

## Definition of Terms

<b>Curb Weight</b>	<p><b>= Vehicle built with standard equipment + all fluids (fuel, oil, coolant)</b></p> <ul style="list-style-type: none"> <li>This is the weight of an empty vehicle built without options (except if equipped with optional engine and air conditioning), without cargo, without driver and passengers, but it does include the maximum capacity of fluids such as a full fuel tank, oils, coolant, etc.</li> <li>Spare tire and changing tools are standard equipment and included in the curb weight.</li> </ul>
<b>Payload</b>	<p><b>= Optional Equipment + Passengers + Cargo + Tongue Weight if Towing.</b></p> <ul style="list-style-type: none"> <li>This is the amount of weight the base vehicle can carry up to the gross vehicle weight rating (GVWR).</li> <li>The average weight of the passengers is 150 lbs. each and the number of passengers is determined by the designated seating positions. The number of passengers is also specified on the tire pressure label located on the driver's door jamb.</li> </ul>
<b>Gross Vehicle Weight Rating (GVWR)</b>	<p><b>= Maximum allowable vehicle weight of a fully loaded vehicle as specified by the manufacturer</b></p> <ul style="list-style-type: none"> <li>GVWR values include specified number of passengers + cargo.</li> <li>GVW must not exceed the GVWR set by Toyota.</li> </ul>
<b>Maximum Payload Capacity</b>	<p><b>= Gross Vehicle Weight Rating (GVWR) – Curb Weight</b></p> <ul style="list-style-type: none"> <li>Weight of commodity being hauled.</li> </ul>
<b>Gross Vehicle Weight (GVW)</b>	<p><b>= Curb Weight + Payload + Tongue Weight</b></p> <ul style="list-style-type: none"> <li>GVW is the total weight of the vehicle.</li> <li>When towing a trailer, it is the sum of the vehicle weight (including occupants, cargo, any optional equipment installed on the vehicle) and the tongue weight ( or the king pin weight.) of the trailer.</li> <li>GVW must not exceed the GVWR set by Toyota.</li> </ul>
<b>Towing Capacity</b>	<p><b>= Maximum Weight the vehicle can tow as specified by the manufacturer</b></p> <ul style="list-style-type: none"> <li>Maximum allowable Gross Trailer Weight.</li> <li>Towing capacity is calculated with consideration of base vehicle with necessary equipment and a 150 lb. Driver.</li> <li>Additional optional equipment, passengers, and cargo in the vehicle will reduce the towing capacity.</li> <li>Exceeding this weight could exceed the vehicle's handling and stopping capability or damage the drivetrain.</li> </ul>
<b>Tongue Weight</b>	<p><b>= Weight pressing down on the hitch ball by the trailer</b></p> <ul style="list-style-type: none"> <li>Must be with 10% - 15% of trailer weight.</li> <li>Also referred to as Tongue Load.</li> <li>King pin weight = load placed on 5<sup>th</sup> wheel trailer hitch mount.</li> </ul>
<b>Gross Axle Weight Rating (GAWR)</b>	<p><b>= Maximum load-carrying capacity specified by the manufacturer of a single axle system as measured at the tire-ground interface.</b></p> <ul style="list-style-type: none"> <li>Front and rear axle GAWR values are separate.</li> <li>Never exceed the GAWR specified for each axle.</li> <li>The gross axle weight is the load placed on each axle (front and rear.)</li> <li>The GAWR values appear on the vehicle certification label located on the driver's door latch pillar</li> </ul>
<b>Gross Combination Weight Rating (GCWR)</b>	<p><b>= the value specified by the manufacturer as the loaded weight of a combination vehicle (Maximum allowable loaded weight of a towing vehicle + trailer)</b></p> <ul style="list-style-type: none"> <li>The sum of the loaded vehicle weights of the truck and the trailer should not exceed the GCWR.</li> <li>Also referred to as Gross Combination Weight Rating.</li> <li>This term appears in the 2007 Tundra Owner's Manual.</li> </ul>
<b>Gross Combination Weight (GCW)</b>	<p><b>= Actual weight of Fully Loaded Towing Vehicle + actual gross trailer weight</b></p> <ul style="list-style-type: none"> <li>Fully Loaded Towing Vehicle = Curb Weight + Cargo + Options + Passengers.</li> <li>GCW must not exceed GCWR.</li> <li>This term appears in the 2007 Tundra Owner's Manual.</li> </ul>

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<b>Gross Trailer Weight</b>	<b>= Trailer weight + weight of cargo in the trailer</b> <ul style="list-style-type: none"> <li>• Includes the trailer, cargo in the trailer, and necessary equipment for towing.</li> <li>• This term appears in the 2007 Tundra Owner's Manual.</li> </ul>
<b>Cargo Weight Rating (CWR)</b>	<b>= Maximum weight of cargo that can be installed on the bed</b> <ul style="list-style-type: none"> <li>• Cargo, equipment, etc. placed in the bed.</li> <li>• = GVWR – curb weight – installed optional equipment weight - weight of passengers</li> <li>• Never exceed rear GAWR.</li> <li>• This term appears in the 2007 Tundra Owner's Manual.</li> </ul>
<b>Total Cargo Load</b>	<b>= Camper weight + additional installed camper equipment + cargo in the camper.</b> <ul style="list-style-type: none"> <li>• Total cargo load should not exceed the cargo weight rating.</li> <li>• The camper's center of gravity should fall within the truck's recommended center of gravity zone when installed.</li> <li>• This term appears in the 2007 Tundra Owner's Manual.</li> </ul>
<b>Vehicle Capacity Weight</b>	<b>= Maximum allowable cargo + luggage + weight of all passengers</b> <ul style="list-style-type: none"> <li>• Account for 150 lbs. for each passenger.</li> <li>• This term appears in the 2007 Tundra Owner's Manual.</li> </ul>
<b>Total Load Capacity</b>	<b>= Cargo + Optional Equipment + Passengers + Tongue Weight if Towing</b> <ul style="list-style-type: none"> <li>• Same as <b>Payload</b> .</li> <li>• This term appears in the 2007 Tundra Owner's Manual.</li> </ul>