

Recommended Tyre Pressures

August 2018




RVMAP™

Background:

Manufacturers are required to record recommended tyre pressures on the Vehicle (VIN) Plate or an alternate tyre placard that is permanently mounted to the vehicle (including trailers). Vehicle Safety Standards (VSS) have confirmed that *the intent is for the manufacturer to recommend tyre pressures to enable a trailer to operate safely under normal load conditions. This may include values for the TARE and ATM/GTM of the trailer. The actual inflation pressures required will vary depending on the loading of the trailer, speed, road conditions etc.*

MANUFACTURER:	████████████████████	DATE OF MANUFACTURE:	██ / ██ / ██				
VIN:	████████████████████	VEHICLE MODEL:	████████████████████				
BALL LOADING AT TARE:	██ kg	RIM SIZE & PROFILE:	████████████████████				
TARE:	██ kg	GTM:	██ kg	ATM:	██ kg	LOAD CARRYING CAPACITY:	██ kg
AXLE GROUP LOAD CAPACITY:	██ kg	TM	██	TYRE SIZE:	██████████	TYRE LOAD RATING:	██ kg
TYRE PRESSURE (COLD):		██ kPa	TYRE PRESSURE (COLD) MAX LOADING:		██ kPa	SPEED RATING: ███	

 THIS TRAILER WAS MANUFACTURED TO COMPLY WITH THE MOTOR VEHICLE STANDARDS ACT 1989. THE TYRES FITTED TO THIS VEHICLE SHALL HAVE A SPEED CATEGORY NOT LESS THAN "L" (120 km/h).

Recommendations:

It is recommended that Vehicle Plates include a recommended operating pressure for low and high-load conditions (e.g. Tare weight and maximum loading (ATM)). Such guidelines will enable consumers access to the information necessary to maintain safe tyre pressures over the range of loading conditions they may expect to experience during the vehicle's lifetime.

Ensure that the maximum recommended pressure specified on the Vehicle Plate or separate tyre placard does not exceed the maximum operating pressure of the tyre itself (generally found on the side wall of the tyre).

It is noted that the tyre pressures recommended by the manufacturer are to be used as a guide only. Consumers using their trailer in unique circumstances, such as off-road driving conditions, will be expected to separately investigate and understand any additional requirements for that specific usage of the vehicle.

Caravan Industry Association of Australia will be revising the wording on the RVMAP Vehicle Plates to ensure recommended tyre pressure information is displayed in a clearer format moving forward. It is important to note however that the current versions of the RVMAP and Generic Vehicle Plates (as pictured above) have been approved by Vehicle Safety Standards (VSS).

In terms of calculating or allocating recommended operating pressures, manufacturers in the first instance are encouraged to contact their relevant tyre suppliers for guidance. Caravan Industry Association of Australia are in the process of collaborating with the Tyre & Rim Association of Australia to provide further technical resources and expertise to RVMAP Businesses in these areas - more information will be provided to accredited businesses on this collaboration in the coming months.

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The Effects of Incorrect Inflation Pressures:

Specifying the correct inflation pressures for the Tyres fitted to a Towable Recreational Vehicles is key. Towing a Recreational Vehicle with tyres over or under inflated may effect the overall safety and handling of the trailer, result in poor fuel economy and may also increase the rate of tyre wear and degradation. As shown below, over inflated tyres will often show increased tread wear through the centre of the tyre. Under inflated tyres on the other hand will usually wear quicker on the edges of the tyre.

Centre Wear
Over inflation



Thin tread along the centre of the tyre

Edge Wear
Under inflation



Thin tread along tyre edges

Working collaboratively with State Associations on matters which affect the Caravan and Camping Industry



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