

Your Tow Weight

0419 380 230

Date - 01-October-2023

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www.yourtowweight.com.au

PO Box 211, Mornington, 3931



Customer - Andy Parker

Address -

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Email - info@yourtowweight.com.au

Weighing Address -

Tow Vehicle

Make - Mitsubishi

Model - Triton

Rego - TOWW8T

Year - 2019

Caravan

Make - Trax

Model - On the move

Rego -

Year - 2019

Contents

Description of Weigh Car and caravan as presented.

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3	VEHICLE AND CARAVAN HITCHED - Comparison of vehicle compliance data to actual data, if fields are red this indicates a weight that does not meet the compliance
4	VEHICLE (Stand alone) - Comparison of allowed data to actual data, if fields are red this indicates a weight that does not meet the compliance
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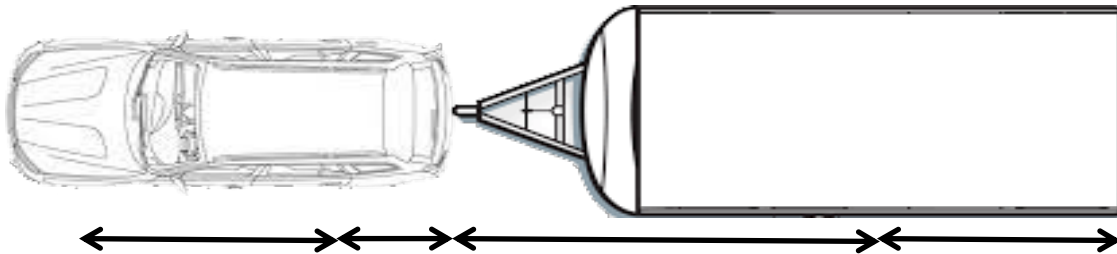
Address - _____

Ph - 0419 380 230Email - info@yourtowweight.com.au**Tow Vehicle**Make - MitsubishiModel - TritonRego - TOWW8TYear - 2019**Caravan**Make - TraxModel - On the move

Rego - _____

Year - 2019**DATA ENTRY - input of all the variables**

	Pad 1 Right Front	Pad 3 Right Rear	Tow Ball Travel Height		Pad 1 Right Front	Pad 3 Right Rear
Hitched	618 kg	635 kg	475/560 mm		673 kg	657 kg
Un-Hitched	667 kg	486 kg			738 kg	602 kg



Axle distances	3010	1490	5100	3230	
	Pad 2	Pad 4		Pad 2	Pad 4
	Left Front	Left Rear	Tow Ball	Left Front	Left Rear
Hitched	613 kg	633 kg	204 Calculated	657	678 kg
Un-Hitched	670 kg	472 kg	175 Measured	736	611 kg

Tow Vehicle	Gross Vehicle (GVM)	Braked Tow Capacity (BTC)	Gross Combined Mass (GCM)	Tow Ball Mass (TBM)	Gross Front Axle Weight	Gross Rear Axle Weight
	2900	3100	5885	310	1360	1840

Caravan	Tare Mass (Tare) Empty Weight	Aggregate Trailer Mass (ATM) Includes Ball Weight	Tow Ball Weight - cars if not specified	Axle Group Load Capacity
	2411	2900	290	2900

Note:
Variable loads are applied equally from left to right and proportionally front to rear (load distribution is approximate).

Variable Loads Tow Vehicle

Description	Weight	Front Axle	Rear Axle
People front seat - wife	90	51	39
People rear seat			0
Fuel			0
Other			0
Tow ball			0
Totals	90	51	39

Variable Loads Caravan

Description	Weight	Tow ball	Axles
Water			0
Gray Tank			0
Gas			0
Food			0
Other			0
Totals	0	0	0

