

# TOYO TIRE TALK

No.01-008 (TTT-117)

Technical Service Department Japan

Technical tips and information that may allow you to better serve your customers.



We would appreciate your input, please contact us.

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August 24th, 2001

## Subject : INFLATION PRESSURE - Part 2

### --- Correct Inflation Pressure

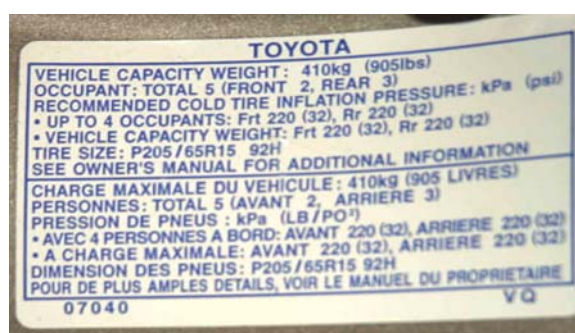
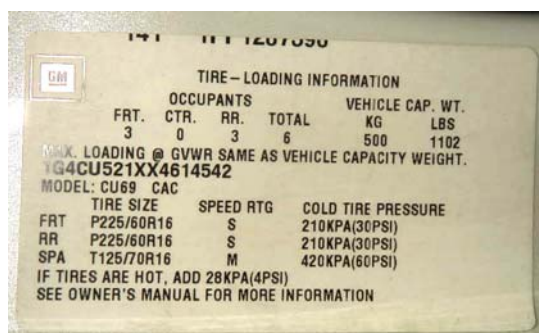
In the first of the series we strongly recommended diligent inflation pressure maintenance for preventing 'underinflation' and increasing safety. The aim of inflation pressure maintenance is to prevent tyre damage caused by underinflation.

Correct inflation also improves various tyre performance characteristics, such as even wear, increased traction, handling, lower rolling resistance, and ride comfort.

It is not always easy to find the recommended tyre inflation pressures. Some customers may be incorrectly inflating their tyres.

Therefore we strongly recommend you to advise them on correct pressures.

### Tyre Information Placard on a Vehicle.



The above photographs are examples of the '**Tyre Information Placard**' on a vehicle. There is various information regarding the original equipment (O.E.) tyres printed on the placard. Most importantly, the vehicle manufacturer's recommended cold inflation pressures are given on this placard.

The 'Tyre Information Placard' can be located in various places on the vehicle, such as the door jam, glove box or fuel cap cover.

**This is the best place to get information regarding 'Correct Inflation'.**

## Tyre Load-Pressure Table (provided by the standards - T.R.A., E.T.R.T.O. etc.)

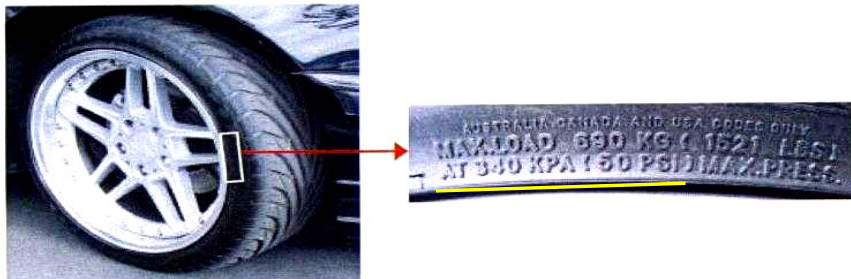
1-18

2001 - THE TIRE AND RIM ASSOCIATION, INC. - 2001

"P" TYPE TIRES USED ON PASSENGER CARS AND STATION WAGONS									
TIRE AND RIM ASSOCIATION STANDARD									
TABLE P-1									
See pages 1-03 thru 1-07 for TIRE SELECTION PROCEDURE.									
TIRE SIZE DESIGNATION	TIRE LOAD LIMITS AT VARIOUS COLD INFLATION PRESSURES								
	STANDARD LOAD					EXTRA LOAD			
	kPa	180	200	220	240	LOAD INDEX	260	280	LOAD INDEX
	psi	26	29	32	35		38	41	
60 SERIES (CONTINUED)									
P205/60*16	kg	535	565	590	615	91			
	lbs.	1179	1246	1301	1356				
P215/60*16	kg	580	610	640	670	94			
	lbs.	1279	1345	1411	1477				
P225/60*16	kg	625	660	690	730	97			
	lbs.	1378	1455	1521	1609				
P235/60*16	kg	670	710	745	775	99			
	lbs.	1477	1565	1642	1709				
P285/60*16	kg	935	985	1035	1090	111			
	lbs.	2061	2172	2282	2403				

The above table is from the U.S. 2001 T.R.A. Year Book. The table lists the designed maximum load capacity calculated for each inflation pressure for each tyre size, but not the recommended cold pressure for a particular vehicle.

### Maximum Inflation Pressure Information on Tyre Sidewall



As shown in the above photographs, tyres have the maximum load and pressure indicated on the sidewall. Many drivers misunderstand this to mean the correct or recommended inflation pressure for the tyre. This is the maximum cold inflation pressure, not necessarily the recommended cold inflation pressure for the tyre.

As we have seen, there is a large amount of information regarding tyre pressure, but some does not express the 'correct inflation pressure' for a particular vehicle. In many cases this information will only confuse the customer.

Therefore, informing the customer about the correct inflation pressure for their vehicle and application is one of the most important jobs.

In this TTT, we have explained where to find the 'Correct Inflation Pressure' for the original equipment (O.E.) tyre on a vehicle.

We will introduce 'Correct Inflation Pressure' for plus-sizing in the near future.