Dimension Name **Product**

Hierarchy Name **MMYCCP**

SCD Type **Type 2**

#	Level Name	Estimated Level Cardinality (Estimated # of members per level)	DATT Name	MBR KEY MBR NAME or PROP	Estimated DATT Cardinality (Estimated # of unique values for each DATT)	ASSUMPTIONS	Example DATT Value	Matt Notes
1	Make	(1+1)=2	PROD_Make_KEY	K	2	Assume RRV has had 2 Makes in its history	100000	
			PROD_Make	N	2		Packrat	
2	Model	(1*6)+(1*4)=10	PROD_Model_KEY	K	10	Assume Packrat has 6 models, Behemoth has 4	2000	
			PROD_Model	N	10	Models are not shared across Makes	Hydrogen	
3	Model Year	(1*6*54)+(1*4*54)=540	PROD_Model_Year_KEY	K	540	assume 1964 through 2017	300000	
			PROD_Model_Year	N	54	assume every Model has a Model Year, every year	1997	
4	Class	(1*6*54*3)+(1*4*54*3)=1,620	PROD_Class_KEY	K	1,620	assume each Packrat & Behemoth model have 3 classes	400000	
			PROD_Class	N	6	Classes are not shared across Makes A Model may have different Classes between Model Years	Basic	
5	Color	(1*6*54*3*6)+(1*4*54*3*6)=9,720	PROD_Color_KEY	K	9,720	assume ~6 colors per Class	500000	
			PROD_Color	N	6	(reality will be more specific)	Red	
6	Package	(1*6*54*3*6+1*4*54*3*6)+(6*54)=10,044	PROD_Package_KEY	K	10,044	Assume 6 optional features available within specific Classes, they are binary, & they apply across all 54 years	600000	
			PROD_Package_Name	N	10,044		1997 Basic Red Sport	
			PROD_Sleeping_Berths	P	7	highest capacity mentioned in notes is 7	4	
			PROD_Storage_Capacity	P	10	assume Model driven field?	Lg Storage Capacity	If Model driven, should be part of Model?
			PROD_Travel_Range	P	30	assume Class driven field?	1,200 (Miles)	If Class driven, should be part of Class?
			PROD_Weight	P	10,044	could be wildly variable	2 tons	
			PROD_Mileage	P	10,044	could be wildly variable	15 MPG	
			PROD_Gas_Tank_Size	P	2	Assume Normal & Lg	Lg Gas Tank	
			PROD_Onboard_Water	P	5	Assume No, Small, Med, Lg, Huge	Med Onboard Water	
			PROD_Water_Capacity	P	2	Assume that Water Capacity is different than Onboard Water	Lg Water Capacity	
			PROD_Kitchen	P	3	Assume No, Sm, Full	Sm Kitchen	
			PROD_Bathroom	P	3	Assume No, Half, Full	Half Bathroom	
			PROD_Furnace	P	4	Assume No, Sm, Med, Lg	Sm Furnace	
			PROD_Common_Duct	P	4	Assume that Common Duct is Separate from AC/Furnace	Common Duct AC	
			PROD_Heat_Pump	P	2	Assume that Heat Pump is Separate from Furnace	Heat Pump	
			PROD_Air_Conditioning	P	4	Assume No, Sm, Lg, Gr	Sm Air Conditioning	
			PROD_Sleep_Compartments	P	4	Assume No, 1, 2, 3	2 Slide Out Sleep	
			PROD_Tow_Travel_Trailer	P	2	Assume No & Yes	No Tow Trailer	
			PROD_House_Batteries	P	2		No House Batteries	
			PROD_Electrical_System	P	2		No Green Electrical	
			PROD_Solar_Panels	P	4	Assume these 5 Electrical features are Independent	2 Solar Panels	
			PROD_Electrical_Hookup	P	3		60 Amp Hookup	
			PROD_Onboard_Generator	P	3		Sm Onboard Generator	
			PROD_Seats	P	3	Class driven field?	Vinyl Seats	If Class driven, should be part of Class?
			PROD_Beds	P	3	Class driven field?	Foam Beds	If Class driven, should be part of Class?
			PROD_Carpet	P	2	Class driven field?	Carpet Incl	If Class driven, should be part of Class?
			PROD_Wall_Wallpaper	P	2	Class driven field?	Wallpaper Incl	If Class driven, should be part of Class?
			PROD_Wall_Insulation	P	2	Class driven field?	Insulation Incl	If Class driven, should be part of Class?
			PROD_Living_Room	P	3	Assume No, Sm, Lg	Sm Living Room Area	
			PROD_Dining_Room	P	2	Assume No, Yes	Dining Room Incl	
			PROD_Chassis	P	2	Assume Light, Normal	Light Chassis	
			PROD_Television	P	2	Assume No, Yes	TV Incl	
			PROD_Stereo_System	P	2	Assume No, Yes	No Stereo System	
			PROD_Package_MSRP	P	10,044	could be wildly variable	$105,000	