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Tow Vehicle

Make - Mitsubishi

Model - Triton

Rego - TOWW8T

Year - 2019

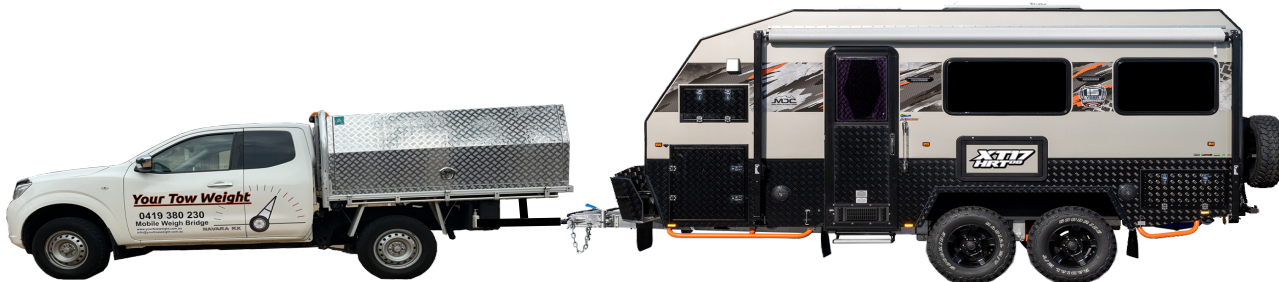
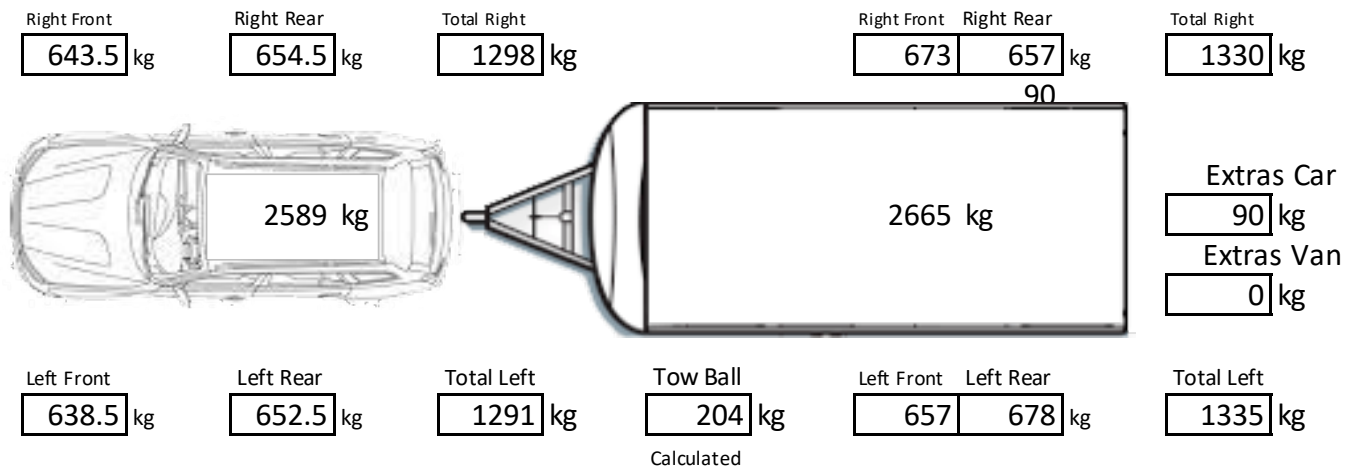
Caravan

Make - Trax

Model - On the move

Rego -

Year - 2019

VEHICLE AND CARAVAN HITCHED - summary of data

Front	Rear	Total	Tow Ball	Front	Rear	Total
1282 kg	1307 kg	2589 kg	204 kg	1330 kg	1335 kg	2665 kg
Calculated						

Tow Vehicle

	Gross Vehicle Mass in Combination (GVM-C)	Braked Tow Capacity (BTC)	Gross Combined Mass (GCM)	Tow Ball Mass (TBM)	Gross Front Axle Weight	Gross Rear Axle Weight
Compliance plate	2900	3100	5885	310	1360	1840
Actual Weight	2589	2862	5247	175	1282	1307
Difference	311	238	638	135	78	533

NOTES: This is a great result for the car with the van connected.

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Tow Vehicle

Make - Mitsubishi

Model - Triton

Rego - TOWW8T

Year - 2019

VEHICLE (Stand alone) - Comparison of allowed data to actual data

Right Front

692.5 kg

Right Rear

505.5 kg

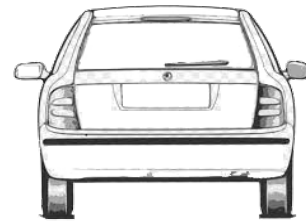
Total Right

1198 kg



Car Total

2385 kg



1187 kg

1198 kg

Average Weight

1193 kg

Left Front

695.5 kg

Left Rear

491.5 kg

Total Left

1187 kg

99.5%

100.5%

Weight Variation

-0.9%



Totals

1388 kg

997 kg

Total

2385 kg

VEHICLE

Gross Front Axle

Gross Rear Axle

Gross Vehicle Mass (GVM)

Weight

Weight

Compliance plate

2900

1360

1840

Actual Weight

2385

1388

997

Difference

515

-28

843

NOTES :

With the van disconnected the car is over its front axle capacity by 28kg. The easiest solution to this would be addition weight in the back.

