FIFTH WHEEL HITCH COMPONENTS: VEHICLE, FIFTH WHEEL HITCH, TRAILER AND CARGO COMPATIBILITY CALCULATION SPREADSHEET

NOTE: Results determined by this spreadsheet are valid only for the specific weights provided; results will varying depending on values provided.

Vehicle, Trailer, Configuration Description:	MASTER		
TOW VEHICLE AND TRAILER RATINGS AND CONSTANTS (From Owner's Manual, Data Plates, Manufacturer)			
TOW VEHICLE		TRAILER	
Gross Combined Weight Rating (GCWR):	39,100 Lbs	Trailer Gross Vehicle Weight Rating (GVWR):	16,945 Lbs
Gross Vehicle Weight Rating (GVWR):	14,000 Lbs	Calculated Tongue Weight (10% of Trailer GVWR):	1,695 Lbs
Vehicle's Maximum Payload Rating:	6,030 Lbs	Trailer's Empty Curb Weight:	13,470 Lbs
Vehicle's Empty Curb Weight:	7,970 Lbs	Trailer Maximum Payload Rating (Capacity):	3,475 Lbs
Vehicle's Tow Rating:	30,190 Lbs	Rear Tire Rating (Note: Tires must be matched!) (Note 1):	4,080 Lbs
Rear Axle Weight Rating (RAWR):	9,350 Lbs	Number of Tires (Note 1):	4 Each
Rear Tire Rating (Note: Tires must be matched!) (Note 1):	10,740 Lbs	TRAILER VARIABLES	
Number of Rear Tires (Note 1):	4 Each	Actual Payload:	
Fifth Wheel Hitch (Pull) Rating:	25,000 Lbs	Measured / Weighted Actual Tongue Weight w/ Normal Load (Optional):	
VEHICLE VARIABLES		INSTRUCTIONS:	
Occupants (200 lb each):	324 Lbs	- Enter Vehicle and Trailer Ratings in Green Shaded Boxes Enter Actual or Estimated Weights in Orange colored boxes.	
Cargo and Add-on Vehicle Equipment:	500 Lbs	- Results of Calculations / Determinations are provided in the pink colored boxes	
		- For Ratings, Consult the Operator/Owner Manuals for the appropriate Equipment. Also refer to Manufacturer, data plate, and stamped	data. Alternative
Note 1: When tires are configured for Dual Mounting, use the Dual Weight Rating.		data source for a vehicle VIN is "www.decodethis.com" - Red triangle in upper right of data boxes expands to comments / definitions	
		CALCULATIONS	
Vehicle's Actual Total Payload:		824 Lbs	
Vehicle's Available Payload		5,206 Lbs	
Vehicle's Gross Vehicle Weight (GVW) (with Payload):		8,794 Lbs	
Trailer Available Payload		3,475 Lbs	
Trailer Gross Vehicle Weight (GVW) (with Payload):		13,470 Lbs	
Vehicle's Maximum Allowable Weight Which It can Tow:		25,000 Lbs	
Vehicle's Available Towing Capability Remaining:		11,530 Lbs	
Unit (Vehicle & Trailer) Actual Gross Combined Weight (GCW):		22,264 Lbs	
Vehicle Available Gross Weight Remaining		16,836 Lbs	
DETERN	IINATION IF UNIT	T (VEHICLE AND TRAILER) CAN BE SAFETY OPERATED	
Can Vehicle' Rear Axle support the Vehicle Cargo and Trailer Tongue Weigh	t?	YES!	
Can Vehicle' Rear Tires support the Vehicle Cargo and Trailer Tongue Weigh	ıt?	YES!	
Can Trailer's Tires Support the Trailer GVW?		YES!	
Can Vehicle safely Tow the Trailer's GVW?		YES!	
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