,660	14,060	14,620	15,500

235/80R22.5 G Michelin XRV

PSI	75	80	85	90	95	100
lbs. S	7,185	7,630	8,070	8,555	9,085	9,350
D	13,580	14,375	15,255	16,140	17,110	17,640

255/80R22.5 G Michelin XRV

PSI	80	85	90	95	100	105
lbs. S	8,000	8,470	8,930	9,420	9,920	10,410
D	14,780	15,640	16,540	17,420	18,300	19,240

275/80R22.5 G Michelin XZE

PSI	75	80	85	90	95	100
lbs. S	9,650	10180	10,730	11,250	11,840	12,350
D	17,400	18350	19,330	20,280	21,340	22,700

275/70R22.5 H Michelin XZA1

PSI	75	80	85	90	95	100	105	110	115
lbs. S	8,469	8,950	9420	9920	10,380	10,840	11,322	11,825	12,308
D	15,610	16,530	17450	18370	19,290	20,210	21,126	22,045	23,026