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Caravan

Make - Trax

Model - On the move

Rego - _____

Year - 2019

Caravan (Stand alone) - Comparison of allowed data to actual data



1347 kg

1340 kg

Average Weight 1344 kg

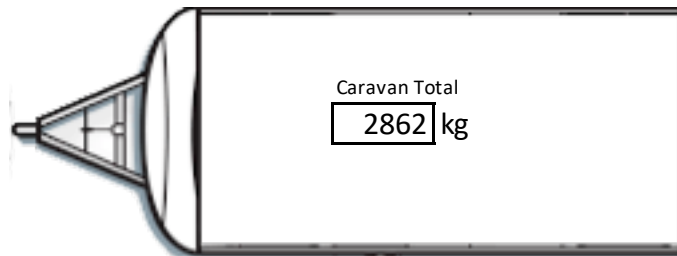
100.3%

99.7%

Weight Variation 1%

Right Front	Right Rear
738	602 kg

Total Right
1340 kg



Caravan Total
2862 kg

Tow Ball
175 kg
Measured

Left Front	Left Rear
736	611 kg

Total Left
1347 kg



Front Axel	Rear Axel
1474	1213 kg

Total Axles
2687 kg

Caravan

Load / Carrying Capacity

Aggregate Trailer Mass (ATM)

Tow ball mass as a % of ATM

Tow Ball Weight

Axle Group Load Capacity

ATM	2900	Compliance plate	2900		290	2900
Tare Mass	2411	Actual Weight	2862		175	2687
Capacity	489	Difference	38	6.1%	115	213

NOTES : The van has come in under its ATM by 38 kg so not a lot more stuff can be added to the van. The tow ball weight is a bit on the light side which may result in the van feeling unsteady.

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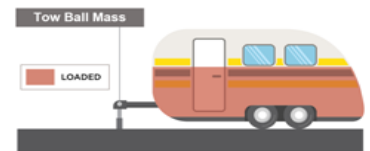
Weight Definitions

Tare Mass - Is the total mass of the caravan with no load, unoccupied, and with all standard equipment and standard equipment and any options fitted. Tare mass is measured with all fluid reservoirs, if fitted and required for transport, filled to nominal capacity for service, however, non-transport fluid reservoirs such as water tanks and wastewater tanks fitted to caravans are measured empty. After-market optional add-ons (TV, mattresses, extra gas bottles, awnings etc) are not included in the tare mass and are considered as a load, so must be included in your ATM measurement. The tare mass weight of your caravan can be found on the vehicle plate or in the manufacturer's handbook.



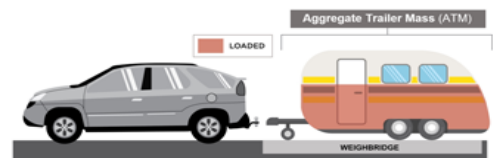
Caravan Weight As Delivered

Tow ball mass (or tow ball load) - Is the maximum mass allowed to be put on the tow ball of the towing vehicle. You can find the tow ball mass capacity in your coupling manufacturer's handbook. To measure the tow ball mass you can use a ball weight scale. You must not exceed the tow ball mass capacity.



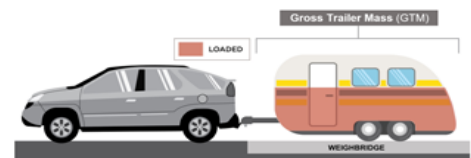
Tow Ball Weight

Aggregate Trailer Mass (ATM) - Is the total mass of the trailer when carrying the maximum load recommended by the manufacturer. The ATM is generally measured with the caravan unhitched from your towing vehicle and resting on its jockey wheel. The maximum ATM of your caravan can be found on the vehicle plate or in the manufacturer's handbook and must not be exceeded. To measure your ATM, weigh your loaded caravan resting on its jockey wheel, including full water tank, gas tanks and everything you would pack to go travelling. Ensure that your measured mass does not exceed your specified ATM capacity.



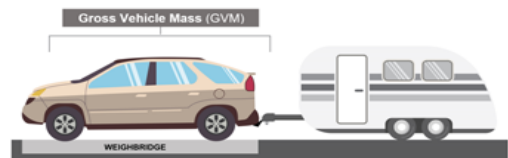
Tow Ball and Caravan Axle Weight

Gross Trailer Mass (GTM) - Is the maximum mass recommended by the manufacturer of your fully loaded caravan when it is hitched to your tow vehicle. The GTM of the caravan is transmitted to the ground by only the caravan tyres and excludes the mass distributed to the towing vehicle through the coupling. The GTM of your caravan can be found on the vehicle plate or in the manufacturer's handbook and must not be exceeded. To measure your GTM, weigh your loaded caravan when it is attached to your towing vehicle, and make sure your measured mass does not exceed your specified GTM capacity.



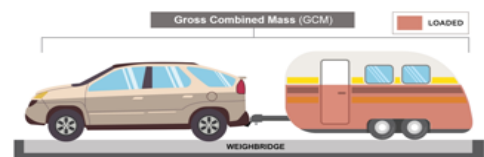
Caravan Axle Weight

Gross Vehicle Mass (GVM) - Is the maximum total mass of a fully loaded motor vehicle as specified by the vehicle manufacturer. For some passenger vehicles, it might be known as the **Maximum Loaded Vehicle Mass (MLVM)**. To measure your loaded vehicle mass, weigh your fully packed towing vehicle, including passengers, with the caravan hitched and ensure it is less than your vehicle's maximum GVM or MLVM.



Tow Ball and Car Axle Weight

Gross Combination Mass (GCM) - Is the maximum mass set by your tow vehicle's manufacturer and refers to the maximum combined mass of your loaded tow vehicle and your loaded caravan hitched together. Not all vehicles are provided with a GCM, but if it is, your vehicle manufacturer's guide will provide you with the GCM of your tow vehicle. To measure the GCM, weigh your fully loaded towing vehicle hitched to your fully loaded caravan. Legally, you must not exceed the specified GCM capacity of your vehicle (if a GCM is specified).



Car and Caravan Total Weight

Your Tow Weight

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Date - 21-September-2023

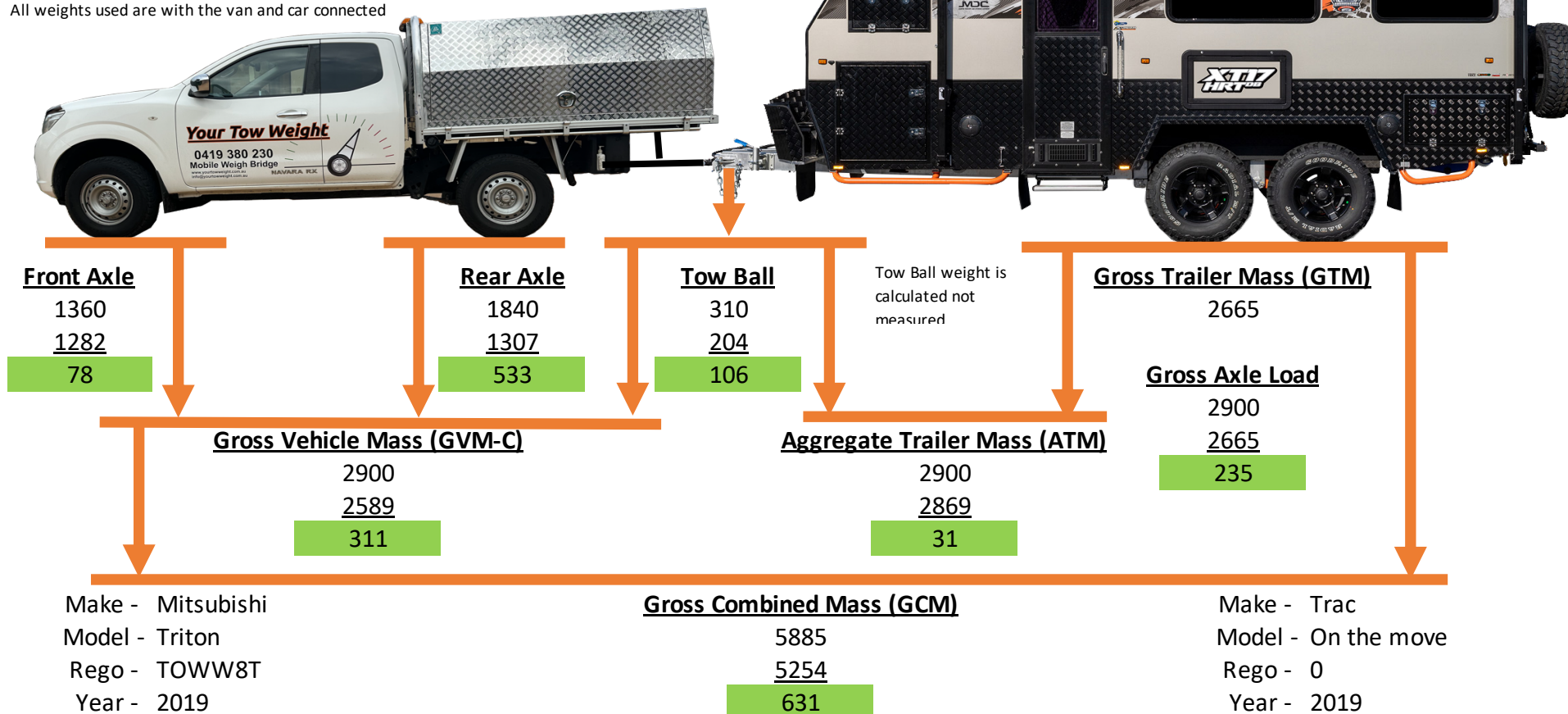
Customer - Andy Parker

Address -

Dromana

Note: This visual representation is to be used as a guide only.
Weights will vary slightly with the van connected and
disconnected. Please refer to the actual report for final weights.

All weights used are with the van and car connected



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Weigh Dockets

Car and caravan as presented.

Car - Hitched (with caravan)

Caravan - Hitched (with car)

Your Tow Weight
0419 380 230
ABN 50 501 584 552

WEIGHING REPORT

21-09-2023 12:57

Serial No.:00442
ID1:GRANT LLOYD
ID2:car with van

Wheel1:	618kg
Wheel2:	613kg
Axle1:	1231kg

Wheel3:	635kg
Wheel4:	633kg
Axle2:	1268kg

Towball:	0kg
Wheel6:	0kg
Axle3:	0kg

Total weight: 2499kg

Operator(sign): _____

Pad/Wheel 1 - **618**
Pad/Wheel 2 - **613**
Front - 1231
Pad/Wheel 3 - **635**
Pad/Wheel 4 - **633**
Rear - 1268

Your Tow Weight
0419 380 230
ABN 50 501 584 552

WEIGHING REPORT

21-09-2023 13:10

Serial No.:00444
ID1:GRANT LLOYD
ID2:caravan with car

Wheel1:	673kg
Wheel2:	657kg
Axle1:	1330kg

Wheel3:	657kg
Wheel4:	678kg
Axle2:	1335kg

Towball:	0kg
Wheel6:	0kg
Axle3:	0kg

Total weight: 2665kg

Operator(sign): _____

Pad/Wheel 1 - **673**
Pad/Wheel 2 - **657**
Front - 1330
Pad/Wheel 3 - **657**
Pad/Wheel 4 - **678**
Rear - 1335

Car - (no Caravan)

Caravan - (no car)

Your Tow Weight
0419 380 230
ABN 50 501 584 552

WEIGHING REPORT

21-09-2023 13:02

Serial No.:00443
ID1:GRANT LLOYD
ID2:car

Wheel1:	667kg
Wheel2:	670kg
Axle1:	1336kg

Wheel3:	486kg
Wheel4:	472kg
Axle2:	960kg

Towball:	0kg
Wheel6:	0kg
Axle3:	0kg

Total weight: 2295kg

Operator(sign): _____

Pad/Wheel 1 - **667**
Pad/Wheel 2 - **670**
Front - 1337
Pad/Wheel 3 - **486**
Pad/Wheel 4 - **472**
Rear - 958

Your Tow Weight
0419 380 230
ABN 50 501 584 552

WEIGHING REPORT

21-09-2023 13:14

Serial No.:00445
ID1:GRANT LLOYD
ID2:caravan with car

Wheel1:	738kg
Wheel2:	736kg
Axle1:	1474kg

Wheel3:	602kg
Wheel4:	611kg
Axle2:	1213kg

Towball:	175kg
Wheel6:	0kg
Axle3:	175kg

Total weight: 2862kg

Operator(sign): _____

Pad/Wheel 1 - **738**
Pad/Wheel 2 - **736**
Front - 1474
Pad/Wheel 3 - **602**
Pad/Wheel 4 - **611**
Rear - 1213

Towball - **175**